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EFFORT AND CATCH ESTIMATES FOR NORTHERN AND CENTRAL CALIFORNIA
MARINE RECREATIONAL FISHERIES, 1981-1986

by

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ABSTRACT

Nearly 200 species of finfish are taken by the marine recreational fishery along the northern and central California coast. This data report provides estimates of total effort, total catch, and fishery demographics for the years 1981 through 1986 for that fishery. Catch estimate data are presented by number and weight of species, by disposition of the fish caught (e.g. kept or thrown back), by type of access and fishing gear used, and by geographic zone.

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INTRODUCTION

California's northern and central Pacific coast provides a wide variety of marine recreational fishing opportunities. The reach of coastline considered in this report, from the Oregon border to the San Luis Obispo-Santa Barbara county line, is over 500 miles long and has a variety of habitats including nearshore kelp forests, rocky reefs, sand and mud flats, estuaries, bays and small coves, and also offshore expanses of open ocean. The extent and diversity of habitats support nearly 200 species of fish taken in the marine recreational fishery. Recreational fishing occurs from a variety of modes including urban municipal piers, beaches, rocky headlands, and various sizes of boats. Among the statistics desired by the California Department of Fish and Game (CDFG) for managing that large and complex fishery are:

- * numbers of people fishing,
- * locations fished,
- * types of access and fishing gear used,
- * effort (time) spent fishing,
- * number of fish of each species caught, and
- * length and weight distribution of each species caught.

Normally, such data have not been gathered in a systematic statewide manner due to the expense, effort, and logistical difficulties involved. Prior to 1979 the most comprehensive marine recreational fishery survey for northern and central California was conducted by CDFG from 1957 to 1961 (Figure 1) (Miller and Gotshall 1965).

From 1979 through 1989 the Marine Recreational Fishery Statistics Survey (MRFSS) was conducted on the Pacific coast. In California, the MRFSS was a cooperative effort among the National Marine Fisheries Service (NMFS), the Pacific States Marine Fisheries Commission (PSMFC) and CDFG to obtain annual estimates of recreational effort and catch of marine finfish. During 1987 through 1989 MRFSS sampling was implemented at a lower level that greatly decreased the reliability of the estimates. The MRFSS was suspended in California after 1989.

NMFS has published MRFSS data reports for the Pacific coast region for the years 1979 through 1986 (U.S. Department of Commerce 1984a, 1984b, 1985, 1986, 1987). In the NMFS reports, California effort and catch estimates were computed and reported by a northern California subregion and a southern California subregion; the division occurred at the Monterey-San Luis Obispo county line (Figure 1).

The northern California-southern California subregional approach of the NMFS data reports summarized fishing effort and catch statistics over a large area, which can be useful in assessing migratory fish species whose populations may range widely within the subregion, or in showing subregional trends in fishing participation. In northern and central California,

Coastal County Districts

Ocean Sportfish Catch and Effort Study,
1957-61 (Miller and Gotshall 1965)

Marine Recreational Fisheries Statistics
Survey Reports (U.S. Department of
Commerce 1984a-b, 1985, 1986, 1987)

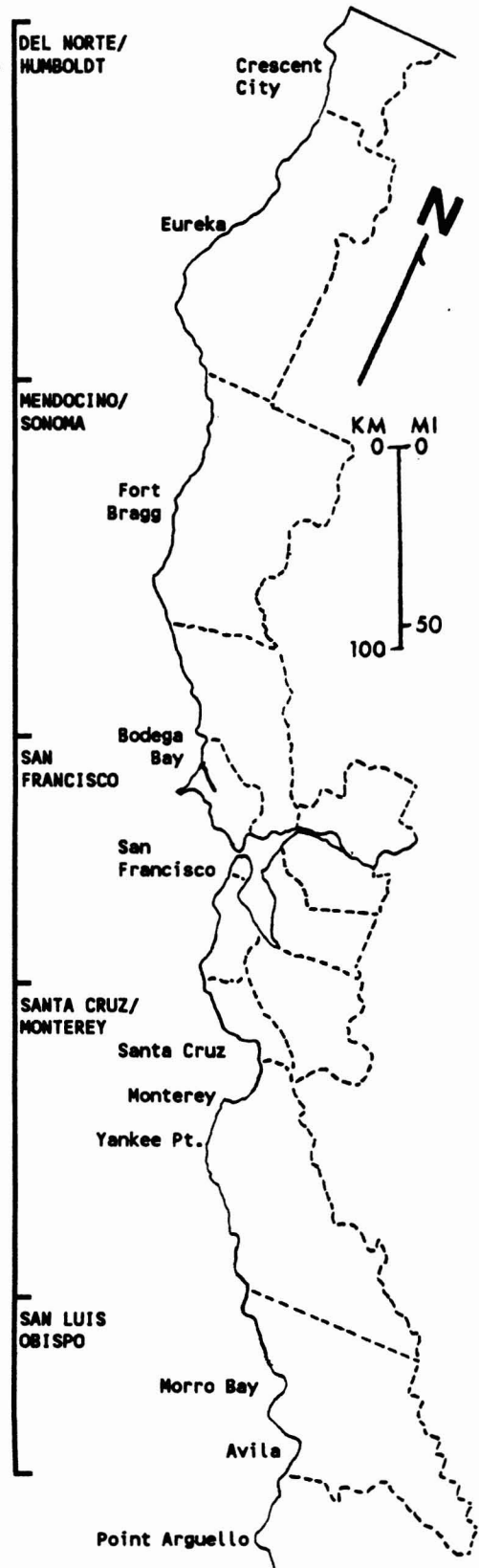


FIGURE 1. Coastal County Districts and locations of other northern and central California marine fishery studies.

however, it is also desirable to provide effort and catch statistics for geographic zones smaller than the NMFS subregions. The catch in northern and central California is dominated by nonmigratory species, such as rockfishes (Sebastes spp.) and lingcod (Ophiodon elongatus), whose adult individuals may never move more than a few kilometers from a home site (Mathews and LaRiviere 1987; Miller and Geibel 1973). Local population changes due to local differences in recruitment, harvest, pollution or environmental conditions are not shown in the NMFS subregional estimates.

CDFG has published MRFSS data reports that summarize species composition, length-frequency and catch-per-unit-effort by geographic areas smaller than the NMFS subregions (Karpov 1986, 1987a-j, 1988a-e; Karpov and Kwiecien 1987a-b, 1988a-h; Karpov et al. 1987a-c, 1988). However those reports do not expand the data into total effort and catch estimates.

This MRFSS report provides total effort and catch estimates computed from MRFSS data, but partitioned into geographic zones smaller than the NMFS subregions. The study area extends from the Oregon border to the San Luis Obispo-Santa Barbara county line (Figure 1). San Luis Obispo County is included because, due to oceanographic conditions, its marine fish fauna has more species in common with the NMFS northern California subregion than the NMFS southern California subregion.

The MRFSS did not consider fishing for salmon from boats, and provided incomplete coverage for the striped bass fishery (see Methods section). Therefore this report should not be used to analyze those fisheries.

METHODS

General Approach

The methods of the MRFSS are generally described in the NMFS reports (U.S. Department of Commerce 1984a, 1984b, 1985, 1986, 1987). The MRFSS used a two-pronged approach: a random telephone survey estimated the total number of people who fished, how often they fished, where they fished, and the types of access they used; and an intercept survey (so named because people are intercepted at marine fishing sites) estimated the time individuals fished, and the numbers and lengths of each species of fish caught. Total effort and catch were computed by combining the data from the two surveys.

The effort and catch statistics were categorized by mode, wave, gear, area, and catch type.

Mode defined the type of place or platform from which fishing occurred. Defined modes were:

- * pier and dock;
- * jetty and breakwater;
- * bridge and causeway;
- * other man-made structure;
- * beach and bank;
- * party or charter boat, also termed "Commercial Passenger Fishing Vessel" (CPFV);
- * private or rental boat, also termed "skiff".

The first five modes above are referred to as shore modes, and the latter two boat modes.

Wave defined a two-month period. Defined waves were:

- * January/February;
- * March/April;
- * May/June;
- * July/August;
- * September/October;
- * November/December.

Each possible combination of mode and wave defined a "cell" for which total subregional effort and catch statistics were computed. If no data were available from either the telephone survey or the intercept survey for a particular cell, then no catch could be computed. Therefore one goal of the MRFSS survey was to provide sample sizes sufficient to obtain data for each cell.

Within each cell, effort and catch statistics were further categorized by gear, area, and catch type using intercept survey data.

Gear defined the implement used to catch the fish as:

- * hook and line;
- * spear;
- * net.

Area defined the distance from shore fished as:

- * the ocean greater than three miles from shore;
- * the ocean less than three miles from shore;
- * inland saltwater bays and estuaries connected to the ocean.

Catch type defined the fate of the fish as:

- * Type A: fish caught, landed whole, and available for identification by intercept survey interviewers;
- * Type B: fish caught but not kept or not available for identification. The NMFS reports divide catch type B into two categories:
 - Type B1: Fish caught and filleted, released dead, given away, or disposed of in some other way;
 - Type B2: Fish caught and released alive.

This report divides catch type B somewhat differently; catch types B1 and B2, are not used. In their place are:

- Type B3: Fish caught and filleted, given away, used for bait or for some other purpose;
- Type B4: Fish caught and released alive or dead.

Computation of catch type A+B3, which is the "landed" catch (the catch that is utilized in some fashion), facilitates comparison with the historical data of Miller and Gotshall (1965).

To avoid duplication, the MRFSS excluded fishing for salmon from CPFV's and skiffs. Salmon fishing in those modes was surveyed independently by CDFG. Fishing for striped bass from CPFV's was inadvertently excluded from the MRFSS telephone survey, but not from the creel survey.

MRFSS intercept survey field samplers nearly always identified type A fish to the species level; they were less often able to report type B fish at the species level, since they were relying on the interviewee's description of the fish. Thus some fish were reported to a less specific taxon (e.g. genus, family, order, or class). For this report, the identified taxa were lumped into taxonomic groups, each of which is a logical grouping of one or more taxa (Appendix I).

Coastal County Districts

The estimates in this report are based on the same raw data sets as the NMFS reports, but they were computed by coastal county district rather than subregion. Each coastal county district consists of one or more counties with similar fishery characteristics (Figure 1). The structure of the MRFSS data does not allow computation of total effort and catch statistics in a more specific locality than a county.

Coastal county district 1 includes the Del Norte and Humboldt county coastlines (Figure 1). Coastal county district 2 includes the Mendocino and Sonoma county coastlines. The inland water area of Sonoma County along San Francisco Bay is excluded. Coastal county district 3 (San Francisco) includes eight counties: Marin, Sonoma (inland area), Solano, Contra Costa, Alameda, Santa Clara, San Mateo and San Francisco. Coastal county district 4 includes the Santa Cruz and Monterey county coastlines. Coastal county district 5 includes the San Luis Obispo County coastline.

The estimates in this report are presented by certain combinations of district, area, mode and gear to characterize different recreational fisheries and to facilitate comparison with historical data. To isolate the recreational boat fisheries

of Noyo Harbor and of Bodega Bay, estimates for the boat modes of district 2 are segregated into Mendocino County and Sonoma County. To isolate the fishery in San Francisco Bay, estimates for all modes in district 3 are segregated into ocean and inland (bay) areas. Those inland statistics pertain mainly to San Francisco Bay; however, they include some data pertaining to Half Moon Bay and Tomales Bay. The mode and gear combinations presented are:

- * pier and dock (all gears except spear);
- * jetty and breakwater (all gears except spear);
- * bridge and causeway (all gears except spear);
- * beach and bank (hook and line);
- * beach and bank (net);
- * private/rental boat (all gears except spear);
- * CPFV (all gears except spear);
- * spear gear only (all modes).

Weight Computation

MRFSS intercept survey field samplers recorded the lengths of fish examined. For most species, total length (length of the fish from the tip of the snout to the tip of the longest caudal lobe, with the two caudal lobes pinched together [Miller and Lea 1972]) was recorded. For tuna-like fishes with rigid concave caudal fins, fork length (length of the fish from the tip of the snout to the middle of the fork in the tail) was recorded.

Fish were not weighed directly; weights were computed from known length-weight relationships. The formula used was $W=aL^b$; where W is weight, L is length, and a and b are constants unique to each species. For type A fish, the average weight of each species was calculated directly from the intercept survey length data. The NMFS reports estimated total catch-by-weight of type A fish only, since type B fish were unavailable for measurement.

This report provides annual catch-by-weight estimates of catch type A+B3 by taxonomic group. Those estimates first required calculation of average weights of catch type A+B3 fish by taxon. The weight of each type B3 fish was assumed to be equal to the average weight of the type A fish of the same taxon from the same mode, gear, district, area, year, and quarter (quarters were January-March, April-June, July-September, or October-December). When no type A fish weights of the same taxon were present, the weight of each type B3 fish was estimated from one of the following in descending order of preference:

1. average weight of type A fish of more specific taxa for the same mode, gear, district, area, year, and quarter;
2. annual average weight of type A fish of that taxa or of more specific taxa for that mode, gear, district, area, and year;
3. six-year average weight of type A fish of that taxa or of more specific taxa for that mode, gear, district, and area;
4. six-year average weight of type A fish of that taxa or of

- more specific taxa for all modes, gears, districts and areas;
5. average weight estimate from published literature.

After the weights of catch type B3 fish were estimated, the average weight per fish for each combination of taxonomic group, year, mode-gear combination and district-area combination was calculated by dividing the total weight of all fish by the total number of fish. Then, estimates of catch-by-weight for each combination were calculated by multiplying the catch-by-number estimate by the average weight per fish. In those calculations, catch-by-number estimates of greater than zero but less than 1000 fish (denoted by "0" on the numerical catch tables) were assumed to be 500 fish because 500 is halfway between 1000 and zero.

Weights of fish caught from bridges and causeways were not calculated because mean weights were not available; that omission is not significant because the annual catch-by-number of those fish averaged less than 0.3 percent of the total.

Weights of certain other combinations of year, group, district-area and mode-gear were calculated as zero, even though catch-by-number estimates existed, because the data files used to calculate average weights were subject to more rigorous editing and deletion of erroneous records than the data files used to calculate catch-by-number. The catch-by-number totals of the erroneous records (1,287,000 fish annual average) average 17 percent the total catch-by-number (7,564,000 fish annual average). However erroneous records for surf smelt (1,179,000 fish annual average) comprise nearly all the catch-by-number of the erroneous records. The typical error in those records was that gear was coded as hook and line rather than net. Therefore the reader should be wary of catch-by-number estimates herein containing large numbers of surf smelt; subtraction of the surf smelt estimate will provide a more reliable estimate of catch.

During 1980 through the first quarter of 1984, intercept survey samplers working from Sonoma county south through San Mateo county inadvertently measured the fork length of species that should have been measured for total length. Samplers in Santa Cruz and Monterey counties during the third and fourth quarters of 1983 and the first quarter of 1984 made the same error. The error has been corrected in this report by converting fork lengths to total lengths using fork length vs. total length relationships from several sources (Echeverria and Lenarz 1984; Karpov and Kwiecien 1988i; Van Hying 1951). The formula used is $TL=a+b(FL)$; where a and b are constants unique to each species.

Other Computations

There are several other differences in the input data and computation methods between this report and the NMFS reports:

Due to telephone survey data quality problems associated with the startup of the MRFSS, data from 1979 and 1980 were excluded from this report. MRFSS data from 1987, 1988 and 1989 were also excluded, due to small sample sizes and intercept survey data quality problems.

In the MRFSS, the number of telephone survey calls allotted to each county was proportional to the square root of the county's population. Thus low-population rural counties were intentionally oversampled in order to obtain a sufficient number of responses from each county. However, since rural counties tend to have a higher percentage of people who fish than urban counties, that overrepresentation caused overestimation of effort and catch statistics in the NMFS reports. The computations used for this report corrected that overrepresentation.

To avoid duplication, boat-mode anglers targeting salmon were normally excluded from the MRFSS telephone and intercept surveys during waves when CDFG conducted its salmon survey. However, so-called "short-form" salmon intercept interviews (interviews terminated upon finding that salmon were targeted) were inadvertently included in the data input to the NMFS reports. They were excluded from the data used for this report.

The intercept survey data used in this report were subject to additional review and editing as compared to data used in the NMFS reports.

In the NMFS reports, statistics were computed by subregion. Since such a large area was covered, there were usually sufficient intercept and telephone survey data in each cell to allow computation of effort and catch statistics. In this report, statistics were computed by coastal county district. Since the geographic extent of each cell was smaller than in the NMFS reports, the incidence of cells with no telephone survey data increased. When such a cell was found, proxy telephone survey data, consisting of average data for the years 1981-86 for the same cell, were used.

All estimates in this report were prepared by CIC Research, Inc., San Diego, California, except the catch-by-weight estimates, which were prepared by the authors.

RESULTS

Field intercept samplers identified 203 fish taxa in 69 groups; 169 of the taxa were discrete species (Appendix I).

Recreational fishery statistics are provided in tables 1 through 54 for each year from 1981 through 1986. Tables 1 through 38 provide estimates of catch-by-number. Tables 39 through 42 provide estimates of fishing effort. Tables 43 through 45

provide data on species sought and catch per trip. Table 46 provides data on the county of residence of intercept survey interviewees. Tables 47 through 54 provide estimates of catch-by-weight. To facilitate access, the tables are preceded by a table finding guide.

In the catch-by-number tables, the effort tables, and the catch-by-weight tables, values of one thousand units or greater are reported to the nearest thousand, and estimates of zero are denoted by an asterisk, "*". In the catch-by-number tables and the effort tables, estimates greater than zero and less than one thousand are reported as "0"; however, in the catch-by-weight tables, such estimates are rounded to the nearest thousand ("0" or "1").

The estimates in tables 1, 13, and 25 are accompanied by standard error (SE) and coefficient of variation (CV) statistics. The CV's reflect the robustness of the estimates, and in many instances are large compared to the estimate.

The surf net fishery (denoted in the catch tables under beach & bank mode, net gear) was too patchy in occurrence to provide sufficient data for computation of any catch estimates for that fishery.

If the estimates for coastal county districts 1 through 4 are summed, estimates in this report can be compared to estimates for the same geographic area (the northern California subregion) in the NMFS reports. Such comparison shows that estimates in this report are usually somewhat lower than estimates in the NMFS reports. For example, NMFS estimates a total fish catch in the northern California subregion in 1986 of 11,227,000 fish (U.S. Department of Commerce 1987); this report's estimate (derived by summing the catch of districts 1 through 4) is 8,765,000 fish. The estimates in this report are probably more accurate than the comparable estimates in the NMFS reports due to the aforementioned improvements in data editing and computation.

TABLE FINDING GUIDE

	CATCH TYPE			
	A + B	A + B3	A	B4
CATCH-BY-NUMBER				
Species & District	1	13	25	26
District & Mode	2	14		27
Species & Mode, All Districts	3	15		28
Species & Mode, by District	4-12	16-24		29-37
Type, Wave and District	38	38	38	38
CATCH-BY-WEIGHT				
Species & Mode, by District		47-54		
EFFORT	↓ (All Catch Types) ↓			
Number of People Fishing	39			
Fishing Trips by District	40			
Fishing Trips by District & Mode	41			
Number of Hours Fished	42			
FISH CAUGHT PER TRIP				
Frequency Distribution	44			
Average	45			
FISHERY DEMOGRAPHICS				
Primary Species Sought	43			
Location of Residence	46			

Catch Type A: Catch available for identification.
 Catch Type B: Catch not available for identification.
 Catch type B3: Used for bait, filleted, other.
 Catch Type B4: Released alive or dead.

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1981--DEC 1981.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	0	0	100	*	*	*	56	15	27	2	0	75	*	*	*	58	15	26
02. SPINY DOGFISH	0	0	100	*	*	*	1	1	59	0	1	96	1	1	56	3	1	57
03. SHARK, OTHER	3	3	94	0	0	81	204	68	33	1	1	43	1	1	61	210	68	32
04. STURGEONS	*	*	*	*	*	*	56	14	25	*	*	*	*	*	*	26	14	25
05. PACIFIC HERRING	8	13	151	20	17	87	*	*	*	*	*	*	*	*	*	28	21	76
06. NORTHERN ANCHOVY	2	1	54	*	*	*	128	62	48	*	*	*	*	*	*	130	62	47
07. SURF SMELT	1,822	890	49	552	379	69	2	2	100	*	*	*	*	*	*	2,376	987	41
10. PACIFIC TOMCOD	0	0	100	*	*	*	13	8	61	*	*	*	*	*	*	13	8	61
12. PACIFIC HAKE	0	0	90	*	*	*	*	*	*	3	2	78	*	*	*	3	2	72
13. SILVERSIDES	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
14. JACKSMELT	7	7	104	2	1	79	394	307	78	7	5	63	8	4	54	418	308	74
15. BLACK ROCKFISH	190	139	73	26	11	43	13	5	42	*	*	*	387	6	75	236	140	59
16. BLUE ROCKFISH	27	14	52	263	107	41	115	98	85	23	71	31	181	15	47	1,023	242	24
17. BROWN ROCKFISH	1	0	55	14	5	33	131	42	32	5	2	42	173	66	66	173	45	26
18. BOCACCIO	*	*	*	25	8	33	61	23	38	45	36	80	22	12	58	144	44	31
19. CANARY ROCKFISH	20	13	64	37	8	23	11	5	43	8	4	54	26	24	92	101	29	29
20. CHILIPEPPER ROCKFISH	*	*	*	0	0	100	5	4	91	72	4	102	*	*	*	76	29	95
21. COPPER ROCKFISH	3	2	71	42	11	26	21	7	34	3	4	72	24	16	66	96	21	22
22. GOPHER ROCKFISH	*	*	*	1	0	68	1	1	100	3	3	53	56	30	53	56	20	48
23. GREENSPOTTED ROCKFISH	*	*	*	4	0	35	37	15	40	6	2	49	4	3	72	50	15	31
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	3	2	67	4	2	49	*	*	*	7	3	40
25. OLIVE ROCKFISH	*	*	*	3	1	46	*	*	*	12	5	38	33	24	73	48	25	51
26. QUILLBACK ROCKFISH	0	0	66	1	0	47	*	*	*	*	*	*	*	*	*	1	0	39
27. ROSY ROCKFISH	1	1	113	4	2	42	3	2	62	5	3	49	28	17	61	46	17	43
28. STARRY ROCKFISH	*	*	*	2	1	43	4	3	73	6	3	43	20	13	67	32	14	44
29. VERMILION ROCKFISH	0	0	100	3	2	47	*	*	*	5	2	48	16	9	58	20	10	39
30. WIDOW ROCKFISH	*	*	*	8	2	32	1	1	100	10	7	72	1	1	100	21	8	39
31. YELLOWTAIL ROCKFISH	0	0	61	66	19	29	104	46	44	46	19	41	53	29	55	269	61	22
33. ROCKFISHES, OTHER	14	8	55	99	53	54	153	45	29	320	86	27	71	32	45	668	115	18
34. KELP GREENLING	8	3	36	18	6	35	14	5	37	2	1	53	1	1	67	63	9	20
35. LINGCOD	33	15	44	17	9	53	3	1	34	54	27	50	11	4	40	118	32	27
36. GREENLINGS, OTHER	0	0	68	14	4	26	1	2	138	1	1	100	*	*	*	17	4	25
38. CABEZON	9	5	60	9	3	34	6	2	36	4	1	37	8	4	43	57	8	21
39. PAC. STAGHORN SCULPIN	0	0	42	1	1	44	365	72	20	10	3	35	15	9	60	391	72	33
40. SCULPINS, OTHER	1	0	66	3	1	45	0	0	100	0	0	100	0	0	100	5	2	19
43. KELP BASS	*	*	*	0	0	100	1	1	100	1	1	80	1	1	78	3	1	49
44. STRIPED BASS	*	*	*	2	2	78	86	20	24	0	0	100	*	*	*	148	20	23
48. WHITE CRANKER	*	*	*	0	0	100	94	21	23	43	13	31	6	2	88	1	0	18
51. OPALLEYE	*	*	*	*	*	*	*	*	*	*	*	*	1	1	88	1	1	88
53. BARRED SURFPERCH	*	*	*	*	*	*	46	15	32	175	61	35	35	18	53	255	66	26
54. BLACK PERCH	*	*	*	1	0	100	35	26	74	5	4	73	0	0	100	41	26	64
55. PILE PERCH	1	0	53	0	0	100	17	10	57	4	3	62	0	0	112	23	15	45
56. REDTAIL SURFPERCH	68	52	76	4	0	51	71	31	44	0	0	100	*	*	*	144	61	42
57. RUBBERLIP SEAPERCH	*	*	*	0	0	90	60	17	29	2	1	43	0	0	100	63	18	28
58. SHINER PERCH	2	2	106	4	2	52	58	15	26	10	6	58	12	10	80	86	19	22
59. SILVER SURFPERCH	2	2	74	2	1	50	24	9	37	11	6	53	44	27	60	83	29	35
60. STRIPED SEAPERCH	7	4	101	29	11	38	14	7	50	5	3	66	0	0	154	55	15	28
61. WALLEYE SURFPERCH	6	4	69	0	0	77	72	24	33	28	10	37	4	3	61	110	26	24
62. WHITE SEAPERCH	5	3	50	2	1	68	20	6	31	6	2	33	*	*	*	33	7	22
63. SURFPERCHES, OTHER	23	37	166	12	5	42	105	28	28	73	27	57	25	19	74	255	58	26
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	0	0	*	0	0	100	0	0	100
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	0	0	92	0	0	87	0	0	79
67. PACIFIC MACKEREL	*	*	*	2	2	135	*	*	*	19	6	34	81	36	45	102	37	36
69. STARRY FLOUNDER	0	0	79	0	0	66	46	15	32	5	3	57	1	1	46	53	15	28
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	4	2	43	*	*	*	1	0	69	5	2	36
71. PACIFIC SANDDAB	*	*	*	2	3	111	11	7	58	18	9	48	16	12	75	47	16	34
72. ROCK SOLE	*	*	*	1	0	57	*	*	*	0	0	100	0	0	100	0	0	79
73. FLATFISHES, OTHER	2	2	74	1	0	50	15	4	26	35	21	59	0	1	57	67	21	39
74. SALMONIDS	24	20	83	5	3	67	38	12	31	*	*	*	0	0	100	67	23	34
75. OTHER FISH	1	1	75	7	3	20	92	23	25	3	1	42	1	1	50	104	23	22
TOTAL	2,294	904	39	1,309	399	30	2,813	361	13	1,311	160	12	1,036	202	20	8,763	1083	12

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK			BEACH BANK		SPEAR	ALL MODES
			CAUSEWAY	HOOK & LINE	P/R BOAT	CPV	NET		
DEL NORTE/HUMBOLDT	40	14	6	1,911	306	16	*	*	2,294
MENDOCINO/SONOMA (NON-BOAT MODES)	41	4	*	654	*	*	*	1	700
MENDOCINO (BOAT MODES)	*	*	*	*	130	238	*	*	368
SONOMA (BOAT MODES)	*	*	*	*	19	223	*	*	241
SAN FRANCISCO	426	63	57	321	1,354	592	*	*	2,813
SANTA CRUZ/MONTEREY	83	35	*	254	214	705	*	10	1,311
SAN LUIS OBISPO	62	7	*	122	281	563	*	*	1,036
TOTAL	652	123	64	3,272	2,304	2,337	0	11	8,783

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	3	47	*	*	*	58
02. SPINY DOGFISH	1	*	*	*	2	0	*	*	3
03. SHARK, OTHER	7	1	3	2	196	2	*	*	210
04. STURGEONS	0	*	*	*	39	17	*	*	56
05. PACIFIC HERRING	28	0	*	*	*	*	*	*	28
06. NORTHERN ANCHOVY	74	*	55	2	*	*	*	*	130
07. SLURF SHEL	*	*	*	2,376	*	*	*	*	2,376
10. PACIFIC TOMCOD	12	*	*	0	*	1	*	*	13
12. PACIFIC HAKE	*	0	*	0	0	2	*	*	3
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	66	3	2	25	321	*	*	*	418
15. BLACK ROCKFISH	1	4	*	13	192	26	*	0	236
16. BLUE ROCKFISH	1	1	*	8	242	770	*	1	1,023
17. BROWN ROCKFISH	15	3	*	9	122	24	*	*	173
18. BOCACCIO	10	*	*	*	1	133	*	*	144
19. CANARY ROCKFISH	*	1	*	1	40	61	*	*	101
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	76	*	*	76
21. COPPER ROCKFISH	0	0	*	2	29	65	*	*	96
22. GOPHER ROCKFISH	*	1	*	1	31	29	*	*	60
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	50	*	*	50
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	7	*	*	7
25. OLIVE ROCKFISH	*	*	*	*	16	31	*	1	48
26. GULLBACK ROCKFISH	*	*	*	*	1	0	*	*	1
27. ROSY ROCKFISH	0	*	*	0	10	30	*	*	40
28. STARRY ROCKFISH	*	*	*	*	7	25	*	*	32
29. VERMILION ROCKFISH	*	*	*	0	9	16	*	*	25
30. WIDOW ROCKFISH	*	*	*	*	0	20	*	*	21
31. YELLOWTAIL ROCKFISH	*	*	*	1	27	241	*	*	269
33. ROCKFISHES, OTHER	16	2	*	10	190	440	*	1	658
34. KELP GREENLING	0	3	*	21	13	6	*	0	43
35. LINGCOD	1	1	*	4	64	46	*	3	118
36. GREENLINGS, OTHER	1	0	*	15	0	*	*	1	17
38. CABEZON	0	1	*	15	16	4	*	1	37
39. PAC. STAGHORN SCULPTIN	87	42	*	59	138	66	*	*	391
40. SCULPTINS, OTHER	0	1	*	4	0	*	*	*	5
43. KELP BASS	*	0	*	1	62	*	*	1	3
44. STRIPED BASS	1	*	*	4	1	21	*	*	88
48. WHITE CRONKER	49	7	*	6	78	2	*	*	143
51. OPALEYE	*	*	*	1	*	*	*	*	1
53. BARRED SURPPERCH	7	8	*	239	1	0	*	*	255
54. BLACK PERCH	4	*	0	7	29	*	*	1	41
55. PILE PERCH	2	1	0	5	14	*	*	1	23
56. REDTAIL SURPPERCH	2	1	0	135	6	*	*	*	144
57. RUBBERLIP SEAPERCH	10	*	0	6	46	*	*	*	63
58. SHINER PERCH	58	5	0	15	9	*	*	*	86
59. SILVER SURPPERCH	3	0	1	72	6	*	*	*	83
60. STRIPED SEAPERCH	11	8	0	33	2	*	*	0	55
61. HALLEYE SURPPERCH	31	16	0	25	38	*	*	*	110
62. WHITE SEAPERCH	12	0	0	16	5	*	*	*	33
63. SURPPERCHES, OTHER	65	4	2	118	46	*	*	*	236
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	28	0	*	*	18	56	*	*	102
69. STARRY FLOUNDER	8	3	*	1	28	13	*	*	53
70. CALIFORNIA HALIBUT	*	*	*	0	4	0	*	*	5
71. PACIFIC SANDDAB	9	*	*	0	36	1	*	*	47
72. ROCK SOLE	*	0	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	8	5	0	5	30	6	*	*	54
74. SALMONIDS	4	0	*	1	28	34	*	*	67
75. OTHER FISH	13	2	*	8	63	18	*	*	106
TOTAL	652	123	64	3,272	2,304	2,337	0	11	8,765

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	0	3	0	*	*	*	*	3
05. PACIFIC HERRING	8	*	*	*	*	*	*	*	8
06. NORTHERN ANCHOVY	*	*	*	2	*	*	*	*	2
07. SURF SMELT	*	*	*	1,822	*	*	*	*	1,822
10. PACIFIC TOMCOD	*	*	*	0	*	*	*	*	0
12. PACIFIC HAKE	*	0	*	0	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	4	0	*	0	2	*	*	*	7
15. BLACK ROCKFISH	1	4	*	9	165	12	*	*	190
16. BLUE ROCKFISH	0	1	*	*	26	*	*	*	27
17. BROWN ROCKFISH	*	0	*	0	*	*	*	*	1
19. CANARY ROCKFISH	*	1	*	*	20	*	*	*	20
21. COPPER ROCKFISH	*	0	*	*	3	*	*	*	3
26. QUILLBACK ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	1	*	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	0	0	*	1	12	0	*	*	14
34. KELP GREENLING	0	3	*	2	2	0	*	*	8
35. LINGCOD	*	0	*	1	30	2	*	*	33
36. GREENLINGS, OTHER	*	0	*	*	*	*	*	*	0
38. CABEZON	*	1	*	3	5	1	*	*	9
39. PAC. STAGHORN SCULPIN	*	0	*	0	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	0	0	*	*	*	1
55. PILE PERCH	0	0	0	0	0	*	*	*	1
56. REDTAIL SURFPERCH	1	1	0	61	4	*	*	*	68
58. SHINER PERCH	1	0	*	*	1	*	*	*	2
59. SILVER SURFPERCH	0	0	1	1	0	*	*	*	2
60. STRIPED SEAPERCH	1	1	0	4	0	*	*	*	7
61. WALLEYE SURFPERCH	2	0	0	0	3	*	*	*	6
62. WHITE SEAPERCH	0	0	0	0	4	*	*	*	5
63. SURFPERCHES, OTHER	18	0	2	1	2	*	*	*	23
69. STARRY FLOUNDER	0	0	*	0	0	*	*	*	0
73. FLATFISHES, OTHER	1	0	0	0	1	*	*	*	2
74. SALMONIDS	*	*	*	1	23	*	*	*	24
75. OTHER FISH	*	0	*	1	1	*	*	*	1
TOTAL	40	14	6	1,911	306	16	0	0	2,294

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	0	0	*	*	*	*	*	*	0
05. PACIFIC HERRING	20	0	*	*	*	*	*	*	20
07. SURF SMELT	*	*	*	552	*	*	*	*	552
14. JACKSMELT	*	*	*	2	*	*	*	*	2
15. BLACK ROCKFISH	*	0	*	5	*	*	*	0	5
16. BLUE ROCKFISH	*	0	*	8	*	*	*	0	8
17. BROWN ROCKFISH	*	*	*	2	*	*	*	*	2
19. CANARY ROCKFISH	*	*	*	1	*	*	*	*	1
21. COPPER ROCKFISH	*	*	*	2	*	*	*	*	2
22. GOPHER ROCKFISH	*	1	*	*	*	*	*	*	1
27. ROSY ROCKFISH	*	*	*	0	*	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	0	*	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	1	*	*	*	*	1
33. ROCKFISHES, OTHER	0	0	*	1	*	*	*	0	1
34. KELP GREENLING	*	0	*	16	*	*	*	0	16
35. LINGCOD	0	0	*	2	*	*	*	1	3
36. GREENLINGS, OTHER	*	0	*	14	*	*	*	*	14
38. CABEZON	0	0	*	6	*	*	*	0	6
39. PAC. STAGHORN SCULPIN	0	0	*	0	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	3	*	*	*	*	3
43. KELP BASS	*	0	*	*	*	*	*	*	0
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFFERCH	0	0	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	3	*	*	0	*	*	*	*	3
59. SILVER SURFFERCH	0	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	7	0	*	21	*	*	*	*	29
61. WALLEYE SURFFERCH	0	*	*	*	*	*	*	*	0
62. WHITE SEAPERCH	0	0	*	2	*	*	*	*	2
63. SURFFERCHES, OTHER	2	0	*	9	*	*	*	*	11
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	0	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	4	0	*	0	*	*	*	*	4
75. OTHER FISH	1	0	*	0	*	*	*	*	1
TOTAL	41	4	0	654	0	0	0	1	700

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	14	5	*	*	19
16. BLUE ROCKFISH	*	*	*	*	59	195	*	*	253
18. BOCACCIO	*	*	*	*	*	1	*	*	1
19. CANARY ROCKFISH	*	*	*	*	8	6	*	*	14
21. COPPER ROCKFISH	*	*	*	*	9	1	*	*	10
25. OLIVE ROCKFISH	*	*	*	*	1	0	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	0	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	4	27	*	*	31
33. ROCKFISHES, OTHER	*	*	*	*	16	1	*	*	17
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	9	2	*	*	11
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	2	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	2	*	*	*	2
71. PACIFIC SANDDAB	*	*	*	*	2	*	*	*	2
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	130	238	0	0	368

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	1	1	*	*	2
16. BLUE ROCKFISH	*	*	*	*	1	1	*	*	2
17. BROWN ROCKFISH	*	*	*	*	2	9	*	*	12
18. BOCACCIO	*	*	*	*	*	26	*	*	26
19. CANARY ROCKFISH	*	*	*	*	1	21	*	*	22
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	1	29	*	*	31
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	*	0	1	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	*	3	*	*	3
28. STARRY ROCKFISH	*	*	*	*	*	2	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	*	3	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	7	*	*	7
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	34	*	*	34
33. ROCKFISHES, OTHER	*	*	*	*	1	80	*	*	81
34. KELP GREENLING	*	*	*	*	1	1	*	*	1
35. LINGCOD	*	*	*	*	2	1	*	*	3
38. CABEZON	*	*	*	*	1	*	*	*	1
39. PAC. STAGHORN SCULPIN	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	*	*	*	*	2	*	*	*	2
54. BLACK PERCH	*	*	*	*	1	*	*	*	1
69. STARRY FLOUNDER	*	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	4	*	*	*	4
TOTAL	0	0	0	0	19	223	0	0	261

TABLE 8. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1981--DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	3	45	*	*	56
02. SPINY DOGFISH	1	*	*	*	0	0	*	1
03. SHARK, OTHER	6	1	*	1	195	1	*	204
04. STURGEONS	0	*	*	*	39	17	*	56
06. NORTHERN ANCHOVY	74	*	55	*	*	*	*	128
07. SURF SMELT	*	*	*	2	*	*	*	2
10. PACIFIC TOMCOD	12	*	*	*	*	1	*	13
14. JACKSMELT	52	3	2	21	317	*	*	394
15. BLACK ROCKFISH	*	*	*	*	8	5	*	13
16. BLUE ROCKFISH	*	*	*	*	11	104	*	115
17. BROWN ROCKFISH	15	2	*	7	104	3	*	131
18. BOCCACCIO	*	*	*	*	*	61	*	61
19. CANARY ROCKFISH	*	*	*	*	*	11	*	11
20. CHILIPPPER ROCKFISH	*	*	*	*	*	5	*	5
21. COPPER ROCKFISH	*	*	*	*	2	19	*	21
22. GOPHER ROCKFISH	*	*	*	*	*	1	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	37	*	37
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	3
27. ROSY ROCKFISH	*	*	*	*	*	3	*	3
28. STARRY ROCKFISH	*	*	*	*	*	4	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	104	*	104
33. ROCKFISHES, OTHER	12	1	*	4	90	47	*	153
34. KELP GREENLING	0	*	*	2	7	4	*	14
35. LINGOOD	1	0	*	1	1	1	*	3
36. GREENLING, OTHER	1	*	*	0	3	*	*	1
38. CABEZON	*	*	*	3	2	1	*	6
39. PAC. STAGHORN SCULPTIN	81	38	*	45	135	66	*	365
40. SCULPINS, OTHER	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	*	1	*	*	1
44. STRIPED BASS	1	*	*	3	60	21	*	86
48. WHITE CROAKER	27	6	*	2	57	2	*	94
53. BARRED SURFFERCH	1	1	*	43	1	*	*	46
54. BLACK PERCH	3	*	*	3	28	*	*	36
55. PILE PERCH	1	*	*	3	14	*	*	17
56. REDTAIL SURFFERCH	0	*	*	70	1	*	*	71
57. RUBBERLIP SEAPERCH	9	*	*	6	46	*	*	60
58. SHINER PERCH	36	2	0	11	8	*	*	58
59. SILVER SURFFERCH	2	*	*	15	6	*	*	24
60. STRIPED SEAPERCH	2	7	*	4	1	*	*	14
61. WALLEYE SURFFERCH	24	*	*	12	35	*	*	72
62. WHITE SEAPERCH	9	*	*	11	1	*	*	20
63. SURFFERCHES, OTHER	19	*	*	40	43	*	*	108
69. STARRY FLOUNDER	6	*	*	1	27	13	*	46
70. CALIFORNIA HALIBUT	*	*	*	*	4	0	*	4
71. PACIFIC SANDDAB	9	*	*	0	2	*	*	11
73. FLATFISHES, OTHER	4	1	*	2	2	6	*	15
74. SALMONIDS	*	*	*	*	5	34	*	38
75. OTHER FISH	11	1	*	7	56	17	*	92
TOTAL	426	63	57	321	1,354	592	0	2,813

TABLE 9. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	1	2	*	*	*	2
02. SPINY DOGFISH	*	*	*	*	*	0	*	*	0
03. SHARK, OTHER	*	1	*	*	2	1	*	*	4
04. STURGEONS	*	*	*	*	2	*	*	*	2
07. SURF SMELT	*	*	*	2	*	*	*	*	2
10. PACIFIC TOMCOD	10	*	*	*	*	*	*	*	10
14. JACKSMELT	0	*	*	*	1	*	*	*	2
15. BLACK ROCKFISH	*	*	*	*	4	5	*	*	9
16. BLUE ROCKFISH	*	*	*	*	8	10	*	*	18
17. BROWN ROCKFISH	*	*	*	*	2	3	*	*	6
18. BOCACCIO	*	*	*	*	*	61	*	*	61
19. CANARY ROCKFISH	*	*	*	*	*	11	*	*	11
20. CHILIPPPER ROCKFISH	*	*	*	*	*	5	*	*	5
21. COPPER ROCKFISH	*	*	*	*	1	18	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	37	*	*	37
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	3	*	*	3
28. STARRY ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	10	*	*	10
33. ROCKFISHES, OTHER	*	1	*	2	43	47	*	*	98
34. KELP GREENLING	*	*	*	1	2	4	*	*	7
35. LINGCOD	*	*	*	*	1	1	*	*	2
36. GREENLINGS, OTHER	1	*	*	0	*	*	*	*	1
38. CABEZON	*	*	*	2	1	1	*	*	3
39. PAC. STAGHORN SCULPIN	2	4	*	2	1	*	*	*	9
43. KELP BASS	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	*	*	*	*	*	1	*	*	1
48. WHITE CROAKER	4	4	*	*	15	*	*	*	24
53. BARRED SURFFERCH	1	*	*	32	*	*	*	*	32
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	1	*	*	*	1
56. REDTAIL SURFFERCH	0	*	*	57	*	*	*	*	57
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFFERCH	1	*	*	13	*	*	*	*	14
60. STRIPED SEAPERCH	0	7	*	3	1	*	*	*	11
61. HALLYE SURFFERCH	2	*	*	1	2	*	*	*	5
62. WHITE SEAPERCH	3	*	*	5	*	*	*	*	7
63. SURFFERCHES, OTHER	2	*	*	21	1	*	*	*	24
69. STARRY FLOUNDER	*	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	*	0	*	*	0
71. PACIFIC SANDDAB	*	*	*	0	2	*	*	*	2
73. FLATFISHES, OTHER	1	*	*	2	*	1	*	*	4
74. SALMONIDS	*	*	*	*	4	33	*	*	38
75. OTHER FISH	1	1	*	0	21	6	*	*	28
TOTAL	29	17	0	143	117	456	0	0	763

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	2	44	*	*	*	53
02. SPINY DOGFISH	1	*	*	*	0	*	*	*	1
03. SHARK, OTHER	6	*	*	1	193	*	*	*	200
04. STURGEONS	0	*	*	*	37	17	*	*	55
06. NORTHERN ANCHOVY	74	*	55	*	*	*	*	*	128
10. PACIFIC TOMCOD	2	*	*	*	*	1	*	*	3
14. JACKSMELT	51	3	2	21	316	*	*	*	393
15. BLACK ROCKFISH	*	*	*	*	4	0	*	*	4
16. BLUE ROCKFISH	*	*	*	*	3	*	*	*	3
17. BROWN ROCKFISH	15	2	*	7	101	*	*	*	125
21. COPPER ROCKFISH	*	*	*	*	1	0	*	*	1
33. ROCKFISHES, OTHER	12	*	*	2	46	*	*	*	61
34. KELP GREENLING	0	*	*	1	5	0	*	*	7
35. LINGCOD	1	0	*	1	*	*	*	*	2
38. CABEZON	*	*	*	1	1	*	*	*	5
39. PAC. STAGHORN SOULPIN	79	33	*	43	135	66	*	*	356
40. SOULPINS, OTHER	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	1	*	*	3	60	20	*	*	84
48. WHITE CROAKER	23	2	*	2	41	2	*	*	71
53. BARRED SURFFERCH	1	1	*	11	1	*	*	*	13
54. BLACK PERCH	3	*	*	3	28	*	*	*	34
55. PILE PERCH	1	*	*	3	13	*	*	*	17
56. REDTAIL SURFFERCH	*	*	*	13	1	*	*	*	14
57. RUBBERLIP SEAPERCH	8	*	*	6	46	*	*	*	60
58. SHINER PERCH	35	2	0	11	8	*	*	*	57
59. SILVER SURFFERCH	1	*	*	2	6	*	*	*	9
60. STRIPED SEAPERCH	2	*	*	1	*	*	*	*	3
61. WALLEYE SURFFERCH	22	*	*	12	34	*	*	*	67
62. WHITE SEAPERCH	6	*	*	6	1	*	*	*	13
63. SURFFERCHES, OTHER	18	*	*	19	43	*	*	*	79
69. STARRY FLOUNDER	6	*	*	1	27	12	*	*	46
70. CALIFORNIA HALIBUT	*	*	*	*	4	*	*	*	4
71. PACIFIC SANDDAB	9	*	*	*	*	*	*	*	9
73. FLATFISHES, OTHER	3	1	*	*	2	5	*	*	11
74. SALMONIDS	*	*	*	*	1	0	*	*	1
75. OTHER FISH	10	1	*	6	36	11	*	*	64
TOTAL	397	46	57	177	1,237	136	0	0	2,050

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK P/R BOAT	CPFV	BEACH NET	BANK SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	1	*	*	*	2
02. SPINY DOGFISH	*	*	*	0	0	*	*	*	0
03. SHARK, OTHER	*	*	*	0	1	0	*	*	1
12. PACIFIC HAKE	*	*	*	*	0	2	*	*	3
14. JACKSMELT	4	0	*	3	0	*	*	*	7
16. BLUE ROCKFISH	1	*	*	0	39	191	*	1	232
17. BROWN ROCKFISH	0	*	*	0	4	0	*	*	5
18. BOCACCIO	*	*	*	*	0	45	*	*	45
19. CANARY ROCKFISH	*	*	*	*	5	3	*	*	8
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	71	*	*	71
21. COPPER ROCKFISH	*	*	*	0	5	0	*	*	6
22. GOPHER ROCKFISH	*	*	*	*	3	*	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	6	*	*	6
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	*	5	6	*	1	12
27. ROSY ROCKFISH	0	*	*	*	2	3	*	*	5
28. STARRY ROCKFISH	*	*	*	*	2	4	*	*	6
29. VERMILION ROCKFISH	*	*	*	*	3	2	*	*	5
30. WIDOW ROCKFISH	*	*	*	*	0	10	*	*	10
31. YELLOWTAIL ROCKFISH	*	*	*	*	11	35	*	*	46
33. ROCKFISHES, OTHER	4	0	*	1	40	27	*	1	320
34. KELP GREENLING	*	0	*	0	1	*	*	*	2
35. LINGCOD	*	*	*	1	16	35	*	2	54
36. GREENLING, OTHER	*	*	*	*	*	*	*	1	1
38. CABEZON	*	0	*	0	2	*	*	1	4
39. PAC. STAGHORN SCULPIN	4	4	*	2	*	*	*	*	10
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	*	*	*	*	1	0
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CRONKER	21	0	*	4	18	*	*	*	43
53. BARRED SURFFERCH	5	0	*	170	0	0	*	*	175
54. BLACK PERCH	0	*	*	3	0	*	*	1	5
55. PILE PERCH	*	1	*	2	*	*	*	1	4
56. REDTAIL SURFFERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	*	0	0	*	*	*	2
58. SHINER PERCH	8	2	*	*	*	*	*	*	10
59. SILVER SURFFERCH	*	0	*	11	*	*	*	*	11
60. STRIPED SEAPERCH	1	*	*	3	1	*	*	0	5
61. WALLEYE SURFFERCH	4	16	*	9	*	*	*	*	28
62. WHITE SEAPERCH	2	0	*	3	*	*	*	*	6
63. SURFFERCHES, OTHER	24	4	*	45	0	*	*	*	73
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	0	*	*	7	12	*	*	19
69. STARRY FLOUNDER	2	3	*	0	*	*	*	*	5
71. PACIFIC SANDDAB	*	*	*	*	17	1	*	*	18
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	3	3	*	3	2	*	*	*	35
75. OTHER FISH	*	1	*	*	1	1	*	*	3
TOTAL	83	35	0	264	214	705	0	10	1,311

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1981--DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	0	*	*	1	0	*	*	*	1
14. JACKSMELT	6	*	*	0	5	*	*	*	8
15. BLACK ROCKFISH	*	*	*	*	*	3	*	*	8
16. BLUE ROCKFISH	*	*	*	*	105	281	*	*	387
17. BROWN ROCKFISH	0	*	*	*	12	11	*	*	22
18. BOCACCIO	10	*	*	*	0	2	*	*	12
19. CANARY ROCKFISH	*	*	*	*	6	25	*	*	26
21. COPPER ROCKFISH	0	*	*	*	6	15	*	*	21
22. GOPHER ROCKFISH	*	*	*	1	28	28	*	*	56
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	*	9	24	*	*	33
27. ROSY ROCKFISH	*	*	*	*	7	21	*	*	28
28. STARRY ROCKFISH	*	*	*	*	5	15	*	*	20
29. VERMILION ROCKFISH	*	*	*	*	5	11	*	*	16
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	12	40	*	*	52
33. ROCKFISHES, OTHER	*	*	*	2	32	37	*	*	71
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	0	*	*	*	7	4	*	*	11
38. CABEZON	*	*	*	3	4	2	*	*	8
39. PAC. STAGHORN SOULPIN	2	*	*	11	1	*	*	*	15
40. SOULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	1	*	*	*	*	1
48. WHITE CROAKER	2	*	*	*	4	*	*	*	6
51. OPAL EYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	1	7	*	26	*	*	*	*	35
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	0	*	*	*	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	9	*	*	4	*	*	*	*	12
59. SILVER SURFPERCH	0	*	*	44	*	*	*	*	44
60. STRIPED SEAPERCH	0	*	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	1	*	*	3	*	*	*	*	4
63. SURFPERCHES, OTHER	2	*	*	23	*	*	*	*	25
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	28	*	*	*	9	44	*	*	81
69. STARRY FLOUNDER	0	*	*	0	0	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	0	*	*	0	15	0	*	*	16
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	0	*	*	0	2	*	*	*	2
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	0	*	*	0	0	*	*	*	1
TOTAL	62	7	0	122	281	563	0	0	1,036

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1981--DEC 1981.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	0	0	100	*	*	*	19	10	55	*	*	*	*	*	*	19	10	54
02. SPINY DOGFISH	0	0	100	*	*	*	1	1	59	0	0	96	1	1	56	3	1	37
03. SHARK, OTHER	0	0	100	*	*	*	13	3	27	0	0	74	*	*	*	14	3	26
04. STURGEONS	*	*	*	*	*	*	20	9	45	*	*	*	*	*	*	20	9	45
05. PACIFIC HERRING	8	13	151	19	17	91	*	*	*	*	*	*	*	*	*	27	21	78
06. NORTHERN ANCHOVY	2	1	54	*	*	*	94	46	49	*	*	*	*	*	*	98	46	48
07. SURF SMELT	1,822	890	49	552	379	69	2	2	100	*	*	*	*	*	2,576	967	41	
10. PACIFIC TOMCOD	0	0	100	*	*	*	3	2	64	*	*	*	*	*	*	2	2	64
12. PACIFIC HAKE	0	0	90	*	*	*	*	*	*	3	2	78	*	*	*	3	2	72
13. SILVERSIDES	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
14. JACKSMELT	7	7	104	2	1	79	392	307	78	7	5	64	7	4	61	414	308	74
15. BLACK ROCKFISH	185	139	76	26	11	43	13	5	42	*	*	*	34	6	75	230	139	61
16. BLUE ROCKFISH	27	14	32	263	107	41	113	98	85	222	71	33	22	15	51	971	238	24
17. BROWN ROCKFISH	0	0	71	14	5	33	100	39	39	4	4	44	17	7	66	141	42	30
18. BOCCACCIO	*	*	*	21	8	33	61	23	38	45	36	80	11	6	66	143	44	31
19. CANARY ROCKFISH	20	13	65	37	8	23	11	5	43	8	4	54	26	24	92	101	29	29
20. CHILIPEPPER ROCKFISH	*	*	*	0	0	100	5	4	91	72	4	103	*	*	*	75	23	88
21. COPPER ROCKFISH	3	2	71	42	11	26	21	7	34	6	4	72	24	16	67	96	21	22
22. COPPER ROCKFISH	*	*	*	0	0	90	1	1	100	3	2	53	35	3	54	30	30	56
23. GREENSPOTTED ROCKFISH	*	*	*	4	1	35	37	15	40	6	3	50	4	3	72	50	15	31
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	3	2	67	4	2	49	*	*	*	4	3	46
25. OLIVE ROCKFISH	*	*	*	3	1	46	*	*	*	12	5	38	33	24	73	46	20	32
26. QUILLBACK ROCKFISH	0	0	66	1	0	47	*	*	*	*	*	*	*	*	*	1	0	39
27. ROSY ROCKFISH	0	1	165	4	2	42	3	2	62	5	3	49	28	17	61	46	17	43
28. STARRY ROCKFISH	*	*	*	2	1	43	4	3	73	6	3	43	20	13	67	32	14	44
29. VERMILION ROCKFISH	0	0	100	3	2	47	*	*	*	5	2	48	16	9	58	20	8	39
30. WIDOW ROCKFISH	0	0	*	8	2	32	1	1	100	10	7	72	1	1	108	8	8	39
31. YELLOWTAIL ROCKFISH	0	0	61	66	19	29	104	46	44	24	1	41	33	29	55	269	61	23
33. ROCKFISHES, OTHER	8	5	68	97	53	55	113	40	35	252	81	32	39	30	50	528	169	21
34. KELP GREENLING	7	3	43	18	6	35	14	5	37	2	1	53	1	1	67	41	9	21
35. LINGCOD	31	15	47	16	9	55	3	2	38	51	27	53	8	4	50	110	32	29
36. GREENLINGS, OTHER	0	0	77	11	3	28	1	1	138	*	*	*	*	*	*	13	4	28
38. CABEZON	8	5	68	9	3	36	5	2	40	3	1	41	8	4	46	33	8	23
39. PAC. STAGHORN SCULPIN	0	0	52	0	0	77	60	34	57	2	1	42	0	0	63	62	34	54
40. SCULPINS, OTHER	0	0	57	3	1	53	0	0	100	*	*	*	*	*	*	3	1	49
43. KELP BASS	*	*	*	*	*	*	1	1	100	1	1	80	1	1	78	2	1	50
44. STRIPED BASS	*	*	*	1	0	73	35	10	28	0	0	100	*	*	*	36	10	27
48. WHITE CRONKER	*	*	*	*	*	*	76	19	25	20	5	25	4	2	37	100	20	20
51. OPALYE	*	*	*	*	*	*	*	*	*	*	*	*	1	1	88	1	1	88
53. BARRED SURFPERCH	*	*	*	*	*	*	46	15	32	169	61	36	33	18	93	248	66	88
54. BLACK PERCH	*	*	*	1	1	100	35	26	74	5	4	73	0	0	100	41	26	64
55. PILE PERCH	1	0	53	0	0	100	17	10	58	4	3	62	0	0	112	23	10	46
56. REDTAIL SURFPERCH	64	52	81	4	2	54	70	31	44	0	0	100	*	*	*	138	60	44
57. RUBBERLIP SEAPERCH	*	*	*	0	0	90	55	17	31	2	1	43	0	0	100	17	17	30
58. SHINER PERCH	2	2	106	2	1	74	37	14	37	0	0	56	3	3	82	44	14	32
59. SILVER SURFPERCH	1	2	108	1	1	59	24	9	37	10	6	60	23	17	73	59	20	34
60. STRIPED SEAPERCH	6	7	110	29	11	39	7	3	44	5	3	66	0	0	154	47	14	29
61. WALLEYE SURFPERCH	5	4	71	0	0	100	70	24	34	26	10	39	4	3	62	106	26	25
62. WHITE SEAPERCH	5	3	51	2	1	68	20	6	32	6	2	33	*	*	*	33	7	22
63. SURFPERCHES, OTHER	18	37	207	11	5	44	52	25	49	32	21	67	20	19	93	132	54	46
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	0	0	92	0	0	102	0	0	91
67. PACIFIC MACKEREL	*	*	*	0	0	100	*	*	*	16	6	38	34	27	50	70	28	46
69. STARRY FLOUNDER	0	0	81	0	0	66	40	14	36	5	3	57	1	0	46	46	15	2
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	4	2	43	*	*	*	0	0	132	4	2	46
71. PACIFIC SANDDAB	*	*	*	2	3	116	11	7	58	18	9	48	15	12	76	47	16	36
72. ROCK SOLE	*	*	*	0	0	62	*	*	*	0	0	92	0	0	100	1	0	54
73. FLATFISHES, OTHER	1	1	119	0	0	66	10	3	29	33	21	63	2	1	57	46	21	46
74. SALMONIDS	1	0	51	0	0	84	32	11	35	*	*	*	*	*	*	1	1	34
75. OTHER FISH	1	1	97	5	0	8	18	7	41	1	0	40	1	0	63	216	7	29
TOTAL	2,236	904	40	1,285	399	31	1,873	343	18	1,127	156	14	893	194	22	7,415	1075	14

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	37	9	2	1,906	269	16	*	*	2,236
MENDOCINO/SONOMA (NON-BOAT MODES)	31	2	*	649	*	*	*	1	683
MENDOCINO (BOAT MODES)	*	*	*	*	126	238	*	*	365
SONOMA (BOAT MODES)	*	*	*	*	15	222	*	*	237
SAN FRANCISCO	302	49	23	229	804	467	*	*	1,873
SANTA CRUZ/MONTEREY	38	24	*	231	182	643	*	9	1,127
SAN LUIS OBISPO	44	7	*	78	273	491	*	*	895
TOTAL	452	92	24	3,090	1,669	2,077	0	10	7,415

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	1	18	*	*	*	19
02. SPINY DOGFISH	1	*	*	*	2	0	*	*	3
03. SHARK, OTHER	1	*	*	0	13	*	*	*	16
04. STURGEONS	*	*	*	*	9	11	*	*	20
05. PACIFIC HERRING	27	*	*	*	*	*	*	*	27
06. NORTHERN ANCHOVY	74	*	20	2	*	*	*	*	96
07. SURF SHELTER	*	*	*	2,376	*	*	*	*	2,376
10. PACIFIC TOMCOD	3	*	*	0	0	*	*	*	3
12. PACIFIC HAKE	*	0	*	0	0	2	*	*	3
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	64	3	2	25	319	*	*	*	414
15. BLACK ROCKFISH	1	2	*	13	188	26	*	0	230
16. BLUE ROCKFISH	1	1	*	8	237	72	*	1	971
17. BROWN ROCKFISH	12	2	*	9	94	24	*	*	141
18. BOCACCIO	9	*	*	*	1	133	*	*	143
19. CANARY ROCKFISH	*	0	*	1	40	61	*	*	101
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	75	*	*	75
21. COPPER ROCKFISH	*	0	*	2	29	29	*	*	96
22. GOPHER ROCKFISH	*	0	*	*	31	58	*	*	89
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	50	*	*	50
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	7	*	*	7
25. OLIVE ROCKFISH	*	*	*	*	16	31	*	1	48
26. QUILLBACK ROCKFISH	*	*	*	*	1	0	*	*	1
27. ROSY ROCKFISH	0	*	*	0	10	30	*	*	40
28. STARRY ROCKFISH	*	*	*	*	7	25	*	*	32
29. VERMILION ROCKFISH	*	*	*	0	9	16	*	*	25
30. WIDOW ROCKFISH	*	*	*	*	0	20	*	*	20
31. YELLOWTAIL ROCKFISH	*	*	*	1	27	24	*	*	51
33. ROCKFISHES, OTHER	9	1	*	4	146	366	*	1	528
34. KELP GREENLING	0	2	*	20	13	6	*	0	41
35. LINGCOD	1	0	*	4	59	42	*	3	110
36. GREENLINGS, OTHER	1	0	*	12	*	*	*	*	13
38. CABEZON	0	1	*	12	15	4	*	1	32
39. PAC. STAGHORN SCULPIN	15	34	*	6	7	*	*	*	62
40. SCULPINS, OTHER	0	0	*	3	*	*	*	*	3
43. KELP BASS	*	*	*	1	1	*	*	1	2
44. STRIPED BASS	0	*	*	1	22	12	*	*	36
48. WHITE CRONKER	33	7	*	6	54	*	*	*	100
51. OPAL EYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	7	8	*	232	1	0	*	*	248
54. BLACK PERCH	4	*	*	7	29	*	*	1	41
55. PILE PERCH	2	1	0	5	14	*	*	1	23
56. REDTAIL SURFPERCH	1	1	0	131	5	*	*	*	138
57. RUBBERLIP SEAPERCH	8	*	*	6	44	*	*	*	58
58. SHINER PERCH	33	1	*	8	3	*	*	*	44
59. SILVER SURFPERCH	3	0	1	49	6	*	*	*	59
60. STRIPED SEAPERCH	11	2	0	32	2	*	*	0	47
61. WALLEYE SURFPERCH	30	14	0	25	37	*	*	*	108
62. WHITE SEAPERCH	11	0	0	16	5	*	*	*	33
63. SURFPERCHES, OTHER	38	3	*	64	28	*	*	*	132
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC HACKEREL	23	0	*	*	14	33	*	*	70
69. STARRY FLOUNDER	8	3	*	1	23	12	*	*	46
70. CALIFORNIA HALIBUT	*	*	*	0	4	0	*	*	4
71. PACIFIC SANDDAB	9	*	*	0	36	1	*	*	47
72. ROCK SOLE	*	0	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	5	4	0	4	30	3	*	*	46
74. SALMONIDS	*	0	*	0	6	27	*	*	33
75. OTHER FISH	6	1	*	2	16	0	*	*	25
TOTAL	452	92	24	3,090	1,669	2,077	0	10	7,415

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	*	*	*	0	*	*	*	*	0
05. PACIFIC HERRING	8	*	*	*	*	*	*	*	*	8
06. NORTHERN ANCHOVY	*	*	*	*	2	*	*	*	*	2
07. SURF SMELT	*	*	*	*	1,822	*	*	*	*	1,822
10. PACIFIC TOMCOD	*	*	*	*	0	*	*	*	*	0
12. PACIFIC HAKE	*	0	*	*	0	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	*	*	0
14. JACKSMELT	4	0	*	*	0	2	*	*	*	7
15. BLACK ROCKFISH	1	2	*	*	8	160	12	*	*	183
16. BLUE ROCKFISH	0	1	*	*	*	26	*	*	*	27
17. BROWN ROCKFISH	*	0	*	*	0	*	*	*	*	0
19. CANARY ROCKFISH	*	0	*	*	*	20	*	*	*	20
21. COPPER ROCKFISH	*	0	*	*	*	3	*	*	*	3
26. QUILLBACK ROCKFISH	*	*	*	*	0	*	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	*	0
33. ROCKFISHES, OTHER	0	0	*	*	1	6	0	*	*	8
34. KELP GREENLING	*	2	*	*	2	2	0	*	*	7
35. LINGCOD	*	0	*	*	1	28	2	*	*	31
36. GREENLINGS, OTHER	*	0	*	*	*	*	*	*	*	0
38. CABEZON	*	0	*	*	2	5	1	*	*	8
39. PAC. STAGHORN SCULPIN	*	0	*	*	0	*	*	*	*	0
40. SCULPINS, OTHER	*	0	*	*	*	*	*	*	*	0
55. PILE PERCH	0	0	0	0	0	0	*	*	*	1
56. REDTAIL SURFPERCH	1	1	0	0	58	4	*	*	*	64
58. SHINER PERCH	1	0	*	*	*	1	*	*	*	2
59. SILVER SURFPERCH	0	0	1	0	0	0	*	*	*	1
60. STRIPED SEAPERCH	1	1	0	0	4	0	*	*	*	6
61. WALLEYE SURFPERCH	2	0	0	0	0	3	*	*	*	5
62. WHITE SEAPERCH	0	0	0	0	0	4	*	*	*	5
63. SURFPERCHES, OTHER	17	0	*	*	1	0	*	*	*	18
69. STARRY FLOUNDER	0	*	*	*	0	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	0	0	1	0	*	*	*	1
74. SALMONIDS	*	*	*	*	0	0	*	*	*	1
75. OTHER FISH	*	0	*	*	1	0	*	*	*	1
TOTAL	37	9	2	1,904	269	16	0	0	0	2,236

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	19	*	*	*	*	*	*	*	19
07. SURF SMELT	*	*	*	552	*	*	*	*	552
14. JACKSMELT	*	*	*	2	*	*	*	*	2
15. BLACK ROCKFISH	*	0	*	5	*	*	*	0	5
16. BLUE ROCKFISH	*	0	*	8	*	*	*	0	8
17. BROWN ROCKFISH	*	*	*	2	*	*	*	*	2
19. CANARY ROCKFISH	*	*	*	1	*	*	*	*	1
21. COPPER ROCKFISH	*	*	*	2	*	*	*	*	2
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	*	0
27. ROSY ROCKFISH	*	*	*	0	*	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	0	*	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	1	*	*	*	*	1
33. ROCKFISHES, OTHER	0	0	*	1	*	*	*	0	1
34. KELP GREENLING	*	0	*	16	*	*	*	0	16
35. LINGCOD	0	*	*	2	*	*	*	1	3
36. GREENLINGS, OTHER	*	0	*	11	*	*	*	*	11
38. CABEZON	0	0	*	6	*	*	*	0	6
39. PAC. STAGHORN SCULPIN	0	0	*	0	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	2	*	*	*	*	2
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFPERCH	0	0	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	2	*	*	0	*	*	*	*	2
59. SILVER SURFPERCH	0	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	7	0	*	21	*	*	*	*	28
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	*	0
62. WHITE SEAPERCH	0	0	*	2	*	*	*	*	2
63. SURFPERCHES, OTHER	1	0	*	9	*	*	*	*	11
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	0	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	*	0	*	*	*	*	*	*	0
75. OTHER FISH	*	0	*	*	*	*	*	*	0
TOTAL	31	2	0	649	0	0	0	1	683

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	14	5	*	*	19
16. BLUE ROCKFISH	*	*	*	59	193	*	*	253
18. BOCACCIO	*	*	*	*	1	*	*	1
19. CANARY ROCKFISH	*	*	*	8	6	*	*	14
21. COPPER ROCKFISH	*	*	*	9	1	*	*	10
25. OLIVE ROCKFISH	*	*	*	1	0	*	*	1
26. QUILBACK ROCKFISH	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	0	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	4	27	*	*	31
33. ROCKFISHES, OTHER	*	*	*	15	1	*	*	16
34. KELP GREENLING	*	*	*	1	*	*	*	1
35. LINGOOD	*	*	*	8	2	*	*	11
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	2	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*
63. SURPPERCHES, OTHER	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	2	*	*	*	2
72. ROCK SOLE	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	0	*	*	*	0
TOTAL	0	0	0	126	238	0	0	365

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	1	1	*	*	2
16. BLUE ROCKFISH	*	*	*	1	1	*	*	2
17. BROWN ROCKFISH	*	*	*	2	9	*	*	12
18. BOCACCIO	*	*	*	*	26	*	*	26
19. CANARY ROCKFISH	*	*	*	1	21	*	*	22
20. CHILIPEPPER ROCKFISH	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	1	29	*	*	31
23. GREENSPOTTED ROCKFISH	*	*	*	1	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	0	1	*	*	1
26. QUILBACK ROCKFISH	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	3	*	*	3
28. STARRY ROCKFISH	*	*	*	*	2	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	3	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	7	*	*	7
31. YELLOWTAIL ROCKFISH	*	*	*	*	34	*	*	34
33. ROCKFISHES, OTHER	*	*	*	1	79	*	*	80
34. KELP GREENLING	*	*	*	*	1	*	*	1
35. LINGOOD	*	*	*	2	1	*	*	3
38. CABEZON	*	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	0
54. BLACK PERCH	*	*	*	1	*	*	*	1
69. STARRY FLUNDER	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	4	*	*	*	4
TOTAL	0	0	0	15	222	0	0	237

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	1	18	*	*	19
02. SPINY DOGFISH	1	*	*	*	0	0	*	1
03. SHARK, OTHER	1	*	*	*	12	*	*	13
04. STURGEONS	*	*	*	*	9	11	*	20
05. NORTHERN ANCHOVY	74	*	20	*	*	*	*	94
07. SURF SMELT	*	*	*	2	*	*	*	2
10. PACIFIC TOMCOD	3	*	*	*	*	*	*	3
14. JACKSMELT	50	3	2	21	316	*	*	392
15. BLACK ROCKFISH	*	*	*	*	8	5	*	13
16. BLUE ROCKFISH	*	*	*	*	10	102	*	113
17. BROWN ROCKFISH	12	1	*	7	76	3	*	100
18. BOCCACCIO	*	*	*	*	*	61	*	61
19. CANARY ROCKFISH	*	*	*	*	*	11	*	11
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	5	*	5
21. COPPER ROCKFISH	*	*	*	*	2	19	*	21
22. GOPHER ROCKFISH	*	*	*	*	*	1	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	37	*	37
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	3
27. ROSY ROCKFISH	*	*	*	*	*	3	*	3
28. STARRY ROCKFISH	*	*	*	*	*	4	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	104	*	104
33. ROCKFISHES, OTHER	5	1	*	1	70	36	*	113
34. KELP GREENLING	0	*	*	2	7	4	*	14
35. LINGCOD	1	*	*	0	1	1	*	3
36. GREENLINGS, OTHER	1	*	*	0	*	*	*	1
38. CABEZON	*	*	*	2	2	1	*	5
39. PAC. STAGHORN SCULPIN	15	33	*	4	7	*	*	60
40. SCULPINS, OTHER	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	*	1	*	*	1
44. STRIPED BASS	0	*	*	1	22	12	*	35
48. WHITE CROAKER	27	6	*	2	41	*	*	76
53. BARRED SURFPERCH	1	1	*	43	1	*	*	46
54. BLACK PERCH	3	*	*	3	28	*	*	36
55. PILE PERCH	1	*	*	2	14	*	*	17
56. REDTAIL SURFPERCH	0	*	*	69	1	*	*	70
57. RUBBERLIP SEAPERCH	6	*	*	5	44	*	*	55
58. SHINER PERCH	26	1	*	7	2	*	*	37
59. SILVER SURFPERCH	2	*	*	15	6	*	*	24
60. STRIPED SEAPERCH	2	1	*	3	1	*	*	7
61. WALLEYE SURFPERCH	24	*	*	12	34	*	*	70
62. WHITE SEAPERCH	8	*	*	11	1	*	*	20
63. SURFPERCHES, OTHER	13	*	*	11	27	*	*	52
69. STARRY FLOUNDER	6	*	*	1	22	12	*	40
70. CALIFORNIA HALIBUT	*	*	*	*	4	0	*	4
71. PACIFIC SANDDAB	9	*	*	0	2	*	*	11
73. FLATFISHES, OTHER	3	1	*	1	1	3	*	10
74. SALMONIDS	*	*	*	*	5	27	*	32
75. OTHER FISH	6	1	*	1	10	*	*	18
TOTAL	302	49	23	229	804	467	0	1,873

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY HOOK & LINE	BANK	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	1	*	*	*	*	1
02. SPINY DOGFISH	*	*	*	*	*	0	*	*	0
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
04. STURGEONS	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	2	*	*	*	*	2
10. PACIFIC TOMCOD	1	*	*	*	*	*	*	*	1
14. JACKSMELT	*	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	4	5	*	*	9
16. BLUE ROCKFISH	*	*	*	*	7	102	*	*	110
17. BROWN ROCKFISH	*	*	*	*	2	3	*	*	6
18. BOCACCIO	*	*	*	*	*	61	*	*	61
19. CANARY ROCKFISH	*	*	*	*	*	11	*	*	11
20. CHILIPPPER ROCKFISH	*	*	*	*	*	5	*	*	5
21. COPPER ROCKFISH	*	*	*	*	1	18	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	37	*	*	37
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	3	*	*	3
28. STARRY ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	104	*	*	104
33. ROCKFISHES, OTHER	*	1	*	*	42	36	*	*	78
34. KELP GREENLING	*	*	*	1	2	4	*	*	7
35. LINGCOD	*	*	*	*	1	1	*	*	2
36. GREENLINGS, OTHER	1	*	*	0	*	*	*	*	1
38. CABEZON	*	*	*	1	1	1	*	*	2
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	*	*	*	*	*	1	*	*	1
48. WHITE CROAKER	4	4	*	*	15	*	*	*	24
53. BARRED SURFPERCH	1	*	*	32	*	*	*	*	32
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	1	*	*	*	1
56. REDTAIL SURFPERCH	0	*	*	56	*	*	*	*	57
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFPERCH	1	*	*	13	*	*	*	*	14
60. STRIPED SEAPERCH	0	1	*	3	1	*	*	*	5
61. WALLEYE SURFPERCH	2	*	*	1	2	*	*	*	5
62. WHITE SEAPERCH	2	*	*	5	*	*	*	*	7
63. SURFPERCHES, OTHER	0	*	*	4	*	*	*	*	4
69. STARRY FLOUNDER	*	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	*	0	*	*	0
71. PACIFIC SANDOAB	*	*	*	0	2	*	*	*	2
73. FLATFISHES, OTHER	1	*	*	1	*	1	*	*	3
74. SALMONIDS	*	*	*	*	4	26	*	*	31
75. OTHER FISH	*	*	*	0	1	*	*	*	1
TOTAL	16	5	0	120	88	430	0	0	659

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	0	18	*	*	*	*	18
02. SPINY DOGFISH	1	*	*	*	0	*	*	*	*	1
03. SHARK, OTHER	1	*	*	*	12	*	*	*	*	13
04. STURGEONS	*	*	*	*	9	11	*	*	*	20
06. NORTHERN ANCHOVY	74	*	20	*	*	*	*	*	*	94
10. PACIFIC TOMCOD	2	*	*	*	*	*	*	*	*	2
14. JACKSMELT	50	3	2	21	315	*	*	*	*	390
15. BLACK ROCKFISH	*	*	*	*	4	0	*	*	*	4
16. BLUE ROCKFISH	*	*	*	*	3	*	*	*	*	3
17. BROWN ROCKFISH	12	1	*	7	75	*	*	*	*	94
21. COPPER ROCKFISH	*	*	*	*	1	0	*	*	*	1
33. ROCKFISHES, OTHER	5	*	*	1	29	*	*	*	*	35
34. KELP GREENLING	0	*	*	1	5	0	*	*	*	7
35. LINGCOD	1	*	*	0	*	*	*	*	*	1
38. CABEZON	*	*	*	1	1	*	*	*	*	3
39. PAC. STAGHORN SCULPIN	15	33	*	4	7	*	*	*	*	60
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	*	0
44. STRIPED BASS	0	*	*	1	22	11	*	*	*	33
48. WHITE CROAKER	23	2	*	2	25	*	*	*	*	53
53. BARRED SURFFERCH	1	1	*	11	1	*	*	*	*	13
54. BLACK PERCH	3	*	*	3	28	*	*	*	*	34
55. PILE PERCH	1	*	*	2	13	*	*	*	*	17
56. REDTAIL SURFFERCH	*	*	*	13	1	*	*	*	*	14
57. RUBBERLIP SEAPERCH	6	*	*	5	44	*	*	*	*	55
58. SHINER PERCH	25	1	*	7	2	*	*	*	*	36
59. SILVER SURFFERCH	1	*	*	2	6	*	*	*	*	9
60. STRIPED SEAPERCH	2	*	*	0	*	*	*	*	*	2
61. WALLEYE SURFFERCH	22	*	*	12	32	*	*	*	*	66
62. WHITE SEAPERCH	6	*	*	6	1	*	*	*	*	13
63. SURFFERCHES, OTHER	13	*	*	8	27	*	*	*	*	48
69. STARRY FLOUNDER	6	*	*	1	22	11	*	*	*	40
70. CALIFORNIA HALIBUT	*	*	*	*	4	*	*	*	*	4
71. PACIFIC SANDDAB	9	*	*	*	*	*	*	*	*	9
73. FLATFISHES, OTHER	2	1	*	*	1	2	*	*	*	7
74. SALMONIDS	*	*	*	*	1	0	*	*	*	1
75. OTHER FISH	6	1	*	1	10	*	*	*	*	17
TOTAL	286	43	23	110	716	37	0	0	0	1,214

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	*	*	0	0	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	0	2	*	*	3
14. JACKSMELT	4	0	*	3	0	*	*	*	7
16. BLUE ROCKFISH	1	*	*	0	36	185	*	1	222
17. BROWN ROCKFISH	*	*	*	0	4	0	*	*	4
18. BOCACCIO	*	*	*	*	0	45	*	*	45
19. CANARY ROCKFISH	*	*	*	*	5	3	*	*	8
20. CHILTIPEPPER ROCKFISH	*	*	*	*	*	70	*	*	70
21. COPPER ROCKFISH	*	*	*	0	5	0	*	*	6
22. COPPER ROCKFISH	*	*	*	*	3	*	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	6	*	*	6
24. GREENSTRIPED ROCKFISH	*	*	*	*	5	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	*	5	6	*	1	12
27. ROSY ROCKFISH	0	*	*	*	2	3	*	*	5
28. STARRY ROCKFISH	*	*	*	*	4	4	*	*	6
29. VERMILION ROCKFISH	*	*	*	*	0	2	*	*	5
30. WIDOW ROCKFISH	*	*	*	*	0	10	*	*	10
31. YELLOWTAIL ROCKFISH	*	*	*	*	10	35	*	*	46
33. ROCKFISHES, OTHER	4	0	*	*	23	22	*	1	252
34. KELP GREENLING	*	0	*	0	1	*	*	*	2
35. LINGCOD	*	*	*	1	15	33	*	2	51
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	0	*	*	2	*	*	1	3
39. PAC. STAGHORN SCULPIN	0	0	*	2	*	*	*	*	2
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	*	*	*	1	1
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CRONKER	6	0	*	4	10	*	*	*	20
53. BARRED SURFPERCH	5	0	*	16	0	0	*	*	169
54. BLACK PERCH	0	*	*	3	0	*	*	1	5
55. PILE PERCH	*	1	*	2	*	*	*	1	4
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERTAIL SEAPERCH	1	*	*	0	0	*	*	*	2
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	0	*	9	*	*	*	*	10
60. STRIPED SEAPERCH	1	*	*	3	1	*	*	0	5
61. WALLEYE SURFPERCH	4	14	*	9	*	*	*	*	26
62. WHITE SEAPERCH	2	0	*	3	*	*	*	*	6
63. SURFPERCHES, OTHER	6	3	*	23	0	*	*	*	32
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	2	0	*	*	6	10	*	*	16
69. STARRY FLOUNDER	2	3	*	0	*	*	*	*	5
71. PACIFIC SANDDAB	*	*	*	*	17	1	*	*	18
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	2	3	*	3	25	0	*	*	33
75. OTHER FISH	*	0	*	*	0	0	*	*	1
TOTAL	38	24	0	231	182	643	0	9	1,127

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	*	*	*	*	1	*	*	*	7
14. JACKSMILT	5	*	*	0	5	3	*	*	8
15. BLACK ROCKFISH	*	*	*	*	104	262	*	*	346
16. BLUE ROCKFISH	*	*	*	*					
17. BROWN ROCKFISH	0	*	*	*	12	11	*	*	22
18. BOCACIO	9	*	*	*	0	2	*	*	11
19. CANARY ROCKFISH	*	*	*	*	6	20	*	*	26
21. COPPER ROCKFISH	*	*	*	*	8	18	*	*	26
22. GOPHER ROCKFISH	*	*	*	*	27	25	*	*	55
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	4	*	*	4
25. OLIVE ROCKFISH	*	*	*	*	9	24	*	*	33
27. ROSE ROCKFISH	*	*	*	*	7	21	*	*	28
28. STARRY ROCKFISH	*	*	*	*	5	15	*	*	20
29. VERMILION ROCKFISH	*	*	*	*	5	11	*	*	16
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	12	40	*	*	52
33. ROCKFISHES, OTHER	*	*	*	2	30	26	*	*	59
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	0	*	*	*	5	3	*	*	8
38. CABEZON	*	*	*	*	2	2	*	*	8
39. PAC. STAGHORN SCULPIN	0	*	*	0	0	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	1
43. KELP BASS	*	*	*	1	3	*	*	*	4
48. WHITE CRONKER	1	*	*	*	3	*	*	*	4
51. OPALEYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	1	7	*	2	*	*	*	*	13
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	0	*	*	*	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	3	*	*	0	*	*	*	*	3
59. SILVER SURFPERCH	0	*	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	0	*	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	1	*	*	3	*	*	*	*	4
63. SURFPERCHES, OTHER	1	*	*	19	*	*	*	*	20
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	23	*	*	*	8	23	*	*	54
69. STARRY FLOUNDER	0	*	*	0	0	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	0	15	0	*	*	15
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	0	*	*	0	2	*	*	*	2
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	0	*	*	0	0	*	*	*	1
TOTAL	44	7	0	78	273	491	0	0	893

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1981--DEC 1981.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	0	0	100	*	*	*	18	10	58	*	*	*	*	*	*	18	10	58
02. SPINY DOGFISH	*	*	*	*	*	*	1	1	59	0	0	96	1	0	67	2	1	44
03. SHARK, OTHER	0	0	100	*	*	*	8	3	42	0	0	100	*	*	*	8	3	40
04. STURGEONS	*	*	*	*	*	*	20	9	45	*	*	*	*	*	*	20	9	45
05. PACIFIC HERRING	8	13	155	19	17	91	*	*	*	*	*	*	*	*	27	21	79	
06. NORTHERN ANCHOVY	*	*	*	*	*	*	79	46	59	*	*	*	*	*	*	79	46	59
07. SURF SMELT	1,792	890	50	549	379	69	2	2	100	*	*	*	*	*	2,343	967	41	
10. PACIFIC TOMCOD	0	0	100	*	*	*	3	2	64	*	*	*	*	*	3	2	64	
12. PACIFIC HAKE	0	0	90	*	*	*	*	*	*	1	1	86	*	*	*	1	1	68
13. SILVERSIDES	0	0	100	*	*	*	*	*	*	*	*	*	*	*	0	0	100	
14. JACKSMELT	7	7	106	2	1	79	373	307	82	7	5	65	4	3	92	392	307	78
15. BLACK ROCKFISH	172	138	80	29	11	44	13	5	42	*	*	*	8	6	75	218	139	64
16. BLUE ROCKFISH	25	14	55	29	107	41	112	96	86	149	68	46	341	175	51	886	237	27
17. BROWN ROCKFISH	0	0	71	14	5	33	98	39	39	4	4	44	22	15	66	139	42	30
18. BOCACCIO	*	*	*	25	8	33	61	23	38	45	36	80	6	81	50	138	44	32
19. CANARY ROCKFISH	20	13	65	37	8	23	11	5	43	8	4	54	26	26	92	101	29	29
20. CHILLIPEPPER ROCKFISH	*	*	*	0	0	100	5	4	91	69	72	104	*	*	*	74	97	97
21. COPPER ROCKFISH	3	2	76	42	11	26	16	7	44	6	4	72	24	16	67	91	21	23
22. GOPHER ROCKFISH	*	*	*	0	0	90	1	1	100	3	2	59	35	30	54	60	30	50
23. GREENSPOTTED ROCKFISH	*	*	*	4	1	35	37	15	40	6	3	50	4	3	72	50	15	31
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	3	2	67	4	2	49	*	*	*	7	3	40
25. OLIVE ROCKFISH	*	*	*	3	1	46	*	*	*	12	5	38	33	26	73	48	20	52
26. QUILBACK ROCKFISH	0	0	66	1	0	47	*	*	*	*	*	*	*	*	*	1	0	0
27. ROSY ROCKFISH	0	1	165	4	2	42	3	2	62	5	3	49	27	17	63	39	17	44
28. STARRY ROCKFISH	*	*	*	2	1	43	4	3	73	6	3	43	20	13	67	32	14	44
29. VERMILION ROCKFISH	0	0	100	3	2	47	*	*	*	5	2	48	16	9	58	23	10	39
30. WIDOW ROCKFISH	*	*	*	8	2	32	1	1	100	10	7	72	1	1	100	21	8	39
31. YELLOWTAIL ROCKFISH	0	0	61	66	19	29	104	46	44	38	19	48	53	29	56	261	66	23
33. ROCKFISHES, OTHER	4	2	51	85	52	61	7	3	38	24	8	33	22	30	30	142	53	37
34. Kelp GREENLING	6	3	45	18	6	36	14	5	37	2	1	56	1	1	67	40	9	22
35. LINGCOD	31	15	47	15	9	57	3	1	38	49	27	55	8	4	51	107	32	30
36. GREENLINGS, OTHER	0	0	84	10	3	32	0	0	84	*	*	*	8	4	51	10	3	24
38. CABEZON	8	5	68	9	3	36	5	2	43	3	1	43	7	4	48	32	8	28
39. PAC. STAGHORN SCULPIN	*	*	*	0	0	77	38	34	89	1	1	70	0	0	77	39	34	86
40. SCULPINS, OTHER	0	0	57	2	1	70	0	0	100	*	*	*	*	*	*	2	1	63
43. Kelp BASS	*	*	*	*	*	*	1	1	100	1	1	80	1	1	78	2	1	50
44. STRIPED BASS	*	*	*	1	0	73	34	10	29	0	0	100	*	*	*	34	10	28
48. WHITE CRONKER	*	*	*	*	*	*	68	18	27	11	4	37	4	2	40	85	19	23
51. OPALEYE	*	*	*	*	*	*	46	15	32	157	61	39	1	1	88	1	1	88
53. BARRED SURFPERCH	*	*	*	*	*	*	46	15	32	157	61	39	29	18	62	231	66	28
54. BLACK PERCH	*	*	*	1	1	100	34	26	75	5	4	73	0	0	100	40	26	64
55. PILE PERCH	1	0	53	0	0	100	17	10	58	3	2	72	0	0	100	21	14	30
56. REDTAIL SURFPERCH	59	52	87	4	2	54	70	31	44	0	0	100	*	*	*	134	60	45
57. RUBBERLIP SEAPERCH	*	*	*	0	0	90	41	16	40	2	1	47	0	0	100	43	16	38
58. SHINER PERCH	2	2	106	2	1	74	31	13	43	*	*	*	3	3	85	38	14	36
59. SILVER SURFPERCH	1	2	108	1	1	59	24	9	37	10	6	60	20	17	86	56	20	36
60. STRIPED SEAPERCH	6	7	110	27	11	41	7	3	44	5	3	66	0	0	170	45	14	30
61. WALLEYE SURFPERCH	5	4	74	0	0	100	65	24	36	26	10	39	4	3	68	100	26	26
62. WHITE SEAPERCH	5	3	52	2	1	68	19	6	34	4	1	37	*	*	*	29	7	24
63. SURFPERCHES, OTHER	0	0	104	9	5	53	41	20	61	5	3	49	20	19	95	75	32	42
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	*	*	*	0	0	123	0	0	123
67. PACIFIC MACKEREL	*	*	*	0	0	100	*	*	*	*	*	*	0	0	64	45	23	32
69. STARRY FLUNDER	0	0	81	0	0	66	40	14	36	5	3	58	36	23	50	46	15	40
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	4	2	43	*	*	*	0	0	132	4	2	40
71. PACIFIC SANDDAB	*	*	*	2	3	124	9	6	68	11	8	70	15	12	77	37	16	42
72. ROCK SOLE	*	*	*	0	0	62	*	*	*	*	*	*	0	0	100	1	0	60
73. FLATFISHES, OTHER	1	1	119	0	0	66	6	2	39	6	2	33	0	1	57	16	4	23
74. SALMONIDS	1	0	51	0	0	84	32	11	35	*	*	*	*	*	*	33	11	34
75. OTHER FISH	1	1	97	0	0	73	13	7	56	0	0	52	0	0	69	15	7	49
TOTAL	2,163	902	42	1,254	398	32	1,638	341	21	719	128	18	814	191	23	6,588	1068	16

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	SAN FRANCISCO OCEAN	BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	*	*	2	35	2	*	39
03. SHARK, OTHER	3	0	4	187	1	1	197
04. STURGEONS	*	*	2	35	*	*	36
05. PACIFIC HERRING	*	1	*	*	*	*	1
06. NORTHERN ANCHOVY	*	*	*	34	*	*	34
07. SURF SMELT	0	*	*	*	*	*	0
10. PACIFIC TOMCOD	*	*	8	1	*	*	9
14. JACKSMELT	0	*	0	2	0	1	4
15. BLACK ROCKFISH	7	*	*	*	*	*	7
16. BLUE ROCKFISH	0	0	2	*	9	40	52
17. BROWN ROCKFISH	0	*	*	32	0	*	32
18. BOUACCIO	*	*	*	*	*	1	1
19. CANARY ROCKFISH	0	*	*	*	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	*	1
21. COPPER ROCKFISH	0	*	*	*	*	0	0
22. GOPHER ROCKFISH	*	0	*	*	*	1	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	*	0	0
27. ROSY ROCKFISH	0	*	*	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	0
33. ROCKFISHES, OTHER	6	2	15	25	68	12	129
34. KELP GREENLING	2	0	*	*	*	*	2
35. LINGCOD	2	1	*	0	3	3	9
36. GREENLING, OTHER	0	3	*	*	1	*	4
38. CABEZON	1	1	1	0	0	1	4
39. PAC. STAGHORN SCULPIN	0	1	9	297	8	14	329
40. SCULPINS, OTHER	1	1	*	*	0	0	2
43. KELP BASS	*	0	*	*	*	*	0
44. STRIPED BASS	*	2	*	51	*	*	53
48. WHITE CRONKER	*	0	*	18	23	1	43
53. BARRED SURFPERCH	*	*	*	*	6	1	8
55. PILE PERCH	*	*	*	0	*	*	0
56. REDTAIL SURFPERCH	5	0	1	*	*	*	6
57. RUBBERLIP SEAPERCH	*	*	*	5	*	*	5
58. SHINER PERCH	*	2	*	21	9	9	42
59. SILVER SURFPERCH	1	0	*	*	2	21	24
60. STRIPED SEAPERCH	1	0	6	1	*	*	8
61. WALLEYE SURFPERCH	0	0	*	2	2	0	4
62. WHITE SEAPERCH	0	*	0	*	0	*	1
63. SURFPERCHES, OTHER	5	1	20	31	41	5	102
65. PACIFIC BARRACUDA	*	*	*	*	*	0	0
66. PACIFIC BONITO	*	*	*	*	*	0	0
67. PACIFIC MACKEREL	*	1	*	*	3	28	32
69. STARRY FLOUNDER	0	*	*	6	0	*	6
70. CALIFORNIA HALIBUT	*	*	*	*	*	1	1
71. PACIFIC SANDDAB	*	0	*	*	0	0	0
72. ROCK SOLE	*	0	*	*	*	*	0
73. FLATFISHES, OTHER	1	0	1	4	2	*	8
74. SALMONIDS	25	4	7	*	*	1	34
75. OTHER FISH	0	2	27	47	2	0	78
TOTAL	58	24	104	836	184	143	1,348

TABLE 27. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	3	4	5	7	38	0	*	58
MENDOCINO/SONOMA (NON-BOAT MODES)	9	1	*	6	*	*	0	16
MENDOCINO (BOAT MODES)	*	*	*	*	4	*	*	4
SONOMA (BOAT MODES)	*	*	*	*	3	1	*	4
SAN FRANCISCO	125	14	35	91	550	125	*	940
SANTA CRUZ/MONTEREY	45	11	*	33	32	62	1	184
SAN LUIS OBISPO	18	0	*	45	8	72	*	143
TOTAL	201	31	39	182	635	260	0	1,348

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1981--DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	2	29	*	*	*	39
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	6	1	3	2	18	2	*	*	197
04. STURGEONS	0	*	*	*	30	6	*	*	36
05. PACIFIC HERRING	1	0	*	*	*	*	*	*	1
06. NORTHERN ANCHOVY	*	*	34	*	*	*	*	*	34
07. SURF SMELT	*	*	*	0	*	1	*	*	0
10. PACIFIC TOMCOD	8	*	*	*	*	1	*	*	9
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	2	0	*	0	2	*	*	*	4
15. BLACK ROCKFISH	*	2	*	0	4	*	*	*	7
16. BLUE ROCKFISH	*	0	*	*	5	47	*	*	52
17. BROWN ROCKFISH	3	1	*	0	28	*	*	*	32
18. BOCACCO	1	*	*	*	*	*	*	*	1
19. CANARY ROCKFISH	*	0	*	*	*	1	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	0	0	*	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	0	*	1	0	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	0	*	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	7	1	*	5	44	73	*	*	129
34. KELP GREENLING	0	1	*	1	0	*	*	*	2
35. LINGCOD	*	0	*	1	4	3	*	*	9
36. GREENLINGS, OTHER	*	0	*	3	0	*	*	1	4
38. CABEZON	*	0	*	3	1	*	*	*	4
39. PAC. STAGHORN SCULPIN	72	8	*	53	130	66	*	*	329
40. SCULPINS, OTHER	0	0	*	1	0	*	*	*	2
43. KELP BASS	*	0	*	*	*	*	*	*	0
44. STRIPED BASS	1	*	*	3	40	9	*	*	53
48. WHITE CRONKER	16	*	*	0	24	2	*	*	43
51. OPALLEY	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	7	*	*	*	*	8
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFPERCH	0	0	*	5	0	*	*	*	6
57. RUBBERLIP SEAPERCH	2	*	*	1	2	*	*	*	5
58. SHINER PERCH	25	3	0	7	6	*	*	*	42
59. SILVER SURFPERCH	0	0	0	23	*	*	*	*	24
60. STRIPED SEAPERCH	0	6	*	1	0	*	*	*	8
61. WALLEYE SURFPERCH	1	2	*	0	2	*	*	*	4
62. WHITE SEAPERCH	0	*	*	0	*	*	*	*	1
63. SURFPERCHES, OTHER	27	2	2	55	18	*	*	*	102
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	6	*	*	0	4	22	*	*	32
69. STARRY FLOUNDER	*	0	*	*	5	1	*	*	6
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	0	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	3	1	*	1	1	3	*	*	8
74. SALMONIDS	4	*	*	1	23	7	*	*	34
75. OTHER FISH	7	1	*	6	47	17	*	*	78
TOTAL	201	31	39	182	635	260	0	1	1,348

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
17. BROWN ROCKFISH	*	0	*	0	*	*	*	*	0
19. CANARY ROCKFISH	*	0	*	*	*	*	*	*	0
21. COPPER ROCKFISH	*	0	*	*	*	*	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	0	0	*	*	6	*	*	*	6
34. KELP GREENLING	0	1	*	1	0	*	*	*	2
35. LINGCOD	*	*	*	0	2	*	*	*	2
36. GREENLINGS, OTHER	*	0	*	*	*	*	*	*	0
38. CABEZON	*	0	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	*	0	*	0	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	0	0	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURPPERCH	0	0	*	4	0	*	*	*	5
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURPPERCH	*	0	0	1	*	*	*	*	1
60. STRIPED SEAPERCH	0	0	*	0	*	*	*	*	1
61. WALLEYE SURPPERCH	0	0	*	*	0	*	*	*	0
62. WHITE SEAPERCH	0	*	*	0	*	*	*	*	0
63. SURPPERCHES, OTHER	1	0	2	*	2	*	*	*	5
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	1	0	*	0	*	*	*	*	1
74. SALMONIDS	*	*	*	0	23	*	*	*	23
75. OTHER FISH	*	0	*	*	0	*	*	*	0
TOTAL	3	4	5	7	38	0	0	0	58

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1981--DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	0	0	*	*	*	*	*	*	0
05. PACIFIC HERRING	1	0	*	*	*	*	*	*	1
07. SURF SMELT	*	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	0	*	*	*	*	*	*	0
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGCOD	*	0	*	0	*	*	*	*	0
36. GREENLINGS, OTHER	*	*	*	3	*	*	*	*	3
38. CABEZON	*	0	*	0	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
40. SCULPIN, OTHER	0	0	*	0	*	*	*	*	1
43. KELP BASS	*	0	*	*	*	*	*	*	0
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURPPERCH	*	0	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	2	*	*	0	*	*	*	*	2
59. SILVER SURPPERCH	*	*	*	0	*	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	0
61. WALLEYE SURPPERCH	0	*	*	0	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURPPERCHES, OTHER	1	0	*	*	*	*	*	*	1
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	4	*	*	0	*	*	*	*	4
75. OTHER FISH	1	*	*	0	*	*	*	*	2
TOTAL	9	1	0	6	0	0	0	0	16

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	0	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	0
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	1	*	*	*	1
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	0	*	*	*	0
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURPPERCHES, OTHER	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	4	0	0	0	4

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	*	1	*	*	1
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	2	*	*	*	2
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	3	1	0	0	4

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	2	28	*	*	*	37
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	6	1	*	1	183	1	*	*	191
04. STURGEONS	0	*	*	*	30	6	*	*	36
06. NORTHERN ANCHOVY	*	*	34	*	*	*	*	*	34
07. SURF SMELT	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	8	*	*	*	*	1	*	*	9
14. JACKSMELT	1	*	*	*	1	*	*	*	3
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	1	1	*	*	2
17. BROWN ROCKFISH	3	1	*	0	28	*	*	*	32
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
26. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	6	1	*	4	19	11	*	*	41
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	0	*	0	*	*	*	*	0
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	66	4	*	41	128	66	*	*	305
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	1	*	*	3	38	9	*	*	51
48. WHITE CROAKER	*	*	*	*	16	2	*	*	18
53. BARRED SURFFERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFFERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	2	*	*	1	2	*	*	*	5
58. SHINER PERCH	10	1	0	3	6	*	*	*	21
59. SILVER SURFFERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	6	*	1	*	*	*	*	7
61. WALLEYE SURFFERCH	*	*	*	*	2	*	*	*	2
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFFERCHES, OTHER	6	*	*	29	16	*	*	*	51
69. STARRY FLOUNDER	*	*	*	*	5	1	*	*	6
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	*	*	1	0	3	*	*	5
74. SALMONIDS	*	*	*	*	*	7	*	*	7
75. OTHER FISH	6	1	*	5	46	17	*	*	74
TOTAL	125	14	35	91	550	125	0	0	940

TABLE 34. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	OPFV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	2	*	*	*	*	2
02. SPINY DOGFISH	*	*	*	*	2	*	*	*	*	*
03. SHARK, OTHER	*	1	*	*	2	1	*	*	*	4
04. STURGEONS	*	*	*	*	2	*	*	*	*	2
07. SURF SMELT	*	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	8	*	*	*	*	*	*	*	*	8
14. JACKSMELT	0	*	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	1	1	*	*	*	2
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	1	*	2	2	11	*	*	*	15
34. KELP GREENLING	*	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	*	*	*	*	*	*
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	1	*	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	2	4	*	2	1	*	*	*	*	9
43. KELP BASS	*	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	*	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	*	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	6	*	*	*	*	*	*	*	6
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	1	*	*	18	1	*	*	*	*	20
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDOAB	*	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	1	*	*	*	*	*	1
74. SALMONIDS	*	*	*	*	*	7	*	*	*	7
75. OTHER FISH	1	1	*	*	2	6	*	*	*	27
TOTAL	13	12	0	24	29	26	0	0	0	104

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1981---DEC 1981.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	8	*	*	2	26	*	*	*	35
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	6	*	*	1	181	*	*	*	187
04. STURGEONS	0	*	*	*	29	6	*	*	35
06. NORTHERN ANCHOVY	*	*	34	*	*	*	*	*	34
10. PACIFIC TOMCOD	*	*	*	*	*	1	*	*	1
14. JACKSMELT	1	*	*	*	1	*	*	*	2
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	0	*	*	*	*	*
17. BROWN ROCKFISH	3	1	*	0	28	*	*	*	32
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	6	*	*	2	17	*	*	*	25
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	0	*	0	*	*	*	*	0
38. CABEZON	*	*	*	0	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	64	*	*	39	127	66	*	*	297
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	1	*	*	3	38	9	*	*	51
48. WHITE CROAKER	*	*	*	*	16	2	*	*	18
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	2	*	*	1	2	*	*	*	5
58. SHINER PERCH	10	1	0	3	6	*	*	*	21
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	1	*	*	*	*	1
61. WALLEYE SURFPERCH	*	*	*	*	2	*	*	*	2
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	5	*	*	11	15	*	*	*	31
69. STARRY FLOUNDER	*	*	*	*	5	1	*	*	6
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	*	*	*	0	3	*	*	4
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	5	*	*	5	26	11	*	*	47
TOTAL	112	2	35	67	521	99	0	0	836

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	1	*	*	*	2
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	*	*	0	0	0	*	*	1
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
14. JACKSMELT	*	0	*	*	*	*	*	*	0
16. BLUE ROCKFISH	*	*	*	*	3	7	*	*	9
17. BROWN ROCKFISH	0	*	*	*	*	*	*	*	0
18. BOCCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	*	0	*	1	17	50	*	*	68
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	1	2	*	*	3
36. GREENLING, OTHER	*	*	*	*	*	*	*	1	1
38. CABEZON	*	*	*	0	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	3	4	*	1	*	*	*	*	8
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	15	*	*	0	8	*	*	*	23
53. BARRED SURFPERCH	*	*	*	6	*	*	*	*	6
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	7	2	*	*	*	*	*	*	9
59. SILVER SURFPERCH	*	*	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	2	*	*	*	*	*	*	2
62. WHITE SEAPERCH	*	*	*	0	*	*	*	*	0
63. SURFPERCHES, OTHER	18	1	*	22	*	*	*	*	41
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	1	2	*	*	3
69. STARRY FLOUNDER	*	*	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	1	*	*	*	*	*	*	2
75. OTHER FISH	*	0	*	*	1	1	*	*	2
TOTAL	45	11	0	33	32	62	0	1	186

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	0	*	*	1	0	*	*	*	1
14. JACKSMILT	1	*	*	0	0	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	2	39	*	*	40
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	1	*	*	*	*	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	0	*	*	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	1	0	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	*	*	*	0	0	12	*	*	12
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	1	1	*	*	3
38. CABEZON	*	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	2	*	*	11	1	*	*	*	14
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	1	*	*	*	0	*	*	*	1
51. OPALLEY	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	1	*	*	*	*	1
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	5	*	*	4	*	*	*	*	9
59. SILVER SURFPERCH	0	*	*	21	*	*	*	*	21
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	0	*	*	*	*	0
63. SURFPERCHES, OTHER	1	*	*	4	*	*	*	*	5
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	6	*	*	*	1	20	*	*	28
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	0	*	*	*	*	*	*	*	0
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	0	*	*	*	*	*	*	*	0
TOTAL	18	0	0	45	8	72	0	0	143

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

WAVE	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	16	0	2	19
	MENDOCINO/SONOMA	71	2	4	77
	S. F. OCEAN	95	5	23	123
	S. F. BAY	71	5	198	269
	SANTA CRUZ/MONTEREY	151	23	44	216
	SAN LUIS OBISPO	131	19	42	195
	TOTAL	535	53	308	896
MAR/APR	DEL NORTE/HUMBOLDT	8	0	2	10
	MENDOCINO/SONOMA	373	*	3	376
	S. F. OCEAN	78	20	6	104
	S. F. BAY	518	20	115	653
	SANTA CRUZ/MONTEREY	53	60	11	124
	SAN LUIS OBISPO	102	9	0	112
	TOTAL	1,131	110	136	1,377
MAY/JUN	DEL NORTE/HUMBOLDT	269	43	11	323
	MENDOCINO/SONOMA	318	3	6	327
	S. F. OCEAN	67	16	29	111
	S. F. BAY	177	19	269	466
	SANTA CRUZ/MONTEREY	155	86	46	287
	SAN LUIS OBISPO	134	7	3	144
	TOTAL	1,121	173	364	1,658
JUL/AUG	DEL NORTE/HUMBOLDT	1,476	12	13	1,501
	MENDOCINO/SONOMA	205	13	8	225
	S. F. OCEAN	54	6	4	64
	S. F. BAY	153	16	102	271
	SANTA CRUZ/MONTEREY	34	131	36	201
	SAN LUIS OBISPO	156	23	47	227
	TOTAL	2,077	201	210	2,488
SEP/OCT	DEL NORTE/HUMBOLDT	330	1	4	335
	MENDOCINO/SONOMA	235	13	3	251
	S. F. OCEAN	211	3	9	223
	S. F. BAY	98	35	47	180
	SANTA CRUZ/MONTEREY	59	35	7	100
	SAN LUIS OBISPO	236	18	47	301
	TOTAL	1,169	123	116	1,408
NOV/DEC	DEL NORTE/HUMBOLDT	64	17	26	106
	MENDOCINO/SONOMA	52	*	1	53
	S. F. OCEAN	63	41	33	138
	S. F. BAY	53	32	110	195
	SANTA CRUZ/MONTEREY	267	74	42	383
	SAN LUIS OBISPO	54	3	3	60
	TOTAL	554	167	214	936
GRAND TOTAL		6,588	826	1,348	8,763

TABLE 39.

ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING
BY COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	22	20	8	50
STD ERR	31	20	8	38
MENDOCINO/SONOMA (NON-BOAT MODES)	26	7	3	36
STD ERR	34	7	*	36
MENDOCINO (BOAT MODES)	4	1	*	4
STD ERR	6	1	*	6
SONOMA (BOAT MODES)	4	*	*	4
STD ERR	4	*	*	4
SAN FRANCISCO	228	26	26	280
STD ERR	387	29	24	389
SANTA CRUZ/MONTEREY	74	20	9	104
STD ERR	98	18	11	100
SAN LUIS OBISPO	14	21	36	71
STD ERR	21	22	35	46
TOTAL	372	99		
STD ERR	405	46		

TABLE 40.

ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	126	38	24	189
STD ERR	45	44	35	72
MENDOCINO/SONOMA	103	20	3	127
STD ERR	36	17	7	40
MENDOCINO (BOAT MODES)	24	16	3	43
STD ERR	12	13	6	19
SONOMA (BOAT MODES)	48	7	1	57
STD ERR	0	2	1	2
SAN FRANCISCO	1,299	66	42	1,407
STD ERR	110	38	28	120
SANTA CRUZ/MONTEREY	336	40	16	392
STD ERR	75	33	27	85
SAN LUIS OBISPO	73	49	89	211
STD ERR	23	31	61	72
TOTAL	2,010	236	180	2,426
STD ERR	147	77	81	185

TABLE 41. ESTIMATED THOUSANDS OF FISHING TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

COASTAL COUNTY DISTRICT	MODE	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	12	0	5	17
	STD ERR	15	1	19	24
	JETTY & BREAKWATER	7	2	1	10
	STD ERR	7	5	4	9
	BRIDGE & CAUSEWAY	2	1	1	4
	STD ERR	2	2	2	3
	B/B - H & L	47	17	2	66
	STD ERR	28	24	12	64
	P/R BOAT	57	18	7	82
	STD ERR	31	36	27	94
	CPFV	1	*	5	6
	STD ERR	3	*	0	3
SPEAR	STD ERR	1	2	0	3
	STD ERR	1			2
TOTAL		126	38	24	189
	STD ERR	45	44	35	72
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	8	2	0	10
	STD ERR	5	4	1	6
	JETTY & BREAKWATER	8	4	1	12
	STD ERR	4	3	3	6
	B/B - H & L	78	15	2	95
	STD ERR	35	16	6	57
	SPEAR	9	2	0	10
STD ERR	5	2	1	6	
TOTAL		103	20	3	127
	STD ERRS	36	17	7	40
MENDOCINO (BOAT MODES)	P/R BOAT	17	6	3	26
	STD ERR	12	10	6	18
	CPFV	7	10	0	18
	STD ERR	3	8	2	9
TOTAL		24	16	3	43
	STD ERR	12	13	6	19
SONOMA (BOAT MODES)	P/R BOAT	24	4	1	29
	STD ERR	0	1	0	1
	CPFV	24	3	1	28
	STD ERR	0	1	1	1
TOTAL		48	7	1	57
	STD ERR	0	2	1	2
SAN FRANCISCO	PIER & DOCK	238	2	6	246
	STD ERR	33	4	9	35
	JETTY & BREAKWATER	50	1	4	55
	STD ERR	13	2	4	14
	BRIDGE & CAUSEWAY	4	*	0	4
	STD ERR	4	*	0	4
	B/B - H & L	260	3	9	273
	STD ERR	35	6	10	36
	P/R BOAT	554	32	13	599
	STD ERR	94	32	23	102
	CPFV	188	31	10	229
	STD ERR	29	19	9	36
SPEAR	5	*	0	5	
STD ERR	2	*	0	2	
TOTAL		1,299	66	42	1,407
	STD ERR	110	38	28	120

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	95	15	2	109
	STD ERR	39	15		41
	JETTY & BREAKWATER	37	1	15	41
	STD ERR	29	2		33
	B/B - H & L	99	5	12	107
	STD ERR	48	19		53
	P/R BOAT	54	4	0	58
	STD ERR	21	8		28
	CPFV	43	8	19	66
	STD ERR	20	21	0	34
SPEAR	STD ERR	10	0	0	11
	STD ERR	3	1	0	3
TOTAL		336	40	16	392
	STD ERR	75	35	27	88
SAN LUIS OBISPO	PIER & DOCK	9	8	10	26
	STD ERR	8	13	20	25
	JETTY & BREAKWATER	7	*	0	7
	STD ERR	10	*	0	10
	B/B - H & L	26	17	29	73
	STD ERR	14	22	46	46
	P/R BOAT	21	14	20	55
	STD ERR	11	15	33	34
	CPFV	9	10	38	49
	STD ERR	6	11	33	38
TOTAL		73	49	89	211
	STD ERR	23	31	61	72
GRAND TOTAL		2,010	236	180	2,426
	STD ERR	147	77	81	185

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED BY COASTAL COUNTY DISTRICT AND MODE, JAN 1981---DEC 1981.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.2	2.0	1.268
	MENDOCINO/SONOMA	2.4	2.0	0.953
	SAN FRANCISCO	3.3	3.0	1.897
	SANTA CRUZ/MONTEREY	3.5	3.0	2.087
	SAN LUIS OBISPO	2.6	2.0	1.533
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	2.6	2.5	1.576
	MENDOCINO/SONOMA	2.9	2.5	1.731
	SAN FRANCISCO	3.3	3.0	2.098
	SANTA CRUZ/MONTEREY	2.7	2.5	1.570
	SAN LUIS OBISPO	2.5	2.5	*
BRIDGE & CAUSEWAY	DEL NORTE/HUMBOLDT	2.7	3.0	1.322
	SAN FRANCISCO	6.2	4.8	4.423
	SAN LUIS OBISPO	1.0	1.0	*
BEACH/BANK - H&L	DEL NORTE/HUMBOLDT	2.6	2.0	1.793
	MENDOCINO/SONOMA	3.1	3.0	2.013
	SAN FRANCISCO	3.4	3.5	1.743
	SANTA CRUZ/MONTEREY	3.1	3.0	1.684
	SAN LUIS OBISPO	2.6	2.0	1.965
P/R BOAT	DEL NORTE/HUMBOLDT	4.0	4.0	1.480
	MENDOCINO (BOAT MODES)	3.8	4.0	1.830
	SONOMA (BOAT MODES)	4.7	5.0	1.999
	SAN FRANCISCO	5.9	6.0	2.234
	SANTA CRUZ/MONTEREY	4.3	4.0	1.640
SPEAR	SAN LUIS OBISPO	3.6	4.0	1.436
	DEL NORTE/HUMBOLDT	4.8	5.0	0.751
CPFV	MENDOCINO (BOAT MODES)	4.5	4.5	0.606
	SONOMA (BOAT MODES)	6.7	7.0	1.262
	SAN FRANCISCO	7.8	8.0	1.272
	SANTA CRUZ/MONTEREY	5.3	5.0	1.381
	SAN LUIS OBISPO	3.7	4.0	0.901
	DEL NORTE/HUMBOLDT	1.5	1.0	1.047
SPEAR	MENDOCINO/SONOMA	1.4	1.0	0.754
	SAN FRANCISCO	3.5	3.5	1.643
	SANTA CRUZ/MONTEREY	0.7	0.5	0.485
	DEL NORTE/HUMBOLDT	1.5	1.0	1.047

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1981---DEC 1981.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	775	45.67	75. OTHER FISH	1268	47.23
63. SURFFERCHES, OTHER	284	16.74	44. STRIPED BASS	405	15.08
56. REDTAIL SURFFERCH	173	10.19	63. SURFFERCHES, OTHER	342	12.74
35. LINGCOD	150	8.84	04. STURGEONS	278	10.35
74. SALMONIDS	96	5.66	33. ROCKFISHES, OTHER	103	3.84
33. ROCKFISHES, OTHER	56	3.30	03. SHARK, OTHER	84	3.13
15. BLACK ROCKFISH	47	2.77	14. JACKSMELT	56	2.09
07. SURF SMELT	44	2.59	48. WHITE CROAKER	32	1.94
03. SHARK, OTHER	16	0.94	73. FLATFISHES, OTHER	30	1.86
36. GREENLINGS, OTHER	14	0.82	35. LINGCOD	12	0.45
34. KELP GREENLING	13	0.77	74. SALMONIDS	11	0.41
38. CABEZON	12	0.71	01. LEOPARD SHARK	5	0.19
14. JACKSMELT	5	0.29	70. CALIFORNIA HALIBUT	5	0.19
73. FLATFISHES, OTHER	5	0.29	06. NORTHERN ANCHOVY	3	0.11
60. STRIPED SEAPERCH	2	0.12	36. GREENLINGS, OTHER	3	0.11
MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	801	74.30	75. OTHER FISH	1308	72.99
63. SURFFERCHES, OTHER	95	8.81	63. SURFFERCHES, OTHER	239	13.34
35. LINGCOD	30	2.78	33. ROCKFISHES, OTHER	149	8.31
33. ROCKFISHES, OTHER	26	2.41	35. LINGCOD	51	2.85
07. SURF SMELT	22	2.04	73. FLATFISHES, OTHER	17	0.95
38. CABEZON	21	1.95	53. BARRED SURFFERCH	9	0.50
36. GREENLINGS, OTHER	16	1.48	48. WHITE CROAKER	7	0.39
05. PACIFIC HERRING	15	1.39	38. CABEZON	3	0.17
73. FLATFISHES, OTHER	11	1.02	01. LEOPARD SHARK	2	0.11
74. SALMONIDS	11	1.02	16. BLUE ROCKFISH	2	0.11
58. SHINER PERCH	7	0.65	44. STRIPED BASS	2	0.11
56. REDTAIL SURFFERCH	6	0.56	03. SHARK, OTHER	1	0.06
60. STRIPED SEAPERCH	5	0.46	06. NORTHERN ANCHOVY	1	0.06
10. PACIFIC TOMCOD	4	0.37	45. SEA BASSES, OTHER	1	0.06
08. SMELTS, OTHER	3	0.28	SAN LUIS OBISPO		
MENDOCINO (BOAT MODES)			SOUGHT	COUNT	PERCENT
SOUGHT	COUNT	PERCENT	75. OTHER FISH	794	55.41
75. OTHER FISH	179	67.29	63. SURFFERCHES, OTHER	199	13.89
74. SALMONIDS	59	22.18	33. ROCKFISHES, OTHER	108	7.54
35. LINGCOD	24	9.02	70. CALIFORNIA HALIBUT	83	5.79
16. BLUE ROCKFISH	2	0.75	67. PACIFIC MACKEREL	78	5.44
33. ROCKFISHES, OTHER	2	0.75	35. LINGCOD	67	4.68
SONOMA (BOAT MODES)			18. BOCCACCIO	47	3.28
SOUGHT	COUNT	PERCENT	14. JACKSMELT	25	1.74
75. OTHER FISH	159	66.25	53. BARRED SURFFERCH	6	0.42
33. ROCKFISHES, OTHER	62	25.83	48. WHITE CROAKER	5	0.35
44. STRIPED BASS	12	5.00	38. CABEZON	4	0.28
35. LINGCOD	5	2.08	43. KELP BASS	3	0.21
04. STURGEONS	2	0.83	69. STARRY FLOUNDER	3	0.21
			73. FLATFISHES, OTHER	3	0.21
			03. SHARK, OTHER	2	0.14

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1981--DEC 1981. THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	74 58.27	7 5.51	5 3.94	13 10.24	6 4.72	16 12.60	6 4.72	0 0.00	0 0.00	0 0.00	127
MENDOCINO/SONOMA	43 40.57	11 10.38	10 9.43	8 7.55	7 6.60	18 16.98	2 1.89	2 1.89	2 1.89	3 2.83	106
SAN FRANCISCO	453 62.92	88 12.22	55 7.64	24 3.33	44 6.11	36 5.00	5 0.69	9 1.25	1 0.14	5 0.69	720
SANTA CRUZ/ MONTEREY	174 63.27	37 13.45	17 6.18	16 5.82	10 3.64	12 4.36	5 1.82	2 0.73	0 0.00	2 0.73	275
SAN LUIS OBISPO	314 54.90	65 11.36	52 9.09	23 4.02	35 6.12	63 11.01	19 3.32	1 0.17	0 0.00	0 0.00	572
TOTAL	1058	208	139	84	102	145	37	14	3	10	1800

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	402 58.18	87 12.59	69 9.99	25 3.62	59 8.54	35 5.07	9 1.30	3 0.43	1 0.14	1 0.14	691
MENDOCINO/SONOMA	300 82.64	34 9.37	15 4.13	3 0.83	6 1.65	4 1.10	1 0.28	0 0.00	0 0.00	0 0.00	363
SAN FRANCISCO	58 69.88	7 8.43	4 4.82	1 1.20	11 13.25	2 2.41	0 0.00	0 0.00	0 0.00	0 0.00	83
SANTA CRUZ/ MONTEREY	193 67.96	49 17.25	8 2.82	9 3.17	11 3.87	10 3.52	3 1.06	1 0.35	0 0.00	0 0.00	284
SAN LUIS OBISPO	0 0.00	1 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
TOTAL	953	178	96	38	87	51	13	4	1	1	1422

BRIDGE & CAUSEWAY									
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-25	TOTAL	
DEL NORTE/ HUMBOLDT	20 62.50	3 9.38	1 3.13	1 3.13	3 9.38	4 12.50	0 0.00	32	
SAN FRANCISCO	2 33.33	3 50.00	0 0.00	0 0.00	0 0.00	0 0.00	1 16.67	6	
SAN LUIS OBISPO	0 0.00	0 0.00	0 0.00	0 0.00	1 100.00	0 0.00	0 0.00	1	
TOTAL	22	6	1	1	4	4	1	39	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	294 53.16	69 12.48	39 7.05	12 2.17	34 6.15	29 5.24	6 1.08	2 0.36	0 0.00	68 12.30	553
MENDOCINO/SONOMA	337 59.44	77 13.58	47 8.29	29 5.11	23 4.06	20 3.53	4 0.71	3 0.53	1 0.18	26 4.59	567
SAN FRANCISCO	392 66.67	55 9.35	24 4.08	38 6.46	29 4.93	39 6.63	7 1.19	0 0.00	2 0.34	2 0.34	588
SANTA CRUZ/ MONTEREY	213 42.43	64 12.75	56 11.16	48 9.56	60 11.95	49 9.76	8 1.59	2 0.40	1 0.20	1 0.20	502
SAN LUIS OBISPO	192 60.19	32 10.03	25 7.84	18 5.64	23 7.21	20 6.27	6 1.88	0 0.00	2 0.63	1 0.31	319
TOTAL	1428	297	191	145	169	157	31	7	6	98	2529

(CONTINUED)

TABLE 44. (CONTINUED)

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	173 55.99	18 5.85	8 2.59	6 1.94	16 5.18	49 15.86	23 7.44	13 4.21	0 0.00	3 0.97	309
MENDOCINO/SONOMA	0 0.00	0 0.00	0 0.00	3 42.86	2 28.57	1 14.29	1 14.29	0 0.00	0 0.00	0 0.00	7
MENDOCINO (BOAT MODES)	88 41.12	11 5.14	15 7.01	21 9.81	29 13.55	23 10.75	13 6.07	11 5.14	0 0.00	3 1.40	214
SONOMA (BOAT MODES)	112 75.17	15 10.07	10 6.71	2 1.34	4 2.68	3 2.01	2 1.34	1 0.67	0 0.00	0 0.00	149
SAN FRANCISCO	447 56.58	98 12.41	45 5.70	35 4.43	71 8.99	52 6.58	19 2.41	10 1.27	3 0.38	10 1.27	790
SANTA CRUZ/ MONTEREY	163 43.47	37 9.87	30 8.00	31 8.27	49 13.07	38 10.13	17 4.53	4 1.07	6 1.60	0 0.00	375
SAN LUIS OBISPO	99 25.26	34 8.67	39 9.95	22 5.61	19 4.85	61 15.56	85 21.68	27 6.89	5 1.28	1 0.26	392
TOTAL	1082	213	147	120	190	227	160	66	14	17	2236

CPFV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	7 53.85	0 0.00	0 0.00	0 0.00	0 0.00	6 46.15	0 0.00	0 0.00	0 0.00	0 0.00	13
MENDOCINO (BOAT MODES)	0 0.00	0 0.00	5 9.62	0 0.00	0 0.00	6 11.54	34 65.38	7 13.46	0 0.00	0 0.00	52
SONOMA (BOAT MODES)	20 24.39	0 0.00	0 0.00	3 3.66	10 12.20	24 29.27	16 19.51	7 8.54	0 0.00	2 2.44	82
SAN FRANCISCO	211 64.13	31 9.42	12 3.65	7 2.13	18 5.47	32 9.73	15 4.56	3 0.91	0 0.00	0 0.00	329
SANTA CRUZ/ MONTEREY	7 3.26	2 0.95	4 1.86	8 3.72	27 12.56	55 25.58	60 27.91	17 7.91	6 2.79	29 13.49	215
SAN LUIS OBISPO	3 2.70	0 0.00	2 1.80	4 3.60	4 3.60	26 23.42	25 22.52	30 27.03	13 11.71	4 3.60	111
TOTAL	248	33	23	22	59	149	150	64	19	35	802

SPEAR					
NUMBER CAUGHT	0	6-10	16-20	21-25	TOTAL
DEL NORTE/ HUMBOLDT	8 100.00	0 0.00	0 0.00	0 0.00	8
MENDOCINO/SONOMA	18 94.74	1 5.26	0 0.00	0 0.00	19
SAN FRANCISCO	5 100.00	0 0.00	0 0.00	0 0.00	5
SANTA CRUZ/ MONTEREY	3 60.00	0 0.00	1 20.00	1 20.00	5
TOTAL	34	1	1	1	37

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1981--DEC 1981.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	2.1
	JETTY & BREAKWATER	1.5
	BRIDGE & CAUSEWAY	1.6
	B/B - H & L	20.1
	P/R BOAT	3.6
	CPFV	2.7
	SPEAR	0.0
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	4.8
	JETTY & BREAKWATER	0.4
	B/B - H & L	8.1
	SPEAR	0.5
MENDOCINO (BOAT MODES)	P/R BOAT	6.6
	CPFV	12.9
SONOMA (BOAT MODES)	P/R BOAT	0.8
	CPFV	10.7
SAN FRANCISCO	PIER & DOCK	1.7
	JETTY & BREAKWATER	0.8
	BRIDGE & CAUSEWAY	4.7
	B/B - H & L	1.4
	P/R BOAT	2.5
	CPFV	1.9
	SPEAR	0.0
SANTA CRUZ/MONTEREY	PIER & DOCK	1.6
	JETTY & BREAKWATER	1.0
	B/B - H & L	2.2
	P/R BOAT	2.9
	CPFV	13.6
	SPEAR	7.6
SAN LUIS OBISPO	PIER & DOCK	2.0
	JETTY & BREAKWATER	1.0
	BRIDGE & CAUSEWAY	4.0
	B/B - H & L	1.7
	P/R BOAT	6.1
	CPFV	13.6

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1981--DEC 1981.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
				NUMBER
	PERCENT			
DEL NORTE/HUMBOLDT	75.7	19.9	4.4	1697
MENDOCINO/SONOMA (NON-BOAT MODES)	81.0	16.5	2.5	1078
MENDOCINO (BOAT MODES)	62.8	31.2	6.0	266
SONOMA (BOAT MODES)	86.3	12.1	1.7	240
SAN FRANCISCO	94.0	3.4	2.6	2685
SANTA CRUZ/MONTEREY	89.0	8.1	2.9	1792
SAN LUIS OBISPO	37.6	59.0	3.4	1433
TOTAL NUMBER	7189	1709	293	9191

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	12	*	*	12
2 SPINY DOGFISH	*	*	*	1	*	*	1
3 SHARK, OTHER	*	*	2	*	*	*	2
5 PACIFIC HERRING	*	*	*	*	*	*	*
6 NORTHERN ANCHOVY	*	*	0	*	*	*	0
7 SURF SMELT	*	*	*	*	*	*	*
10 PACIFIC TOMCOD	*	*	*	*	*	*	*
12 PACIFIC HAKE	*	*	1	*	*	*	1
13 SILVERSIDES	*	*	*	*	*	*	*
14 JACKSMELT	1	0	0	0	*	*	2
15 BLACK ROCKFISH	1	1	9	186	17	*	213
16 BLUE ROCKFISH	1	0	*	28	*	*	29
17 BROWN ROCKFISH	*	0	0	*	*	*	0
19 CANARY ROCKFISH	*	0	*	17	*	*	17
21 COPPER ROCKFISH	*	0	*	7	*	*	7
26 QUILLBACK ROCKFISH	*	*	*	2	*	*	2
27 ROSY ROCKFISH	*	*	*	*	*	*	*
29 VERMILION ROCKFISH	*	*	*	1	*	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	0	*	*	0
33 ROCKFISHES, OTHER	1	0	1	8	1	*	11
34 KELP GREENLING	*	1	1	2	1	*	3
35 LINGCOD	*	1	3	102	6	*	113
36 GREENLINGS, OTHER	*	0	*	*	*	*	0
38 CABEZON	*	0	2	19	2	*	23
39 PAC. STAGHORN SCULPIN	*	0	0	*	*	*	0
40 SCULPINS, OTHER	*	0	*	*	*	*	0
55 PILE PERCH	0	0	*	*	*	*	1
56 REDTAIL SURFPERCH	0	0	23	2	*	*	25
58 SHINER PERCH	0	0	*	0	*	*	0
59 SILVER SURFPERCH	0	0	0	*	*	*	0
60 STRIPED SEAPERCH	0	0	1	0	*	*	2
61 WALLEYE SURFPERCH	0	0	0	1	*	*	1
62 WHITE SEAPERCH	0	0	0	1	*	*	2
63 SURFPERCHES, OTHER	4	0	0	0	*	*	5
69 STARRY FLOUNDER	*	*	0	1	*	*	1
73 FLATFISHES, OTHER	*	*	*	2	*	*	2
74 SALMONIDS	*	*	0	0	*	*	1
75 OTHER FISH	*	0	1	15	*	*	16
TOTAL	9	6	45	407	26	0	494

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*	*
5 PACIFIC HERRING	3	*	*	*	*	*	3
7 SURF SMELT	*	*	*	*	*	*	*
14 JACKSMELT	*	*	0	*	*	*	0
15 BLACK ROCKFISH	*	*	6	*	*	0	6
16 BLUE ROCKFISH	*	0	3	*	*	0	4
17 BROWN ROCKFISH	*	*	2	*	*	*	2
19 CANARY ROCKFISH	*	*	1	*	*	*	1
21 COPPER ROCKFISH	*	*	4	*	*	*	4
22 GOPHER ROCKFISH	*	0	*	*	*	*	0
27 ROSY ROCKFISH	*	*	0	*	*	*	0
29 VERMILION ROCKFISH	*	*	*	*	*	*	*
31 YELLOWTAIL ROCKFISH	*	*	1	*	*	*	1
33 ROCKFISHES, OTHER	*	0	1	*	*	0	1
34 KELP GREENLING	*	0	5	*	*	0	5
35 LINGCOD	*	*	7	*	*	4	11
36 GREENLINGS, OTHER	*	0	4	*	*	*	4
38 CABEZON	0	0	5	*	*	1	6
39 PAC. STAGHORN SCULPIN	0	0	0	*	*	*	0
40 SCULPINS, OTHER	0	0	1	*	*	*	1
43 KELP BASS	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	2	*	*	*	2
48 WHITE CROAKER	*	*	*	*	*	*	*
55 PILE PERCH	*	*	*	*	*	*	*
56 REDTAIL SURPPERCH	0	0	1	*	*	*	2
57 RUBBERLIP SEAPERCH	0	*	*	*	*	*	0
58 SHINER PERCH	0	*	0	*	*	*	0
59 SILVER SURPPERCH	0	*	0	*	*	*	0
60 STRIPED SEAPERCH	3	0	9	*	*	*	12
61 WALLEYE SURPPERCH	0	*	*	*	*	*	0
62 WHITE SEAPERCH	0	0	0	*	*	*	0
63 SURPPERCHES, OTHER	0	0	3	*	*	*	3
69 STARRY FLOUNDER	*	1	*	*	*	*	1
70 CALIFORNIA HALIBUT	*	*	2	*	*	*	2
72 ROCK SOLE	*	0	*	*	*	*	0
73 FLATFISHES, OTHER	*	*	*	*	*	*	*
74 SALMONIDS	*	2	*	*	*	*	2
75 OTHER FISH	*	0	*	*	*	*	0
TOTAL	7	5	57	0	0	6	74

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
15 BLACK ROCKFISH	*	*	*	14	6	*	21
16 BLUE ROCKFISH	*	*	*	46	178	*	224
18 BOCCACCIO	*	*	*	*	2	*	2
19 CANARY ROCKFISH	*	*	*	5	5	*	10
21 COPPER ROCKFISH	*	*	*	17	2	*	19
25 OLIVE ROCKFISH	*	*	*	1	1	*	2
26 QUILLBACK ROCKFISH	*	*	*	1	1	*	1
27 ROSY ROCKFISH	*	*	*	0	*	*	0
29 VERMILION ROCKFISH	*	*	*	1	*	*	1
30 WIDOW ROCKFISH	*	*	*	0	*	*	0
31 YELLOWTAIL ROCKFISH	*	*	*	5	33	*	38
33 ROCKFISHES, OTHER	*	*	*	20	2	*	22
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	30	8	*	38
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
38 CABEZON	*	*	*	3	*	*	3
60 STRIPED SEAPERCH	*	*	*	*	*	*	*
63 SURFFERCHES, OTHER	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	*	*	*	*	*	*	*
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
72 ROCK SOLE	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	*	*	*	*	*	*	*
74 SALMONIDS	*	*	*	1	*	*	1
75 OTHER FISH	*	*	*	*	*	*	*
TOTAL	0	0	0	146	238	0	384

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
15 BLACK ROCKFISH	*	*	*	1	1	*	2
16 BLUE ROCKFISH	*	*	*	1	1	*	1
17 BROWN ROCKFISH	*	*	*	2	7	*	9
18 BOCCACCIO	*	*	*	*	49	*	49
19 CANARY ROCKFISH	*	*	*	0	16	*	17
20 CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*
21 COPPER ROCKFISH	*	*	*	1	48	*	49
23 GREENSPOTTED ROCKFISH	*	*	*	*	4	*	4
25 OLIVE ROCKFISH	*	*	*	0	1	*	1
26 QUILLBACK ROCKFISH	*	*	*	1	1	*	1
27 ROSY ROCKFISH	*	*	*	*	1	*	1
28 STARRY ROCKFISH	*	*	*	*	2	*	2
29 VERMILION ROCKFISH	*	*	*	*	8	*	8
30 WIDOW ROCKFISH	*	*	*	*	7	*	7
31 YELLOWTAIL ROCKFISH	*	*	*	*	42	*	42
33 ROCKFISHES, OTHER	*	*	*	1	85	*	86
34 KELP GREENLING	*	*	*	*	*	*	*
35 LINGCOD	*	*	*	8	7	*	14
38 CABEZON	*	*	*	1	*	*	1
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	*	0	*	*	0
54 BLACK PERCH	*	*	*	*	*	*	*
69 STARRY FLOUNDER	*	*	*	*	1	*	1
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
75 OTHER FISH	*	*	*	2	*	*	2
TOTAL	0	0	0	18	279	0	297

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	1	*	*	1
2 SPINY DOGFISH	*	*	*	*	*	1
3 SHARK, OTHER	*	*	*	*	*	*
4 STURGEONS	*	*	*	*	*	*
7 SURF SMELT	*	*	0	*	*	0
10 PACIFIC TOMCOD	0	*	*	*	*	0
14 JACKSMELT	*	*	*	0	*	0
15 BLACK ROCKFISH	*	*	*	3	*	6
16 BLUE ROCKFISH	*	*	*	4	*	73
17 BROWN ROCKFISH	*	*	*	2	68	3
18 BOCACCIO	*	*	*	*	123	123
19 CANARY ROCKFISH	*	*	*	*	12	12
20 CHILLIPEPPER ROCKFISH	*	*	*	*	5	5
21 COPPER ROCKFISH	*	*	*	1	21	22
22 GOPHER ROCKFISH	*	*	*	*	2	2
23 GREENSPOTTED ROCKFISH	*	*	*	*	33	33
26 GREENSTRIPED ROCKFISH	*	*	*	*	1	1
27 ROSY ROCKFISH	*	*	*	*	1	1
28 STARRY ROCKFISH	*	*	*	*	4	4
30 WIDOW ROCKFISH	*	*	*	*	2	2
31 YELLOWTAIL ROCKFISH	*	*	*	*	93	93
33 ROCKFISHES, OTHER	*	0	*	27	42	69
34 KELP GREENLING	*	*	1	*	3	3
35 LINGCOD	*	*	*	3	2	5
36 GREENLINGS, OTHER	1	*	0	*	*	1
38 CABEZON	*	*	0	2	2	4
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	1
43 KELP BASS	*	*	*	1	*	1
44 STRIPED BASS	*	*	*	*	3	3
48 WHITE CROAKER	1	1	*	6	*	7
53 BARRED SURFPERCH	0	*	16	*	*	17
54 BLACK PERCH	*	*	*	*	*	*
55 PILE PERCH	*	*	*	*	*	*
56 REDTAIL SURFPERCH	0	*	17	*	*	18
57 RUBBERLIP SEAPERCH	0	*	*	*	*	0
58 SHINER PERCH	0	*	*	*	*	0
59 SILVER SURFPERCH	0	*	2	*	*	2
60 STRIPED SEAPERCH	*	0	1	*	*	2
61 WALLEYE SURFPERCH	0	*	0	0	*	1
62 WHITE SEAPERCH	0	*	1	*	*	1
63 SURFPERCHES, OTHER	0	*	1	*	*	1
69 STARRY FLOUNDER	*	*	*	*	0	0
70 CALIFORNIA HALIBUT	*	*	*	*	2	2
71 PACIFIC SANDOAB	*	*	0	0	*	0
73 FLATFISHES, OTHER	0	*	0	*	0	1
74 SALMONIDS	*	*	*	12	92	104
75 OTHER FISH	*	*	0	*	*	0
TOTAL	3	2	42	61	514	622

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	0	*	3	58	*	*	61
2 SPINY DOGFISH	1	*	*	1	*	*	2
3 SHARK, OTHER	1	*	*	72	*	*	72
4 STURGEONS	*	*	*	147	178	*	325
6 NORTHERN ANCHOVY	1	*	*	*	*	*	1
10 PACIFIC TOMCOD	0	*	*	*	*	*	0
14 JACKSMELT	12	1	9	107	*	*	129
15 BLACK ROCKFISH	*	*	*	2	0	*	2
16 BLUE ROCKFISH	*	*	*	1	*	*	1
17 BROWN ROCKFISH	1	0	1	16	*	*	18
21 COPPER ROCKFISH	*	*	*	0	0	*	1
33 ROCKFISHES, OTHER	0	*	1	7	*	*	8
34 KELP GREENLING	0	*	0	3	0	*	3
35 LINGCOD	1	*	0	*	*	*	1
38 CABEZON	*	*	0	0	*	*	1
39 PAC. STAGHORN SCULPIN	1	1	0	0	*	*	2
40 SCULPINS, OTHER	*	*	0	*	*	*	0
44 STRIPED BASS	2	*	1	29	15	*	47
48 WHITE CROAKER	4	0	0	7	*	*	12
53 BARRED SURFPERCH	*	*	5	0	*	*	5
54 BLACK PERCH	1	*	1	9	*	*	10
55 PILE PERCH	0	*	0	7	*	*	8
56 REDTAIL SURFPERCH	*	*	3	0	*	*	4
57 RUBBERLIP SEAPERCH	3	*	3	24	*	*	30
58 SHINER PERCH	1	0	0	0	*	*	1
59 SILVER SURFPERCH	0	*	0	1	*	*	1
60 STRIPED SEAPERCH	0	*	*	*	*	*	0
61 WALLEYE SURFPERCH	2	*	2	7	*	*	11
62 WHITE SEAPERCH	1	*	1	0	*	*	2
63 SURFPERCHES, OTHER	2	*	2	12	*	*	16
69 STARRY FLOUNDER	2	*	0	11	5	*	18
70 CALIFORNIA HALIBUT	*	*	*	22	*	*	22
71 PACIFIC SANDDAB	*	*	*	*	*	*	*
73 FLATFISHES, OTHER	1	0	*	0	*	*	1
74 SALMONIDS	*	*	*	2	3	*	6
75 OTHER FISH	1	*	0	113	*	*	114
TOTAL	36	2	35	659	203	0	935

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1981--DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	*	*	*	*
2 SPINY DOGFISH	*	*	*	*	*	*	*
3 SHARK, OTHER	*	*	*	2	*	*	2
12 PACIFIC HAKE	*	*	*	1	2	*	3
14 JACKSMELT	1	0	2	*	*	*	3
16 BLUE ROCKFISH	0	*	0	15	80	1	95
17 BROWN ROCKFISH	*	*	0	2	1	*	3
18 BOACCIO	*	*	*	1	57	*	58
19 CANARY ROCKFISH	*	*	*	2	4	*	6
20 CHILIPEPPER ROCKFISH	*	*	*	*	40	*	40
21 COPPER ROCKFISH	*	*	0	3	0	*	3
22 GOPHER ROCKFISH	*	*	*	1	*	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	0	5	*	5
24 GREENSTRIPED ROCKFISH	*	*	*	*	1	*	1
25 OLIVE ROCKFISH	*	*	*	4	7	1	12
27 ROSY ROCKFISH	0	*	*	0	0	*	1
28 STARRY ROCKFISH	*	*	*	1	3	*	4
29 VERMILION ROCKFISH	*	*	*	1	3	*	4
30 WIDOW ROCKFISH	*	*	*	0	6	*	6
31 YELLOWTAIL ROCKFISH	*	*	*	4	27	*	30
33 ROCKFISHES, OTHER	0	0	*	12	123	0	136
34 KELP GREENLING	*	0	0	1	*	*	1
35 LINGCOD	*	*	3	34	124	5	166
36 GREENLING, OTHER	*	*	*	*	*	*	*
38 CABEZON	*	0	*	3	*	2	5
39 PAC. STAGHORN SCULPIN	0	0	0	*	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	*
43 KELP BASS	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	0	*	*	*	0
48 WHITE CROAKER	1	0	1	2	*	*	4
53 BARRED SURFPERCH	1	0	48	0	0	*	49
54 BLACK PERCH	0	*	1	*	*	0	1
55 PILE PERCH	*	1	1	*	*	1	3
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	1	*	1	*	*	*	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	*	0	1	*	*	*	1
60 STRIPED SEAPERCH	*	*	1	*	*	0	1
61 WALLEYE SURFPERCH	0	2	2	*	*	*	4
62 WHITE SEAPERCH	0	0	1	*	*	*	1
63 SURFPERCHES, OTHER	1	1	4	0	*	*	6
66 PACIFIC BONITO	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	*	0	*	3	6	*	9
69 STARRY FLOUNDER	1	5	0	*	*	*	5
71 PACIFIC SANDDAB	*	*	*	3	0	*	3
72 ROCK SOLE	*	*	*	*	*	*	*
73 FLATFISHES, OTHER	0	1	0	4	*	*	5
75 OTHER FISH	*	8	*	0	0	*	9
TOTAL	6	19	65	97	488	11	687

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1981---DEC 1981.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	3	*	*	3
3 SHARK, OTHER	*	*	*	*	*	*	*
14 JACKSMELT	1	*	0	0	*	*	1
15 BLACK ROCKFISH	*	*	*	3	2	*	5
16 BLUE ROCKFISH	*	*	*	52	128	*	180
17 BROWN ROCKFISH	0	*	*	9	10	*	19
18 BOCCACIO	0	*	*	1	1	*	2
19 CANARY ROCKFISH	*	*	*	3	12	*	15
21 COPPER ROCKFISH	*	*	*	7	21	*	28
22 GOPHER ROCKFISH	*	*	*	14	15	*	29
23 GREENSPOTTED ROCKFISH	*	*	*	0	2	*	3
25 OLIVE ROCKFISH	*	*	*	7	24	*	31
27 ROSY ROCKFISH	*	*	*	2	5	*	7
28 STARRY ROCKFISH	*	*	*	3	9	*	13
29 VERMILION ROCKFISH	*	*	*	8	21	*	29
30 WIDOW ROCKFISH	*	*	*	*	0	*	0
31 YELLOWTAIL ROCKFISH	*	*	*	5	17	*	22
33 ROCKFISHES, OTHER	*	*	5	19	17	*	41
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	1	*	*	12	8	*	21
38 CABEZON	*	*	1	7	4	*	11
39 PAC. STAGHORN SCULPIN	0	*	0	0	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	*
43 KELP BASS	*	*	0	*	*	*	0
48 WHITE CRONKER	0	*	*	1	*	*	1
51 OPALEYE	*	*	0	*	*	*	0
53 BARRED SURFPERCH	0	4	8	*	*	*	11
54 BLACK PERCH	*	*	*	*	*	*	*
55 PILE PERCH	0	*	*	*	*	*	0
57 RUBBERLIP SEAPERCH	*	*	1	*	*	*	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	*	3	*	*	*	3
60 STRIPED SEAPERCH	*	*	0	*	*	*	0
61 WALLEYE SURFPERCH	0	*	1	*	*	*	1
63 SURFPERCHES, OTHER	0	*	4	*	*	*	4
65 PACIFIC BARRACUDA	*	*	*	*	*	*	*
66 PACIFIC BONITO	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	11	*	*	4	10	*	24
69 STARRY FLOUNDER	0	*	0	1	*	*	1
70 CALIFORNIA HALIBUT	*	*	*	1	*	*	1
71 PACIFIC SANDDAB	*	*	0	2	0	*	2
72 ROCK SOLE	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	0	*	0	1	*	*	2
74 SALMONIDS	*	*	*	*	*	*	*
75 OTHER FISH	0	*	0	14	*	*	15
TOTAL	15	4	23	179	305	0	525

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	26	6	25	0	0	64	0	1	164	27	7	24
02. SPINY DOGFISH	0	0	100	*	*	*	1	0	55	0	0	*	1	103	1	1	59	
03. SHARK, OTHER	0	0	59	0	0	72	64	12	18	2	1	62	0	0	74	67	12	17
04. STURGEONS	*	*	*	*	*	*	41	7	17	*	*	*	*	*	*	41	7	17
05. PACIFIC HERRING	*	*	*	66	45	67	*	*	*	*	*	*	*	*	*	66	45	67
06. NORTHERN ANCHOVY	0	0	100	16	17	107	35	22	63	*	*	*	*	*	*	51	28	55
07. SURF SMELT	145	131	90	515	263	51	*	*	*	*	*	*	*	*	*	660	294	44
08. SMELTS, OTHER	*	*	*	1	1	100	*	*	*	*	*	*	*	*	*	1	1	100
09. PACIFIC COD	0	0	*	0	0	*	1	1	100	*	*	*	*	*	*	1	1	100
10. PACIFIC TOMCOD	*	*	100	0	0	89	5	2	41	*	*	*	*	*	*	6	2	38
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	2	1	67	*	*	*	2	1	67
13. SILVERSIDES	*	*	*	0	0	*	23	23	100	*	*	*	0	0	100	23	23	100
14. JACKSMELT	0	0	78	0	0	91	382	104	27	19	8	44	32	36	68	454	110	24
15. BLACK ROCKFISH	128	147	115	29	27	94	10	6	54	0	0	72	4	6	133	172	150	87
16. BLUE ROCKFISH	12	14	118	71	67	94	30	10	32	630	262	42	438	264	60	1,181	378	32
17. BROWN ROCKFISH	1	0	76	2	2	50	65	25	38	16	9	53	8	5	71	91	27	29
18. BOUACCIO	1	1	100	6	6	30	32	15	47	102	38	37	4	4	102	145	41	28
19. CANARY ROCKFISH	14	21	147	42	28	66	28	11	38	41	19	47	15	8	53	139	42	30
20. CHILLIPEPPER ROCKFISH	*	*	*	0	0	100	*	*	*	156	79	51	*	*	*	156	79	51
21. COPPER ROCKFISH	7	6	82	12	0	45	24	12	51	17	6	35	22	13	58	82	20	25
22. GOPHER ROCKFISH	*	*	*	1	0	63	1	1	71	18	8	43	48	50	104	68	50	74
23. GREENSPOTTED ROCKFISH	*	*	*	1	1	44	15	7	46	11	4	40	3	2	33	31	9	28
24. GREENSTRIPED ROCKFISH	1	1	100	0	0	94	3	2	82	8	4	55	0	0	73	12	5	42
25. OLIVE ROCKFISH	*	*	*	6	2	36	4	2	57	144	57	40	34	30	86	188	65	34
26. QUILLBACK ROCKFISH	*	*	*	1	1	76	4	2	74	*	*	*	*	*	*	1	1	76
27. ROSY ROCKFISH	1	2	122	8	5	62	12	6	55	2	2	82	37	27	73	60	28	47
28. STARRY ROCKFISH	0	0	100	0	0	100	3	6	66	24	15	61	41	27	65	69	31	44
29. VERMILION ROCKFISH	1	1	70	4	4	108	4	2	93	11	3	29	12	5	46	31	8	27
30. WIDOW ROCKFISH	*	*	*	1	0	52	2	2	87	35	3	74	0	0	117	31	4	44
31. YELLOWTAIL ROCKFISH	2	2	100	135	168	125	88	38	43	362	266	74	84	63	74	671	323	48
33. ROCKFISHES, OTHER	4	2	43	40	13	32	182	30	16	387	108	28	92	94	102	705	147	21
34. KELP GREENLING	11	4	33	15	5	32	7	4	55	4	3	77	0	0	37	11	8	21
35. LINGCOD	12	11	92	20	9	47	31	12	38	42	13	32	0	0	111	37	24	21
36. GREENLINGS, OTHER	0	0	54	11	3	28	2	1	56	*	*	*	6	0	45	14	3	21
38. CABEZON	4	1	31	8	3	30	8	3	36	3	1	37	39	36	93	62	36	58
39. PAC. STAGHORN SCULPIN	0	0	197	3	2	64	522	79	15	108	57	53	15	13	82	648	99	15
40. SCULPINS, OTHER	2	2	105	2	1	35	8	8	98	*	*	*	*	*	*	12	8	66
43. KELP BASS	*	*	*	0	0	92	1	1	99	0	0	131	1	1	100	2	1	156
44. STRIPED BASS	*	*	*	*	*	*	62	11	17	0	0	73	*	*	*	63	11	17
45. SEA BASSES, OTHER	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
48. WHITE CROAKER	*	*	*	*	*	*	121	34	28	32	17	32	32	20	63	205	43	21
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	0	0	*	1	1	121	0	1	121
53. BARRED SURFPERCH	*	*	*	0	0	100	73	36	50	35	15	42	83	56	168	192	69	26
54. BLACK PERCH	*	*	*	*	*	*	31	9	28	2	1	50	1	1	100	34	9	26
55. PILE PERCH	0	0	123	5	6	127	26	9	33	2	2	52	*	*	*	33	10	32
56. REDTAIL SURFPERCH	48	38	79	1	1	39	40	18	44	3	1	71	1	2	146	94	42	45
57. RUBBERLIP SEAPERCH	*	*	*	0	0	58	5	2	50	0	0	48	0	0	100	6	2	42
58. SHINER PERCH	2	1	48	9	5	59	81	21	48	0	0	71	5	6	139	100	22	22
59. SILVER SURFPERCH	0	0	100	1	1	71	48	19	40	2	1	54	66	46	72	117	51	44
60. STRIPED SEAPERCH	4	3	65	22	8	38	14	9	69	2	1	44	1	1	63	44	13	28
61. WALLEYE SURFPERCH	2	2	114	3	3	84	109	32	29	2	17	69	7	5	70	145	37	25
62. WHITE SEAPERCH	2	1	51	0	0	47	18	10	57	21	13	63	0	0	100	40	16	41
63. SURFPERCHES, OTHER	0	0	100	18	9	50	791	669	85	131	50	38	48	28	58	988	672	68
65. PACIFIC BARRACUDA	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	*	*	*	4	3	87	4	3	87
67. PACIFIC MACKEREL	*	*	*	3	2	55	1	0	26	198	74	38	28	14	49	227	75	33
68. TUNAS	0	0	100	0	0	100	*	*	*	*	*	*	*	*	*	0	0	100
69. STARRY FLOUNDER	0	0	91	1	0	56	88	14	16	5	2	40	3	4	119	97	15	15
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	9	3	32	8	4	54	8	7	83	25	9	33
71. PACIFIC SANDDAB	4	4	97	6	5	80	*	*	*	38	22	58	12	16	132	61	28	47
72. ROCK SOLE	*	*	*	0	0	64	*	*	*	*	*	*	1	0	73	1	0	73
73. FLATFISHES, OTHER	2	1	75	2	1	44	16	5	30	33	11	34	3	2	73	55	13	23
74. SALMONIDS	1	0	52	6	3	46	0	0	100	*	*	*	0	0	100	7	3	38
75. OTHER FISH	4	2	61	21	6	31	77	11	14	9	5	58	3	2	62	114	14	12
TOTAL	415	203	49	1,116	326	29	3,273	690	21	2,770	422	15	1,265	312	25	8,839	948	11

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	6	12	*	220	178	0	*	*	415
MENDOCINO/SONOMA (NON-BOAT MODES)	102	7	*	594	*	*	*	*	705
MENDOCINO (BOAT MODES)	*	*	*	*	94	210	*	*	304
SONOMA (BOAT MODES)	*	*	*	*	51	57	*	*	109
SAN FRANCISCO	1,433	74	74	588	645	458	*	*	3,273
SANTA CRUZ/MONTEREY	106	21	*	252	801	1,590	*	*	2,770
SAN LUIS OBISPO	155	0	*	169	510	431	*	*	1,265
TOTAL	1,801	114	74	1,823	2,279	2,747	0	0	8,839

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	2	*	2	19	4	*	*	27
02. SPINY DOGFISH	*	*	*	*	1	0	*	*	1
03. SHARK, OTHER	1	2	*	3	61	1	*	*	67
04. STURGEONS	1	*	*	1	21	19	*	*	41
05. PACIFIC HERRING	65	*	*	1	*	*	*	*	66
06. NORTHERN ANCHOVY	25	26	*	*	0	*	*	*	51
07. SURF SMELT	*	*	*	660	*	*	*	*	660
08. SHELTS, OTHER	*	*	*	1	*	*	*	*	1
09. PACIFIC COD	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	5	0	*	0	*	*	*	*	6
12. PACIFIC HAKE	*	*	*	*	2	*	*	*	2
13. SILVERSIDES	0	*	*	23	58	*	*	*	23
14. JACKSMELT	238	4	3	151	58	*	*	*	454
15. BLACK ROCKFISH	0	3	*	7	145	17	*	*	172
16. BLUE ROCKFISH	*	1	*	6	359	815	*	*	1,181
17. BROWN ROCKFISH	17	2	5	4	58	4	*	*	91
18. BOCACCIO	0	*	*	0	5	140	*	*	145
19. CANARY ROCKFISH	0	*	*	0	56	83	*	*	139
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	156	*	*	156
21. COPPER ROCKFISH	0	0	*	*	43	39	*	*	82
22. GOPHER ROCKFISH	*	*	*	*	61	7	*	*	68
23. GREENSPOTTED ROCKFISH	*	*	*	*	5	26	*	*	31
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	11	*	*	12
25. OLIVE ROCKFISH	*	*	*	*	126	62	*	*	188
26. GULLBACK ROCKFISH	*	*	*	*	1	0	*	*	1
27. ROSY ROCKFISH	*	*	*	*	33	28	*	*	60
28. STARRY ROCKFISH	*	*	*	*	15	54	*	*	69
29. VERMILION ROCKFISH	*	*	*	*	16	16	*	*	31
30. WIDOW ROCKFISH	*	*	*	*	0	98	*	*	98
31. YELLOWTAIL ROCKFISH	*	*	*	*	41	630	*	*	671
33. ROCKFISHES, OTHER	16	5	10	9	356	308	*	*	705
34. KELP GREENLING	0	3	*	25	8	0	*	*	37
35. LINGCOD	2	1	*	10	62	36	*	*	111
36. GREENLING, OTHER	0	1	*	13	0	*	*	*	14
38. CABEZON	*	2	*	19	41	0	*	*	62
39. PAC. STAGHORN SCULPIN	297	31	45	205	72	*	*	*	648
40. SCULPINS, OTHER	8	1	*	2	2	*	*	*	12
43. KELP BASS	13	0	*	2	2	*	*	*	2
44. STRIPED BASS	13	0	*	6	31	12	*	*	63
45. SEA BASSES, OTHER	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	80	1	*	8	115	*	*	*	205
50. CROAKERS, OTHER	*	*	*	*	0	*	*	*	0
51. OPALEYE	*	*	*	1	*	*	*	*	1
53. BARRIED SURPPERCH	10	*	*	177	2	2	*	*	192
54. BLACK PERCH	6	3	8	10	7	*	*	*	34
55. PILE PERCH	4	0	*	8	21	*	*	*	33
56. REDTAIL SURPPERCH	4	1	*	86	0	2	*	*	94
57. RUBBERLIP SEAPERCH	1	0	*	3	2	*	*	*	6
58. SHINER PERCH	81	2	*	2	14	*	*	*	100
59. SILVER SURPPERCH	6	0	*	108	3	*	*	*	117
60. STRIPED SEAPERCH	2	5	*	34	4	*	*	*	44
61. WALLEYE SURPPERCH	38	7	2	40	42	16	*	*	145
62. WHITE SEAPERCH	7	0	*	20	12	*	*	*	40
63. SURPPERCHES, OTHER	777	5	*	107	98	7	*	*	988
65. PACIFIC BARRACUDA	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	0	*	*	*	4	*	*	*	4
67. PACIFIC MACKEREL	21	*	*	*	9	111	*	*	227
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	13	4	*	36	2	11	*	*	97
70. CALIFORNIA HALIBUT	3	*	*	*	2	0	*	*	25
71. PACIFIC SANDDAB	1	*	*	0	59	*	*	*	61
72. ROCK SOLE	*	0	*	0	1	*	*	*	1
73. FLATFISHES, OTHER	20	1	*	3	28	4	*	*	55
74. SALMONIDS	4	*	*	1	0	1	*	*	7
75. OTHER FISH	33	1	2	29	0	24	*	*	114
TOTAL	1,801	114	74	1,823	2,279	2,747	0	0	8,839

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	0	*	*	*	0	*	*	*	0
06. NORTHERN ANCHOVY	*	*	*	*	0	*	*	*	0
07. SURF SMELT	*	*	*	145	*	*	*	*	145
10. PACIFIC TOMCOD	*	*	*	0	*	*	*	*	0
14. JACKSMELT	0	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	0	3	*	6	119	0	*	*	128
16. BLUE ROCKFISH	*	1	*	4	7	*	*	*	12
17. BROWN ROCKFISH	*	*	*	1	*	*	*	*	1
18. BOCACCIO	*	*	*	*	1	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	14	*	*	*	14
21. COPPER ROCKFISH	0	0	*	*	7	*	*	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	*	*	*	1
28. STARRY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	*	*	*	2
33. ROCKFISHES, OTHER	0	0	*	0	3	*	*	*	4
34. KELP GREENLING	0	3	*	5	2	*	*	*	11
35. LINGCOD	*	1	*	3	9	0	*	*	12
36. GREENLINGS, OTHER	*	0	*	0	*	*	*	*	0
38. CABEZON	0	1	*	2	1	*	*	*	4
39. PAC. STAGHORN SCULPIN	*	*	*	0	0	*	*	*	0
40. SCULPINS, OTHER	*	0	*	1	1	*	*	*	0
55. PILE PERCH	0	0	*	0	0	*	*	*	0
56. REDTAIL SURFPERCH	*	1	*	47	0	*	*	*	48
58. SHINER PERCH	2	*	*	*	*	*	*	*	2
59. SILVER SURFPERCH	0	*	*	*	*	*	*	*	0
60. STRIPED SEAPERCH	1	2	*	2	*	*	*	*	4
61. WALLEYE SURFPERCH	2	*	*	0	*	*	*	*	2
62. WHITE SEAPERCH	1	0	*	0	0	*	*	*	2
63. SURFPERCHES, OTHER	*	0	*	*	*	*	*	*	0
65. PACIFIC BARRACUDA	*	*	*	0	*	*	*	*	0
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	0	*	*	2	*	*	*	2
74. SALMONIDS	*	*	*	1	0	*	*	*	1
75. OTHER FISH	0	*	*	3	1	*	*	*	4
TOTAL	6	12	0	220	178	0	0	0	415

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	0	*	*	*	*	0
05. PACIFIC HERRING	65	*	*	1	*	*	*	*	66
06. NORTHERN ANCHOVY	16	*	*	*	*	*	*	*	16
07. SURF SMELT	*	*	*	515	*	*	*	*	515
08. SMELTS, OTHER	*	*	*	1	*	*	*	*	1
10. PACIFIC TOMCOD	*	0	*	*	*	*	*	*	0
14. JACKSMELT	0	0	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	1	*	*	*	*	1
16. BLUE ROCKFISH	*	0	*	2	*	*	*	*	2
18. BOCACCIO	*	*	*	0	*	*	*	*	0
19. CANARY ROCKFISH	0	*	*	0	*	*	*	*	0
33. ROCKFISHES, OTHER	1	0	*	2	*	*	*	*	3
34. KELP GREENLING	0	0	*	12	*	*	*	*	12
35. LINGCOD	*	0	*	2	*	*	*	*	2
36. GREENLINGS, OTHER	*	0	*	11	*	*	*	*	11
38. CABEZON	0	0	*	7	*	*	*	*	7
39. PAC. STAGHORN SCULPIN	2	0	*	*	*	*	*	*	2
40. SCULPINS, OTHER	*	0	*	1	*	*	*	*	1
43. KELP BASS	*	0	*	0	*	*	*	*	0
53. BARRED SURFPERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	0	*	0	*	*	*	*	0
56. REDTAIL SURFPERCH	*	0	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	0	*	0	*	*	*	*	0
58. SHINER PERCH	6	0	*	1	*	*	*	*	7
59. SILVER SURFPERCH	*	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	0	3	*	19	*	*	*	*	22
61. WALLEYE SURFPERCH	3	0	*	*	*	*	*	*	3
62. WHITE SEAPERCH	0	0	*	0	*	*	*	*	0
63. SURFPERCHES, OTHER	4	0	*	1	*	*	*	*	6
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	0	*	*	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	0	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	0	*	*	*	*	1
74. SALMONIDS	3	*	*	*	*	*	*	*	3
75. OTHER FISH	*	0	*	13	*	*	*	*	14
TOTAL	102	7	0	594	0	0	0	0	705

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	13	15	*	28
16. BLUE ROCKFISH	*	*	*	*	24	40	*	64
18. BOCACCIO	*	*	*	*	*	3	*	3
19. CANARY ROCKFISH	*	*	*	*	11	20	*	31
21. COPPER ROCKFISH	*	*	*	*	3	3	*	6
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	1	*	1
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	0	*	0
26. GULLBACK ROCKFISH	*	*	*	*	0	0	*	0
27. ROSY ROCKFISH	*	*	*	*	2	4	*	6
29. VERMILION ROCKFISH	*	*	*	*	1	2	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	0	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	107	*	108
33. ROCKFISHES, OTHER	*	*	*	*	6	12	*	18
34. KELP GREENLING	*	*	*	*	2	0	*	2
35. LINGCOD	*	*	*	*	14	2	*	16
38. CABEZON	*	*	*	*	1	*	*	1
40. SOULPINS, OTHER	*	*	*	*	0	*	*	0
55. PILE PERCH	*	*	*	*	4	*	*	4
58. SHINER PERCH	*	*	*	*	2	*	*	2
59. SILVER SURFPERCH	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	0	1	*	1
68. TUNAS	*	*	*	*	0	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	5	*	*	5
72. ROCK SOLE	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	0
74. SALMONIDS	*	*	*	*	1	1	*	2
75. OTHER FISH	*	*	*	*	1	0	*	1
TOTAL	0	0	0	0	94	210	0	304

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	0	*	*	0
15. BLACK ROCKFISH	*	*	*	*	0	*	*	0
16. BLUE ROCKFISH	*	*	*	*	5	1	*	5
17. BROWN ROCKFISH	*	*	*	*	1	1	*	2
18. BOCACCIO	*	*	*	*	*	2	*	2
19. CANARY ROCKFISH	*	*	*	*	3	8	*	10
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	0
21. COPPER ROCKFISH	*	*	*	*	3	3	*	6
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	5	*	6
26. GULLBACK ROCKFISH	*	*	*	*	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	2	*	2
28. STARRY ROCKFISH	*	*	*	*	*	0	*	0
29. VERMILION ROCKFISH	*	*	*	*	*	1	*	1
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	23	*	27
33. ROCKFISHES, OTHER	*	*	*	*	17	3	*	19
34. KELP GREENLING	*	*	*	*	0	*	*	0
35. LINGCOD	*	*	*	*	1	0	*	1
38. CABEZON	*	*	*	*	0	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	0
40. SOULPINS, OTHER	*	*	*	*	1	*	*	1
63. SURFPERCHES, OTHER	*	*	*	*	12	*	*	12
67. PACIFIC MACKEREL	*	*	*	*	2	*	*	2
69. STARRY FLOUNDER	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	1
74. SALMONIDS	*	*	*	*	0	*	*	0
75. OTHER FISH	*	*	*	*	0	6	*	6
TOTAL	0	0	0	0	51	57	0	109

TABLE 8.

ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	2	*	2	18	4	*	26
02. SPINY DOGFISH	*	*	*	*	0	*	*	1
03. SHARK, OTHER	*	2	*	2	59	1	*	64
04. STURGEONS	1	*	*	1	21	19	*	41
06. NORTHERN ANCHOVY	9	26	*	*	*	*	*	35
09. PACIFIC COD	1	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	5	*	*	0	*	*	*	5
13. SILVERSIDES	*	*	*	23	*	*	*	23
14. JACKSMELT	178	1	3	146	54	*	*	382
15. BLACK ROCKFISH	*	*	*	*	8	2	*	10
16. BLUE ROCKFISH	*	1	*	*	3	27	*	30
17. BROWN ROCKFISH	17	2	5	3	34	4	*	66
18. BOCACCIO	*	*	*	*	3	29	*	32
19. CANARY ROCKFISH	*	*	*	*	4	4	*	28
21. COPPER ROCKFISH	*	*	*	*	4	20	*	24
22. GOPHER ROCKFISH	*	*	*	*	1	1	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	15	*	15
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	3
25. OLIVE ROCKFISH	*	*	*	*	2	2	*	4
27. ROSY ROCKFISH	*	*	*	*	3	8	*	12
28. STARRY ROCKFISH	*	*	*	*	1	3	*	3
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	88	*	88
33. ROCKFISHES, OTHER	16	4	10	1	32	118	*	182
34. KELP GREENLING	*	0	*	7	*	*	*	7
35. LINGCOD	1	*	*	4	10	16	*	31
36. GREENLINGS, OTHER	*	*	*	1	0	*	*	2
38. CABEZON	*	*	*	7	1	*	*	8
39. PAC. STAGHORN SCULPIN	273	21	45	112	71	*	*	522
40. SCULPINS, OTHER	8	*	*	*	*	*	*	8
43. KELP BASS	*	*	*	1	*	*	*	1
44. STRIPED BASS	13	0	*	6	31	12	*	62
48. WHITE CROAKER	54	1	*	7	59	*	*	121
53. BARRED SURFFERCH	1	*	*	69	1	2	*	73
54. BLACK PERCH	5	3	8	8	6	*	*	31
55. PILE PERCH	4	*	*	6	16	*	*	26
56. REDTAIL SURFFERCH	4	0	*	34	*	2	*	40
57. RUBBERLIP SEAPERCH	1	*	*	2	2	*	*	5
58. SHINER PERCH	65	2	*	1	12	*	*	81
59. SILVER SURFFERCH	0	*	*	46	2	*	*	48
60. STRIPED SEAPERCH	1	0	*	10	3	*	*	14
61. WALLEYE SURFFERCH	29	3	2	16	42	16	*	109
62. WHITE SEAPERCH	5	2	*	1	12	*	*	18
63. SURFFERCHES, OTHER	691	2	*	26	65	7	*	791
67. PACIFIC MACKEREL	*	*	*	*	*	1	*	1
69. STARRY FLUNDER	11	4	*	34	29	11	*	88
70. CALIFORNIA HALIBUT	1	*	*	*	8	*	*	9
73. FLATFISHES, OTHER	6	0	*	1	7	2	*	16
74. SALMONIDS	0	*	*	*	*	*	*	0
75. OTHER FISH	32	*	2	10	20	13	*	77
TOTAL	1,433	74	74	588	645	458	0	3,273

TABLE 9.

ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO
COASTAL COUNTY DISTRICT - OCEAN, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	0	*	1	2	1	*	*	5
09. PACIFIC COD	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	3	*	*	0	*	*	*	*	3
14. JACKSMELT	3	*	*	*	13	*	*	*	16
15. BLACK ROCKFISH	*	*	*	*	8	2	*	*	10
16. BLUE ROCKFISH	*	1	*	*	1	25	*	*	26
17. BROWN ROCKFISH	*	2	*	0	8	3	*	*	13
18. BOCACCIO	*	*	*	*	3	28	*	*	33
19. CANARY ROCKFISH	*	*	*	*	4	22	*	*	26
21. COPPER ROCKFISH	*	*	*	*	4	25	*	*	29
22. GOPHER ROCKFISH	*	*	*	*	1	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	15	*	*	15
26. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	2	2	*	*	4
27. ROSY ROCKFISH	*	*	*	*	3	8	*	*	11
28. STARRY ROCKFISH	*	*	*	*	1	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	88	*	*	88
33. ROCKFISHES, OTHER	4	4	*	1	17	118	*	*	144
34. KELP GREENLING	*	0	*	4	*	*	*	*	4
35. LINGCOD	*	*	*	*	10	15	*	*	25
36. GREENLINGS, OTHER	*	*	*	0	0	*	*	*	0
38. CABEZON	*	1	*	5	*	*	*	*	6
39. PAC. STAGHORN SCULPIN	11	3	*	3	1	*	*	*	18
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
44. STRIPED BASS	0	*	*	3	1	3	*	*	8
48. WHITE CROAKER	9	1	*	2	19	*	*	*	31
53. BARRED SURFPERCH	1	*	*	6	*	2	*	*	7
54. BLACK PERCH	*	0	*	1	0	*	*	*	1
56. REDTAIL SURFPERCH	4	0	*	34	*	2	*	*	40
57. RUBBERLIP SEAPERCH	*	*	*	2	*	*	*	*	2
58. SHINER PERCH	10	1	*	*	2	*	*	*	13
59. SILVER SURFPERCH	0	*	*	39	2	*	*	*	41
60. STRIPED SEAPERCH	*	0	*	9	*	*	*	*	9
61. WALLEYE SURFPERCH	9	1	*	14	1	16	*	*	41
62. WHITE SEAPERCH	2	*	*	*	*	*	*	*	2
63. SURFPERCHES, OTHER	10	1	*	19	*	7	*	*	37
67. PACIFIC HACKEREL	*	*	*	*	*	1	*	*	1
69. STARRY FLOUNDER	*	1	*	4	*	*	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	2	*	*	*	2
73. FLATFISHES, OTHER	*	0	*	0	5	2	*	*	7
74. SALMONIDS	0	*	*	*	*	*	*	*	0
75. OTHER FISH	*	*	*	4	5	10	*	*	19
TOTAL	67	16	0	215	113	405	0	0	816

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1982--DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	2	*	2	18	4	*	*	26
02. SPINY DOGFISH	*	*	*	*	0	0	*	*	1
03. SHARK, OTHER	*	1	*	1	57	0	*	*	59
04. STURGEONS	1	*	*	1	21	19	*	*	41
06. NORTHERN ANCHOVY	9	26	*	*	*	*	*	*	35
10. PACIFIC TOMCOD	3	*	*	*	*	*	*	*	3
13. SILVERSIDES	*	*	*	23	*	*	*	*	23
14. JACKSMELT	176	1	3	146	41	*	*	*	367
16. BLUE ROCKFISH	*	*	*	*	2	2	*	*	4
17. BROWN ROCKFISH	17	*	5	3	26	1	*	*	52
19. CANARY ROCKFISH	*	*	*	*	*	2	*	*	2
27. ROSEY ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	12	*	10	*	15	*	*	*	38
34. KELP GREENLING	*	*	*	3	*	*	*	*	3
35. LINGCOD	1	*	*	4	*	1	*	*	6
36. GREENLINGS, OTHER	*	*	*	1	0	*	*	*	1
38. CABEZON	*	*	*	2	*	*	*	*	2
39. PAC. STAGHORN SCULPIN	262	18	45	108	71	*	*	*	504
40. SCULPINS, OTHER	8	*	*	*	*	*	*	*	8
43. KELP BASS	*	*	*	1	*	*	*	*	1
44. STRIPED BASS	13	0	*	3	29	8	*	*	54
48. WHITE CROAKER	45	0	*	5	40	*	*	*	90
53. BARRED SURFPERCH	0	*	*	*	1	*	*	*	1
54. BLACK PERCH	5	3	8	7	6	*	*	*	30
55. PILE PERCH	4	*	*	6	16	*	*	*	26
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	*	*	2	*	*	*	3
58. SHINER PERCH	55	2	*	1	11	*	*	*	69
59. SILVER SURFPERCH	0	*	*	7	0	*	*	*	7
60. STRIPED SEAPERCH	1	*	*	1	3	*	*	*	5
61. WALLEYE SURFPERCH	20	2	2	3	42	*	*	*	68
62. WHITE SEAPERCH	3	*	*	1	12	*	*	*	16
63. SURFPERCHES, OTHER	682	1	*	6	26	*	*	*	734
69. STARRY FLOUNDER	11	2	*	30	29	11	*	*	83
70. CALIFORNIA HALIBUT	1	*	*	*	6	*	*	*	7
73. FLATFISHES, OTHER	6	*	*	1	2	*	*	*	9
75. OTHER FISH	32	*	2	6	15	3	*	*	58
TOTAL	1,366	58	74	373	532	53	0	0	2,456

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	*	*	1	2	*	*	*	2
12. PACIFIC HAKE	*	*	*	*	2	*	*	*	2
14. JACKSMELT	10	3	*	5	1	*	*	*	19
15. BLACK ROCKFISH	*	*	*	*	0	0	*	*	0
16. BLUE ROCKFISH	*	*	*	*	172	458	*	*	630
17. BROWN ROCKFISH	*	0	*	1	15	*	*	*	16
18. BOCCACCIO	*	*	*	*	0	102	*	*	102
19. CANARY ROCKFISH	*	*	*	*	13	28	*	*	41
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	156	*	*	156
21. COPPER ROCKFISH	*	*	*	*	11	6	*	*	17
22. GOPHER ROCKFISH	*	*	*	*	12	6	*	*	18
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	9	*	*	11
24. GREENSTRIPED ROCKFISH	*	*	*	*	2	8	*	*	8
25. OLIVE ROCKFISH	*	*	*	*	98	51	*	*	144
27. ROSY ROCKFISH	*	*	*	*	*	2	*	*	2
28. STARRY ROCKFISH	*	*	*	*	4	21	*	*	24
29. VERMILION ROCKFISH	*	*	*	*	6	5	*	*	11
30. WIDOW ROCKFISH	*	*	*	*	0	95	*	*	95
31. YELLOWTAIL ROCKFISH	*	*	*	*	18	344	*	*	362
33. ROCKFISHES, OTHER	0	0	*	0	216	170	*	*	387
34. KELP GREENLING	*	0	*	0	3	*	*	*	4
35. LINGCOD	1	*	*	0	24	17	*	*	42
38. CABEZON	*	0	*	1	1	0	*	*	3
39. PAC. STAGHORN SCULPIN	7	9	*	93	*	*	*	*	108
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
45. SEA BASSES, OTHER	*	*	*	0	*	*	*	*	0
48. WHITE CRONKER	7	*	*	1	44	*	*	*	52
50. CRONKERS, OTHER	*	*	*	*	0	*	*	*	0
53. BARRED SURFPERCH	0	*	*	35	*	*	*	*	35
54. BLACK PERCH	0	*	*	1	1	*	*	*	2
55. PILE PERCH	*	0	*	1	*	*	*	*	2
56. REDTAIL SURFPERCH	*	*	*	3	*	*	*	*	3
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	3	*	*	0	*	*	*	*	3
59. SILVER SURFPERCH	*	0	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	0	0	*	2	0	*	*	*	2
61. WALLEYE SURFPERCH	1	4	*	20	*	*	*	*	25
62. WHITE SEAPERCH	1	0	*	19	*	*	*	*	21
63. SURFPERCHES, OTHER	52	3	*	61	15	*	*	*	131
67. PACIFIC MACKEREL	6	*	*	*	82	105	*	*	193
69. STARRY FLOUNDER	2	1	*	1	0	*	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	8	0	*	*	8
71. PACIFIC SANDDAB	1	*	*	0	37	*	*	*	38
73. FLATFISHES, OTHER	14	0	*	2	15	2	*	*	33
75. OTHER FISH	0	1	*	1	2	5	*	*	9
TOTAL	106	21	0	252	801	1,590	0	0	2,770

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	0	*	*	*	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMILT	49	*	*	*	3	*	*	*	52
15. BLACK ROCKFISH	*	*	*	*	4	*	*	*	4
16. BLUE ROCKFISH	*	*	*	*	148	289	*	*	438
17. BROWN ROCKFISH	*	*	*	*	8	*	*	*	8
18. BOCACCIO	0	*	*	*	1	3	*	*	4
19. CANARY ROCKFISH	*	*	*	*	11	*	*	*	15
21. COPPER ROCKFISH	*	*	*	*	14	8	*	*	22
22. GOPHER ROCKFISH	*	*	*	*	47	0	*	*	48
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	1	*	*	3
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	*	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	31	4	*	*	34
27. ROSY ROCKFISH	*	*	*	*	26	11	*	*	37
28. STARRY ROCKFISH	*	*	*	*	11	31	*	*	41
29. VERMILION ROCKFISH	*	*	*	*	8	3	*	*	12
30. WIDOW ROCKFISH	*	*	*	*	*	0	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	19	66	*	*	84
33. ROCKFISHES, OTHER	*	*	*	5	82	5	*	*	92
34. KELP GREENLING	*	*	*	*	0	*	*	*	0
35. LINGCOD	0	*	*	0	5	1	*	*	6
36. GREENLING, OTHER	*	*	*	0	0	*	*	*	1
38. CABEZON	*	*	*	2	37	*	*	*	39
39. PAC. STAGHORN SCULPIN	15	*	*	*	*	*	*	*	15
43. KELP BASS	*	*	*	1	*	*	*	*	1
48. WHITE CROAKER	19	*	*	*	12	*	*	*	32
51. OPALLEYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	9	*	*	74	1	*	*	*	83
54. BLACK PERCH	1	*	*	*	*	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	0	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	5	*	*	*	*	*	*	*	5
59. SILVER SURFPERCH	6	*	*	60	0	*	*	*	66
60. STRIPED SEAPERCH	*	*	*	1	*	*	*	*	1
61. WALLEYE SURFPERCH	3	*	*	4	*	*	*	*	7
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	29	*	*	19	*	*	*	*	48
66. PACIFIC BONITO	0	*	*	*	4	*	*	*	4
67. PACIFIC MACKEREL	15	*	*	*	9	4	*	*	28
69. STARRY FLOUNDER	0	*	*	0	3	*	*	*	3
70. CALIFORNIA HALIBUT	3	*	*	*	6	*	*	*	8
71. PACIFIC SANDOAB	*	*	*	*	12	*	*	*	12
72. ROCK SOLE	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	0	*	*	*	3	*	*	*	3
74. SALMONIDS	0	*	*	*	*	*	*	*	0
75. OTHER FISH	1	*	*	1	1	*	*	*	3
TOTAL	155	0	0	169	510	431	0	0	1,265

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1982---DEC 1982.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	12	4	34	0	0	77	0	1	166	13	4	33
02. SPINY DOGFISH	0	0	100	*	*	*	1	0	55	0	0	71	1	1	103	1	1	53
03. SHARK, OTHER	0	0	70	*	*	*	4	1	23	0	0	71	*	*	*	1	1	1
04. STURGEONS	*	*	*	*	*	*	22	5	22	*	*	*	*	*	*	22	5	22
05. PACIFIC HERRING	*	*	*	66	45	67	*	*	*	*	*	*	*	*	*	66	45	67
06. NORTHERN ANCHOVY	0	0	100	16	17	107	31	22	71	*	*	*	*	*	*	47	28	59
07. SURF SLEET	145	131	90	515	263	51	*	*	*	*	*	*	*	*	*	660	294	44
08. SHELTS, OTHER	*	*	*	1	1	100	1	*	*	*	*	*	*	*	*	1	1	100
09. PACIFIC COD	*	*	*	1	*	*	1	1	100	*	*	*	*	*	*	1	1	100
10. PACIFIC TOMCOD	0	0	100	0	0	89	4	2	57	*	*	*	*	*	*	4	2	57
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	1	1	100	*	*	*	1	1	100
13. SILVERSIDES	*	*	*	*	*	*	23	23	100	*	*	*	*	*	*	23	23	100
14. JACKSMELT	0	0	88	*	*	*	336	103	31	18	8	48	36	27	74	390	106	27
15. BLACK ROCKFISH	111	146	131	28	27	97	10	6	54	0	0	72	4	6	133	154	149	98
16. BLUE ROCKFISH	9	13	147	70	67	95	30	10	32	58	28	45	428	264	623	1,124	378	54
17. BROWN ROCKFISH	0	0	105	2	1	50	63	23	39	16	9	53	8	5	71	89	47	30
18. BOCACCIO	1	1	100	6	2	30	22	15	47	102	38	37	4	4	103	145	21	21
19. CANARY ROCKFISH	13	21	165	42	28	66	28	11	38	41	19	47	15	8	53	138	72	30
20. CHILLIPEPPER ROCKFISH	*	*	*	0	0	100	20	*	*	156	79	51	*	*	*	156	79	51
21. COPPER ROCKFISH	7	6	85	12	5	46	24	12	51	17	6	35	22	13	58	82	20	25
22. GOPHER ROCKFISH	*	*	*	1	0	63	1	1	71	18	8	43	48	50	106	68	50	74
23. GREENSPOTTED ROCKFISH	*	*	*	1	0	44	15	7	46	11	4	40	3	2	53	31	5	28
24. GREENSTRIPED ROCKFISH	*	*	*	0	0	84	3	2	82	8	4	55	0	0	73	11	9	44
25. OLIVE ROCKFISH	*	*	*	6	2	36	4	2	57	144	57	40	34	30	88	188	66	34
26. QUILTBACK ROCKFISH	*	*	*	1	1	76	*	*	*	*	*	*	*	*	*	1	1	76
27. ROSY ROCKFISH	1	2	122	8	5	62	12	6	55	2	2	82	37	27	73	66	28	47
28. STARRY ROCKFISH	0	0	100	0	0	100	3	2	66	24	15	61	41	27	66	69	31	44
29. VERMILION ROCKFISH	1	0	70	4	4	108	4	4	82	10	3	30	12	5	46	30	8	28
30. WIDOW ROCKFISH	*	*	*	1	0	52	2	2	93	55	43	46	0	0	117	88	43	44
31. YELLOWTAIL ROCKFISH	2	2	100	135	168	125	88	38	43	361	266	74	84	63	74	671	323	48
33. ROCKFISHES, OTHER	3	2	46	35	13	34	147	27	18	260	89	34	91	94	103	537	133	20
34. KELP GREENLING	7	3	40	13	3	36	7	4	55	3	3	80	0	0	76	32	7	23
35. LINGCOD	10	11	114	17	9	53	25	11	44	27	9	33	6	3	46	81	20	24
36. GREENLING, OTHER	0	0	82	9	3	32	1	1	62	*	*	*	0	0	70	11	3	27
38. CABEZON	3	1	42	8	2	32	5	2	46	2	1	38	38	36	94	56	36	64
39. PAC. STAGHORN SCULPIN	*	*	*	0	0	230	40	5	12	63	52	83	0	0	199	103	52	50
40. SCULPINS, OTHER	1	2	219	1	1	46	0	0	100	0	*	*	*	*	*	2	2	10
43. KELP BASS	*	*	*	0	0	92	43	1	90	0	0	131	1	1	100	43	9	19
44. STRIPED BASS	*	*	*	*	*	*	43	9	21	0	0	100	*	*	*	43	9	21
48. WHITE CRONKER	*	*	*	*	*	*	112	34	30	36	16	43	22	16	74	171	41	24
51. OPALYE	*	*	*	*	*	*	*	*	*	*	*	*	1	1	121	1	1	121
53. BARRED SURFPERCH	*	*	*	0	0	100	73	36	50	33	15	44	75	56	100	182	68	18
54. BLACK PERCH	*	*	*	*	*	*	31	9	28	2	1	50	1	1	100	34	9	28
55. PILE PERCH	0	0	123	0	0	79	26	9	33	2	1	58	*	*	*	26	9	31
56. REDTAIL SURFPERCH	42	37	89	1	1	39	40	18	44	3	2	71	1	2	146	88	42	47
57. RUBBERLIP SEAPERCH	*	*	*	0	0	58	5	2	50	0	0	71	0	0	100	6	2	42
58. SHINER PERCH	2	1	49	3	2	70	52	18	34	0	2	57	4	6	176	63	16	30
59. SILVER SURFPERCH	0	0	100	1	1	71	46	19	62	14	1	44	61	47	117	110	51	12
60. STRIPED SEAPERCH	4	3	66	20	8	40	14	9	42	0	1	54	1	1	63	42	12	46
61. WALLEYE SURFPERCH	1	2	157	3	3	84	109	32	29	0	17	69	7	5	70	165	37	20
62. WHITE SEAPERCH	1	1	73	0	0	47	18	10	57	21	13	63	0	0	100	39	16	42
63. SURFPERCHES, OTHER	0	0	100	4	2	62	89	20	22	60	27	46	30	23	77	182	41	24
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	*	*	*	4	3	97	4	3	97
67. PACIFIC MACKEREL	*	*	*	3	2	55	1	0	26	18	74	40	21	12	57	209	75	10
68. TUNAS	*	*	*	0	0	100	*	*	*	*	*	*	*	*	*	0	0	100
69. STARRY FLOUNDER	0	0	91	1	0	62	79	14	18	4	2	42	3	4	129	87	14	17
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	9	3	33	2	1	50	6	6	100	17	6	39
71. PACIFIC SANDDAB	4	4	97	6	5	80	*	*	*	2	18	82	12	16	133	45	20	57
72. ROCK SOLE	*	*	*	0	0	64	*	*	*	*	*	*	0	0	75	1	1	64
73. FLATFISHES, OTHER	2	1	77	1	1	80	13	5	34	30	11	37	3	2	76	50	12	21
74. SALMONIDS	1	0	65	3	1	49	0	0	100	*	*	*	0	0	100	4	1	37
75. OTHER FISH	3	2	70	17	6	34	55	10	17	2	1	44	2	2	98	80	12	15
TOTAL	377	202	54	1,064	326	31	1,797	145	8	2,400	414	17	1,169	310	27	6,807	660	10

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	4	8	*	206	199	0	*	*	377
MENDOCINO/SONOMA (NON-BOAT MODES)	91	4	*	583	*	*	*	*	678
MENDOCINO (BOAT MODES)	*	*	*	*	85	210	*	*	295
SONOMA (BOAT MODES)	*	*	*	*	36	56	*	*	91
SAN FRANCISCO	437	48	18	444	417	433	*	*	1,797
SANTA CRUZ/MONTEREY	82	10	*	161	662	1,486	*	*	2,400
SAN LUIS OBISPO	92	0	*	154	494	429	*	*	1,169
TOTAL	705	70	18	1,547	1,853	2,614	0	0	6,807

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	1	*	2	9	1	*	*	13
02. SPINY DOGFISH	*	*	*	*	1	0	*	*	1
03. SHARK, OTHER	0	*	*	0	4	0	*	*	4
04. STURGEONS	0	*	*	1	12	9	*	*	22
05. PACIFIC HERRING	65	*	*	1	*	*	*	*	66
06. NORTHERN ANCHOVY	21	26	*	*	0	*	*	*	47
07. SURF SMELT	*	*	*	660	*	*	*	*	660
08. SHELTS, OTHER	*	*	*	1	*	*	*	*	1
09. PACIFIC COD	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	3	0	*	0	*	*	*	*	4
12. PACIFIC HAKE	*	*	*	*	1	*	*	*	1
13. SILVERSIDES	*	*	*	23	*	*	*	*	23
14. JACKSMELT	220	4	3	146	17	*	*	*	390
15. BLACK ROCKFISH	0	2	3	6	130	17	*	*	154
16. BLUE ROCKFISH	*	1	*	3	312	807	*	*	1,124
17. BROWN ROCKFISH	15	2	5	4	58	4	*	*	89
18. BOCCACCIO	0	*	*	0	5	140	*	*	145
19. CANARY ROCKFISH	0	*	*	0	54	83	*	*	138
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	156	*	*	156
21. COPPER ROCKFISH	*	0	*	*	42	39	*	*	82
22. GOPHER ROCKFISH	*	*	*	*	61	7	*	*	68
23. GREENSPOTTED ROCKFISH	*	*	*	*	5	26	*	*	31
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	11	*	*	11
25. OLIVE ROCKFISH	*	*	*	*	126	62	*	*	188
26. QUILLBACK ROCKFISH	*	*	*	*	1	0	*	*	1
27. ROSY ROCKFISH	*	*	*	*	33	28	*	*	60
28. STARRY ROCKFISH	*	*	*	*	15	54	*	*	69
29. VERMILION ROCKFISH	*	*	*	*	14	16	*	*	30
30. WIDOW ROCKFISH	*	*	*	*	0	98	*	*	98
31. YELLOWTAIL ROCKFISH	*	*	*	*	41	630	*	*	671
33. ROCKFISHES, OTHER	2	4	*	7	307	218	*	*	537
34. KELP GREENLING	0	2	*	21	8	0	*	*	31
35. LINGCOD	1	1	*	4	46	34	*	*	86
36. GREENLINGS, OTHER	*	0	*	11	0	*	*	*	11
38. CABEZON	0	1	*	14	41	0	*	*	56
39. PAC. STAGHORN SCULPIN	22	3	*	72	6	*	*	*	103
40. SCULPINS, OTHER	0	0	*	1	1	*	*	*	2
43. KELP BASS	*	*	*	2	*	*	*	*	2
44. STRIPED BASS	11	*	*	3	19	10	*	*	43
45. SEA BASSES, OTHER	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	62	*	*	8	101	*	*	*	171
50. CROAKERS, OTHER	*	*	*	1	*	*	*	*	1
51. OPALLEY	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	10	*	*	167	2	2	*	*	182
54. BLACK PERCH	6	3	8	10	7	*	*	*	34
55. PILE PERCH	4	0	*	8	16	*	*	*	28
56. REDTAIL SURFPERCH	4	1	*	81	0	2	*	*	88
57. RUBBERLIP SEAPERCH	1	0	*	3	2	*	*	*	6
58. SHINER PERCH	55	2	*	1	6	*	*	*	63
59. SILVER SURFPERCH	6	0	*	100	3	*	*	*	110
60. STRIPED SEAPERCH	2	4	*	32	4	*	*	*	42
61. WALLEYE SURFPERCH	38	7	2	40	43	16	*	*	145
62. WHITE SEAPERCH	7	0	*	20	12	*	*	*	39
63. SURFPERCHES, OTHER	70	0	*	34	72	5	*	*	182
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	0	*	*	*	4	*	*	*	4
67. PACIFIC MACKEREL	16	*	*	*	87	106	*	*	209
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	12	4	*	35	24	11	*	*	87
70. CALIFORNIA HALIBUT	3	*	*	*	13	0	*	*	17
71. PACIFIC SANDDAB	0	*	*	0	45	*	*	*	45
72. ROCK SOLE	*	0	*	0	1	*	*	*	1
73. FLATFISHES, OTHER	18	1	*	2	26	3	*	*	50
74. SALMONIDS	1	*	*	0	2	1	*	*	4
75. OTHER FISH	28	0	*	22	13	16	*	*	80
TOTAL	705	70	18	1,547	1,853	2,614	0	0	6,807

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	0	*	*	*	0	*	*	*	0
05. NORTHERN ANCHOVY	*	*	*	*	0	*	*	*	0
07. SURF SHEL	*	*	*	145	*	*	*	*	145
10. PACIFIC TONGOD	*	*	*	0	*	*	*	*	0
14. JACKSMELT	0	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	0	2	*	5	105	0	*	*	111
16. BLUE ROCKFISH	*	0	*	1	7	*	*	*	9
17. BROWN ROCKFISH	*	*	*	0	*	*	*	*	0
18. BOCCACCIO	*	*	*	*	1	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	13	*	*	*	13
21. COPPER ROCKFISH	*	0	*	*	7	*	*	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	1	*	*	*	1
28. STARRY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	*	*	*	2
33. ROCKFISHES, OTHER	0	0	*	0	3	*	*	*	3
34. KELP GREENLING	0	2	*	3	2	*	*	*	7
35. LINGOOD	*	0	*	2	8	0	*	*	10
36. GREENLINGS, OTHER	*	0	*	*	*	*	*	*	0
38. CABEZON	0	1	*	2	1	*	*	*	3
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	0	*	0	1	*	*	*	1
55. PILE PERCH	0	0	*	0	0	*	*	*	0
56. REDTAIL SURFFERCH	*	0	*	42	0	*	*	*	42
58. SHINER PERCH	2	*	*	*	*	*	*	*	2
59. SILVER SURFFERCH	0	*	*	*	*	*	*	*	0
60. STRIPED SEAPERCH	0	2	*	2	*	*	*	*	4
61. WALLEYE SURFFERCH	1	*	*	0	*	*	*	*	1
62. WHITE SEAPERCH	1	0	*	0	0	*	*	*	1
63. SURFFERCHES, OTHER	*	0	*	*	*	*	*	*	0
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	0	*	*	2	*	*	*	2
74. SALMONIDS	*	*	*	0	0	*	*	*	1
75. OTHER FISH	0	*	*	3	0	*	*	*	3
TOTAL	4	8	0	206	159	0	0	0	377

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	65	*	*	1	*	*	*	*	66
06. NORTHERN ANCHOVY	16	*	*	*	*	*	*	*	16
07. SURF SMELT	*	*	*	515	*	*	*	*	515
08. SMELTS, OTHER	*	*	*	1	*	*	*	*	1
10. PACIFIC TOMCOD	*	0	*	*	*	*	*	*	0
14. JACKSMELT	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	0	*	1	*	*	*	*	1
16. BLUE ROCKFISH	*	0	*	2	*	*	*	*	2
18. BOCCACCIO	*	*	*	0	*	*	*	*	0
19. CANARY ROCKFISH	0	*	*	0	*	*	*	*	0
33. ROCKFISHES, OTHER	1	0	*	1	*	*	*	*	2
34. KELP GREENLING	0	0	*	11	*	*	*	*	11
35. LINGCOD	*	0	*	2	*	*	*	*	2
36. GREENLINGS, OTHER	*	*	*	9	*	*	*	*	9
38. CABEZON	0	0	*	6	*	*	*	*	7
39. PAC. STAGHORN SCULPIN	*	0	*	*	*	*	*	*	0
40. SCULPINS, OTHER	*	0	*	1	*	*	*	*	1
43. KELP BASS	*	0	*	0	*	*	*	*	0
53. BARRED SURFFERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	0	*	0	*	*	*	*	0
56. REDTAIL SURFFERCH	*	0	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	0	*	0	*	*	*	*	0
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFFERCH	*	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	0	2	*	18	*	*	*	*	20
61. WALLEYE SURFFERCH	3	0	*	*	*	*	*	*	3
62. WHITE SEAPERCH	0	0	*	0	*	*	*	*	0
63. SURFFERCHES, OTHER	4	0	*	*	*	*	*	*	4
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	0	*	*	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	0	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	0	*	*	*	*	0
74. SALMONIDS	0	*	*	*	*	*	*	*	0
75. OTHER FISH	*	0	*	11	*	*	*	*	11
TOTAL	91	4	0	583	0	0	0	0	678

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	12	15	*	*	27
16. BLUE ROCKFISH	*	*	*	*	23	40	*	*	63
18. BOACCIO	*	*	*	*	*	3	*	*	3
19. CANARY ROCKFISH	*	*	*	*	11	20	*	*	31
21. COPPER ROCKFISH	*	*	*	*	3	3	*	*	6
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	1	*	*	1
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	0	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	2	4	*	*	6
29. VERMILION ROCKFISH	*	*	*	*	1	2	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	0	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	107	*	*	108
33. ROCKFISHES, OTHER	*	*	*	*	6	12	*	*	17
34. KELP GREENLING	*	*	*	*	2	0	*	*	2
35. LINGCOD	*	*	*	*	12	22	*	*	14
38. CABEZON	*	*	*	*	1	*	*	*	1
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	*	*	*	*	2	*	*	*	2
59. SILVER SURFPERCH	*	*	*	*	0	1	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	0	1	*	*	1
68. TUNAS	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	5	*	*	*	5
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	1	*	*	0
74. SALMONIDS	*	*	*	*	1	1	*	*	2
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	85	210	0	0	295

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	0	1	*	*	0
16. BLUE ROCKFISH	*	*	*	*	5	1	*	*	5
17. BROWN ROCKFISH	*	*	*	*	1	1	*	*	2
18. BOACCIO	*	*	*	*	*	2	*	*	2
19. CANARY ROCKFISH	*	*	*	*	3	8	*	*	10
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	3	3	*	*	6
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	5	*	*	6
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	2	*	*	2
28. STARRY ROCKFISH	*	*	*	*	*	0	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	*	1	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	2	*	*	2
33. ROCKFISHES, OTHER	*	*	*	*	15	20	*	*	27
34. KELP GREENLING	*	*	*	*	0	1	*	*	0
35. LINGCOD	*	*	*	*	0	0	*	*	0
38. CABEZON	*	*	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	2	*	*	*	2
67. PACIFIC MACKEREL	*	*	*	*	2	*	*	*	2
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	0	6	*	*	6
TOTAL	0	0	0	0	36	56	0	0	91

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	1	*	1	9	1	*	*	12
02. SPINY DOGFISH	*	*	*	*	0	0	*	*	1
03. SHARK, OTHER	*	*	*	*	4	0	*	*	4
04. STURGEONS	0	*	*	1	12	9	*	*	22
06. NORTHERN ANCHOVY	5	26	*	*	*	*	*	*	31
09. PACIFIC OOD	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	3	*	*	0	*	*	*	*	4
13. SILVERSIDES	*	*	*	23	*	*	*	*	23
14. JACKSMILT	177	1	3	142	13	*	*	*	336
15. BLACK ROCKFISH	*	*	*	*	8	2	*	*	10
16. BLUE ROCKFISH	*	1	*	3	3	27	*	*	30
17. BROCK ROCKFISH	15	2	5	3	34	4	*	*	63
18. BOCACCIO	*	*	*	*	3	29	*	*	32
19. CANARY ROCKFISH	*	*	*	*	4	24	*	*	28
21. COPPER ROCKFISH	*	*	*	*	4	20	*	*	24
22. GOPHER ROCKFISH	*	*	*	*	1	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	15	*	*	15
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	2	2	*	*	4
27. ROSY ROCKFISH	*	*	*	*	5	8	*	*	12
28. STARRY ROCKFISH	*	*	*	*	1	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	88	*	*	88
33. ROCKFISHES, OTHER	1	3	*	1	28	114	*	*	147
34. KELP GREENLING	*	0	*	7	*	*	*	*	7
35. LINGCOD	0	*	*	*	9	16	*	*	25
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	1	*	4	1	*	*	*	5
39. PAC. STAGHORN SCULPIN	22	2	*	10	6	*	*	*	46
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
43. KELP BASS	*	*	*	1	*	*	*	*	1
44. STRIPED BASS	11	*	*	3	19	10	*	*	43
48. WHITE CROAKER	49	*	*	7	57	*	*	*	112
53. BARRED SURFPERCH	1	*	*	69	1	2	*	*	73
54. BLACK PERCH	5	3	8	8	6	*	*	*	31
55. PILE PERCH	4	*	*	6	16	*	*	*	26
56. REDTAIL SURFPERCH	4	0	*	34	*	2	*	*	40
57. RUBBERLIP SEAPERCH	1	*	*	2	2	*	*	*	5
58. SHINER PERCH	45	2	*	1	5	*	*	*	52
59. SILVER SURFPERCH	0	*	*	43	2	*	*	*	46
60. STRIPED SEAPERCH	1	0	*	9	3	*	*	*	14
61. WALLEYE SURFPERCH	29	3	2	16	42	16	*	*	109
62. WHITE SEAPERCH	5	*	*	1	12	*	*	*	18
63. SURFPERCHES, OTHER	12	0	*	9	62	5	*	*	89
67. PACIFIC MACKEREL	*	*	*	*	*	1	*	*	1
69. STARRY FLOUNDER	10	4	*	33	21	11	*	*	79
70. CALIFORNIA HALIBUT	1	*	*	*	8	*	*	*	9
73. FLATFISHES, OTHER	6	0	*	1	5	2	*	*	13
74. SALMONIDS	0	*	*	*	*	*	*	*	0
75. OTHER FISH	28	*	*	6	12	10	*	*	55
TOTAL	437	48	18	444	417	433	0	0	1,797

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH NET	BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*	*
09. PACIFIC COD	1	*	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	3	*	*	0	*	*	*	*	*	3
14. JACKSMELT	2	*	*	*	*	*	*	*	*	2
15. BLACK ROCKFISH	*	*	*	*	8	2	*	*	*	10
16. BLUE ROCKFISH	*	1	*	*	1	2	*	*	*	2
17. BROWN ROCKFISH	*	2	*	0	8	3	*	*	*	13
18. BOCCACCIO	*	*	*	*	3	2	*	*	*	3
19. CANARY ROCKFISH	*	*	*	*	4	2	*	*	*	2
21. COPPER ROCKFISH	*	*	*	*	4	2	*	*	*	2
22. GOPHER ROCKFISH	*	*	*	*	1	1	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	15	*	*	*	15
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	2	2	*	*	*	4
27. ROSE ROCKFISH	*	*	*	*	3	8	*	*	*	11
28. STARRY ROCKFISH	*	*	*	*	1	3	*	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	28	*	*	*	28
33. ROCKFISHES, OTHER	*	3	*	1	16	114	*	*	*	134
34. KELP GREENLING	*	0	*	4	*	*	*	*	*	4
35. LINGCOD	*	*	*	*	9	15	*	*	*	24
36. GREENLINGS, OTHER	*	*	*	0	*	*	*	*	*	0
38. CABEZON	*	1	*	3	0	*	*	*	*	4
39. PAC. STAGHORN SCULPIN	2	*	*	1	*	*	*	*	*	3
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	*	0
44. STRIPED BASS	*	*	*	*	1	3	*	*	*	4
48. WHITE CROAKER	4	*	*	2	17	*	*	*	*	23
53. BARRED SURFPERCH	1	*	*	69	*	2	*	*	*	72
54. BLACK PERCH	*	0	*	1	0	*	*	*	*	1
56. REDTAIL SURFPERCH	4	0	*	34	*	2	*	*	*	40
57. RUBBERLIP SEAPERCH	*	*	*	2	*	*	*	*	*	2
58. SHINER PERCH	9	*	*	*	*	*	*	*	*	10
59. SILVER SURFPERCH	0	*	*	37	2	*	*	*	*	39
60. STRIPED SEAPERCH	*	0	*	9	*	*	*	*	*	9
61. WALLEYE SURFPERCH	9	1	*	14	1	16	*	*	*	41
62. WHITE SEAPERCH	2	*	*	*	*	*	*	*	*	2
63. SURFPERCHES, OTHER	4	*	*	5	*	5	*	*	*	14
67. PACIFIC MACKEREL	*	*	*	*	*	1	*	*	*	1
69. STARRY FLOUNDER	*	1	*	4	*	*	*	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	2	*	*	*	*	2
73. FLATFISHES, OTHER	*	0	*	*	4	2	*	*	*	6
74. SALMONIDS	0	*	*	*	*	*	*	*	*	0
75. OTHER FISH	*	*	*	3	0	10	*	*	*	13
TOTAL	40	9	0	188	87	398	0	0	0	723

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	1	*	1	9	1	*	*	12
02. SPINY DOGFISH	*	*	*	*	0	0	*	*	1
03. SHARK, OTHER	*	*	*	*	4	0	*	*	4
04. STURGEONS	0	*	*	1	12	9	*	*	22
06. NORTHERN ANCHOVY	5	26	*	*	*	*	*	*	31
10. PACIFIC TOMCOD	1	*	*	*	*	*	*	*	1
13. SILVERSIDES	*	*	*	23	*	*	*	*	23
14. JACKSMILT	175	1	3	142	13	*	*	*	334
16. BLUE ROCKFISH	*	*	*	*	2	2	*	*	4
17. BROWN ROCKFISH	15	*	5	3	26	1	*	*	50
19. CANARY ROCKFISH	*	*	*	*	0	2	*	*	2
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	1	*	*	*	12	*	*	*	13
34. KELP GREENLING	*	*	*	3	*	*	*	*	3
35. LINGCOD	0	*	*	*	*	1	*	*	1
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	*	*	1	0	*	*	*	2
39. PAC. STAGHORN SCULPIN	20	2	*	9	6	*	*	*	38
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	1	*	*	*	*	1
44. STRIPED BASS	11	*	*	3	19	7	*	*	39
48. WHITE CROAKER	45	*	*	5	40	*	*	*	89
53. BARRED SURFFERCH	0	*	*	*	1	*	*	*	1
54. BLACK PERCH	5	3	*	8	7	*	*	*	30
55. PILE PERCH	4	*	*	6	16	*	*	*	28
56. REDTAIL SURFFERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	*	*	2	*	*	*	3
58. SHINER PERCH	37	2	*	1	3	*	*	*	42
59. SILVER SURFFERCH	0	*	*	7	0	*	*	*	7
60. STRIPED SEAPERCH	1	*	*	0	3	*	*	*	5
61. WALLEYE SURFFERCH	20	2	2	3	42	*	*	*	68
62. WHITE SEAPERCH	3	*	*	1	12	*	*	*	16
63. SURFFERCHES, OTHER	9	0	*	5	22	*	*	*	35
69. STARRY FLOUNDER	10	2	*	29	21	11	*	*	73
70. CALIFORNIA HALIBUT	1	*	*	*	6	*	*	*	7
73. FLATFISHES, OTHER	6	*	*	1	1	*	*	*	7
75. OTHER FISH	28	*	*	3	11	*	*	*	42
TOTAL	397	38	18	256	330	35	0	0	1,074

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	*	*	0	0	*	*	*	0
12. PACIFIC HAKE	*	*	*	1	0	*	*	*	1
14. JACKSMELT	10	3	*	4	0	*	*	*	18
15. BLACK ROCKFISH	*	*	*	*	0	0	*	*	0
16. BLUE ROCKFISH	*	*	*	*	136	450	*	*	586
17. BROWN ROCKFISH	*	0	*	1	15	*	*	*	16
18. BOCCACIO	*	*	*	*	0	102	*	*	102
19. CANARY ROCKFISH	*	*	*	*	13	28	*	*	41
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	156	*	*	156
21. COPPER ROCKFISH	*	*	*	*	11	6	*	*	17
22. GOPHER ROCKFISH	*	*	*	*	12	9	*	*	18
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	6	*	*	11
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	8	*	*	8
25. OLIVE ROCKFISH	*	*	*	*	98	51	*	*	144
27. ROSY ROCKFISH	*	*	*	*	*	2	*	*	2
28. STARRY ROCKFISH	*	*	*	*	4	21	*	*	24
29. VERMILION ROCKFISH	*	*	*	*	4	5	*	*	10
30. WIDOW ROCKFISH	*	*	*	*	0	95	*	*	95
31. YELLOWTAIL ROCKFISH	*	*	*	*	18	343	*	*	361
33. ROCKFISHES, OTHER	*	0	*	0	173	86	*	*	260
34. KELP GREENLING	*	0	*	*	3	*	*	*	3
35. LINGCOD	1	*	*	*	12	14	*	*	27
38. CABEZON	*	0	*	1	1	0	*	*	2
39. PAC. STAGHORN SCULPIN	0	1	*	62	*	*	*	*	63
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
45. SEA BASSES, OTHER	*	*	*	*	*	*	*	*	*
48. WHITE CROKER	3	*	*	1	32	*	*	*	36
50. CROKERS, OTHER	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	33	*	*	*	*	33
54. BLACK PERCH	0	*	*	1	1	*	*	*	2
55. PILE PERCH	*	0	*	1	*	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	3	*	*	*	*	3
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	3	*	*	*	*	*	*	*	3
59. SILVER SURFPERCH	*	0	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	0	0	*	2	0	*	*	*	2
61. WALLEYE SURFPERCH	1	4	*	20	*	*	*	*	26
62. WHITE SEAPERCH	1	0	*	19	*	*	*	*	21
63. SURFPERCHES, OTHER	42	*	*	8	10	*	*	*	60
67. PACIFIC MACKEREL	5	*	*	*	77	102	*	*	183
69. STARRY FLOUNDER	2	0	*	1	0	*	*	*	4
70. CALIFORNIA HALIBUT	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	0	22	*	*	*	23
73. FLATFISHES, OTHER	13	0	*	1	15	1	*	*	30
75. OTHER FISH	0	0	*	0	1	0	*	*	2
TOTAL	82	10	0	161	662	1,486	0	0	2,400

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	*	*	1
03. SHARK, OTHER	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	3	*	*	*
14. JACKSMELT	33	*	*	*	3	*	*	36
15. BLACK ROCKFISH	*	*	*	*	4	*	*	4
16. BLUE ROCKFISH	*	*	*	*	138	289	*	428
17. BROWN ROCKFISH	*	*	*	*	8	*	*	8
18. BOACCIO	0	*	*	*	1	3	*	4
19. CANARY ROCKFISH	*	*	*	*	11	3	*	15
21. COPPER ROCKFISH	*	*	*	*	14	8	*	22
22. GOPHER ROCKFISH	*	*	*	*	47	0	*	48
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	1	*	3
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	31	4	*	34
27. ROSY ROCKFISH	*	*	*	*	26	11	*	37
28. STARRY ROCKFISH	*	*	*	*	11	31	*	41
29. VERMILION ROCKFISH	*	*	*	*	8	3	*	12
30. WIDOW ROCKFISH	*	*	*	*	*	0	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	19	66	*	84
33. ROCKFISHES, OTHER	*	*	*	5	81	5	*	91
34. KELP GREENLING	*	*	*	*	0	*	*	0
35. LINGCOD	*	*	*	0	5	1	*	6
36. GREENLINGS, OTHER	*	*	*	0	0	*	*	1
38. CABEZON	*	*	*	1	37	*	*	38
39. PAC. STAGHORN SCULPIN	0	*	*	*	*	*	*	0
43. KELP BASS	*	*	*	1	*	*	*	1
48. WHITE CRONKER	10	*	*	*	12	*	*	22
51. OPALLEYE	9	*	*	1	*	*	*	1
53. BARRED SURPPERCH	9	*	*	65	1	*	*	75
54. BLACK PERCH	1	*	*	*	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*
56. REDTAIL SURPPERCH	0	*	*	1	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	0
58. SHINER PERCH	4	*	*	*	*	*	*	4
59. SILVER SURPPERCH	6	*	*	54	0	*	*	61
60. STRIPED SEAPERCH	*	*	*	1	*	*	*	1
61. WALLEYE SURPPERCH	3	*	*	4	*	*	*	7
62. WHITE SEAPERCH	0	*	*	*	*	*	*	0
63. SURPPERCHES, OTHER	12	*	*	18	*	*	*	30
66. PACIFIC BONITO	0	*	*	*	4	*	*	4
67. PACIFIC MACKEREL	11	*	*	*	7	2	*	21
69. STARRY FLOUNDER	0	*	*	0	3	*	*	3
70. CALIFORNIA HALIBUT	3	*	*	*	3	*	*	6
71. PACIFIC SANDDAB	*	*	*	*	12	*	*	12
72. ROCK SOLE	*	*	*	*	1	*	*	1
73. FLATFISHES, OTHER	0	*	*	*	3	*	*	3
74. SALMONIDS	0	*	*	*	*	*	*	0
75. OTHER FISH	0	*	*	1	0	*	*	2
TOTAL	92	0	0	154	494	429	0	1,169

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	4	2	50	0	0	77	*	*	*	4	2	46
02. SPINY DOGFISH	0	0	100	*	*	*	0	0	100	*	*	*	1	1	119	1	1	119
03. SHARK, OTHER	0	0	72	*	*	*	1	1	59	*	*	*	*	*	*	1	1	59
04. STURGEONS	*	*	*	*	*	*	18	5	28	*	*	*	*	*	*	18	5	28
05. PACIFIC HERRING	*	*	*	66	45	68	*	*	*	*	*	*	*	*	*	66	45	68
06. NORTHERN ANCHOVY	0	0	100	16	17	107	29	22	76	*	*	*	*	*	*	45	28	62
07. SURF SHELTER	141	131	93	507	263	52	*	*	*	*	*	*	*	*	*	648	293	45
08. SHELTERS, OTHER	*	*	*	1	1	100	*	*	*	*	*	*	*	*	*	1	1	100
09. PACIFIC COD	*	*	*	*	*	*	1	1	100	*	*	*	*	*	*	1	1	100
10. PACIFIC TOMCOD	0	0	100	0	0	89	3	2	61	*	*	*	*	*	*	4	2	54
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	1	1	100	*	*	*	1	1	100
13. SILVERSIDES	*	*	*	*	*	*	23	23	100	*	*	*	*	*	*	23	23	100
14. JACKSHELT	0	0	88	*	*	*	261	102	39	9	5	54	19	13	67	289	103	36
15. BLACK ROCKFISH	110	146	133	27	27	100	7	4	63	0	0	72	4	6	133	148	149	100
16. BLUE ROCKFISH	9	13	147	70	67	95	28	10	36	570	261	46	420	284	63	1,097	378	34
17. BROWN ROCKFISH	0	0	105	2	1	50	58	25	42	16	9	54	7	5	75	84	27	30
18. BOCCACCIO	1	1	100	6	2	30	32	15	47	102	38	57	4	4	104	145	42	47
19. CANARY ROCKFISH	13	21	165	42	28	67	28	11	38	41	19	47	15	8	53	138	41	38
20. CHILLIPEPPER ROCKFISH	*	*	*	0	0	100	*	*	*	155	79	51	*	*	*	155	79	51
21. COPPER ROCKFISH	7	6	85	12	5	46	24	12	51	17	6	35	22	13	58	82	29	21
22. GOPHER ROCKFISH	*	*	*	1	1	0	1	1	71	18	8	43	48	50	104	68	50	74
23. GREENSPOTTED ROCKFISH	*	*	*	1	1	44	15	7	46	11	4	40	3	2	53	31	9	28
24. GREENSTRIPED ROCKFISH	*	*	*	0	0	84	3	2	82	8	4	55	0	0	73	11	5	44
25. OLIVE ROCKFISH	*	*	*	6	2	36	4	2	57	63	21	33	34	30	86	108	36	34
26. GULLBACK ROCKFISH	*	*	*	1	1	76	*	*	*	*	*	*	*	*	*	1	1	76
27. ROSY ROCKFISH	1	2	122	8	5	62	12	6	55	2	2	82	37	27	73	60	28	47
28. STARRY ROCKFISH	0	0	100	0	0	100	3	4	66	24	15	61	41	27	66	69	31	44
29. VERMILION ROCKFISH	1	0	70	4	4	108	4	4	108	10	3	30	12	5	46	30	8	28
30. WIDOW ROCKFISH	*	*	*	1	1	52	2	2	87	95	43	46	0	0	117	98	43	44
31. YELLOWTAIL ROCKFISH	2	2	100	130	168	130	88	38	43	361	286	74	84	63	74	666	323	46
33. ROCKFISHES, OTHER	3	2	46	10	5	51	25	9	34	76	18	24	20	8	41	135	22	16
34. KELP GREENLING	7	3	41	13	5	36	24	2	66	3	3	80	0	0	76	27	6	24
35. LINGCOD	0	11	114	17	3	34	25	1	44	28	9	34	6	3	46	84	20	30
36. GREENLINGS, OTHER	10	0	82	8	3	36	1	1	90	*	*	*	1	1	70	10	3	30
38. CABEZON	3	1	42	7	2	33	5	2	46	2	1	42	38	36	94	56	36	65
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	1	1	100	0	0	100	0	0	156	1	1	83
40. SCULPINS, OTHER	0	0	71	0	0	46	0	0	100	*	*	*	*	*	*	2	2	81
43. KELP BASS	*	*	*	0	0	80	1	1	20	*	*	*	1	1	100	33	2	66
44. STRIPED BASS	*	*	*	*	*	*	33	8	25	0	0	100	*	*	*	33	8	25
48. WHITE CROAKER	*	*	*	*	*	*	110	34	31	24	14	59	11	11	94	145	38	28
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	1	1	138	1	1	138
53. BARRED SURFPERCH	*	*	*	0	0	100	73	36	50	30	15	48	71	56	78	174	68	39
54. BLACK PERCH	*	*	*	*	*	*	31	9	28	2	1	100	1	1	100	34	8	26
55. PILE PERCH	0	0	123	0	0	79	22	8	38	1	1	65	*	*	*	23	8	36
56. REDTAIL SURFPERCH	39	37	96	1	1	46	40	18	45	3	2	71	0	0	100	88	41	50
57. RUBBERLIP SEAPERCH	*	*	*	0	0	58	5	2	50	0	0	71	0	0	100	6	2	42
58. SHINER PERCH	1	1	97	3	2	70	50	18	50	0	0	100	0	0	206	54	2	33
59. SILVER SURFPERCH	0	0	100	1	1	71	46	19	42	2	2	56	57	47	82	106	50	48
60. STRIPED SEAPERCH	4	3	66	20	8	41	14	9	63	2	1	44	1	1	63	41	12	30
61. WALLEYE SURFPERCH	1	2	168	3	3	84	108	32	29	24	17	71	5	5	83	142	37	28
62. WHITE SEAPERCH	1	1	75	0	0	47	18	10	57	21	13	64	0	0	100	39	16	42
63. SURFPERCHES, OTHER	0	0	100	4	2	66	13	5	42	15	8	52	25	21	94	54	24	44
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	4	33
67. PACIFIC MACKEREL	*	*	*	3	2	55	*	*	*	96	59	61	15	3	51	115	59	32
68. TUNAS	*	*	*	0	0	100	*	*	*	*	*	*	*	*	*	0	0	100
69. STARRY FLOUNDER	0	0	91	1	0	62	65	13	20	4	2	43	3	4	123	73	14	19
70. CALIFORNIA HALIBUT	*	*	*	0	0	100	9	3	33	1	1	66	3	4	111	13	5	34
71. PACIFIC SANDDAB	4	4	97	5	4	88	*	*	*	23	18	82	12	16	132	45	26	57
72. ROCK SOLE	*	*	*	0	0	64	*	*	*	*	*	*	1	1	75	1	1	51
73. FLATFISHES, OTHER	2	1	77	0	1	61	12	5	38	13	5	39	3	2	80	31	8	24
74. SALMONIDS	1	0	65	2	1	51	0	0	100	*	*	*	0	0	100	3	1	38
75. OTHER FISH	3	2	70	7	4	54	15	8	50	2	1	46	2	2	105	29	9	31
TOTAL	365	201	55	1,011	326	32	1,375	140	10	1,877	394	21	1,030	294	29	5,658	638	11

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1982---DEC 1982.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	SAN FRANCISCO OCEAN	BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	*	*	*	14	0	*	14
03. SHARK, OTHER	0	0	5	55	2	0	63
04. STURGEONS	**	**	**	19	**	**	19
06. NORTHERN ANCHOVY	*	*	*	4	*	*	4
10. PACIFIC TOMCOD	*	*	*	2	*	*	2
12. PACIFIC HAKE	*	*	*	*	1	*	1
13. SILVERSIDES	*	*	*	*	*	0	0
14. JACKSMELT	0	0	14	33	2	16	64
15. BLACK ROCKFISH	16	1	*	*	*	*	17
16. BLUE ROCKFISH	3	1	*	*	43	10	57
17. BROWN ROCKFISH	0	*	*	2	*	*	2
18. BOCCACCIO	*	*	*	*	*	0	0
19. CANARY ROCKFISH	2	*	*	*	*	*	2
21. COPPER ROCKFISH	0	0	*	*	*	*	1
24. GREENSTRIPED ROCKFISH	1	*	*	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	0	0
29. VERMILION ROCKFISH	*	*	*	*	0	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	*	0
33. ROCKFISHES, OTHER	0	5	10	25	128	1	168
34. KELP GREENLING	3	2	*	*	0	*	5
35. LINGCOD	2	2	1	5	15	0	26
36. GREENLINGS, OTHER	0	2	*	0	*	*	2
38. CABEZON	2	1	2	1	0	1	6
39. PAC. STAGHORN SCULPIN	0	2	16	466	46	15	545
40. SCULPINS, OTHER	1	1	*	8	*	*	9
44. STRIPED BASS	*	*	4	15	0	*	19
45. SEA BASSES, OTHER	*	*	*	*	0	*	0
48. WHITE CROAKER	*	*	8	1	16	10	34
50. CROAKERS, OTHER	*	*	*	*	0	*	0
53. BARRED SURFFERCH	*	*	*	*	2	8	10
55. PILE PERCH	*	4	*	*	0	*	5
56. REDTAIL SURFFERCH	6	0	*	0	1	*	6
58. SHINER PERCH	0	6	2	27	1	1	36
59. SILVER SURFFERCH	*	*	2	*	*	5	8
60. STRIPED SEAPERCH	0	2	0	0	*	*	3
61. WALLEYE SURFFERCH	1	*	*	*	*	*	1
62. WHITE SEAPERCH	1	*	*	*	*	*	1
63. SURFFERCHES, OTHER	*	14	23	679	71	18	806
65. PACIFIC BARRACUDA	0	*	*	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	10	8	18
69. STARRY FLOUNDER	*	0	*	9	0	0	10
70. CALIFORNIA HALIBUT	*	*	0	*	6	2	9
71. PACIFIC SANDDAB	*	*	*	*	15	*	15
73. FLATFISHES, OTHER	0	1	1	1	2	*	5
74. SALMONIDS	0	3	*	*	*	*	3
75. OTHER FISH	1	3	6	16	7	1	34
TOTAL	39	51	94	1,382	370	97	2,032

TABLE 27. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	2	4	*	15	19	0	*	*	39
MENDOCINO/SONOMA (NON-BOAT MODES)	11	3	*	10	*	*	*	*	26
MENDOCINO (BOAT MODES)	*	*	*	*	9	0	*	*	9
SONOMA (BOAT MODES)	*	*	*	*	15	2	*	*	17
SAN FRANCISCO	996	26	56	144	228	25	*	*	1,476
SANTA CRUZ/MONTEREY	24	11	*	91	139	104	*	*	370
SAN LUIS OBISPO	63	0	*	16	16	2	*	*	97
TOTAL	1,096	45	56	276	427	133	0	0	2,032

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1982--DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	1	10	3	*	*	14
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	1	2	*	3	57	1	*	*	63
04. STURGEONS	1	*	*	*	9	10	*	*	19
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	4	*	*	*	*	*	*	*	4
07. SURF SHELTER	*	*	*	*	*	*	*	*	*
08. SHELTERS, OTHER	*	*	*	*	*	*	*	*	*
09. PACIFIC COD	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	2	*	*	*	*	*	*	*	2
12. PACIFIC HAKE	*	*	*	*	1	*	*	*	1
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	18	0	*	4	42	*	*	*	64
15. BLACK ROCKFISH	*	1	*	1	16	*	*	*	17
16. BLUE ROCKFISH	*	0	*	3	47	8	*	*	57
17. BROWN ROCKFISH	2	*	*	0	*	*	*	*	2
18. BOCCACCIO	0	*	*	*	*	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	2	*	*	*	2
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	0	0	*	*	0	*	*	*	1
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	*	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	0	*	*	0
28. STARRY ROCKFISH	*	*	*	*	1	*	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	*	*	0
33. ROCKFISHES, OTHER	15	2	10	2	49	90	*	*	168
34. KELP GREENLING	0	1	*	4	*	*	*	*	5
35. LINGCOD	1	0	*	6	16	2	*	*	26
36. GREENLING, OTHER	*	0	*	2	0	*	*	*	2
38. CABEZON	0	1	*	5	0	*	*	*	6
39. PAC. STAGHORN SCULPIN	275	27	45	133	65	*	*	*	545
40. SCULPINS, OTHER	8	1	*	1	0	*	*	*	9
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	3	0	*	3	11	2	*	*	19
45. SEA BASSES, OTHER	*	*	*	0	*	*	*	*	0
48. WHITE CRONKER	18	1	*	1	14	*	*	*	34
50. CRONKERS, OTHER	*	*	*	*	0	*	*	*	0
51. OPALLEYE	*	*	*	*	*	*	*	*	*
53. BARRED SURFFERCH	0	*	*	10	*	*	*	*	10
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	0	*	*	4	*	*	*	5
56. REDTAIL SURFFERCH	*	1	*	5	*	*	*	*	6
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	26	1	*	2	8	*	*	*	36
59. SILVER SURFFERCH	*	*	*	8	*	*	*	*	8
60. STRIPED SEAPERCH	0	1	*	1	*	*	*	*	3
61. HALLIEYE SURFFERCH	1	*	*	0	*	*	*	*	1
62. WHITE SEAPERCH	0	*	*	0	0	*	*	*	1
63. SURFFERCHES, OTHER	706	5	*	73	20	2	*	*	806
65. PACIFIC BARRACUDA	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC HACKEREL	5	*	*	*	7	5	*	*	18
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	1	0	*	1	8	*	*	*	10
70. CALIFORNIA HALIBUT	*	*	*	*	9	*	*	*	9
71. PACIFIC SANDDAB	1	*	*	*	15	*	*	*	15
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	0	*	1	3	1	*	*	5
74. SALMONIDS	3	*	*	0	0	*	*	*	3
75. OTHER FISH	4	0	2	7	12	8	*	*	34
TOTAL	1,096	45	56	276	427	133	0	0	2,032

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	0	*	*	*	*	*	*	*	0
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*	*
10. PACIFIC TONNO	*	*	*	*	*	*	*	*	*
14. JACKSMELT	0	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	1	*	1	14	*	*	*	16
16. BLUE ROCKFISH	*	0	*	3	*	*	*	*	3
17. BROWN ROCKFISH	*	*	*	0	*	*	*	*	0
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	2	*	*	*	2
21. COPPER ROCKFISH	0	0	*	*	0	*	*	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	0	0	*	*	*	0
34. KELP GREENLING	*	1	*	2	*	*	*	*	3
35. LINGOOD	*	0	*	1	1	*	*	*	2
36. GREENLINGS, OTHER	*	0	*	0	*	*	*	*	0
38. CABEZON	0	0	*	1	0	*	*	*	2
39. PAC. STAGHORN SCULPIN	*	*	*	0	0	*	*	*	0
40. SCULPINS, OTHER	*	0	*	1	*	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	1	*	5	*	*	*	*	6
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	0	0	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	1	*	*	0	*	*	*	*	1
62. WHITE SEAPERCH	0	*	*	0	0	*	*	*	1
63. SURFPERCHES, OTHER	*	*	*	*	*	*	*	*	*
65. PACIFIC BARRAOLDA	*	*	*	0	*	*	*	*	0
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	0	0	*	*	*	0
75. OTHER FISH	*	*	*	0	0	*	*	*	1
TOTAL	2	4	0	15	19	0	0	0	39

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	OPPV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	0	*	*	*	*	0
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TONGOD	*	*	*	*	*	*	*	*	*
14. JACKSMELT	0	0	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	*	*	*	*	*	0
16. BLUE ROCKFISH	*	0	*	0	*	*	*	*	0
18. BOACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	0	*	1	*	*	*	*	1
34. KELP GREENLING	0	*	*	1	*	*	*	*	2
35. LINGCOD	*	*	*	0	*	*	*	*	0
36. GREENLINGS, OTHER	*	0	*	2	*	*	*	*	2
38. CABEZON	*	0	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	2	0	*	*	*	*	*	*	2
40. SCULPINS, OTHER	*	0	*	0	*	*	*	*	1
43. KELP BASS	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	0	*	*	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	5	0	*	1	*	*	*	*	6
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	1	*	1	*	*	*	*	2
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	1	0	*	1	*	*	*	*	2
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	3	*	*	*	*	*	*	*	3
75. OTHER FISH	*	0	*	3	*	*	*	*	3
TOTAL	11	3	0	10	0	0	0	0	25

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	1	*	*	*	1
16. BLUE ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	0	0	*	*	1
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGOOD	*	*	*	*	2	0	*	*	2
38. CABEZON	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	4	*	*	*	4
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
68. TUNAS	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	0	0	*	*	1
TOTAL	0	0	0	0	9	0	0	0	9

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	0	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	1	2	*	*	3
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGOOD	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	*	*	*	*	*
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	12	*	*	*	12
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	15	2	0	0	17

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY &	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	0	10	3	*	14
02. SPINY DOGFISH	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	2	*	2	55	1	*	60
04. STURGEONS	1	*	*	*	9	10	*	19
06. NORTHERN ANCHOVY	4	*	*	*	*	*	*	4
09. PACIFIC COD	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	2	*	*	*	*	*	*	2
13. SILVERSIDES	*	*	*	*	*	*	*	*
14. JACKSMELT	1	*	*	4	41	*	*	46
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	2	*	*	*	*	*	*	2
18. BOCACCIO	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	15	1	10	1	4	4	*	35
34. KELP GREENLING	*	*	*	*	*	*	*	*
35. LINGCOD	1	*	*	4	1	*	*	6
36. GREENLING, OTHER	*	*	*	*	0	*	*	0
38. CABEZON	*	*	*	3	*	*	*	3
39. PAC. STAGHORN SCULPIN	251	19	45	101	65	*	*	482
40. SCULPINS, OTHER	8	*	*	*	*	*	*	8
43. KELP BASS	*	*	*	*	*	*	*	*
44. STRIPED BASS	3	0	*	3	11	2	*	19
48. WHITE CROAKER	5	1	*	*	3	*	*	9
53. BARRED SURFFERCH	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*
56. REDTAIL SURFFERCH	*	*	*	0	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*
58. SHINER PERCH	20	1	*	1	8	*	*	29
59. SILVER SURFFERCH	*	*	*	2	*	*	*	2
60. STRIPED SEAPERCH	*	0	*	0	*	*	*	0
61. WALLEYE SURFFERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFFERCHES, OTHER	679	2	*	17	3	2	*	702
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	1	*	*	1	8	*	*	9
70. CALIFORNIA HALIBUT	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	0	2	*	*	2
74. SALMONIDS	*	*	*	*	*	*	*	*
75. OTHER FISH	4	*	2	4	9	3	*	22
TOTAL	996	26	56	144	228	25	0	1,476

TABLE 34. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOCK & LTINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	0	*	1	2	1	*	*	5
09. PACIFIC COD	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
14. JACKSMILT	1	*	*	*	13	*	*	*	14
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	4	1	*	*	1	4	*	*	10
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	1	*	*	*	1
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	2	*	*	*	*	2
39. PAC. STAGHORN SCULPIN	9	3	*	3	1	*	*	*	16
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	0	*	*	3	1	*	*	*	4
48. WHITE CRONKER	5	1	*	*	2	*	*	*	8
53. BARRED SURFFERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFFERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	2	1	*	*	*	*	*	*	2
59. SILVER SURFFERCH	*	*	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	*	0	*	0	*	*	*	*	0
61. WALLEYE SURFFERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFFERCHES, OTHER	6	1	*	15	*	2	*	*	23
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	0	1	*	*	*	1
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	1	5	*	*	*	6
TOTAL	26	7	0	27	26	7	0	0	94

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	0	10	3	*	*	14
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	1	*	1	53	*	*	*	55
04. STURGEONS	1	*	*	*	9	10	*	*	19
06. NORTHERN ANCHOVY	4	*	*	*	*	*	*	*	4
10. PACIFIC TONGOD	2	*	*	*	*	*	*	*	2
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	1	*	*	4	28	*	*	*	33
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	2	*	*	*	*	*	*	*	2
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	11	*	10	1	3	*	*	*	25
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	1	*	*	4	*	*	*	*	5
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	242	16	45	99	65	*	*	*	466
40. SCULPINS, OTHER	8	*	*	*	*	*	*	*	8
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	2	0	*	*	10	2	*	*	15
48. WHITE CROAKER	*	0	*	*	0	*	*	*	1
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	18	*	*	1	8	*	*	*	27
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	673	1	*	2	3	*	*	*	679
69. STARRY FLOUNDER	1	*	*	1	8	*	*	*	9
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
75. OTHER FISH	4	*	2	3	4	3	*	*	16
TOTAL	970	19	56	117	202	18	0	0	1,382

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	*	*	1	1	*	*	*	2
12. PACIFIC HAKE	*	*	*	*	1	*	*	*	1
14. JACKSMELT	1	0	*	1	0	*	*	*	2
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	36	8	*	*	43
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	*	*	0
33. ROCKFISHES, OTHER	0	*	*	0	43	84	*	*	128
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGCOD	0	*	*	0	12	2	*	*	15
38. CABEZON	*	0	*	*	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	7	8	*	31	*	*	*	*	46
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
45. SEA BASSES, OTHER	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	3	*	*	1	12	*	*	*	16
50. CROAKERS, OTHER	*	*	*	*	0	*	*	*	0
53. BARRED SURFPERCH	*	*	*	2	*	*	*	*	2
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	0	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	10	3	*	53	5	*	*	*	71
67. PACIFIC MACKEREL	1	*	*	*	5	4	*	*	10
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	6	*	*	*	6
71. PACIFIC SANDDAB	1	*	*	*	15	*	*	*	15
73. FLATFISHES, OTHER	1	*	*	1	*	1	*	*	2
75. OTHER FISH	0	0	*	1	1	5	*	*	7
TOTAL	24	11	0	91	139	104	0	0	370

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1982---DEC 1982.

GROUP	PIER & DOCK BREAKWATER	JETTY & BEACHWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	*	*	*	*	*	*	*
03. SHARK, OTHER	0	*	*	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	0
14. JACKSMELT	16	*	*	*	0	*	*	16
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	10	*	*	10
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*
18. BOCACCIO	0	*	*	*	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	0	*	0
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	0	0	0	*	1
34. KELP GREENLING	*	*	*	*	*	*	*	*
35. LINGCOD	0	*	*	*	*	*	*	0
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	1	*	*	*	1
39. PAC. STAGHORN SCULPIN	15	*	*	*	*	*	*	15
43. KELP BASS	*	*	*	*	*	*	*	*
48. WHITE CRONKER	10	*	*	*	*	*	*	10
51. OPALEYE	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	8	*	*	*	8
54. BLACK PERCH	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*
58. SHINER PERCH	1	*	*	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	5	*	*	*	5
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	17	*	*	1	*	*	*	18
66. PACIFIC BONITO	*	*	*	*	*	*	*	*
67. PACIFIC HACKEREL	4	*	*	*	2	2	*	8
69. STARRY FLOUNDER	0	*	*	*	2	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	2	*	*	2
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	1	*	*	*
75. OTHER FISH	0	*	*	*	1	*	*	1
TOTAL	63	0	0	16	16	2	0	97

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

WAVE	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	8	0	1	10
	MENDOCINO/SONOMA	37	7	1	46
	S. F. OCEAN	95	2	3	100
	S. F. BAY	58	1	56	115
	SANTA CRUZ/MONTEREY	99	24	16	139
	SAN LUIS OBISPO	118	7	15	140
	TOTAL	416	41	92	549
MAR/APR	DEL NORTE/HUMBOLDT	18	0	5	23
	MENDOCINO/SONOMA	49	3	2	54
	S. F. OCEAN	79	36	10	125
	S. F. BAY	188	43	74	305
	SANTA CRUZ/MONTEREY	163	15	15	193
	SAN LUIS OBISPO	180	3	6	189
	TOTAL	678	101	113	891
MAY/JUN	DEL NORTE/HUMBOLDT	236	1	14	251
	MENDOCINO/SONOMA	145	13	14	173
	S. F. OCEAN	178	26	41	245
	S. F. BAY	244	98	948	1,286
	SANTA CRUZ/MONTEREY	445	134	38	618
	SAN LUIS OBISPO	111	11	12	135
	TOTAL	1,361	279	1,067	2,707
JUL/AUG	DEL NORTE/HUMBOLDT	63	3	13	79
	MENDOCINO/SONOMA	668	15	13	696
	S. F. OCEAN	74	1	16	91
	S. F. BAY	127	52	115	294
	SANTA CRUZ/MONTEREY	776	79	188	1,043
	SAN LUIS OBISPO	252	100	54	406
	TOTAL	1,959	250	398	2,607
SEP/OCT	DEL NORTE/HUMBOLDT	39	6	6	51
	MENDOCINO/SONOMA	87	15	19	121
	S. F. OCEAN	85	11	11	106
	S. F. BAY	76	20	71	167
	SANTA CRUZ/MONTEREY	168	227	57	453
	SAN LUIS OBISPO	281	3	5	289
	TOTAL	735	282	170	1,187
NOV/DEC	DEL NORTE/HUMBOLDT	1	1	1	3
	MENDOCINO/SONOMA	25	0	2	27
	S. F. OCEAN	70	66	13	149
	S. F. BAY	100	71	118	289
	SANTA CRUZ/MONTEREY	224	44	56	324
	SAN LUIS OBISPO	89	14	3	107
	TOTAL	509	197	192	898
GRAND TOTAL		5,658	1,149	2,032	8,839

TABLE 39. ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING BY COASTAL COUNTY DISTRICT, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	18	23	7	49
STD ERR	26	27	21	43
MENDOCINO/SONOMA (NON-BOAT MODES)	16	7	1	24
STD ERR	24	7	*	28
MENDOCINO (BOAT MODES)	5	3	1	9
STD ERR	7	*	*	6
SONOMA (BOAT MODES)	3	*	*	3
STD ERR	2	*	*	2
SAN FRANCISCO	285	1	11	297
STD ERR	445	1	14	445
SANTA CRUZ/MONTEREY	110	23	21	155
STD ERR	122	26	21	129
SAN LUIS OBISPO	21	36	29	86
STD ERR	32	38	29	57
TOTAL	460	92		
STD ERR	464	53		

TABLE 40. ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	87	33	10	130
STD ERR	42	47	30	70
MENDOCINO/SONOMA (NON-BOAT MODES)	66	12	3	81
STD ERR	14	9	5	17
MENDOCINO (BOAT MODES)	30	12	1	43
STD ERR	18	24	8	31
SONOMA (BOAT MODES)	23	1	0	25
STD ERR	0	1	0	1
SAN FRANCISCO	1,374	28	35	1,437
STD ERR	105	19	24	110
SANTA CRUZ/MONTEREY	298	33	23	354
STD ERR	64	38	34	82
SAN LUIS OBISPO	121	85	109	315
STD ERR	65	106	148	194
TOTAL	2,000	205	180	2,386
STD ERR	147	127	157	260

TABLE 41. ESTIMATED THOUSANDS OF FISHING TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1982--DEC 1982.

COASTAL COUNTY DISTRICT	MODE	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	3	0	0	3
	STD ERR	2	1	0	3
	JETTY & BREAKWATER	11	3	2	17
	STD ERR	8	7	6	13
	BRIDGE & CAUSEWAY	0	*	0	0
	STD ERR	3	2	0	3
	B/B - H & L	53	18	7	78
	STD ERR	36	39	28	60
	P/R BOAT	19	12	1	31
	STD ERR	19	26	8	33
CPFV	0	*	0	0	
STD ERR	0	*	0	0	
SPEAR	0	*	0	0	
STD ERR	0	*	0	0	
TOTAL		87	33	10	130
STD ERR		42	47	30	70
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	9	2	0	11
	STD ERR	5	3	0	6
	JETTY & BREAKWATER	7	2	1	10
	STD ERR	4	4	3	6
	B/B - H & L	42	7	2	51
	STD ERR	12	7	4	15
SPEAR	8	2	0	10	
STD ERR	4	3	1	5	
TOTAL		66	12	3	81
STD ERR		14	9	5	17
MENDOCINO (BOAT MODES)	P/R BOAT	22	4	0	26
	STD ERR	15	9	3	18
	CPFV	8	8	1	17
	STD ERR	9	22	7	25
TOTAL		30	12	1	43
STD ERR		18	24	8	31
SONOMA (BOAT MODES)	P/R BOAT	15	1	0	16
	STD ERR	0	1	0	1
	CPFV	8	*	0	8
	STD ERR	0	*	0	0
TOTAL		23	1	0	25
STD ERR		0	1	0	1
SAN FRANCISCO	PIER & DOCK	340	6	7	353
	STD ERR	41	9	9	43
	JETTY & BREAKWATER	68	*	1	68
	STD ERR	19	*	2	20
	BRIDGE & CAUSEWAY	32	*	2	33
	STD ERR	15	*	6	16
	B/B - H & L	364	3	9	376
	STD ERR	63	8	17	66
	P/R BOAT	377	12	4	393
	STD ERR	64	14	10	66
CPFV	194	7	12	213	
STD ERR	25	6	9	27	
TOTAL		1,374	28	35	1,437
STD ERR		105	19	24	110

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	43	2	5	51
	STD ERR	15	4	7	17
	JETTY & BREAKWATER	14	0	0	14
	STD ERR	7	2	0	7
	BRIDGE & CAUSEWAY	0	*	0	0
	STD ERR	0	*	0	0
	B/B - H & L	87	3	3	88
	STD ERR	46	1	13	58
	P/R BOAT	91	2	1	92
	STD ERR	29	6	3	38
CPFV	60	8	13	58	
STD ERR	29	5	30	58	
SPEAR	2	*	0	2	
STD ERR	3	*	0	3	
TOTAL	298	33	23	354	
STD ERR	64	38	34	82	
SAN LUIS OBISPO	PIER & DOCK	42	39	44	125
	STD ERR	47	85	122	157
	JETTY & BREAKWATER	0	*	0	0
	STD ERR	1	2	0	1
	B/B - H & L	31	23	21	31
	STD ERR	27	41	47	31
	P/R BOAT	39	21	29	38
	STD ERR	35	46	67	38
	CPFV	8	3	15	21
	STD ERR	6	6	19	18
TOTAL	121	85	109	315	
STD ERR	65	106	148	194	
GRAND TOTAL	2,000	205	180	2,385	
STD ERR	147	127	157	250	

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED BY COASTAL COUNTY DISTRICT AND MODE, JAN 1982--DEC 1982.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.7	2.5	1.688
	MENDOCINO/SONOMA	2.4	2.0	1.575
	SAN FRANCISCO	3.4	3.0	2.234
	SANTA CRUZ/MONTEREY	3.3	3.0	1.679
	SAN LUIS OBISPO	2.7	2.5	1.642
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	2.6	2.5	1.392
	MENDOCINO/SONOMA	2.7	2.0	1.675
	SAN FRANCISCO	3.4	3.0	1.845
	SANTA CRUZ/MONTEREY	2.9	3.0	1.800
	SAN LUIS OBISPO	2.6	2.0	1.669
BRIDGE & CAUSEWAY	DEL NORTE/HUMBOLDT	1.8	2.0	0.599
	MENDOCINO/SONOMA	2.0	2.0	0.000
	SAN FRANCISCO	2.4	2.0	1.719
	SANTA CRUZ/MONTEREY	2.0	2.0	0.000
B/B - H & L	DEL NORTE/HUMBOLDT	2.6	2.5	1.487
	MENDOCINO/SONOMA	2.9	2.5	1.882
	SAN FRANCISCO	3.7	3.0	2.447
	SANTA CRUZ/MONTEREY	2.9	2.5	1.490
	SAN LUIS OBISPO	2.9	2.5	1.853
P/R BOAT	DEL NORTE/HUMBOLDT	4.3	4.0	1.698
	MENDOCINO (BOAT MODES)	4.1	4.0	1.763
	SONOMA (BOAT MODES)	5.5	6.0	2.063
	SAN FRANCISCO	6.0	6.0	2.736
	SANTA CRUZ/MONTEREY	4.9	5.0	1.561
	SAN LUIS OBISPO	3.7	3.5	1.617
CPFV	DEL NORTE/HUMBOLDT	8.0	8.0	0.000
	MENDOCINO (BOAT MODES)	4.3	4.0	0.993
	SONOMA (BOAT MODES)	7.3	7.0	0.615
	SAN FRANCISCO	8.1	8.0	1.766
	SANTA CRUZ/MONTEREY	6.3	6.0	0.860
	SAN LUIS OBISPO	2.5	2.5	0.775
SPEAR	DEL NORTE/HUMBOLDT	1.5	1.5	0.396
	MENDOCINO/SONOMA	1.3	1.0	0.696
	SANTA CRUZ/MONTEREY	1.2	1.0	0.753

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1982---DEC 1982.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	809	44.18	75. OTHER FISH	1359	45.01
35. LINGCOD	285	15.57	44. STRIPED BASS	473	15.67
56. REDTAIL SURFFERCH	268	14.64	63. SURFFERCHES, OTHER	431	14.28
63. SURFFERCHES, OTHER	155	8.47	04. STURGEONS	362	11.99
74. SALMONIDS	95	5.19	33. ROCKFISHES, OTHER	91	3.01
15. BLACK ROCKFISH	61	3.33	14. JACKSMELT	59	1.95
33. ROCKFISHES, OTHER	42	2.29	48. WHITE CROAKER	52	1.72
03. SHARK, OTHER	38	2.08	73. FLATFISHES, OTHER	45	1.49
07. SURF SMELT	26	1.42	69. STARRY FLOUNDER	43	1.42
36. GREENLINGS, OTHER	23	1.26	03. SHARK, OTHER	32	1.06
38. CABEZON	20	1.09	70. CALIFORNIA HALIBUT	26	0.79
60. STRIPED SEAPERCH	4	0.22	74. SALMONIDS	9	0.30
06. NORTHERN ANCHOVY	2	0.11	06. NORTHERN ANCHOVY	8	0.26
14. JACKSMELT	2	0.11	35. LINGCOD	7	0.23
34. KELP GREENLING	1	0.05	38. CABEZON	7	0.23
MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	601	65.75	75. OTHER FISH	1498	76.23
63. SURFFERCHES, OTHER	67	7.33	63. SURFFERCHES, OTHER	223	11.35
35. LINGCOD	66	7.22	33. ROCKFISHES, OTHER	140	7.12
33. ROCKFISHES, OTHER	51	5.58	73. FLATFISHES, OTHER	41	2.09
07. SURF SMELT	40	4.38	35. LINGCOD	19	0.97
05. PACIFIC HERRING	21	2.30	03. SHARK, OTHER	16	0.81
38. CABEZON	21	2.30	14. JACKSMELT	9	0.46
74. SALMONIDS	20	2.19	48. WHITE CROAKER	6	0.31
73. FLATFISHES, OTHER	12	1.31	67. PACIFIC MACKEREL	3	0.15
56. REDTAIL SURFFERCH	6	0.66	70. CALIFORNIA HALIBUT	3	0.15
06. NORTHERN ANCHOVY	3	0.33	08. SMELTS, OTHER	2	0.10
36. GREENLINGS, OTHER	3	0.33	16. BLUE ROCKFISH	2	0.10
08. SMELTS, OTHER	1	0.11	01. LEOPARD SHARK	1	0.05
13. SILVERSIDES	1	0.11	17. BROWN ROCKFISH	1	0.05
15. BLACK ROCKFISH	1	0.11	69. STARRY FLOUNDER	1	0.05
MENDOCINO (BOAT MODES)			SAN LUIS OBISPO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	343	78.49	75. OTHER FISH	856	56.91
35. LINGCOD	43	9.84	63. SURFFERCHES, OTHER	221	14.69
74. SALMONIDS	30	6.86	33. ROCKFISHES, OTHER	158	10.51
05. PACIFIC HERRING	5	1.14	70. CALIFORNIA HALIBUT	106	7.05
33. ROCKFISHES, OTHER	5	1.14	67. PACIFIC MACKEREL	64	4.26
63. SURFFERCHES, OTHER	5	1.14	35. LINGCOD	25	1.66
68. TUNAS	3	0.69	14. JACKSMELT	23	1.53
38. CABEZON	2	0.46	18. BOCACCIO	11	0.73
07. SURF SMELT	1	0.23	16. BLUE ROCKFISH	7	0.47
SONOMA (BOAT MODES)			29. VERMILION ROCKFISH	6	0.40
SOUGHT	COUNT	PERCENT	69. STARRY FLOUNDER	6	0.40
75. OTHER FISH	100	68.97	74. SALMONIDS	4	0.27
33. ROCKFISHES, OTHER	22	15.17	01. LEOPARD SHARK	3	0.20
35. LINGCOD	11	7.59	53. BARRED SURFFERCH	3	0.20
73. FLATFISHES, OTHER	9	6.21	03. SHARK, OTHER	2	0.13
63. SURFFERCHES, OTHER	2	1.38			
44. STRIPED BASS	1	0.69			

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1982---DEC 1982. THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	62 51.67	9 7.50	13 10.83	17 14.17	11 9.17	4 3.33	2 1.67	2 1.67	0 0.00	0 0.00	120
MENDOCINO/SONOMA	15 22.39	8 11.94	7 10.45	1 1.49	12 17.91	8 11.94	7 10.45	1 1.49	4 5.97	4 5.97	67
SAN FRANCISCO	516 57.53	113 12.60	42 4.68	32 3.57	70 7.80	80 8.92	18 2.01	7 0.78	7 0.78	12 1.34	897
SANTA CRUZ/ MONTEREY	230 57.79	82 20.60	26 6.53	25 6.28	16 4.02	12 3.02	1 0.25	1 0.25	1 0.25	4 1.01	398
SAN LUIS OBISPO	400 66.33	49 8.13	40 6.63	35 5.80	28 4.64	38 6.30	9 1.49	2 0.33	0 0.00	2 0.33	603
TOTAL	1223	261	128	110	137	142	37	13	12	22	2085

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	TOTAL	
DEL NORTE/ HUMBOLDT	397 69.53	59 10.33	46 8.06	26 4.55	26 4.55	13 2.28	4 0.70	0 0.00	0 0.00	571	
MENDOCINO/SONOMA	191 72.35	28 10.61	20 7.58	10 3.79	8 3.03	4 1.52	0 0.00	2 0.76	1 0.38	264	
SAN FRANCISCO	101 69.66	13 8.97	13 8.97	5 3.45	4 2.76	4 2.76	3 2.07	2 1.38	0 0.00	145	
SANTA CRUZ/ MONTEREY	164 78.85	15 7.21	10 4.81	1 0.48	13 6.25	4 1.92	1 0.48	0 0.00	0 0.00	208	
SAN LUIS OBISPO	2 33.33	0 0.00	3 50.00	0 0.00	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	6	
TOTAL	855	115	92	42	51	26	8	4	1	1194	

BRIDGE & CAUSEWAY										
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	TOTAL	
DEL NORTE/ HUMBOLDT	9 69.23	0 0.00	0 0.00	0 0.00	4 30.77	0 0.00	0 0.00	0 0.00	13	
MENDOCINO/SONOMA	2 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2	
SAN FRANCISCO	29 76.32	1 2.63	1 2.63	0 0.00	2 5.26	2 5.26	1 2.63	2 5.26	38	
SANTA CRUZ/ MONTEREY	2 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2	
TOTAL	42	1	1	0	6	2	1	2	55	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	517 69.58	65 8.75	35 4.71	38 5.11	28 3.77	38 5.11	7 0.94	2 0.27	3 0.40	10 1.35	743
MENDOCINO/SONOMA	248 53.33	70 15.05	45 9.68	24 5.16	28 6.02	17 3.66	2 0.43	3 0.65	0 0.00	28 6.02	465
SAN FRANCISCO	396 64.50	60 9.77	43 7.00	32 5.21	36 5.86	24 3.91	13 2.12	4 0.65	4 0.65	2 0.33	614
SANTA CRUZ/ MONTEREY	324 52.77	92 14.98	72 11.73	34 5.54	33 5.37	46 7.49	7 1.14	3 0.49	0 0.00	3 0.49	614
SAN LUIS OBISPO	96 41.03	29 12.39	29 12.39	17 7.26	35 14.96	19 8.12	7 2.99	2 0.85	0 0.00	0 0.00	234
TOTAL	1581	316	224	145	160	144	36	14	7	43	2670

(CONTINUED)

TABLE 44. (CONTINUED)

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	158 51.30	18 5.84	17 5.52	9 2.92	30 9.74	34 11.04	21 6.82	20 6.49	1 0.32	0 0.00	308
MENDOCINO/SONOMA	0 0.00	5 15.15	3 9.09	5 15.15	10 30.30	6 18.18	4 12.12	0 0.00	0 0.00	0 0.00	33
MENDOCINO (BOAT MODES)	85 25.45	21 6.29	36 10.78	20 5.99	58 17.37	64 19.16	39 11.68	11 3.29	0 0.00	0 0.00	334
SONOMA (BOAT MODES)	67 62.62	5 4.67	3 2.80	8 7.48	1 0.93	13 12.15	5 4.67	5 4.67	0 0.00	0 0.00	107
SAN FRANCISCO	461 55.48	106 12.76	80 9.63	50 6.02	49 5.90	64 7.70	7 0.84	13 1.56	0 0.00	1 0.12	831
SANTA CRUZ/ MONTEREY	167 39.39	33 7.78	22 5.19	25 5.90	41 9.67	77 18.16	34 8.02	15 3.54	2 0.47	8 1.89	424
SAN LUIS OBISPO	186 34.13	27 4.95	23 4.22	22 4.04	32 5.87	111 20.37	113 20.73	13 2.39	13 2.39	5 0.92	545
TOTAL	1124	215	184	139	221	369	223	77	16	14	2582

CPFV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	6 54.55	3 27.27	2 18.18	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	11
MENDOCINO (BOAT MODES)	2 2.44	0 0.00	0 0.00	3 3.66	4 4.88	22 26.83	38 46.34	12 14.63	0 0.00	1 1.22	82
SONOMA (BOAT MODES)	9 28.13	0 0.00	0 0.00	0 0.00	3 9.38	7 21.88	9 28.13	3 9.38	1 3.13	0 0.00	32
SAN FRANCISCO	186 68.38	27 9.95	15 5.51	8 2.94	5 1.84	14 5.15	13 4.78	4 1.47	0 0.00	0 0.00	272
SANTA CRUZ/ MONTEREY	3 1.45	0 0.00	0 0.00	7 3.38	5 2.42	46 22.22	49 23.67	55 26.57	24 11.59	18 8.70	207
SAN LUIS OBISPO	0 0.00	0 0.00	1 1.52	0 0.00	1 1.52	12 18.18	31 46.97	13 19.70	6 9.09	2 3.03	66
TOTAL	206	30	18	18	18	101	140	87	31	21	670

SPEAR		
NUMBER CAUGHT	0	TOTAL
DEL NORTE/ HUMBOLDT	10 100.00	10
MENDOCINO/SONOMA	64 100.00	64
SANTA CRUZ/ MONTEREY	1 100.00	1
TOTAL	75	75

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	1.9
	JETTY & BREAKWATER	0.8
	BRIDGE & CAUSEWAY	1.1
	B/B - H & L	3.2
	P/R BOAT	3.5
	OPFV	0.6
	SPEAR	0.0
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	7.7
	JETTY & BREAKWATER	0.8
	BRIDGE & CAUSEWAY	0.0
	B/B - H & L	9.1
	SPEAR	0.0
MENDOCINO (BOAT MODES)	P/R BOAT	4.5
	OPFV	11.6
SONOMA (BOAT MODES)	P/R BOAT	2.8
	OPFV	8.3
SAN FRANCISCO	PIER & DOCK	3.4
	JETTY & BREAKWATER	1.2
	BRIDGE & CAUSEWAY	2.1
	B/B - H & L	1.7
	P/R BOAT	1.7
	OPFV	1.7
SANTA CRUZ/MONTEREY	PIER & DOCK	2.7
	JETTY & BREAKWATER	0.7
	BRIDGE & CAUSEWAY	0.0
	B/B - H & L	1.8
	P/R BOAT	5.3
	OPFV	16.4
	SPEAR	0.0
SAN LUIS OBISPO	PIER & DOCK	1.4
	JETTY & BREAKWATER	2.2
	B/B - H & L	2.3
	P/R BOAT	6.1
	OPFV	14.3

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1982---DEC 1982.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
				NUMBER
	PERCENT			
DEL NORTE/HUMBOLDT	77.1	19.8	3.2	1831
MENDOCINO/SONOMA (NON-BOAT MODES)	80.4	17.3	2.3	914
MENDOCINO (BOAT MODES)	74.1	24.0	1.8	437
SONOMA (BOAT MODES)	95.2	4.8	0.0	145
SAN FRANCISCO	96.1	2.0	1.9	3019
SANTA CRUZ/MONTEREY	90.7	6.4	3.0	1965
SAN LUIS OBISPO	44.4	52.7	2.9	1504
TOTAL NUMBER	7960	1610	245	9815

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	1	*	*	1
3 SHARK, OTHER	2	*	*	3	*	*	4
6 NORTHERN ANCHOVY	*	*	*	0	*	*	0
7 SURF SMELT	*	*	6	*	*	*	6
10 PACIFIC TOMCOD	*	*	0	*	*	*	0
14 JACKSMELT	0	*	*	0	*	*	0
15 BLACK ROCKFISH	0	2	6	129	1	*	138
16 BLUE ROCKFISH	*	0	0	6	*	*	6
17 BROWN ROCKFISH	*	*	1	*	*	*	1
18 BOACCIO	*	*	*	1	*	*	1
19 CANARY ROCKFISH	*	*	*	11	*	*	11
21 COPPER ROCKFISH	*	1	*	14	*	*	15
24 GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*
27 ROSY ROCKFISH	*	*	*	0	*	*	0
28 STARRY ROCKFISH	*	*	*	1	*	*	1
29 VERMILION ROCKFISH	*	*	*	3	*	*	3
31 YELLOWTAIL ROCKFISH	*	*	*	2	*	*	2
33 ROCKFISHES, OTHER	0	1	1	6	*	*	8
34 KELP GREENLING	0	1	1	1	*	*	4
35 LINGOOD	*	2	8	30	1	*	41
36 GREENLINGS, OTHER	*	0	*	*	*	*	0
38 CABEZON	0	1	3	2	*	*	5
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
40 SCULPINS, OTHER	*	0	0	0	*	*	1
55 PILE PERCH	0	0	0	0	*	*	1
56 REDTAIL SURFPERCH	*	0	17	0	*	*	17
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	*	*	*	*	*	0
60 STRIPED SEAPERCH	0	1	1	*	*	*	2
61 WALLEYE SURFPERCH	0	*	0	*	*	*	0
62 WHITE SEAPERCH	0	0	0	0	*	*	1
63 SURFPERCHES, OTHER	*	0	*	*	*	*	0
65 PACIFIC BARRACUDA	*	*	*	*	*	*	*
69 STARRY FLUNDER	*	*	*	1	*	*	1
71 PACIFIC SANDDAB	*	*	*	1	*	*	1
73 FLATFISHES, OTHER	*	0	*	1	*	*	1
74 SALMONIDS	*	*	0	2	*	*	2
75 OTHER FISH	2	*	2	0	*	*	4
TOTAL	5	8	48	214	2	0	278

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*	*
5 PACIFIC HERRING	8	*	0	*	*	*	8
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
7 SURF SMELT	*	*	*	*	*	*	*
8 SMELTS, OTHER	*	*	0	*	*	*	0
10 PACIFIC TOMCOD	*	0	*	*	*	*	0
14 JACKSMELT	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	0	*	*	*	*	0
16 BLUE ROCKFISH	*	0	1	*	*	*	1
18 BOCACCIO	*	*	0	*	*	*	0
19 CANARY ROCKFISH	0	*	1	*	*	*	1
33 ROCKFISHES, OTHER	1	0	1	*	*	*	2
34 KELP GREENLING	0	0	5	*	*	*	5
35 LINGCOD	*	1	5	*	*	*	6
36 GREENLINGS, OTHER	*	*	4	*	*	*	4
38 CABEZON	1	0	7	*	*	*	8
39 PAC. STAGHORN SOULPIN	*	0	*	*	*	*	0
40 SOULPINS, OTHER	*	0	0	*	*	*	0
43 KELP BASS	*	0	0	*	*	*	0
53 BARRED SURFFERCH	*	*	0	*	*	*	0
55 PILE PERCH	*	0	*	*	*	*	0
56 REDTAIL SURFFERCH	*	0	0	*	*	*	1
57 RUBBERLIP SEAPERCH	*	0	*	*	*	*	0
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFFERCH	*	*	0	*	*	*	0
60 STRIPED SEAPERCH	*	1	7	*	*	*	8
61 WALLEYE SURFFERCH	0	0	*	*	*	*	1
62 WHITE SEAPERCH	0	0	0	*	*	*	0
63 SURFFERCHES, OTHER	1	0	*	*	*	*	1
69 STARRY FLOUNDER	*	0	0	*	*	*	0
71 PACIFIC SANDDAB	0	*	*	*	*	*	0
72 ROCK SOLE	*	0	0	*	*	*	0
73 FLATFISHES, OTHER	*	0	0	*	*	*	0
74 SALMONIDS	0	*	*	*	*	*	0
75 OTHER FISH	*	0	5	*	*	*	6
TOTAL	12	5	38	0	0	0	55

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
15 BLACK ROCKFISH	*	*	*	11	18	*	29
16 BLUE ROCKFISH	*	*	*	15	32	*	47
18 BOCACCIO	*	*	*	*	5	*	5
19 CANARY ROCKFISH	*	*	*	7	16	*	23
21 COPPER ROCKFISH	*	*	*	6	6	*	12
22 GOPHER ROCKFISH	*	*	*	0	*	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	0	1	*	1
24 GREENSTRIPED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	0	0	*	1
26 QUILLBACK ROCKFISH	*	*	*	1	1	*	2
27 ROSY ROCKFISH	*	*	*	1	2	*	3
29 VERMILION ROCKFISH	*	*	*	3	6	*	8
30 WIDOW ROCKFISH	*	*	*	*	0	*	0
31 YELLOWTAIL ROCKFISH	*	*	*	1	154	*	155
33 ROCKFISHES, OTHER	*	*	*	7	24	*	31
34 KELP GREENLING	*	*	*	1	0	*	2
35 LINGCOD	*	*	*	46	11	*	57
38 CABEZON	*	*	*	2	*	*	2
40 SCULPINS, OTHER	*	*	*	0	*	*	0
55 PILE PERCH	*	*	*	*	*	*	*
58 SHINER PERCH	*	*	*	0	*	*	0
59 SILVER SURFPERCH	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	*	*	*	0	0	*	1
68 TUNAS	*	*	*	2	*	*	2
71 PACIFIC SANDDAB	*	*	*	1	*	*	1
72 ROCK SOLE	*	*	*	1	*	*	1
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	*	*	*	4	3	*	7
75 OTHER FISH	*	*	*	9	*	*	9
TOTAL	0	0	0	120	280	0	400

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1982--DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	*	*	0	*	*	0
16 BLUE ROCKFISH	*	*	*	3	1	*	3
17 BROWN ROCKFISH	*	*	*	1	1	*	1
18 BOCACCIO	*	*	*	*	4	*	4
19 CANARY ROCKFISH	*	*	*	2	5	*	7
20 CHILLIPEPPER ROCKFISH	*	*	*	*	1	*	1
21 COPPER ROCKFISH	*	*	*	4	4	*	8
22 GOPHER ROCKFISH	*	*	*	0	*	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	0	6	*	6
26 QUILLBACK ROCKFISH	*	*	*	1	*	*	1
27 ROSY ROCKFISH	*	*	*	0	1	*	1
28 STARRY ROCKFISH	*	*	*	*	1	*	1
29 VERMILION ROCKFISH	*	*	*	*	2	*	2
30 WIDOW ROCKFISH	*	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	2	30	*	32
33 ROCKFISHES, OTHER	*	*	*	14	2	*	16
34 KELP GREENLING	*	*	*	0	*	*	0
35 LINGCOD	*	*	*	3	1	*	4
38 CABEZON	*	*	*	1	*	*	1
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
40 SCULPINS, OTHER	*	*	*	0	*	*	0
63 SURFPERCHES, OTHER	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	*	*	*	1	*	*	1
69 STARRY FLOUNDER	*	*	*	1	*	*	1
70 CALIFORNIA HALIBUT	*	*	*	3	*	*	3
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	*	*	*	2	3	*	2
75 OTHER FISH	*	*	*	0	3	*	3
TOTAL	0	0	0	39	62	0	101

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1982---DEC 1982.

GROUP	JETTY & BEACH BANK				CPV	SPEAR	ALL MODES
	PIER & DOCK	BREAKWATER	HOOK & LINE	P/R BOAT			
3 SHARK, OTHER	*	*	*	*	*	*	*
9 PACIFIC COD	1	*	*	*	*	*	1
10 PACIFIC TONGOD	0	*	0	*	*	*	0
14 JACKSMELT	0	*	*	*	*	*	0
15 BLACK ROCKFISH	*	*	*	7	2	*	8
16 BLUE ROCKFISH	*	0	*	0	18	*	18
17 BROWN ROCKFISH	*	0	0	4	2	*	7
18 BOCACCIO	*	*	*	1	61	*	62
19 CANARY ROCKFISH	*	*	*	2	30	*	32
21 COPPER ROCKFISH	*	*	*	6	34	*	40
22 GOPHER ROCKFISH	*	*	*	1	0	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	*	13	*	13
24 GREENSTRIPED ROCKFISH	*	*	*	*	1	*	1
25 OLIVE ROCKFISH	*	*	*	1	1	*	2
27 ROSY ROCKFISH	*	*	*	1	2	*	3
28 STARRY ROCKFISH	*	*	*	1	2	*	3
29 VERMILION ROCKFISH	*	*	*	*	9	*	9
30 WIDOW ROCKFISH	*	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	*	93	*	93
33 ROCKFISHES, OTHER	*	1	0	11	131	*	143
34 KELP GREENLING	*	0	2	*	*	*	2
35 LINGCOD	*	*	*	22	53	*	75
36 GREENLINGS, OTHER	*	*	0	*	*	*	0
38 CABEZON	*	0	2	1	*	*	3
39 PAC. STAGHORN SCULPIN	0	*	0	*	*	*	0
40 SCULPINS, OTHER	0	*	*	*	*	*	0
44 STRIPED BASS	*	*	*	5	5	*	11
48 WHITE CROAKER	1	*	1	4	*	*	5
53 BARRED SURFFERCH	0	*	19	*	*	*	19
54 BLACK PERCH	*	0	0	0	*	*	1
56 REDTAIL SURFFERCH	0	0	8	*	*	*	9
57 RUBBERLIP SEAPERCH	*	*	2	*	*	*	2
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFFERCH	0	*	4	1	*	*	5
60 STRIPED SEAPERCH	*	0	4	*	*	*	4
61 WALLEYE SURFFERCH	2	0	3	*	*	*	6
62 WHITE SEAPERCH	0	*	1	*	*	*	0
63 SURFFERCHES, OTHER	0	*	1	*	1	*	3
67 PACIFIC MACKEREL	*	*	*	*	0	*	0
69 STARRY FLOUNDER	*	1	2	*	*	*	3
70 CALIFORNIA HALIBUT	*	*	*	13	*	*	13
73 FLATFISHES, OTHER	*	0	*	1	3	*	4
74 SALMONIDS	4	*	*	*	*	*	4
75 OTHER FISH	*	*	1	*	5	*	6
TOTAL	10	4	50	81	470	0	615

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES	
1 LEOPARD SHARK	*	1	3	39	6	*	49
2 SPINY DOGFISH	*	*	*	1	1	*	2
3 SHARK, OTHER	*	*	*	20	209	*	229
4 STURGEONS	*	*	8	222	119	*	349
6 NORTHERN ANCHOVY	0	0	*	*	*	*	0
10 PACIFIC TONGOD	0	*	*	*	*	*	0
13 SILVERSIDES	*	*	6	*	*	*	6
14 JACKSMELT	33	0	37	2	*	*	72
16 BLUE ROCKFISH	*	*	*	1	2	*	3
17 BROWN ROCKFISH	1	*	0	9	1	*	11
19 CANARY ROCKFISH	*	*	*	*	1	*	1
27 ROSY ROCKFISH	*	*	*	0	*	*	0
33 ROCKFISHES, OTHER	2	*	*	4	*	*	6
34 KELP GREENLING	*	*	0	*	*	*	0
35 LINGCOD	0	*	*	*	2	*	3
36 GREENLINGS, OTHER	*	*	0	1	*	*	0
38 CABEZON	*	*	0	1	*	*	1
39 PAC. STAGHORN SCULPTN	0	0	0	0	*	*	1
40 SCULPINS, OTHER	*	*	*	*	*	*	*
43 KELP BASS	*	*	0	*	*	*	0
44 STRIPED BASS	14	*	6	44	8	*	72
48 WHITE CROAKER	11	*	1	15	*	*	27
53 BARRED SURFPERCH	0	*	*	0	*	*	0
54 BLACK PERCH	1	1	2	1	*	*	5
55 PILE PERCH	2	*	3	8	*	*	13
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	1	*	*	1	*	*	1
58 SHINER PERCH	1	0	0	0	*	*	1
59 SILVER SURFPERCH	0	*	2	0	*	*	3
60 STRIPED SEAPERCH	0	*	0	1	*	*	1
61 HALLEYE SURFPERCH	3	0	0	12	*	*	16
62 WHITE SEAPERCH	1	*	0	3	*	*	4
63 SURFPERCHES, OTHER	1	0	1	20	*	*	23
69 STARRY FLOUNDER	4	1	10	8	4	*	27
70 CALIFORNIA HALIBUT	0	*	*	30	*	*	30
73 FLATFISHES, OTHER	1	*	0	1	*	*	2
75 OTHER FISH	17	*	9	54	*	*	80
TOTAL	94	3	93	499	353	0	1042

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	1	*	*	1
3 SHARK, OTHER	**	**	1	15	**	16
12 PACIFIC HAKE	*	*	*	0	*	1
14 JACKSMELT	4	1	2	0	*	7
15 BLACK ROCKFISH	*	*	*	1	1	3
16 BLUE ROCKFISH	*	*	*	63	230	292
17 BROWN ROCKFISH	**	0	0	8	*	8
18 BOCACCIO	**	**	*	1	161	162
19 CANARY ROCKFISH	**	**	*	4	30	37
20 CHILLIPEPPER ROCKFISH	*	*	*	*	164	164
21 COPPER ROCKFISH	*	*	*	7	8	15
22 GOPHER ROCKFISH	**	**	**	4	2	5
23 GREENSPOTTED ROCKFISH	**	**	**	1	2	6
24 GREENSTRIPED ROCKFISH	**	**	**	0	2	2
25 OLIVE ROCKFISH	*	*	*	67	48	115
27 ROSY ROCKFISH	*	*	*	*	0	0
28 STARRY ROCKFISH	**	**	**	2	11	12
29 VERMILION ROCKFISH	**	**	**	4	7	10
30 WIDOW ROCKFISH	**	**	**	1	82	83
31 YELLOWTAIL ROCKFISH	*	*	*	11	278	288
33 ROCKFISHES, OTHER	*	0	0	83	64	147
34 KELP GREENLING	**	0	**	2	*	2
35 LINGCOD	3	*	*	36	43	82
38 CABEZON	*	0	0	1	2	3
39 PAC. STAGHORN SCULPIN	0	0	2	*	*	3
43 KELP BASS	*	*	0	*	*	0
44 STRIPED BASS	**	**	0	*	*	0
45 SEA BASSES, OTHER	**	**	**	*	*	*
48 WHITE CROAKER	0	*	0	7	*	8
50 CROAKERS, OTHER	*	*	*	*	*	*
53 BARRED SURFPERCH	0	*	12	*	*	12
54 BLACK PERCH	0	*	0	0	*	1
55 PILE PERCH	**	0	1	*	*	1
56 REDTAIL SURFPERCH	*	*	1	*	*	1
57 RUBBERLIP SEAPERCH	*	*	0	*	*	0
58 SHINER PERCH	0	*	*	*	*	0
59 SILVER SURFPERCH	**	0	0	*	*	0
60 STRIPED SEAPERCH	0	0	1	0	*	1
61 WALLEYE SURFPERCH	0	1	2	*	*	3
62 WHITE SEAPERCH	0	0	3	*	*	3
63 SURFPERCHES, OTHER	3	*	2	2	*	6
67 PACIFIC MACKEREL	1	*	*	45	55	102
69 STARRY FLOUNDER	0	0	0	1	*	2
70 CALIFORNIA HALIBUT	*	*	*	7	0	8
71 PACIFIC SANDDAB	*	*	0	4	*	4
73 FLATFISHES, OTHER	3	0	0	5	0	8
75 OTHER FISH	*	0	0	1	*	1
TOTAL	15	4	31	384	1193	1627

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1982---DEC 1982.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	3	*	3
2 SPINY DOGFISH	*	*	*	1	*	1
3 SHARK, OTHER	*	*	*	*	*	*
13 SILVERSIDES	*	*	*	*	*	*
14 JACKSMELT	8	*	*	1	*	8
15 BLACK ROCKFISH	*	*	*	2	*	2
16 BLUE ROCKFISH	*	*	*	69	139	208
17 BROWN ROCKFISH	*	*	*	7	*	7
18 BOCCACCIO	0	*	*	1	3	4
19 CANARY ROCKFISH	*	*	*	6	1	8
21 COPPER ROCKFISH	*	*	*	10	9	19
22 GOPHER ROCKFISH	*	*	*	23	0	23
23 GREENSPOTTED ROCKFISH	*	*	*	1	1	2
24 GREENSTRIPED ROCKFISH	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	23	4	27
27 ROSY ROCKFISH	*	*	*	6	3	9
28 STARRY ROCKFISH	*	*	*	6	18	24
29 VERMILION ROCKFISH	*	*	*	12	6	18
30 WIDOW ROCKFISH	*	*	*	*	0	0
31 YELLOWTAIL ROCKFISH	*	*	*	9	42	51
33 ROCKFISHES, OTHER	*	*	6	47	3	55
34 KELP GREENLING	*	*	*	0	*	0
35 LINGCOD	*	*	1	13	3	17
36 GREENLINGS, OTHER	*	*	0	1	*	1
38 CABEZON	*	*	1	58	*	59
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	0
43 KELP BASS	*	*	0	*	*	0
48 WHITE CROAKER	1	*	*	4	*	5
51 OPALLEYE	*	*	0	*	*	0
53 BARRED SURFPERCH	2	*	21	*	*	23
54 BLACK PERCH	0	*	*	*	*	0
55 PILE PERCH	*	*	*	*	*	*
56 REDTAIL SURFPERCH	0	*	0	*	*	0
57 RUBBERLIP SEAPERCH	*	*	0	*	*	0
58 SHINER PERCH	0	*	*	*	*	0
59 SILVER SURFPERCH	1	*	6	0	*	7
60 STRIPED SEAPERCH	*	*	1	*	*	1
61 WALLEYE SURFPERCH	0	*	1	*	*	1
62 WHITE SEAPERCH	0	*	*	*	*	0
63 SURFPERCHES, OTHER	2	*	5	*	*	6
66 PACIFIC BONITO	1	*	*	10	*	11
67 PACIFIC MACKEREL	3	*	*	3	1	7
69 STARRY FLOUNDER	0	*	0	5	*	6
70 CALIFORNIA HALIBUT	12	*	*	7	*	19
71 PACIFIC SANDDAB	*	*	*	2	*	2
72 ROCK SOLE	*	*	*	1	*	1
73 FLATFISHES, OTHER	0	*	*	2	*	2
74 SALMONIDS	0	*	*	*	*	0
75 OTHER FISH	0	*	1	1	*	2
TOTAL	31	0	44	335	233	642

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	7	15	20	1	0	7	0	0	54	75	15	20
02. SPINY DOGFISH	0	0	100	0	0	116	3	2	81	0	0	100	4	3	73	7	3	51
03. SHARK, OTHER	0	0	87	0	0	78	164	30	30	3	2	46	0	0	127	167	30	18
04. STURGEONS	*	*	*	*	*	*	189	65	34	*	*	*	*	*	*	189	65	34
05. PACIFIC HERRING	*	*	*	17	10	60	*	*	*	*	*	*	*	*	*	17	10	60
06. NORTHERN ANCHOVY	0	0	100	*	*	*	13	10	79	*	*	*	*	*	*	13	10	79
07. SURF SMELT	111	137	124	655	402	61	70	70	70	*	*	*	*	*	766	426	56	
08. SMELTS, OTHER	*	*	*	34	23	70	*	*	*	1	1	81	*	*	*	34	23	68
10. PACIFIC HOGPOD	*	*	*	0	0	100	10	6	59	5	3	64	*	*	*	14	6	45
12. PACIFIC HAKE	*	*	*	0	0	118	*	*	*	*	*	*	*	*	*	0	0	118
13. SILVERSIDES	*	*	*	0	0	100	40	19	48	0	0	100	1	1	117	41	19	47
14. JACKSMELT	1	0	54	27	27	100	388	137	35	23	5	22	35	13	37	473	140	30
15. BLACK ROCKFISH	22	18	81	23	9	39	28	12	44	*	*	*	3	3	87	76	24	31
16. BLUE ROCKFISH	12	9	75	236	62	26	108	49	45	277	77	28	361	221	61	998	247	25
17. BROWN ROCKFISH	0	0	76	35	17	48	162	44	27	23	7	28	34	23	67	255	53	21
18. BOCCACCIO	*	*	*	7	5	71	8	3	40	66	22	33	4	5	122	88	23	27
19. CANARY ROCKFISH	7	7	92	29	11	39	27	11	40	24	7	28	8	5	63	19	19	20
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	*	3	2	73	49	22	45	*	*	*	22	22	43
21. COPPER ROCKFISH	3	3	90	19	7	36	26	10	40	11	3	30	23	12	51	182	18	21
22. GOPHER ROCKFISH	*	*	*	1	1	77	3	2	64	27	7	28	137	93	68	67	24	56
23. GREENSPOTTED ROCKFISH	*	*	*	0	0	62	2	2	71	23	8	36	1	1	68	27	9	32
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	1	1	100	16	8	50	*	*	*	17	8	47
25. OLIVE ROCKFISH	*	*	*	16	7	44	15	7	51	73	20	27	77	51	66	181	55	31
26. QUILLBACK ROCKFISH	0	0	118	14	10	67	5	4	92	1	1	56	*	*	*	21	11	51
27. ROSE ROCKFISH	0	0	100	15	7	44	20	9	48	29	12	41	35	25	71	98	30	30
28. STARRY ROCKFISH	*	*	*	1	1	71	3	3	77	13	6	46	15	12	80	13	13	42
29. VERMILION ROCKFISH	1	1	79	3	2	47	4	3	57	7	2	67	17	12	67	12	12	38
30. WIDOW ROCKFISH	*	*	*	2	1	51	*	*	*	22	11	49	5	5	88	12	12	40
31. YELLOWTAIL ROCKFISH	2	2	116	85	47	56	113	40	35	126	37	29	36	31	87	362	79	22
33. ROCKFISHES, OTHER	2	1	54	60	9	15	429	200	47	320	58	18	283	202	77	1,074	291	27
34. KELP GREENLING	8	6	82	19	6	34	4	2	59	2	1	33	2	1	58	34	9	28
35. LINGCOD	7	5	67	26	12	45	31	7	27	30	9	31	14	7	47	108	19	17
36. GREENLINGS, OTHER	2	1	50	6	2	38	2	1	54	*	*	*	0	0	100	10	3	27
37. SABLEFISH	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
38. CABEZON	3	2	64	22	7	34	7	3	39	4	1	33	8	5	61	43	9	22
39. PAC. STAGHORN SCULPIN	1	1	103	0	0	65	1,332	203	15	10	3	28	2	1	62	1,345	204	15
40. SCULPINS, OTHER	0	0	55	1	1	60	2	1	26	0	0	100	0	0	100	4	1	24
43. KELP BASS	*	*	*	*	*	*	*	*	*	2	2	41	2	2	100	3	2	50
44. STRIPED BASS	*	*	*	*	*	*	265	35	14	2	1	47	*	*	*	247	35	14
48. WHITE CROAKER	*	*	*	*	*	*	189	75	40	54	11	21	97	54	55	340	98	27
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	1	1	99	1	1	99
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
52. HALFBLOON	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
53. BARRER SURPERCH	*	*	*	0	0	71	31	11	37	58	18	32	79	51	65	168	56	33
54. BLACK PERCH	*	*	*	1	1	90	60	25	41	4	2	46	3	3	126	68	25	37
55. PILE PERCH	0	0	56	1	1	80	80	27	34	1	0	52	1	1	89	83	28	33
56. REDTAIL SURPERCH	8	7	81	30	16	52	41	14	33	0	0	100	*	*	*	22	27	27
57. RUBBERLIP SEAPERCH	0	0	100	*	*	*	25	9	34	1	0	70	1	1	127	27	9	33
58. SHINER PERCH	0	0	106	5	2	51	170	31	18	10	5	47	9	6	62	194	32	16
59. SILVER SURPERCH	1	0	70	1	1	70	35	10	30	6	2	41	4	2	51	46	11	24
60. STRIPED SEAPERCH	4	4	97	21	6	30	18	8	42	1	1	56	0	0	261	45	11	24
61. WALLEYE SURPERCH	2	1	47	0	0	1	111	30	27	29	9	30	10	5	49	132	31	21
62. WHITE SEAPERCH	1	0	45	1	1	61	16	8	46	11	4	33	0	0	91	30	8	29
63. SURPERCHES, OTHER	0	0	96	28	13	45	193	34	18	54	10	19	45	31	68	320	49	15
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	0	0	71	0	0	78	0	0	53
66. PACIFIC BONITO	1	2	146	0	0	100	17	6	34	23	8	37	41	42	101	468	43	53
67. PACIFIC MACKEREL	*	*	*	27	9	34	187	96	51	108	29	28	172	71	41	468	123	20
68. TUNAS	*	*	*	*	*	*	0	0	100	*	*	*	*	*	*	0	0	100
69. STARRY FLOUNDER	0	0	71	0	0	84	103	17	17	5	1	28	1	1	46	110	17	16
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	28	7	26	1	0	59	1	1	55	28	7	25
71. PACIFIC SMODDAB	1	1	100	4	5	127	312	129	41	64	27	41	2	2	99	383	131	34
72. ROCK SOLE	*	*	*	0	0	80	*	*	*	0	0	73	0	0	78	1	0	45
73. FLATFISHES, OTHER	2	2	94	6	3	33	58	16	28	32	8	26	0	0	321	88	19	19
74. SALMONIDS	10	11	113	19	8	29	34	8	25	0	0	23	6	7	29	69	16	24
75. OTHER FISH	1	1	62	8	5	64	317	49	15	23	0	27	6	2	113	357	50	14
TOTAL	214	140	65	1,506	413	27	5,485	391	7	1,670	123	7	1,570	342	22	10,445	690	7

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1983---DEC 1983.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	4	17	0	124	69	*	*	0	214
MENDOCINO/SONOMA (NON-BOAT MODES)	68	37	*	788	*	*	*	29	922
MENDOCINO (BOAT MODES)	*	*	*	*	220	208	*	*	428
SONOMA (BOAT MODES)	*	*	*	*	61	95	*	*	156
SAN FRANCISCO	2,140	87	65	742	1,513	925	*	13	5,485
SANTA CRUZ/MONTEREY	142	14	*	98	340	860	*	17	1,670
SAN LUIS OBISPO	185	*	*	155	667	563	*	*	1,570
TOTAL	2,540	154	65	1,908	3,069	2,651	0	59	10,445

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	22	0	1	3	39	9	*	*	75
02. SPINY DOGFISH	0	0	*	*	1	5	*	*	7
03. SHARK, OTHER	21	0	2	5	125	13	*	1	167
04. STURGEONS	7	*	*	1	146	35	*	*	189
05. PACIFIC HERRING	17	*	*	*	*	*	*	*	17
06. NORTHERN ANCHOVY	*	5	*	*	1	*	*	7	13
07. SURF SMELT	0	0	*	0	*	*	*	*	766
08. SMELTS, OTHER	1	*	*	33	*	*	*	*	34
10. PACIFIC TOMCOD	14	0	*	*	*	*	*	*	14
12. PACIFIC HAKE	*	*	*	*	0	*	*	*	0
13. SILVERSIDES	40	0	0	1	*	*	*	*	41
14. JACKSMELT	398	4	8	46	10	7	*	*	473
15. BLACK ROCKFISH	2	1	*	2	41	32	*	0	76
16. BLUE ROCKFISH	1	1	*	2	481	492	*	12	993
17. BROWN ROCKFISH	77	3	2	6	61	110	*	*	255
18. BOACCIO	0	*	*	*	5	79	*	1	85
19. CANARY ROCKFISH	0	*	*	*	41	54	*	*	95
20. CHILIPEPPER ROCKFISH	*	*	*	*	2	51	*	*	53
21. COPPER ROCKFISH	*	0	*	2	38	42	*	*	82
22. GOPHER ROCKFISH	*	*	*	*	119	47	*	0	167
23. GREENSPOTTED ROCKFISH	*	*	*	*	4	23	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	17	*	*	17
25. OLIVE ROCKFISH	*	*	*	*	78	101	*	2	181
26. GULLBACK ROCKFISH	*	*	*	*	9	11	*	0	21
27. ROSY ROCKFISH	*	*	*	*	38	61	*	*	98
28. STARRY ROCKFISH	*	*	*	*	4	28	*	*	32
29. VERMILION ROCKFISH	0	*	*	*	15	17	*	*	32
30. WIDOW ROCKFISH	*	*	*	*	8	21	*	*	29
31. YELLOWTAIL ROCKFISH	0	*	*	*	40	322	*	*	362
33. ROCKFISHES, OTHER	31	1	0	36	286	716	*	5	1,074
34. KELP GREENLING	1	7	*	13	7	1	*	5	34
35. LINGCOD	2	1	*	3	65	31	*	7	108
36. GREENLINGS, OTHER	1	2	*	7	1	*	*	0	10
37. SABLEFISH	*	*	*	*	*	0	*	*	0
38. CABEZON	0	3	0	21	13	1	*	5	43
39. PAC. STAGHORN SCULPIN	511	10	28	222	471	103	*	0	1,345
40. SCULPINS, OTHER	0	1	*	1	2	0	*	*	4
43. KELP BASS	*	*	*	2	*	*	*	*	3
44. STRIPED BASS	20	1	3	35	165	23	*	*	247
48. WHITE CROAKER	188	1	0	17	124	10	*	*	340
49. QUEENFISH	1	*	*	*	*	*	*	*	1
51. OPALLEYE	*	*	*	0	*	*	*	*	0
52. HALIBUT	*	*	*	*	0	*	*	*	0
53. BARRED SURFPERCH	18	0	0	149	1	*	*	*	168
54. BLACK PERCH	14	0	*	42	11	*	*	*	68
55. PILE PERCH	21	0	0	49	12	*	*	1	83
56. REDTAIL SURFPERCH	0	2	*	78	*	*	*	*	80
57. RUBBERLIP SEAPERCH	5	0	0	16	5	*	*	0	27
58. SHINER PERCH	130	2	1	22	39	*	*	*	194
59. SILVER SURFPERCH	11	0	1	33	0	*	*	*	46
60. STRIPED SEAPERCH	6	15	0	11	7	*	*	6	45
61. WALLEYE SURFPERCH	78	4	0	11	60	*	*	*	152
62. WHITE SEAPERCH	12	1	*	15	2	*	*	*	30
63. SURFPERCHES, OTHER	133	15	9	120	37	*	*	6	320
65. PACIFIC BARRAQUA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	2	2	*	2	76	0	*	*	82
67. PACIFIC MACKEREL	187	50	*	30	111	111	*	*	488
68. TUNAS	*	*	*	*	2	*	*	*	2
69. STARRY FLOUNDER	19	2	3	27	49	11	*	*	110
70. CALIFORNIA HALIBUT	0	*	*	*	21	6	*	*	28
71. PACIFIC SANDDAB	308	2	*	2	30	41	*	*	383
72. ROCK SOLE	*	*	*	*	1	0	*	*	1
73. FLATFISHES, OTHER	52	1	*	7	35	4	*	*	98
74. SALMONIDS	28	11	*	3	28	1	*	*	69
75. OTHER FISH	161	6	4	70	103	12	*	1	357
TOTAL	2,540	154	65	1,908	3,069	2,651	0	59	10,445

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	0	*	*	*	*	*	*	0
03. SHARK, OTHER	*	0	*	0	*	*	*	*	0
06. NORTHERN ANCHOVY	*	0	*	*	*	*	*	*	0
07. SURF SHELTER	*	0	*	110	*	*	*	*	111
14. JACKSMELT	0	*	*	0	*	*	*	*	1
15. BLACK ROCKFISH	*	1	*	1	21	*	*	*	22
16. BLUE ROCKFISH	*	1	*	*	11	*	*	*	12
17. BROWN ROCKFISH	*	0	*	*	0	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	7	*	*	*	7
21. COPPER ROCKFISH	*	0	*	*	3	*	*	*	3
26. GULLBACK ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	*	*	*	2
33. ROCKFISHES, OTHER	*	0	*	0	2	*	*	*	2
34. KELP GREENLING	0	6	*	0	1	*	*	*	8
35. LINGCOD	*	0	*	0	6	*	*	*	7
36. GREENLING, OTHER	*	1	*	1	*	*	*	*	2
38. CABEZON	*	1	*	0	1	*	*	*	3
39. PAC. STAGHORN SCULPIN	1	0	*	0	*	*	*	*	1
40. SCULPINS, OTHER	0	0	*	0	*	*	*	*	0
55. PILE PERCH	0	0	*	*	*	*	*	*	0
56. REDTAIL SURPPERCH	0	1	*	8	*	*	*	*	8
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURPPERCH	0	0	*	0	*	*	*	*	1
60. STRIPED SEAPERCH	0	4	*	0	*	*	*	*	4
61. WALLEYE SURPPERCH	1	1	*	0	*	*	*	*	2
62. WHITE SEAPERCH	0	*	*	0	*	*	*	*	1
63. SURPPERCHES, OTHER	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	0	1	*	*	*	1
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	*	0	*	0	2	*	*	*	2
74. SALMONIDS	0	0	*	1	8	*	*	*	10
75. OTHER FISH	0	0	*	0	1	*	*	*	1
TOTAL	4	17	0	124	69	0	0	0	214

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY HOOK & LINE	P/R BOAT	OPFV	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	0
02. SHARK, OTHER	*	*	*	0	*	*	*	0
03. PACIFIC HERRING	17	*	*	*	*	*	*	17
07. SURF SMELT	0	*	*	655	*	*	*	655
08. SMELTS, OTHER	0	*	*	33	*	*	*	34
10. PACIFIC TOMCOD	*	0	*	*	*	*	*	0
13. SILVERSIDES	*	*	*	0	*	*	*	0
14. JACKSMELT	25	1	*	1	*	*	*	27
15. BLACK ROCKFISH	1	*	*	1	*	*	0	2
16. BLUE ROCKFISH	0	*	*	6	*	*	10	16
17. BROWN ROCKFISH	2	0	*	0	*	*	*	2
19. CANARY ROCKFISH	0	*	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	0
23. VERMILION ROCKFISH	0	*	*	*	*	*	*	0
33. ROCKFISHES, OTHER	0	1	*	3	*	*	1	4
34. KELP GREENLING	*	0	*	11	*	*	5	16
35. LINGCOD	*	1	*	1	*	*	2	3
36. GREENLINGS, OTHER	*	1	*	5	*	*	0	6
38. CABEZON	*	2	*	14	*	*	4	19
39. PAC. STAGHORN SCULPIN	0	*	*	0	*	*	0	0
40. SCULPINS, OTHER	0	1	*	0	*	*	*	1
53. BARRED SURFPERCH	*	*	*	0	*	*	*	0
54. BLACK PERCH	*	*	*	1	*	*	*	1
55. PILE PERCH	*	*	*	0	*	*	1	1
56. REDTAIL SURFPERCH	*	1	*	29	*	*	*	30
58. SHINER PERCH	4	1	*	0	*	*	*	5
59. SILVER SURFPERCH	0	0	*	1	*	*	*	1
60. STRIPED SEAPERCH	0	6	*	9	*	*	6	21
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	0
62. WHITE SEAPERCH	*	0	*	1	*	*	*	1
63. SURFPERCHES, OTHER	5	5	*	17	*	*	0	28
67. PACIFIC MACKEREL	4	5	*	*	*	*	*	9
69. STARRY FLOUNDER	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	0
74. SALMONIDS	5	10	*	0	*	*	*	15
75. OTHER FISH	5	1	*	1	*	*	*	7
TOTAL	68	37	0	788	0	0	29	922

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	0
03. SHARK OTHER	*	*	*	*	0	0	*	0
12. PACIFIC HAKE	*	*	*	*	0	*	*	0
15. BLACK ROCKFISH	*	*	*	*	14	1	*	16
16. BLUE ROCKFISH	*	*	*	*	109	86	*	195
18. BOCACCIO	*	*	*	*	1	5	*	6
19. CANARY ROCKFISH	*	*	*	*	16	10	*	26
21. COPPER ROCKFISH	*	*	*	*	10	2	*	13
22. GOPHER ROCKFISH	*	*	*	*	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	2	*	2
26. QUILLBACK ROCKFISH	*	*	*	*	3	11	*	13
27. ROSY ROCKFISH	*	*	*	*	3	9	*	14
29. VERMILION ROCKFISH	*	*	*	*	2	0	*	2
30. WIDOW ROCKFISH	*	*	*	*	2	2	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	10	67	*	77
33. ROCKFISHES, OTHER	*	*	*	*	13	2	*	15
34. KELP GREENLING	*	*	*	*	1	1	*	2
35. LINGCOD	*	*	*	*	18	3	*	20
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	0
38. CABEZON	*	*	*	*	2	0	*	3
63. SURFFERCHES, OTHER	*	*	*	*	0	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	0	5	*	5
71. PACIFIC SANDDAB	*	*	*	*	4	1	*	4
72. ROCK SOLE	*	*	*	*	0	0	*	0
73. FLATFISHES, OTHER	*	*	*	*	5	*	*	5
74. SALMONIDS	*	*	*	*	4	*	*	4
75. OTHER FISH	*	*	*	*	1	1	*	1
TOTAL	0	0	0	0	220	208	0	428

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	*	6	*	6
16. BLUE ROCKFISH	*	*	*	*	20	4	*	24
17. BROWN ROCKFISH	*	*	*	*	*	33	*	33
18. BOCACCIO	*	*	*	*	*	2	*	2
19. CANARY ROCKFISH	*	*	*	*	2	1	*	3
21. COPPER ROCKFISH	*	*	*	*	3	3	*	6
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	14	*	14
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	*	*	1
28. STARRY ROCKFISH	*	*	*	*	*	1	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	8	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	8
33. ROCKFISHES, OTHER	*	*	*	*	24	17	*	41
34. KELP GREENLING	*	*	*	*	1	*	*	1
35. LINGCOD	*	*	*	*	2	0	*	3
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	7	5	*	12
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	0
TOTAL	0	0	0	0	61	95	0	156

TABLE 8. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND GEAR, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL GEAR
01. LEOPARD SHARK	22	0	1	3	39	9	*	*	74
02. SPINY DOGFISH	*	*	*	*	*	3	*	*	3
03. SHARK, OTHER	21	*	2	5	122	13	*	1	164
04. STURGEONS	7	*	*	1	146	35	*	*	189
06. NORTHERN ANCHOVY	*	5	*	0	1	*	*	7	13
10. PACIFIC TOMCOD	10	*	*	*	*	*	*	*	10
13. SILVERSIDES	39	0	0	0	*	*	*	*	40
14. JACKSMILT	326	1	8	40	5	7	*	*	388
15. BLACK ROCKFISH	1	*	*	*	*	22	*	*	28
16. BLUE ROCKFISH	*	*	*	*	13	98	*	1	108
17. BROWN ROCKFISH	75	3	2	*	21	61	*	*	162
18. BOCACCO	*	*	*	*	2	7	*	1	8
19. CANARY ROCKFISH	*	*	*	*	2	25	*	*	27
20. CHILIPEPPER ROCKFISH	*	*	*	*	2	1	*	*	3
21. COPPER ROCKFISH	*	0	*	*	2	24	*	*	26
22. GOPHER ROCKFISH	*	*	*	*	1	3	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	*	15	*	*	15
26. QUILLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSE ROCKFISH	*	*	*	*	7	13	*	*	20
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	4	*	*	4
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	106	*	*	113
33. ROCKFISHES, OTHER	20	0	0	13	77	318	*	*	429
34. KELP GREENLING	*	1	*	1	2	*	*	*	4
35. LINGCOD	1	0	*	1	23	4	*	2	31
36. GREENLINGS, OTHER	1	*	*	1	*	*	*	*	2
38. CABEZON	*	0	0	4	2	0	*	*	7
39. PAC. STAGHORN SCULPIN	499	9	28	221	471	103	*	*	1,332
40. SCULPINS, OTHER	*	*	3	*	2	*	*	*	2
44. STRIPED BASS	19	1	3	34	165	23	*	*	245
48. WHITE CROAKER	146	1	0	7	35	*	*	*	189
53. BARRED SURFPERCH	8	0	0	22	1	*	*	*	31
54. BLACK PERCH	13	0	*	36	11	*	*	*	60
55. PILE PERCH	20	*	0	47	12	*	*	*	80
56. REDTAIL SURFPERCH	*	*	*	41	*	*	*	*	41
57. RUBBERLIP SEAPERCH	5	0	0	15	5	*	*	*	25
58. SHINER PERCH	108	2	1	21	39	*	*	*	170
59. SILVER SURFPERCH	7	*	1	26	0	*	*	*	35
60. STRIPED SEAPERCH	5	5	0	1	6	*	*	*	18
61. WALLEYE SURFPERCH	45	1	*	6	60	*	*	*	111
62. WHITE SEAPERCH	4	*	*	10	2	*	*	*	16
63. SURFPERCHES, OTHER	90	4	9	53	37	*	*	*	193
66. PACIFIC BONITO	2	2	*	1	12	*	*	*	17
67. PACIFIC MACKEREL	106	44	*	29	8	*	*	*	187
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLUNDER	16	0	3	26	48	11	*	*	103
70. CALIFORNIA HALIBUT	*	*	*	*	20	6	*	*	26
71. PACIFIC SANDDAB	307	2	*	2	*	1	*	*	312
73. FLATFISHES, OTHER	46	0	*	6	5	0	*	*	58
74. SALMONIDS	23	*	*	2	8	1	*	*	34
75. OTHER FISH	149	4	4	65	85	8	*	1	317
TOTAL	2,140	87	65	742	1,513	925	0	13	5,485

TABLE 9. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	4	*	*	1	*	*	*	*	5
03. SHARK, OTHER	9	*	*	1	8	*	*	1	19
04. STURGEONS	*	*	*	1	*	*	*	*	5
05. NORTHERN ANCHovy	*	5	*	*	*	*	*	*	5
10. PACIFIC TONGOD	0	*	*	*	*	*	*	*	0
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	31	*	*	1	*	7	*	*	39
15. BLACK ROCKFISH	1	*	*	*	5	22	*	*	28
16. BLUE ROCKFISH	*	*	*	*	10	25	*	1	106
17. BROWN ROCKFISH	4	1	*	*	10	61	*	*	76
18. BOCACCIO	*	*	*	*	*	7	*	1	8
19. CANARY ROCKFISH	*	*	*	*	2	25	*	*	27
20. CHILIPEPPER ROCKFISH	*	*	*	*	2	1	*	*	3
21. COPPER ROCKFISH	*	0	*	*	1	24	*	*	26
22. GOPHER ROCKFISH	*	*	*	*	1	3	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	*	15	*	*	15
26. GULLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	7	13	*	*	20
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	4	*	*	4
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	106	*	*	113
33. ROCKFISHES, OTHER	*	0	*	1	57	283	*	*	341
34. KELP GREENLING	*	0	*	1	2	*	*	*	4
35. LINGCOD	0	0	*	0	15	4	*	2	22
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	0	*	1	1	0	*	*	3
39. PAC. STAGHORN SCULPIN	33	0	15	9	20	6	*	*	88
44. STRIPED BASS	*	0	3	23	3	*	*	*	29
48. WHITE CROAKER	56	1	*	1	6	*	*	*	63
53. BARRED SURFPERCH	5	*	*	22	*	*	*	*	27
54. BLACK PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	*	*	*	40	*	*	*	*	46
57. RUBBERLIP SEAPERCH	*	*	*	*	3	*	*	*	3
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFPERCH	3	*	*	20	*	*	*	*	24
60. STRIPED SEAPERCH	*	*	*	*	5	*	*	*	5
61. WALLEYE SURFPERCH	13	0	*	1	*	*	*	*	14
62. WHITE SEAPERCH	2	*	*	2	*	*	*	*	4
63. SURFPERCHES, OTHER	12	1	*	14	*	*	*	*	27
66. PACIFIC BONITO	2	2	*	1	4	*	*	*	9
67. PACIFIC MACKEREL	102	44	*	29	8	*	*	*	188
69. STARRY FLOUNDER	4	0	*	1	3	*	*	*	8
70. CALIFORNIA HALIBUT	*	*	*	*	4	*	*	*	4
71. PACIFIC SANDDAB	1	*	*	2	*	*	*	*	3
73. FLATFISHES, OTHER	0	0	*	1	1	*	*	*	2
74. SALMONIDS	6	*	*	1	3	*	*	*	10
75. OTHER FISH	16	0	1	9	10	5	*	*	46
TOTAL	307	56	19	184	200	686	0	4	1,457

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	18	0	1	2	39	9	*	*	69
02. SPINY DOGFISH	*	*	*	*	*	3	*	*	3
03. SHARK, OTHER	12	*	2	3	114	13	*	*	145
04. STURGEONS	7	*	*	*	146	35	*	*	189
05. NORTHERN ANCHovy	*	*	*	0	1	*	*	7	8
10. PACIFIC TOMCOD	10	*	*	*	*	*	*	*	10
13. SILVERSIDES	38	0	0	0	*	*	*	*	39
14. JACKSMELT	294	1	8	40	5	*	*	*	349
16. BLUE ROCKFISH	*	*	*	*	3	*	*	*	3
17. BROWN ROCKFISH	71	2	2	*	11	*	*	*	86
21. COPPER ROCKFISH	*	*	*	*	1	*	*	*	1
33. ROCKFISHES, OTHER	20	0	0	12	20	36	*	*	88
34. KELP GREENLING	*	0	*	*	*	*	*	*	0
35. LINGCOD	0	*	*	1	7	*	*	*	8
36. GREENLINGS, OTHER	1	*	*	*	*	*	*	*	1
38. CABEZON	*	*	0	2	1	*	*	*	3
39. PAC. STAGHORN SCULPIN	466	9	12	212	451	97	*	*	1,248
40. SCULPINS, OTHER	*	*	*	*	2	*	*	*	2
44. STRIPED BASS	19	0	*	12	162	23	*	*	216
48. WHITE CRONKER	90	*	0	7	29	*	*	*	126
53. BARRED SURFPERCH	2	0	0	*	1	*	*	*	3
54. BLACK PERCH	13	0	*	36	11	*	*	*	60
55. PILE PERCH	20	*	0	47	12	*	*	*	80
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	5	0	0	15	2	*	*	*	22
58. SHINER PERCH	107	2	1	21	39	*	*	*	170
59. SILVER SURFPERCH	4	*	1	6	0	*	*	*	11
60. STRIPED SEAPERCH	5	5	0	1	1	*	*	*	13
61. WALLEYE SURFPERCH	31	0	*	6	60	*	*	*	97
62. WHITE SEAPERCH	2	*	*	9	2	*	*	*	12
63. SURFPERCHES, OTHER	78	4	9	39	37	*	*	*	166
66. PACIFIC BONITO	*	*	*	*	8	*	*	*	8
67. PACIFIC MACKEREL	4	*	*	*	*	*	*	*	4
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	12	*	3	25	45	11	*	*	96
70. CALIFORNIA HALIBUT	*	*	*	*	16	6	*	*	22
71. PACIFIC SANDOAB	306	2	*	*	*	1	*	*	309
73. FLATFISHES, OTHER	46	0	*	6	4	0	*	*	56
74. SALMONIDS	17	*	*	1	5	1	*	*	24
75. OTHER FISH	133	4	3	56	78	4	*	1	277
TOTAL	1,832	31	45	559	1,313	239	0	8	4,028

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	0	0	*	*	*	1
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	0
03. SHARK, OTHER	*	0	*	0	3	0	*	*	3
08. SMELTS, OTHER	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	5	*	*	*	*	*	*	*	5
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	18	2	*	2	1	*	*	*	21
16. BLUE ROCKFISH	1	*	*	0	109	166	*	1	277
17. BROWN ROCKFISH	*	0	*	0	19	4	*	*	23
18. BOCACCIO	*	*	*	*	1	65	*	*	66
19. CANARY ROCKFISH	*	*	*	*	6	18	*	*	24
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	49	*	*	49
21. COPPER ROCKFISH	*	*	*	*	6	6	*	*	11
22. GOPHER ROCKFISH	*	*	*	*	21	6	*	0	27
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	21	*	*	23
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	15	*	*	16
25. OLIVE ROCKFISH	*	*	*	*	25	47	*	2	73
26. QUILLBACK ROCKFISH	*	*	*	*	1	0	*	0	1
27. ROSY ROCKFISH	*	*	*	*	13	15	*	*	28
28. STARRY ROCKFISH	*	*	*	*	1	11	*	*	13
29. VERMILION ROCKFISH	*	*	*	*	4	3	*	*	7
30. WIDOW ROCKFISH	*	*	*	*	3	18	*	*	22
31. YELLOWTAIL ROCKFISH	*	*	*	*	17	109	*	*	126
33. ROCKFISHES, OTHER	2	0	*	1	123	191	*	4	320
34. KELP GREENLING	0	*	*	0	1	0	*	0	2
35. LINGCOD	0	*	*	0	8	18	*	3	30
37. SABLEFISH	*	*	*	*	2	0	*	*	0
38. CABEZON	0	0	*	0	2	1	*	1	4
39. PAC. STAGHORN SCULPIN	9	0	*	1	*	*	*	*	10
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	0	2	0	*	*	2
44. STRIPED BASS	1	*	*	1	*	*	*	*	2
48. WHITE CROAKER	16	0	*	4	35	*	*	*	54
52. HALFBLOON	*	*	*	*	0	*	*	*	0
53. BARRED SURFPERCH	7	0	*	51	*	*	*	*	58
54. BLACK PERCH	1	0	*	3	*	*	*	*	4
55. PILE PERCH	*	*	*	1	*	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	0	*	0	*	*	*	0	1
58. SHINER PERCH	10	*	*	0	*	*	*	*	10
59. SILVER SURFPERCH	2	*	*	3	*	*	*	*	6
60. STRIPED SEAPERCH	*	*	*	1	0	*	*	*	1
61. WALLEYE SURFPERCH	22	3	*	4	*	*	*	*	29
62. WHITE SEAPERCH	7	1	*	3	*	*	*	*	11
63. SURFPERCHES, OTHER	24	5	*	18	0	*	*	6	54
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	0	*	*	*	23	0	*	*	23
67. PACIFIC MACKEREL	4	1	*	*	49	49	*	*	103
69. STARRY FLOUNDER	2	2	*	1	0	*	*	*	5
70. CALIFORNIA HALIBUT	0	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	1	0	*	*	24	39	*	*	64
72. ROCK SOLE	*	0	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	6	0	*	0	22	4	*	*	30
74. SALMONIDS	*	*	*	*	0	0	*	*	0
75. OTHER FISH	3	0	*	2	14	3	*	0	23
TOTAL	142	14	0	98	540	860	0	17	1,670

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	0	*	*	*	1	3	*	*	4
03. SHARK, OTHER	*	*	*	*	0	*	*	*	0
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	29	*	*	3	3	*	*	*	35
15. BLACK ROCKFISH	*	*	*	*	0	3	*	*	3
16. BLUE ROCKFISH	*	*	*	*	219	142	*	*	361
17. BROWN ROCKFISH	*	*	*	2	20	13	*	*	34
18. BOCACCIO	0	*	*	*	3	*	*	*	4
19. CANARY ROCKFISH	*	*	*	*	7	1	*	*	8
21. COPPER ROCKFISH	*	*	*	2	15	7	*	*	23
22. GOPHER ROCKFISH	*	*	*	*	98	39	*	*	137
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	*	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	52	24	*	*	77
27. ROSY ROCKFISH	*	*	*	*	12	23	*	*	35
28. STARRY ROCKFISH	*	*	*	*	2	13	*	*	15
29. VERMILION ROCKFISH	*	*	*	*	8	9	*	*	17
30. WIDOW ROCKFISH	*	*	*	*	4	1	*	*	5
31. YELLOWTAIL ROCKFISH	0	*	*	*	4	32	*	*	36
33. ROCKFISHES, OTHER	9	*	*	19	48	187	*	*	263
34. KELP GREENLING	1	*	*	0	1	*	*	*	2
35. LINGCOD	1	*	*	*	7	6	*	*	14
36. GREENLING, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	3	5	0	*	*	8
39. PAC. STAGHORN SCULPIN	2	*	*	*	*	*	*	*	2
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	2	*	*	*	*	2
48. WHITE CROAKER	26	*	*	6	54	10	*	*	97
49. QUEENFISH	1	*	*	*	*	*	*	*	1
51. OPALLEYE	*	*	*	0	*	*	*	*	0
53. BARRED SURFFERCH	3	*	*	75	0	*	*	*	79
54. BLACK PERCH	0	*	*	3	*	*	*	*	3
55. PILE PERCH	0	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	8	*	*	1	*	*	*	*	9
59. SILVER SURFFERCH	2	*	*	2	*	*	*	*	4
60. STRIPED SEAPERCH	0	*	*	*	*	*	*	*	0
61. WALLEYE SURFFERCH	10	*	*	0	*	*	*	*	10
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFFERCHES, OTHER	14	*	*	32	0	*	*	*	45
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	0	*	*	1	40	*	*	*	41
67. PACIFIC MACKEREL	73	*	*	1	48	51	*	*	172
68. TUNAS	*	*	*	*	2	*	*	*	2
69. STARRY FLOUNDER	1	*	*	*	1	*	*	*	1
70. CALIFORNIA HALIBUT	0	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	0	*	*	*	2	*	*	*	2
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	0	*	*	*	*	*	*	*	0
74. SALMONIDS	*	*	*	*	6	*	*	*	6
75. OTHER FISH	4	*	*	2	1	*	*	*	7
TOTAL	185	0	0	155	667	563	0	0	1,570

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	52	14	26	0	0	100	0	0	54	52	14	26
02. SPINY DOGFISH	0	0	100	0	0	116	3	2	81	0	0	100	0	0	66	3	2	79
03. SHARK, OTHER	0	0	222	0	0	78	22	7	9	1	1	55	0	0	127	23	7	9
04. STURGEONS	*	*	*	*	*	*	41	*	*	*	*	*	*	*	*	41	*	*
05. PACIFIC HERRING	*	*	*	17	10	60	*	*	*	*	*	*	*	*	*	17	10	60
06. NORTHERN ANCHOVY	*	*	*	*	*	*	7	9	133	*	*	*	*	*	*	7	9	133
07. SURF SMELT	111	137	124	655	402	61	*	*	*	*	*	*	*	*	766	420	79	
08. SMELTS, OTHER	*	*	*	34	23	70	*	*	*	*	*	*	*	*	*	34	23	70
09. PACIFIC TOMCOD	*	*	*	0	0	100	8	6	69	4	3	72	*	*	*	12	6	51
10. PACIFIC HAKE	*	*	*	0	0	118	*	*	*	*	*	*	*	*	*	0	0	118
11. PACIFIC HAKE	*	*	*	0	0	118	*	*	*	*	*	*	*	*	*	0	0	118
13. SILVERSIDES	*	*	*	0	0	100	39	19	49	0	0	100	1	1	117	39	19	48
14. JACKSMELT	0	0	57	26	27	102	359	137	19	19	0	28	12	44	26	27	102	
15. BLACK ROCKFISH	18	18	96	23	9	99	28	12	44	*	*	*	3	3	87	23	9	99
16. BLUE ROCKFISH	12	9	77	236	62	28	108	46	47	21	77	29	22	62	236	62	28	
17. BROWN ROCKFISH	0	0	76	35	17	48	138	41	30	23	7	29	34	23	67	35	17	48
18. BOCACCIO	*	*	*	7	5	71	7	3	42	66	22	33	4	5	122	7	5	71
19. CANARY ROCKFISH	7	7	96	29	11	39	27	11	20	24	49	28	8	63	29	11	39	
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	3	2	40	22	7	45	5	5	63	*	*	*
21. COPPER ROCKFISH	3	3	94	19	7	36	26	10	20	11	33	30	12	51	19	7	36	
22. GOPHER ROCKFISH	*	*	*	1	1	77	3	2	64	28	7	29	15	9	69	1	1	77
23. GREENSPOTTED ROCKFISH	*	*	*	0	0	62	2	2	71	23	8	36	1	1	68	2	2	62
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	1	1	100	16	8	50	*	*	*	1	1	9
25. OLIVE ROCKFISH	*	*	*	16	7	44	15	7	51	73	20	27	77	51	66	16	7	44
26. QUILLBACK ROCKFISH	0	0	118	14	10	67	5	4	92	1	1	56	*	*	*	14	10	67
27. ROSY ROCKFISH	0	0	100	15	7	44	20	9	48	29	12	41	35	25	71	15	7	44
28. STARRY ROCKFISH	*	*	*	1	1	71	3	3	77	13	6	46	15	12	80	1	1	71
29. VERMILION ROCKFISH	1	1	79	3	2	47	4	3	57	7	2	27	17	12	67	1	1	79
30. WIDOW ROCKFISH	*	*	*	2	1	51	*	*	*	22	11	29	5	5	88	2	1	51
31. YELLOWTAIL ROCKFISH	2	2	116	85	47	16	113	40	35	128	37	23	36	31	88	2	2	116
32. ROCKFISHES, OTHER	2	1	56	57	8	54	365	199	55	222	52	23	25	202	79	2	1	56
33. ROCKFISHES, OTHER	2	1	56	57	8	54	365	199	55	222	52	23	25	202	79	2	1	56
34. KELP GREENLING	5	4	88	18	6	35	4	2	59	1	1	38	2	1	63	5	4	88
35. LINGCOD	7	5	71	25	12	47	15	6	37	26	9	38	10	6	64	7	5	71
36. GREENLING, OTHER	1	1	54	6	2	41	1	1	60	*	*	100	0	0	100	1	1	54
37. SABLEFISH	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	*	*	*
38. CABEZON	2	1	67	21	7	35	3	2	53	4	1	34	8	5	63	2	1	67
39. PAC. STAGHORN SCULPIN	0	1	196	0	0	100	128	19	15	2	1	50	0	0	91	131	19	15
40. SCULPINS, OTHER	0	0	33	1	1	82	2	1	26	*	*	*	*	*	*	1	1	27
43. KELP BASS	*	*	*	*	*	*	*	*	*	2	1	41	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	*	*	113	20	17	1	1	53	*	*	*	115	20	17
45. WHITE CROAKER	*	*	*	*	*	*	160	74	46	35	9	27	59	50	85	24	90	35
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
51. OPALLEYE	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
52. HALIBUT	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
53. BARRED SURFPERCH	*	*	*	0	0	71	29	11	40	57	18	32	68	50	73	14	5	36
54. BLACK PERCH	*	*	*	1	1	90	57	24	43	4	2	46	2	3	136	64	25	39
55. PILE PERCH	0	0	56	1	1	80	80	27	34	1	0	52	1	1	89	1	1	80
56. REDTAIL SURFPERCH	8	7	87	30	16	52	37	13	35	0	0	100	*	*	*	28	11	33
57. RUBBERLIP SEAPERCH	0	0	100	*	*	*	22	8	35	1	1	70	1	1	127	22	8	35
58. SHINER PERCH	0	0	83	4	2	61	111	23	21	4	3	66	6	5	95	4	2	61
59. SILVER SURFPERCH	1	0	74	1	1	70	34	10	31	6	2	41	3	2	95	1	0	74
60. STRIPED SEAPERCH	3	4	124	21	6	30	18	8	42	1	1	56	0	0	261	44	11	25
61. WALLEYE SURFPERCH	1	1	55	0	0	75	91	26	28	11	9	33	10	5	50	131	28	21
62. WHITE SEAPERCH	0	0	123	0	0	100	16	8	28	28	4	70	0	0	100	139	28	21
63. SURFPERCHES, OTHER	0	0	*	9	3	30	80	16	26	26	7	0	38	31	82	139	36	25
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	0	0	100
66. PACIFIC BONITO	1	2	146	0	0	100	11	5	43	21	8	40	41	42	102	74	43	57
67. PACIFIC MACKEREL	*	*	*	17	7	41	147	98	63	62	19	31	135	66	50	362	117	103
68. TUNAS	0	0	*	0	0	*	0	0	0	5	1	29	2	2	114	2	2	17
69. STARRY FLOUNDER	*	*	100	*	*	100	28	16	27	5	0	70	1	0	71	28	16	27
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	28	16	27	5	0	70	1	0	71	28	16	27
71. PACIFIC SANDDAB	1	1	100	4	5	129	311	129	41	63	27	42	2	2	99	381	131	34
72. ROCK SOLE	*	*	*	0	0	100	*	*	*	0	0	73	0	0	78	0	0	45
73. FLATFISHES, OTHER	2	2	97	6	3	80	45	16	36	31	8	27	0	0	115	46	18	22
74. SALMONIDS	4	5	127	10	4	71	21	7	21	0	0	100	6	7	115	18	12	29
75. OTHER FISH	1	1	113	7	5	71	120	21	21	7	2	57	4	1	57	138	28	19
TOTAL	194	139	72	1,459	413	283	3,163	319	101	1,417	118	81	1,432	341	24	7,664	650	8

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	PIER & DOCK BREAKWATER	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	3	11	0	122	59	*	*	0	194
MENDOCINO/SONOMA (NON-BOAT MODES)	54	23	*	772	*	*	*	29	878
MENDOCINO (BOAT MODES)	*	*	*	*	217	208	*	*	425
SONOMA (BOAT MODES)	*	*	*	*	60	95	*	*	155
SAN FRANCISCO	1,389	53	17	395	542	756	*	11	3,163
SANTA CRUZ/MONTEREY	104	12	*	77	452	755	*	17	1,417
SAN LUIS OBISPO	141	*	*	124	629	538	*	*	1,432
TOTAL	1,691	99	17	1,490	1,960	2,352	0	57	7,664

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	19	0	0	2	21	9	*	*	*	52
02. SPINY DOGFISH	*	0	*	*	1	3	*	*	*	4
03. SHARK, OTHER	5	*	*	2	13	3	*	*	1	23
04. STURGEONS	1	*	*	*	28	12	*	*	*	41
05. PACIFIC HERRING	17	*	*	*	*	*	*	*	*	17
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	7	7
07. SURF SMELT	0	0	*	766	*	*	*	*	*	766
08. SMELTS, OTHER	0	*	*	33	*	*	*	*	*	34
10. PACIFIC TONGOD	12	0	*	*	*	*	*	*	*	12
12. PACIFIC HAKE	*	*	*	*	0	*	*	*	*	0
13. SILVERSIDES	40	0	0	0	*	*	*	*	*	40
14. JACKSMELT	381	3	8	36	4	*	*	*	*	433
15. BLACK ROCKFISH	2	0	*	1	37	32	*	*	0	72
16. BLUE ROCKFISH	1	0	*	6	463	485	*	*	11	965
17. BROWN ROCKFISH	55	3	*	2	60	110	*	*	*	230
18. BOCACCIO	0	*	*	*	5	79	*	*	*	84
19. CANARY ROCKFISH	0	*	*	*	40	54	*	*	*	94
20. CHILLIPEPPER ROCKFISH	*	*	*	*	2	51	*	*	*	53
21. COPPER ROCKFISH	*	0	*	2	38	42	*	*	*	80
22. GOPHER ROCKFISH	*	*	*	*	117	47	*	*	0	164
23. GREENSPOTTED ROCKFISH	*	*	*	*	4	23	*	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	17	*	*	*	17
25. OLIVE ROCKFISH	*	*	*	*	78	101	*	*	2	181
26. QUILLBACK ROCKFISH	*	*	*	*	9	11	*	*	0	21
27. ROSY ROCKFISH	*	*	*	*	38	61	*	*	*	98
28. STARRY ROCKFISH	*	*	*	*	4	28	*	*	*	32
29. VERMILION ROCKFISH	0	*	*	*	15	17	*	*	*	32
30. WIDOW ROCKFISH	*	*	*	*	8	21	*	*	*	29
31. YELLOWTAIL ROCKFISH	*	*	*	*	40	322	*	*	*	362
33. ROCKFISHES, OTHER	9	1	*	16	230	641	*	*	4	901
34. KELP GREENLING	1	4	*	12	7	1	*	*	5	30
35. LINGCOD	1	1	*	1	48	25	*	*	7	83
36. GREENLINGS, OTHER	*	1	*	6	1	*	*	*	0	8
37. SABLEFISH	*	*	*	*	*	*	*	*	*	8
38. CABEZON	0	2	0	17	12	0	*	*	5	38
39. PAC. STAGHORN SCULPIN	61	1	1	26	42	*	*	*	0	131
40. SCULPINS, OTHER	0	1	*	0	2	*	*	*	*	3
43. KELP BASS	*	*	*	0	2	0	*	*	*	2
44. STRIPED BASS	2	0	*	27	65	21	*	*	*	115
48. WHITE CROAKER	152	1	*	8	93	0	*	*	*	244
49. QUEENFISH	0	*	*	*	*	*	*	*	*	0
51. OPALLEYE	*	*	*	0	*	*	*	*	*	0
52. HALIBOOT	*	*	*	*	0	*	*	*	*	0
53. BARRED SURFPERCH	18	0	0	135	1	*	*	*	*	154
54. BLACK PERCH	14	0	*	42	8	*	*	*	*	64
55. PILE PERCH	21	0	0	49	12	*	*	*	1	83
56. REDTAIL SURFPERCH	0	2	*	73	5	*	*	*	*	78
57. RUBBERLIP SEAPERCH	5	0	0	13	5	*	*	*	0	24
58. SHINER PERCH	9	2	0	15	13	*	*	*	*	45
59. SILVER SURFPERCH	11	0	1	32	*	*	*	*	*	45
60. STRIPED SEAPERCH	6	14	0	11	7	*	*	*	6	44
61. WALLEYE SURFPERCH	77	4	*	10	40	*	*	*	*	131
62. WHITE SEAPERCH	12	1	*	15	2	*	*	*	*	29
63. SURFPERCHES, OTHER	61	9	1	52	26	*	*	*	6	153
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	2	2	*	2	68	0	*	*	*	74
67. PACIFIC MACKEREL	170	32	*	6	88	72	*	*	*	362
68. TUNAS	*	*	*	*	2	*	*	*	*	2
69. STARRY FLOUNDER	15	2	3	25	35	10	*	*	*	91
70. CALIFORNIA HALIBUT	0	*	*	*	19	6	*	*	*	26
71. PACIFIC SANDDAB	306	2	*	2	30	41	*	*	*	381
72. ROCK SOLE	*	*	*	*	1	0	*	*	*	1
73. FLATFISHES, OTHER	45	1	*	4	30	4	*	*	*	84
74. SALMONIDS	19	6	*	2	13	0	*	*	*	40
75. OTHER FISH	56	2	*	38	40	1	*	*	1	138
TOTAL	1,691	99	17	1,490	1,960	2,352	0	57		7,664

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	0	*	*	*	*	*	*	0
03. SHARK, OTHER	*	*	*	0	*	*	*	*	0
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
07. SURF SNELT	*	0	*	110	*	*	*	*	111
14. JACKSMELT	0	*	*	0	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	1	17	*	*	*	18
16. BLUE ROCKFISH	*	0	*	*	11	*	*	*	12
17. BROWN ROCKFISH	*	0	*	*	0	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	7	*	*	*	7
21. COPPER ROCKFISH	*	0	*	*	3	*	*	*	3
26. GULLBACK ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	*	*	*	2
33. ROCKFISHES, OTHER	*	0	*	0	2	*	*	*	2
34. KELP GREENLING	0	4	*	0	1	*	*	*	5
35. LINGCOD	*	0	*	0	6	*	*	*	7
36. GREENLINGS, OTHER	*	1	*	0	*	*	*	*	1
38. CABEZON	*	1	*	0	1	*	*	*	2
39. PAC. STAGHORN SCULPIN	0	*	*	*	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	0	*	*	*	*	0
55. PILE PERCH	0	0	*	*	*	*	*	*	0
56. REDTAIL SURPPERCH	0	1	*	7	*	*	*	*	8
57. RUBBERLIP SEAPERCH	0	*	*	*	*	*	*	*	0
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURPPERCH	0	0	*	0	*	*	*	*	1
60. STRIPED SEAPERCH	0	3	*	0	*	*	*	*	3
61. WALLEYE SURPPERCH	1	0	*	0	*	*	*	*	1
62. WHITE SEAPERCH	0	*	*	0	*	*	*	*	0
63. SURPPERCHES, OTHER	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	0	1	*	*	*	1
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	*	*	*	*	2	*	*	*	2
74. SALMONIDS	0	0	*	1	3	*	*	*	4
75. OTHER FISH	0	0	*	0	0	*	*	*	1
TOTAL	3	11	0	122	59	0	0	0	194

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	*	0
03. SHARK, OTHER	*	*	*	0	*	*	*	*	*	0
05. PACIFIC HERRING	17	*	*	*	*	*	*	*	*	17
07. SURF SMELT	0	*	*	655	*	*	*	*	*	655
08. SMELTS, OTHER	0	*	*	33	*	*	*	*	*	34
10. PACIFIC TOMCOD	*	0	*	*	*	*	*	*	*	0
13. SILVERSIDES	*	*	*	0	*	*	*	*	*	0
14. JACKSMELT	25	1	*	1	*	*	*	*	*	26
15. BLACK ROCKFISH	1	*	*	1	*	*	*	*	0	2
16. BLUE ROCKFISH	0	*	*	6	*	*	*	*	10	16
17. BROWN ROCKFISH	2	0	*	0	*	*	*	*	*	2
19. CANARY ROCKFISH	0	*	*	*	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	0	0
29. VERMILION ROCKFISH	0	*	*	*	*	*	*	*	*	0
33. ROCKFISHES, OTHER	0	1	*	2	*	*	*	*	1	3
34. KELP GREENLING	*	0	*	11	*	*	*	*	5	16
35. LINGCOD	*	1	*	0	*	*	*	*	2	3
36. GREENLING, OTHER	*	1	*	5	*	*	*	*	0	5
38. CABEZON	*	1	*	13	*	*	*	*	4	18
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	0	0
40. SCULPINS, OTHER	*	0	*	0	*	*	*	*	*	1
53. BARRED SURFPERCH	*	*	*	0	*	*	*	*	*	0
54. BLACK PERCH	*	*	*	1	*	*	*	*	*	1
55. PILE PERCH	*	*	*	0	*	*	*	*	1	1
56. REDTAIL SURFPERCH	*	1	*	29	*	*	*	*	*	30
58. SHINER PERCH	3	1	*	*	*	*	*	*	*	4
59. SILVER SURFPERCH	0	0	*	1	*	*	*	*	*	1
60. STRIPED SEAPERCH	0	6	*	9	*	*	*	*	6	21
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	*	*	0
62. WHITE SEAPERCH	*	0	*	1	*	*	*	*	*	1
63. SURFPERCHES, OTHER	0	4	*	4	*	*	*	*	0	9
67. PACIFIC MACKEREL	*	0	*	*	*	*	*	*	*	0
69. STARRY FLUNDER	*	*	*	0	*	*	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	*	0
74. SALMONIDS	0	6	*	0	*	*	*	*	*	6
75. OTHER FISH	5	1	*	1	*	*	*	*	*	6
TOTAL	54	23	0	772	0	0	0	0	29	878

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	*	*	*	0	0	*	*	0
12. PACIFIC HAKE	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	14	1	*	*	16
16. BLUE ROCKFISH	*	*	*	*	109	86	*	*	195
18. BOCACCIO	*	*	*	*	1	5	*	*	6
19. CANARY ROCKFISH	*	*	*	*	16	10	*	*	26
21. COPPER ROCKFISH	*	*	*	*	10	2	*	*	13
22. GOPHER ROCKFISH	*	*	*	*	1	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	2	*	*	2
26. QUILLBACK ROCKFISH	*	*	*	*	3	11	*	*	15
27. ROSY ROCKFISH	*	*	*	*	5	9	*	*	14
29. VERMILION ROCKFISH	*	*	*	*	2	0	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	10	67	*	*	77
33. ROCKFISHES, OTHER	*	*	*	*	11	2	*	*	13
34. KELP GREENLING	*	*	*	*	1	1	*	*	2
35. LINGCOD	*	*	*	*	17	3	*	*	20
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	2	0	*	*	3
63. SURPERCHES, OTHER	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC HACKEREL	*	*	*	*	0	5	*	*	5
71. PACIFIC SANDDAB	*	*	*	*	4	1	*	*	4
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	5	*	*	*	5
74. SALMONIDS	*	*	*	*	5	*	*	*	5
75. OTHER FISH	*	*	*	*	1	1	*	*	1
TOTAL	0	0	0	0	217	208	0	0	425

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	*	6	*	*	6
16. BLUE ROCKFISH	*	*	*	*	20	4	*	*	24
17. BROWN ROCKFISH	*	*	*	*	*	33	*	*	33
18. BOCACCIO	*	*	*	*	*	2	*	*	2
19. CANARY ROCKFISH	*	*	*	*	2	1	*	*	3
21. COPPER ROCKFISH	*	*	*	*	3	3	*	*	6
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	14	*	*	14
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	*	*	*	1
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	8	*	*	8
33. ROCKFISHES, OTHER	*	*	*	*	24	17	*	*	41
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	2	0	*	*	3
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
67. PACIFIC HACKEREL	*	*	*	*	6	5	*	*	12
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	60	95	0	0	155

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	19	0	0	2	21	9	*	*	52
02. SPINY DOGFISH	*	*	*	*	*	3	*	*	3
03. SHARK, OTHER	5	*	*	2	12	2	*	1	22
04. STURGEONS	1	*	*	*	28	12	*	*	41
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	7	7
10. PACIFIC TOMCOD	8	*	*	*	*	*	*	*	8
13. SILVERSIDES	39	0	0	*	*	*	*	*	39
14. JACKSMELT	318	1	8	31	1	*	*	*	359
15. BLACK ROCKFISH	1	*	*	*	5	22	*	*	28
16. BLUE ROCKFISH	*	*	*	*	12	91	*	*	103
17. BROWN ROCKFISH	53	3	*	*	21	61	*	*	138
18. BOCACCIO	*	*	*	*	*	7	*	*	7
19. CANARY ROCKFISH	*	*	*	*	2	25	*	*	27
20. CHILLIPEPPER ROCKFISH	*	*	*	*	2	1	*	*	3
21. COPPER ROCKFISH	*	0	*	*	2	24	*	*	26
22. GOPHER ROCKFISH	*	*	*	*	1	3	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	*	15	*	*	15
26. GULLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	7	13	*	*	20
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	4	*	*	4
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	106	*	*	113
33. ROCKFISHES, OTHER	*	0	*	*	56	308	*	*	365
34. KELP GREENLING	*	1	*	1	2	*	*	*	4
35. LINGCOD	*	0	*	1	10	3	*	2	15
36. GREENLING, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	0	0	1	1	0	*	*	3
39. PAC. STAGHORN SCULPIN	59	1	1	26	42	*	*	*	128
40. SCULPINS, OTHER	*	*	*	*	2	*	*	*	2
44. STRIPED BASS	1	0	*	26	65	21	*	*	113
48. WHITE CROAKER	128	1	*	4	27	*	*	*	160
53. BARRED SURFPERCH	8	0	0	20	1	*	*	*	29
54. BLACK PERCH	13	0	*	36	8	*	*	*	57
55. PILE PERCH	20	*	0	47	12	*	*	*	80
56. REDTAIL SURFPERCH	*	*	0	37	*	*	*	*	37
57. RUBBERLIP SEAPERCH	5	0	0	12	5	*	*	*	22
58. SHINER PERCH	81	2	0	15	13	*	*	*	111
59. SILVER SURFPERCH	7	*	1	25	*	*	*	*	34
60. STRIPED SEAPERCH	5	5	0	1	6	*	*	*	18
61. WALLEYE SURFPERCH	45	1	*	6	46	*	*	*	91
62. WHITE SEAPERCH	4	*	*	10	2	*	*	*	16
63. SURFPERCHES, OTHER	38	1	1	16	24	*	*	*	80
66. PACIFIC BONITO	2	2	*	1	7	*	*	*	11
67. PACIFIC MACKEREL	106	31	*	5	5	*	*	*	147
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	14	0	3	24	34	10	*	*	86
70. CALIFORNIA HALIBUT	*	*	*	*	19	6	*	*	25
71. PACIFIC SANDDAB	306	2	*	2	*	1	*	*	311
73. FLATFISHES, OTHER	40	0	*	4	0	0	*	*	45
74. SALMONIDS	19	*	*	1	0	*	*	*	21
75. OTHER FISH	48	1	*	36	33	*	*	1	120
TOTAL	1,389	53	17	395	542	756	0	11	3,163

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	*	*	1	*	*	*	*	2
03. SHARK, OTHER	4	*	*	1	2	*	*	1	6
04. STURGEONS	*	*	*	*	*	*	*	*	*
05. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	0	*	*	*	*	*	*	*	0
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	29	*	*	1	*	*	*	*	30
15. BLACK ROCKFISH	1	*	*	*	5	22	*	*	28
16. BLUE ROCKFISH	*	*	*	*	9	91	*	*	100
17. BROWN ROCKFISH	4	1	*	*	10	61	*	*	75
18. BOACCIO	*	*	*	*	*	7	*	*	7
19. CANARY ROCKFISH	*	*	*	*	2	25	*	*	27
20. CHILIPEPPER ROCKFISH	*	*	*	*	2	1	*	*	3
21. COPPER ROCKFISH	*	0	*	*	1	24	*	*	25
22. GOPHER ROCKFISH	*	*	*	*	1	3	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	*	15	*	*	15
26. QUILLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	7	13	*	*	20
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	4	*	*	4
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	106	*	*	113
33. ROCKFISHES, OTHER	*	0	*	*	56	273	*	*	329
34. KELP GREENLING	*	0	*	1	2	*	*	*	4
35. LINGCOD	*	0	*	*	7	3	*	2	13
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	0	*	1	1	0	*	*	3
39. PAC. STAGHORN SOULPIN	7	*	*	1	10	*	*	*	18
44. STRIPED BASS	*	0	*	20	3	*	*	*	23
48. WHITE CROAKER	49	1	*	*	3	*	*	*	53
53. BARRED SURFPERCH	5	*	*	20	*	*	*	*	26
54. BLACK PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	*	*	*	35	*	*	*	*	35
57. RUBBERLIP SEAPERCH	*	*	*	*	3	*	*	*	3
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	3	*	*	20	*	*	*	*	23
60. STRIPED SEAPERCH	*	*	*	*	5	*	*	*	5
61. WALLEYE SURFPERCH	13	0	*	1	*	*	*	*	14
62. WHITE SEAPERCH	2	*	*	2	*	*	*	*	4
63. SURFPERCHES, OTHER	8	0	*	7	*	*	*	*	15
66. PACIFIC BONITO	2	2	*	1	3	*	*	*	8
67. PACIFIC MACKEREL	102	31	*	5	5	*	*	*	143
69. STARRY FLOUNDER	4	0	*	0	3	*	*	*	6
70. CALIFORNIA HALIBUT	*	*	*	*	4	*	*	*	4
71. PACIFIC SANDDAB	1	*	*	2	*	*	*	*	3
73. FLATFISHES, OTHER	0	0	*	1	0	*	*	*	1
74. SALMONIDS	6	*	*	1	*	*	*	*	6
75. OTHER FISH	3	0	*	2	3	*	*	*	7
TOTAL	244	37	0	123	158	655	0	3	1,219

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	18	0	0	1	21	9	*	*	50
02. SPINY DOGFISH	*	*	*	*	*	3	*	*	3
03. SHARK, OTHER	1	*	*	2	10	2	*	*	15
04. STURGEONS	1	*	*	*	28	12	*	*	41
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	7	7
10. PACIFIC TOMCOD	8	*	*	*	*	*	*	*	8
13. SILVERSIDES	38	0	0	*	*	*	*	*	39
14. JACKSMELT	289	1	8	31	1	*	*	*	329
16. BLUE ROCKFISH	*	*	*	*	3	*	*	*	3
17. BROWN ROCKFISH	50	2	*	*	11	*	*	*	62
21. COPPER ROCKFISH	*	*	*	*	1	*	*	*	1
33. ROCKFISHES, OTHER	*	*	*	*	*	36	*	*	36
34. KELP GREENLING	*	0	*	*	*	*	*	*	0
35. LINGCOD	*	*	*	1	2	*	*	*	3
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	0	*	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	52	1	1	25	30	*	*	*	110
40. SCULPINS, OTHER	*	*	*	*	2	*	*	*	2
44. STRIPED BASS	1	0	*	6	62	21	*	*	90
48. WHITE CRONKER	79	*	*	4	24	*	*	*	107
53. BARRED SURFFERCH	2	0	0	*	1	*	*	*	3
54. BLACK PERCH	13	0	*	36	8	*	*	*	57
55. PILE PERCH	20	*	0	47	12	*	*	*	80
56. REDTAIL SURFFERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	5	0	0	12	2	*	*	*	19
58. SHINER PERCH	81	2	0	15	13	*	*	*	111
59. SILVER SURFFERCH	4	*	1	6	*	*	*	*	11
60. STRIPED SEAPERCH	5	5	0	1	1	*	*	*	13
61. WALLEYE SURFFERCH	31	0	*	6	46	*	*	*	77
62. WHITE SEAPERCH	2	*	*	9	2	*	*	*	12
63. SURFFERCHES, OTHER	30	1	1	8	24	*	*	*	66
66. PACIFIC BONITO	*	*	*	*	3	*	*	*	3
67. PACIFIC MACKEREL	4	*	*	*	*	*	*	*	4
68. TUNAS	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	10	*	3	24	32	10	*	*	79
70. CALIFORNIA HALIBUT	*	*	*	*	15	6	*	*	21
71. PACIFIC SANDDAB	305	2	*	*	*	1	*	*	308
73. FLATFISHES, OTHER	39	0	*	3	*	0	*	*	43
74. SALMONIDS	14	*	*	1	0	*	*	*	15
75. OTHER FISH	45	1	*	35	31	*	*	1	113
TOTAL	1,144	16	17	272	384	102	0	8	1,943

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	*	*	*	1	0	*	*	1
08. SHELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	4	*	*	*	*	*	*	*	4
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	15	2	*	2	1	*	*	*	19
16. BLUE ROCKFISH	1	*	*	0	98	161	*	1	261
17. BROWN ROCKFISH	*	0	*	0	18	4	*	*	23
18. BOCACCIO	*	*	*	*	1	65	*	*	66
19. CANARY ROCKFISH	*	*	*	*	6	18	*	*	24
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	49	*	*	49
21. COPPER ROCKFISH	*	*	*	*	6	6	*	*	11
22. GOPHER ROCKFISH	*	*	*	*	20	6	*	0	26
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	21	*	*	23
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	15	*	*	16
25. OLIVE ROCKFISH	*	*	*	*	25	47	*	2	73
26. QUILLBACK ROCKFISH	*	*	*	*	1	0	*	0	1
27. ROSY ROCKFISH	*	*	*	*	13	15	*	*	28
28. STARRY ROCKFISH	*	*	*	*	1	11	*	*	13
29. VERMILION ROCKFISH	*	*	*	*	4	3	*	*	7
30. WIDOW ROCKFISH	*	*	*	*	3	18	*	*	21
31. YELLOWTAIL ROCKFISH	*	*	*	*	17	109	*	*	126
33. ROCKFISHES, OTHER	0	0	*	1	91	125	*	4	222
34. KELP GREENLING	0	*	*	0	1	0	*	0	1
35. LINGCOD	0	*	*	0	7	16	*	3	26
37. SABLEFISH	*	*	*	*	*	0	*	*	0
38. CABEZON	0	0	*	0	2	1	*	1	4
39. PAC. STAGHORN SCULPIN	2	0	*	0	*	*	*	*	2
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	0	2	0	*	*	2
44. STRIPED BASS	1	*	*	0	*	*	*	*	1
48. WHITE CROAKER	13	0	*	2	20	*	*	*	36
52. HALIBOOT	*	*	*	*	*	*	*	*	0
53. BARRED SURFPERCH	7	0	*	50	*	*	*	*	57
54. BLACK PERCH	1	0	*	3	*	*	*	*	4
55. PILE PERCH	*	*	*	1	*	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	0	*	0	*	*	*	0	1
58. SHINER PERCH	4	*	*	0	*	*	*	*	4
59. SILVER SURFPERCH	2	*	*	3	*	*	*	*	6
60. STRIPED SEAPERCH	*	*	*	1	0	*	*	*	1
61. WALLEYE SURFPERCH	22	3	*	4	*	*	*	*	29
62. WHITE SEAPERCH	7	1	*	3	*	*	*	*	11
63. SURFPERCHES, OTHER	12	4	*	4	0	*	*	6	28
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	0	*	*	*	20	0	*	*	21
67. PACIFIC MACKEREL	3	1	*	*	38	20	*	*	62
69. STARRY FLOUNDER	1	2	*	1	0	*	*	*	5
70. CALIFORNIA HALIBUT	0	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	1	0	*	*	2	39	*	*	63
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	5	0	*	0	22	3	*	*	31
74. SALMONIDS	*	*	*	*	*	0	*	*	0
75. OTHER FISH	1	0	*	0	5	0	*	0	7
TOTAL	104	12	0	77	452	755	0	17	1,417

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	0	*	*	1
03. SHARK, OTHER	*	*	*	*	0	*	*	*	0
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	23	*	*	2	3	*	*	*	28
15. BLACK ROCKFISH	*	*	*	*	0	3	*	*	3
16. BLUE ROCKFISH	*	*	*	*	212	142	*	*	354
17. BROWN ROCKFISH	*	*	*	2	20	13	*	*	34
18. BOCACCIO	0	*	*	*	3	*	*	*	4
19. CANARY ROCKFISH	*	*	*	*	7	1	*	*	8
21. COPPER ROCKFISH	*	*	*	2	15	7	*	*	23
22. GOPHER ROCKFISH	*	*	*	*	96	39	*	*	135
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	*	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	52	24	*	*	77
27. ROSY ROCKFISH	*	*	*	*	12	23	*	*	35
28. STARRY ROCKFISH	*	*	*	*	2	13	*	*	15
29. VERMILION ROCKFISH	*	*	*	*	8	9	*	*	17
30. WIDOW ROCKFISH	*	*	*	*	4	1	*	*	5
31. YELLOWTAIL ROCKFISH	*	*	*	*	4	32	*	*	36
33. ROCKFISHES, OTHER	9	*	*	14	46	187	*	*	255
34. KELP GREENLING	1	*	*	*	1	*	*	*	2
35. LINGCOD	1	*	*	*	6	3	*	*	10
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	2	5	0	*	*	8
39. PAC. STAGHORN SCULPIN	0	*	*	*	*	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	11	*	*	2	46	0	*	*	59
49. QUEENFISH	0	*	*	*	*	*	*	*	0
51. OPALEYE	*	*	*	0	*	*	*	*	0
53. BARRED SURFFERCH	3	*	*	65	0	*	*	*	68
54. BLACK PERCH	0	*	*	2	*	*	*	*	2
55. PILE PERCH	0	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	6	*	*	*	*	*	*	*	6
59. SILVER SURFFERCH	2	*	*	2	*	*	*	*	3
60. STRIPED SEAPERCH	0	*	*	0	*	*	*	*	0
61. WALLEYE SEAPERCH	9	*	*	*	*	*	*	*	10
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFFERCHES, OTHER	10	*	*	27	0	*	*	*	38
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	0	*	*	1	45	*	*	*	41
67. PACIFIC MACKEREL	61	*	*	1	32	41	*	*	135
68. TUNAS	*	*	*	*	2	*	*	*	2
69. STARRY FLOUNDER	0	*	*	*	1	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	0	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	0	*	*	*	*	*	*	*	0
74. SALMONIDS	*	*	*	*	6	*	*	*	6
75. OTHER FISH	2	*	*	1	1	*	*	*	4
TOTAL	141	0	0	124	629	538	0	0	1,432

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1963--DEC 1963.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	26	8	29	0	0	100	*	*	*	27	8	29
02. SPINY DOGFISH	0	0	100	0	0	116	3	2	81	0	0	100	1	1	65	4	2	57
03. SHARK, OTHER	0	0	222	0	0	100	16	6	37	0	0	100	0	0	127	17	6	36
04. STURGEONS	*	*	*	*	*	*	40	9	23	*	*	*	*	*	*	40	9	23
05. PACIFIC HERRING	*	*	*	16	10	61	*	*	*	*	*	*	*	*	*	16	10	61
06. NORTHERN ANCHOVY	*	*	*	*	*	*	7	9	133	*	*	*	*	*	*	7	9	133
07. SURF SMELT	110	137	124	649	402	62	*	*	*	*	*	*	*	*	*	759	425	56
08. SMELTS, OTHER	*	*	*	34	23	70	*	*	*	*	*	*	*	*	*	34	23	70
10. PACIFIC TOMCOD	*	*	*	0	0	100	8	6	69	4	3	72	*	*	*	12	6	51
12. PACIFIC HAKE	*	*	*	0	0	118	*	*	*	*	*	*	*	*	*	0	0	118
13. SILVERSIDES	*	*	*	3	0	100	15	14	92	0	0	100	1	1	117	16	14	87
14. JACKSMELT	0	0	60	23	1	47	233	117	50	11	4	35	20	3	49	267	117	44
15. BLACK ROCKFISH	18	18	100	23	9	39	28	12	44	24	7	28	342	103	98	271	23	33
16. BLUE ROCKFISH	12	9	77	201	61	30	103	48	47	249	76	31	221	65	65	907	246	27
17. BROWN ROCKFISH	0	0	76	35	17	48	135	41	31	22	6	29	30	23	76	223	51	23
18. BOCCACCIO	*	*	*	7	5	71	7	3	42	65	22	34	4	5	128	83	23	28
19. CANARY ROCKFISH	7	7	96	29	11	39	27	11	40	24	7	28	6	4	64	93	18	20
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	3	2	73	49	22	45	*	*	*	53	22	43
21. COPPER ROCKFISH	3	3	94	19	7	36	26	10	40	4	3	30	22	12	53	81	22	22
22. GOPHER ROCKFISH	*	*	*	1	1	77	3	2	64	26	7	29	131	93	71	160	93	58
23. GREENSPOTTED ROCKFISH	*	*	*	0	0	62	2	2	71	23	8	36	1	1	68	27	9	32
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	1	1	100	16	8	50	*	*	*	17	8	47
25. OLIVE ROCKFISH	0	0	*	16	7	44	15	7	51	73	20	27	74	51	68	178	55	31
26. QUILLBACK ROCKFISH	0	0	118	14	10	67	5	4	92	1	1	56	*	*	*	21	11	51
27. ROSY ROCKFISH	0	0	100	15	7	44	20	9	48	29	12	41	34	25	72	98	30	30
28. STARRY ROCKFISH	*	*	*	1	1	71	3	3	77	13	6	47	15	12	80	30	13	42
29. VERMILION ROCKFISH	1	1	79	3	1	47	4	3	57	6	2	28	16	11	71	12	40	40
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*	22	11	49	5	5	33	34	12	40
31. YELLOWTAIL ROCKFISH	2	2	116	85	47	56	109	40	37	112	36	40	36	31	88	343	78	23
33. ROCKFISHES, OTHER	2	1	54	13	5	35	13	4	31	43	6	15	54	17	31	125	19	15
34. KELP GREENLING	4	4	103	18	6	35	13	2	59	1	1	39	1	1	62	29	8	28
35. LINGCOD	7	7	71	22	12	54	4	5	40	25	9	36	6	4	75	17	17	28
36. GREENLINGS, OTHER	1	1	59	5	2	44	*	*	*	0	0	0	0	0	100	7	2	36
37. SABLEFISH	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
38. CABEZON	2	1	68	20	7	37	3	2	53	3	1	34	8	5	64	36	9	28
39. PAC. STAGHORN SCULPIN	0	0	100	0	0	100	2	1	64	0	0	60	0	0	100	3	1	50
40. SCULPINS, OTHER	0	0	75	1	1	82	*	*	*	2	2	41	*	*	*	1	1	80
43. KELP BASS	*	*	*	*	*	*	*	*	*	*	1	1	*	*	*	2	1	41
44. STRIPED BASS	*	*	*	*	*	*	102	20	19	22	1	53	*	*	*	104	20	19
45. WHITE CROAKER	*	*	*	*	*	*	130	70	54	29	9	31	50	50	99	210	87	41
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
52. HALIBUT	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
53. BARRAGE PERCH	*	*	*	0	0	71	29	11	40	53	18	100	33	28	186	144	31	31
54. BLACK PERCH	*	*	*	1	1	90	55	24	44	4	2	46	2	3	138	62	28	99
55. PILE PERCH	0	0	56	1	1	80	79	27	35	1	0	52	1	1	96	81	27	34
56. REDTAIL SURFPERCH	8	7	89	30	16	52	20	9	86	0	0	100	*	*	*	49	19	40
57. RUBBERLIP SEAPERCH	0	0	100	*	*	*	10	8	41	0	0	49	1	1	127	21	8	39
58. SHINER PERCH	0	0	101	2	2	72	45	14	31	4	3	66	6	5	99	38	16	27
59. SILVER SURFPERCH	1	0	75	1	1	70	26	10	39	6	2	42	3	2	56	36	11	29
60. STRIPED SEAPERCH	3	4	134	21	6	30	18	8	42	1	1	36	0	0	261	44	11	25
61. WALLEYE SURFPERCH	1	1	61	0	0	75	85	26	31	28	9	51	8	5	57	122	28	23
62. WHITE SEAPERCH	0	0	53	1	1	61	16	8	48	11	4	13	0	0	93	29	8	29
63. SURFPERCHES, OTHER	0	0	123	5	2	45	35	14	38	2	1	13	18	25	141	61	29	47
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	0	0	74
66. PACIFIC BONITO	1	2	146	0	0	100	8	3	39	19	8	44	34	40	117	62	41	66
67. PACIFIC MACKEREL	*	*	*	11	7	61	126	93	74	45	16	37	64	41	64	246	103	42
68. TUNAS	*	*	*	*	*	*	0	0	100	0	0	100	*	*	*	0	0	100
69. STARRY FLOUNDER	0	0	100	0	0	100	74	15	20	4	1	31	1	0	99	79	15	19
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	21	6	31	0	0	70	0	0	71	22	6	30
71. PACIFIC SANDDAB	1	1	100	1	1	148	275	128	46	25	15	60	2	2	99	304	129	42
72. ROCK SOLE	*	*	*	0	0	80	*	*	*	0	0	73	0	0	78	0	0	45
73. FLATFISHES, OTHER	2	2	97	6	3	57	31	15	49	4	1	1	*	*	*	42	16	37
74. SALMONIDS	4	5	127	10	4	45	21	7	34	0	0	100	6	7	115	46	12	29
75. OTHER FISH	1	1	114	7	5	77	63	22	35	6	2	43	3	1	43	80	23	29
TOTAL	191	139	73	1,331	412	31	2,144	234	11	1,075	102	9	1,044	265	25	5,785	570	10

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	SAN FRANCISCO OCEAN	SAN FRANCISCO BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	*	*	3	19	1	*	23
02. SPINY DOGFISH	*	*	*	*	*	3	3
03. SHARK, OTHER	0	*	12	129	2	*	144
04. STURGEONS	*	*	1	148	*	*	148
05. NORTHERN ANCHOVY	0	*	5	1	*	*	6
08. SMELTS, OTHER	*	*	*	*	1	*	1
10. PACIFIC TOMCOD	*	*	*	2	1	*	2
13. SILVERSIDES	*	*	*	0	*	*	0
14. JACKSMELT	0	1	9	19	4	7	40
15. BLACK ROCKFISH	4	*	*	*	*	*	4
16. BLUE ROCKFISH	0	0	5	*	16	7	27
17. BROWN ROCKFISH	*	*	0	24	1	*	25
18. BOCCACCIO	*	*	1	*	*	*	1
19. CANARY ROCKFISH	0	*	*	*	*	*	0
21. COPPER ROCKFISH	0	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	1	2	3
25. OLIVE ROCKFISH	*	*	*	*	0	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	1
33. ROCKFISHES, OTHER	0	3	12	53	98	7	173
34. KELP GREENLING	3	0	*	*	0	0	4
35. LINGOOD	0	1	10	6	3	5	25
36. GREENLINGS, OTHER	0	1	*	1	*	*	2
38. CABEZON	1	1	0	3	0	0	6
39. PAC. STAGHORN SCULPIN	1	0	67	1,137	7	2	1,214
40. SCULPINS, OTHER	0	0	*	*	0	0	1
43. KELP BASS	*	*	*	*	*	2	2
44. STRIPED BASS	*	*	6	126	0	*	132
48. WHITE CRONKER	*	*	10	18	20	38	86
49. QUEENFISH	*	*	*	*	*	1	1
53. BARRED SURFFERCH	*	*	2	*	2	11	14
54. BLACK PERCH	*	*	*	3	*	0	4
56. REDTAIL SURFFERCH	1	0	4	*	*	*	5
57. RUBBERLIP SEAPERCH	*	*	*	3	*	*	3
58. SHINER PERCH	0	1	1	59	6	3	70
59. SILVER SURFFERCH	0	*	1	0	*	0	1
60. STRIPED SEAPERCH	1	0	*	*	*	*	1
61. WALLEYE SURFFERCH	1	*	*	20	*	0	20
62. WHITE SEAPERCH	0	*	*	*	*	*	0
63. SURFFERCHES, OTHER	0	19	12	101	28	8	167
65. PACIFIC BARRACUDA	*	*	*	*	0	0	0
66. PACIFIC BONITO	*	*	0	5	2	0	8
67. PACIFIC HACKEREL	*	9	40	*	41	37	127
69. STARRY FLOUNDER	0	0	1	17	0	0	19
70. CALIFORNIA HALIBUT	*	*	1	1	0	1	2
71. PACIFIC SANDDAB	*	0	*	1	1	*	2
73. FLATFISHES, OTHER	0	0	0	13	1	*	15
74. SALMONIDS	6	10	3	10	0	0	29
75. OTHER FISH	1	1	33	164	17	3	219
TOTAL	20	47	238	2,084	253	138	2,780

TABLE 27. ESTIMATED THOUSANDS OF FISH (CATCH TYPE B4) CAUGHT BY COASTAL COUNTY DISTRICT AND MODE, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	PIER & DOCK BREAKWATER	JETTY & BEACH	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LIME	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	2	6	0	2	10	*	*	0	20
MENDOCINO/SONOMA (NON-BOAT MODES)	15	14	*	16	*	*	*	0	44
MENDOCINO (BOAT MODES)	*	*	*	*	3	0	*	*	3
SONOMA (BOAT MODES)	*	*	*	*	0	0	*	*	0
SAN FRANCISCO	751	34	48	347	971	169	*	2	2,322
SANTA CRUZ/MONTEREY	38	2	*	21	88	105	*	0	254
SAN LUIS OBISPO	44	*	*	31	37	25	*	*	138
TOTAL	849	56	48	417	1,109	299	0	2	2,780

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE		P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	4	*	1	1	18	*	*	*	23
02. SPINY DOGFISH	0	*	*	*	*	3	*	*	3
03. SHARK, OTHER	17	0	2	3	112	10	*	*	144
04. STURGEONS	7	*	*	1	118	23	*	*	148
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	*	5	*	0	1	*	*	*	6
07. SURF SMELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	2	*	*	*	*	*	*	*	2
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	0	*	*	*	*	0
14. JACKSMELT	16	1	*	10	6	7	*	*	40
15. BLACK ROCKFISH	*	0	*	0	3	*	*	*	4
16. BLUE ROCKFISH	*	0	*	0	18	7	*	1	27
17. BROWN ROCKFISH	22	0	2	*	1	*	*	*	28
18. BOCACCIO	*	*	*	*	*	*	*	1	1
19. CANARY ROCKFISH	*	*	*	*	0	*	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	0	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	3	*	*	*	3
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	0	*	*	0
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	0	*	*	*	1	0	*	*	1
33. ROCKFISHES, OTHER	22	1	0	20	56	75	*	0	173
34. KELP GREENLING	*	3	*	1	0	*	*	*	4
35. LINGCOD	1	0	*	1	16	6	*	*	23
36. GREENLINGS, OTHER	1	0	*	1	*	*	*	*	2
37. SABLEFISH	*	*	*	*	*	*	*	*	*
38. CABEZON	*	1	*	3	1	*	*	0	6
39. PAC. STAGHORN SCULPIN	450	8	27	196	430	103	*	*	1,214
40. SCULPINS, OTHER	0	0	*	0	*	*	*	*	1
43. KELP BASS	18	*	*	2	*	*	*	*	2
44. STRIPED BASS	18	0	3	8	100	2	*	*	132
48. WHITE CROAKER	36	0	0	9	31	10	*	*	86
49. QUEENFISH	1	*	*	*	*	*	*	*	1
51. OPALEYE	*	*	*	*	*	*	*	*	*
52. HALIBUT	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	14	*	*	*	*	14
54. BLACK PERCH	0	*	*	0	3	*	*	*	4
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	0	*	5	*	*	*	*	5
57. RUBBERLIP SEAPERCH	*	*	*	3	*	*	*	*	3
58. SHINER PERCH	36	0	1	7	26	*	*	*	70
59. SILVER SURFPERCH	0	*	*	1	0	*	*	*	1
60. STRIPED SEAPERCH	0	1	*	0	*	*	*	*	1
61. WALLEYE SURFPERCH	0	0	*	0	20	*	*	*	20
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	73	6	8	68	12	*	*	*	167
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	8	*	*	*	8
67. PACIFIC MACKEREL	16	18	*	24	29	39	*	*	127
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	3	0	*	2	13	0	*	*	19
70. CALIFORNIA HALIBUT	0	*	*	*	2	*	*	*	2
71. PACIFIC SANDDAB	1	0	*	*	0	*	*	*	2
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	7	0	*	2	5	0	*	*	15
74. SALMONIDS	9	5	*	1	13	1	*	*	28
75. OTHER FISH	105	4	4	32	83	11	*	*	219
TOTAL	849	56	48	417	1,109	299	0	2	2,780

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	0	*	0	*	*	*	*	0
06. NORTHERN ANCHOVY	*	0	*	*	*	*	*	*	0
07. SURF SHELTER	*	*	*	*	*	*	*	*	*
14. JACKSMELT	0	*	*	0	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	0	3	*	*	*	4
16. BLUE ROCKFISH	*	0	*	*	*	*	*	*	0
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	0	*	*	*	0
21. COPPER ROCKFISH	*	*	*	*	0	*	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	0	*	0	0	*	*	*	0
34. KELP GREENLING	*	3	*	0	*	*	*	*	3
35. LINGCOD	*	0	*	0	0	*	*	*	0
36. GREENLINGS, OTHER	*	0	*	0	*	*	*	*	0
38. CABEZON	*	1	*	0	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	1	0	*	0	*	*	*	*	1
40. SCULPINS, OTHER	0	0	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	0	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	0	*	*	0	*	*	*	*	0
60. STRIPED SEAPERCH	0	1	*	0	*	*	*	*	1
61. WALLEYE SURFPERCH	0	0	*	0	*	*	*	*	0
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	1
63. SURFPERCHES, OTHER	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	0	*	*	*	*	0
74. SALMONIDS	0	0	*	0	5	*	*	*	6
75. OTHER FISH	*	0	*	0	1	*	*	*	1
TOTAL	2	6	0	2	10	0	0	0	20

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	*	*	*	*
14. JACKSMELT	0	1	*	*	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	0	*	*	*	0
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	0	*	1	*	*	*	1
34. KELP GREENLING	*	0	*	0	*	*	*	0
35. LINGCOD	*	*	*	1	*	*	*	1
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	1
38. CABEZON	*	0	*	1	*	*	0	1
39. PAC. STAGHORN SCULPIN	0	*	*	0	*	*	*	0
40. SCULPINS, OTHER	0	0	*	0	*	*	*	0
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	0
58. SHINER PERCH	1	0	*	0	*	*	*	1
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	0	*	*	*	0
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	5	1	*	12	*	*	*	19
67. PACIFIC MACKEREL	4	5	*	*	*	*	*	9
69. STARRY FLOUNDER	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	0
74. SALMONIDS	5	4	*	*	*	*	*	9
75. OTHER FISH	0	1	*	*	*	*	*	1
TOTAL	15	14	0	16	0	0	0	44

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	2	*	*	*	2
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGOOD	*	*	*	*	0	0	*	*	1
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	*	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	3	0	0	0	3

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	*	*	*	*	*
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGOOD	*	*	*	*	*	*	*	*	*
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	0	0	0	0	0

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	4	*	1	1	17	*	*	*	22
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	17	*	2	2	110	10	*	*	142
04. STURGEONS	7	*	*	1	118	23	*	*	148
05. NORTHERN ANCHOVY	*	5	*	0	1	*	*	*	6
10. PACIFIC TOMCOD	2	*	*	*	*	*	*	*	2
13. SILVERSIDES	*	*	*	0	*	*	*	*	0
14. JACKSMELT	7	1	*	9	4	7	*	*	28
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	1	2	*	1	5
17. BROWN ROCKFISH	22	0	2	*	*	*	*	*	24
18. BOCCACCIO	*	*	*	*	*	*	*	1	1
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	20	0	0	13	21	10	*	*	65
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	1	*	*	0	13	1	*	*	15
36. GREENLING, OTHER	1	*	*	*	*	*	*	*	1
38. CABEZON	*	0	*	2	1	*	*	*	3
39. PAC. STAGHORN SCULPIN	441	8	27	195	430	103	*	*	1,204
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	18	0	3	8	100	2	*	*	132
48. WHITE CRONKER	18	*	0	3	7	*	*	*	28
53. BARRED SURFPERCH	*	*	*	2	*	*	*	*	2
54. BLACK PERCH	0	*	*	*	3	*	*	*	3
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	*	*	3	*	*	*	*	3
58. SHINER PERCH	27	0	1	6	26	*	*	*	60
59. SILVER SURFPERCH	*	*	*	1	0	*	*	*	1
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	20	*	*	*	20
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	52	3	8	37	12	*	*	*	112
66. PACIFIC BONITO	*	*	*	*	6	*	*	*	6
67. PACIFIC MACKEREL	*	13	*	24	2	*	*	*	40
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	2	*	*	2	13	0	*	*	18
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	1	*	*	*	*	*	*	*	1
73. FLATFISHES, OTHER	6	*	*	2	5	*	*	*	13
74. SALMONIDS	4	*	*	1	7	1	*	*	13
75. OTHER FISH	101	3	4	29	53	8	*	*	197
TOTAL	751	34	48	347	971	169	0	2	2,322

TABLE 34. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	3	*	*	*	*	*	*	*	3
03. SHARK, OTHER	5	*	*	1	6	*	*	*	12
04. STURGEONS	*	*	*	1	*	*	*	*	1
06. NORTHERN ANCHOVY	*	5	*	*	*	*	*	*	5
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	2	*	*	*	*	7	*	*	9
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	1	2	*	1	5
17. BROWN ROCKFISH	*	0	*	*	*	*	*	*	0
18. BOCACCIO	*	*	*	*	*	*	*	1	1
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	1	1	10	*	*	12
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	0	*	*	0	8	1	*	*	10
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	0	*	*	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	27	0	15	8	10	6	*	*	67
44. STRIPED BASS	*	0	3	2	*	*	*	*	6
48. WHITE CRONKER	7	*	*	1	3	*	*	*	10
53. BARRED SURFPERCH	*	*	*	2	*	*	*	*	2
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. HALLYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	5	0	*	7	*	*	*	*	12
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	13	*	24	2	*	*	*	40
69. STARRY FLOUNDER	0	*	*	1	*	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	1	3	*	*	*	3
75. OTHER FISH	13	0	1	7	7	5	*	*	33
TOTAL	63	19	19	61	42	31	0	2	238

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	1	1	17	*	*	*	19
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	11	*	2	2	104	10	*	*	129
04. STURGEONS	7	*	*	*	118	23	*	*	148
06. NORTHERN ANCHovy	*	*	*	0	1	*	*	*	1
10. PACIFIC TONGOD	2	*	*	*	*	*	*	*	2
13. SILVERSIDES	*	*	*	0	*	*	*	*	0
14. JACKSMILT	6	1	*	9	4	*	*	*	19
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	22	*	2	*	*	*	*	*	24
21. COPPER ROCKFISH	*	*	0	*	*	*	*	*	*
33. ROCKFISHES, OTHER	20	0	0	12	20	*	*	*	53
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	0	*	*	*	5	*	*	*	6
36. GREENLINGS, OTHER	1	*	*	*	*	*	*	*	1
38. CABEZON	*	*	*	2	1	*	*	*	3
39. PAC. STAGHORN SCULPIN	44	8	11	187	419	97	*	*	1,137
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	18	*	*	6	100	2	*	*	126
48. WHITE CRONKER	11	*	0	2	5	*	*	*	18
53. BARRED SURPPERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	0	*	*	*	3	*	*	*	3
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURPPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	3	*	*	*	*	3
58. SHINER PERCH	27	0	1	6	26	*	*	*	59
59. SILVER SURPPERCH	*	*	*	*	0	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURPPERCH	*	*	*	*	20	*	*	*	20
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURPPERCHES, OTHER	47	3	8	30	12	*	*	*	101
66. PACIFIC BONITO	*	*	*	*	5	*	*	*	5
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	2	*	*	1	13	0	*	*	17
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	1	*	*	*	*	*	*	*	1
73. FLATFISHES, OTHER	6	*	*	2	4	*	*	*	13
74. SALMONIDS	4	*	*	*	5	1	*	*	10
75. OTHER FISH	88	3	3	21	46	4	*	*	164
TOTAL	688	15	29	286	929	137	0	0	2,084

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	0	*	*	*	1
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
05. SHARK, OTHER	*	0	*	0	2	*	*	*	2
08. SHELTS, OTHER	1	*	*	*	*	*	*	*	1
10. PACIFIC TOMCOD	1	*	*	*	*	*	*	*	1
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	4	*	*	*	0	*	*	*	4
16. BLUE ROCKFISH	*	*	*	*	11	5	*	*	16
17. BROWN ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	1	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	0	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	*	*	*	0
33. ROCKFISHES, OTHER	1	*	*	*	30	65	*	0	98
34. KELP GREENLING	*	*	*	0	0	*	*	*	0
35. LINGCOD	0	*	*	0	1	2	*	*	3
37. SABLEFISH	*	*	*	*	*	*	*	*	*
38. CABEZON	*	0	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	7	0	*	1	*	*	*	*	7
40. SCULPINS, OTHER	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CRONKER	2	0	*	2	15	*	*	*	20
52. HALBMOON	*	*	*	*	*	*	*	*	*
53. BARRIED SURFFERCH	0	*	*	1	*	*	*	*	2
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFFERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SMINER PERCH	6	*	*	*	*	*	*	*	6
59. SILVER SURFFERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. HALLYE SURFFERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFFERCHES, OTHER	12	2	*	14	0	*	*	*	28
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	2	*	*	*	2
67. PACIFIC HACKEREL	1	*	*	*	11	29	*	*	41
69. STARRY FLOUNDER	0	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	0	*	*	*	0	*	*	*	1
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	0	*	*	0	0	*	*	1
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	2	0	*	2	10	3	*	*	17
TOTAL	38	2	0	21	88	105	0	0	253

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	0	*	*	*	*	3	*	3
03. SHARK, OTHER	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	*	*	*	*
14. JACKSMELT	5	*	*	1	1	*	*	7
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	7	*	*	7
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	2	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	0	*	*	*	0	0	*	0
33. ROCKFISHES, OTHER	0	*	*	6	2	*	*	7
34. KELP GREENLING	*	*	*	0	*	*	*	0
35. LINGCOD	0	*	*	*	2	3	*	5
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	2	*	*	*	*	*	*	2
40. SOULPINS, OTHER	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	2	*	*	*	2
48. WHITE CROMKER	15	*	*	5	8	10	*	38
49. QUEENFISH	1	*	*	*	*	*	*	1
51. OPALEYE	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	*	*	*	11	*	*	*	11
54. BLACK PERCH	*	*	*	0	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*
58. SHINER PERCH	2	*	*	1	*	*	*	3
59. SILVER SURFPERCH	*	*	*	0	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	4	*	*	4	*	*	*	8
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	11	*	*	*	15	10	*	37
68. TUNAS	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	0	*	*	*	1	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	0	*	*	0
75. OTHER FISH	2	*	*	1	0	*	*	3
TOTAL	44	0	0	31	37	25	0	138

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

WAVE	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	3	0	1	4
	MENDOCINO/SONOMA	33	5	2	40
	S. F. OCEAN	11	1	7	18
	S. F. BAY	396	87	510	993
	SANTA CRUZ/MONTEREY	118	9	51	179
	SAN LUIS OBISPO	47	3	4	54
	TOTAL	607	106	575	1,288
MAR/APR	DEL NORTE/HUMBOLDT	22	1	5	28
	MENDOCINO/SONOMA	25	0	5	31
	S. F. OCEAN	57	21	24	102
	S. F. BAY	246	176	207	629
	SANTA CRUZ/MONTEREY	77	3	22	102
	SAN LUIS OBISPO	56	35	10	101
	TOTAL	484	236	273	993
MAY/JUN	DEL NORTE/HUMBOLDT	3	1	2	6
	MENDOCINO/SONOMA	446	12	19	477
	S. F. OCEAN	98	24	47	169
	S. F. BAY	270	97	570	937
	SANTA CRUZ/MONTEREY	173	12	40	225
	SAN LUIS OBISPO	140	62	16	218
	TOTAL	1,131	208	694	2,032
JUL/AUG	DEL NORTE/HUMBOLDT	136	1	4	141
	MENDOCINO/SONOMA	581	1	1	583
	S. F. OCEAN	264	95	62	421
	S. F. BAY	147	58	308	512
	SANTA CRUZ/MONTEREY	356	204	78	639
	SAN LUIS OBISPO	447	232	74	753
	TOTAL	1,931	592	526	3,049
SEP/OCT	DEL NORTE/HUMBOLDT	14	0	8	22
	MENDOCINO/SONOMA	228	87	20	335
	S. F. OCEAN	283	32	69	384
	S. F. BAY	144	108	343	595
	SANTA CRUZ/MONTEREY	193	77	29	299
	SAN LUIS OBISPO	327	50	26	404
	TOTAL	1,189	355	496	2,039
NOV/DEC	DEL NORTE/HUMBOLDT	13	0	0	14
	MENDOCINO/SONOMA	17	23	0	39
	S. F. OCEAN	72	262	29	363
	S. F. BAY	156	58	147	361
	SANTA CRUZ/MONTEREY	159	36	33	227
	SAN LUIS OBISPO	26	5	8	39
	TOTAL	444	384	217	1,044
GRAND TOTAL		5,785	1,879	2,780	10,445

TABLE 39. ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING BY COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	21	1	6	27
STD ERR	25	2	18	51
MENDOCINO/SONOMA (NON-BOAT MODES)	41	9	3	54
STD ERR	53	12	4	69
MENDOCINO (BOAT MODES)	12	3	1	17
STD ERR	14	3	2	19
SONOMA (BOAT MODES)	*	*	*	*
STD ERR	*	*	*	*
SAN FRANCISCO	473	24	24	521
STD ERR	642	23	25	690
SANTA CRUZ/MONTEREY	81	4	17	102
STD ERR	103	3	15	121
SAN LUIS OBISPO	42	55	56	153
STD ERR	47	55	57	159
TOTAL	669	98		767
STD ERR	854	61		915

TABLE 40. ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	74	11	6	91
STD ERR	28	20	18	66
MENDOCINO/SONOMA (NON-BOAT MODES)	163	33	11	207
STD ERR	30	21	14	65
MENDOCINO (BOAT MODES)	38	24	3	65
STD ERR	18	20	7	45
SONOMA (BOAT MODES)	34	4	2	40
STD ERR	0	2	2	4
SAN FRANCISCO	2,112	44	67	2,223
STD ERR	232	29	47	298
SANTA CRUZ/MONTEREY	283	27	21	331
STD ERR	46	21	17	84
SAN LUIS OBISPO	114	115	121	350
STD ERR	53	106	132	291
TOTAL	2,818	258	231	3,307
STD ERR	246	117	143	506

TABLE 41. ESTIMATED THOUSANDS OF FISHING TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1983---DEC 1983.

COASTAL COUNTY DISTRICT	MODE	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	4	*	0	4
	STD ERR	2		0	2
	JETTY & BREAKWATER	12	1	1	14
	STD ERR	13	6	4	15
	BRIDGE & CAUSEWAY	1	*	0	1
	STD ERR	3	2	0	3
	B/B - H & L	17	4	2	22
	STD ERR	14	10	7	19
	P/R BOAT	41	6	4	50
	STD ERR	20	16	15	30
	CPFV	0	*	0	0
STD ERR	0	*	0	0	
SPEAR	0	*	0	0	
STD ERR	0	*	0	0	
TOTAL		74	11	6	91
STD ERR		28	20	18	38
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	15	0	0	15
	STD ERR	7	1	0	7
	JETTY & BREAKWATER	69	16	5	90
	STD ERR	11	10	8	17
	B/B - H & L	71	15	6	92
	STD ERR	27	19	12	35
	SPEAR	8	1	0	10
STD ERR	4	2	0	5	
TOTAL		163	33	11	207
STD ERR		30	21	14	39
MENDOCINO (BOAT MODES)	P/R BOAT	28	13	1	43
	STD ERR	17	17	4	24
	CPFV	10	11	1	22
	STD ERR	5	10	5	12
TOTAL		38	24	3	64
STD ERR		18	20	7	27
SONOMA (BOAT MODES)	P/R BOAT	29	3	2	34
	STD ERR	0	1	2	2
	CPFV	5	1	0	7
	STD ERR	0	1	*	1
TOTAL		34	4	2	41
STD ERR		0	2	2	2
SAN FRANCISCO	PIER & DOCK	728	1	17	746
	STD ERR	194	2	36	198
	JETTY & BREAKWATER	38	2	2	42
	STD ERR	12	4	3	13
	BRIDGE & CAUSEWAY	37	2	2	41
	STD ERR	12	5	4	14
	B/B - H & L	538	1	12	551
	STD ERR	91	5	17	92
	P/R BOAT	555	16	7	578
	STD ERR	79	21	12	83
	CPFV	216	22	27	265
	STD ERR	33	18	22	44
	SPEAR	1	*	0	1
	STD ERR	1	*	0	1
TOTAL		2,112	44	67	2,223
STD ERR		232	29	47	238

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	70	8	5	85
	STD ERR	17	9	7	20
	JETTY & BREAKWATER	17	1	1	19
	STD ERR	16	7	5	18
	B/B - H & L	43	1	1	45
	STD ERR	17	4	3	17
	P/R BOAT	108	5	3	115
	STD ERR	33	11	8	36
	CPFV	40	13	11	64
	STD ERR	13	13	12	22
SPEAR	5	*	0	2	
STD ERR	2	*	0	2	
TOTAL	283	27	21	331	
STD ERR	46	21	17	53	
SAN LUIS OBISPO	PIER & DOCK	30	26	27	83
	STD ERR	21	34	43	58
	JETTY & BREAKWATER	0	*	0	0
	STD ERR	1	*	0	1
	B/B - H & L	35	33	20	88
	STD ERR	36	25	64	106
	P/R BOAT	38	23	38	100
	STD ERR	30	40	59	78
	CPFV	11	33	37	104
	STD ERR	11	33	39	104
TOTAL	114	115	121	350	
STD ERR	53	105	132	177	
GRAND TOTAL	2,818	258	231	3,307	
STD ERR	246	117	143	308	

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED BY COASTAL COUNTY DISTRICT AND MODE, JAN 1983--DEC 1983.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.8	2.5	1.502
	MENDOCINO/SONOMA	3.3	2.5	2.111
	SAN FRANCISCO	3.6	3.0	2.490
	SANTA CRUZ/MONTEREY	3.3	3.0	1.751
	SAN LUIS OBISPO	2.8	2.5	1.806
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	3.0	3.0	1.758
	MENDOCINO/SONOMA	3.0	3.0	1.563
	SAN FRANCISCO	3.2	3.0	1.797
	SANTA CRUZ/MONTEREY	3.2	3.0	1.838
	SAN LUIS OBISPO	2.5	2.5	*
BRIDGE & CAUSEWAY	DEL NORTE/HUMBOLDT	2.8	3.5	1.209
	SAN FRANCISCO	2.9	2.8	1.780
	SAN LUIS OBISPO	3.0	3.8	1.683
B/B - H & L	DEL NORTE/HUMBOLDT	2.9	3.0	1.591
	MENDOCINO/SONOMA	2.5	2.0	1.643
	SAN FRANCISCO	3.2	3.0	2.347
	SANTA CRUZ/MONTEREY	3.0	3.0	1.506
	SAN LUIS OBISPO	2.5	2.0	1.473
P/R BOAT	DEL NORTE/HUMBOLDT	4.6	4.5	1.740
	MENDOCINO (BOAT MODES)	4.4	4.0	1.542
	SONOMA (BOAT MODES)	4.1	4.0	2.214
	SAN FRANCISCO	5.2	5.0	2.285
	SANTA CRUZ/MONTEREY	4.7	5.0	1.833
	SAN LUIS OBISPO	4.4	4.0	1.667
CPFV	DEL NORTE/HUMBOLDT	5.5	5.5	0.000
	MENDOCINO (BOAT MODES)	4.2	4.0	0.768
	SONOMA (BOAT MODES)	3.9	4.0	1.201
	SAN FRANCISCO	5.8	6.0	1.613
	SANTA CRUZ/MONTEREY	3.8	4.0	1.233
	SAN LUIS OBISPO	3.7	4.0	1.241
SPEAR	DEL NORTE/HUMBOLDT	1.8	1.8	0.264
	MENDOCINO/SONOMA	1.2	1.0	0.682
	SAN FRANCISCO	3.5	3.5	0.707
	SANTA CRUZ/MONTEREY	0.8	0.8	0.257

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1983---DEC 1983.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	1272	56.89	75. OTHER FISH	1233	35.00
56. REDTAIL SURFFERCH	248	11.09	44. STRIPED BASS	819	23.25
35. LINGCOD	193	8.63	04. STURGEONS	477	13.54
74. SALMONIDS	176	7.87	63. SURFFERCHES, OTHER	411	11.67
63. SURFFERCHES, OTHER	132	5.90	74. SALMONIDS	103	2.92
05. SHARK, OTHER	53	2.33	33. ROCKFISHES, OTHER	102	2.90
33. ROCKFISHES, OTHER	46	2.06	70. CALIFORNIA HALIBUT	71	2.02
07. SURF SMELT	28	1.25	03. SHARK, OTHER	61	1.73
15. BLACK ROCKFISH	26	1.16	14. JACKSMELT	59	1.67
36. GREENLINGS, OTHER	23	1.03	48. WHITE CROAKER	59	1.67
38. CABEZON	23	1.03	73. FLATFISHES, OTHER	44	1.25
60. STRIPED SEAPERCH	11	0.49	35. LINGCOD	15	0.43
14. JACKSMELT	3	0.13	58. SHINER PERCH	10	0.28
69. STARRY FLOUNDER	2	0.09	01. LEOPARD SHARK	8	0.23
55. PILE PERCH	1	0.04	71. PACIFIC SANDDAB	8	0.23

MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	757	56.20	75. OTHER FISH	1787	74.52
63. SURFFERCHES, OTHER	158	11.73	63. SURFFERCHES, OTHER	218	9.09
74. SALMONIDS	144	10.69	33. ROCKFISHES, OTHER	112	4.67
05. PACIFIC HERRING	70	5.20	03. SHARK, OTHER	81	3.38
35. LINGCOD	53	3.98	66. PACIFIC BONITO	35	1.44
07. SURF SMELT	46	3.41	35. LINGCOD	34	1.42
38. CABEZON	39	2.90	73. FLATFISHES, OTHER	34	1.42
33. ROCKFISHES, OTHER	28	2.08	44. STRIPED BASS	30	1.25
14. JACKSMELT	17	1.26	67. PACIFIC MACKEREL	18	0.75
56. REDTAIL SURFFERCH	11	0.82	48. WHITE CROAKER	9	0.38
08. SMELTS, OTHER	9	0.67	14. JACKSMELT	8	0.33
73. FLATFISHES, OTHER	6	0.45	68. TUNAS	5	0.21
03. SHARK, OTHER	3	0.22	74. SALMONIDS	5	0.21
36. GREENLINGS, OTHER	2	0.15	16. BLUE ROCKFISH	4	0.17
34. KELP GREENLING	1	0.07	38. CABEZON	4	0.17

MENDOCINO (BOAT MODES)			SAN LUIS OBISPO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	169	77.17	75. OTHER FISH	829	54.33
74. SALMONIDS	34	15.53	33. ROCKFISHES, OTHER	273	17.89
35. LINGCOD	15	6.85	63. SURFFERCHES, OTHER	160	10.48
71. PACIFIC SANDDAB	1	0.46	74. SALMONIDS	101	6.62

SONOMA (BOAT MODES)		
SOUGHT	COUNT	PERCENT
75. OTHER FISH	75	64.10
33. ROCKFISHES, OTHER	23	19.66
35. LINGCOD	17	14.53
03. SHARK, OTHER	1	0.85
73. FLATFISHES, OTHER	1	0.85

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1983--DEC 1983. THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	113 73.86	5 3.27	3 1.96	10 6.54	8 5.23	8 5.23	2 1.31	2 1.31	0 0.00	2 1.31	153
MENDOCINO/SONOMA	50 32.05	9 5.77	15 9.62	8 5.13	20 12.82	29 18.59	11 7.05	4 2.56	1 0.64	9 5.77	156
SAN FRANCISCO	524 50.97	111 10.80	99 9.63	56 5.45	83 8.07	80 7.78	36 3.50	16 1.56	11 1.07	12 1.17	1028
SANTA CRUZ/ MONTEREY	278 52.95	76 14.48	34 6.48	34 6.48	46 8.76	36 6.86	13 2.48	6 1.14	1 0.19	1 0.19	525
SAN LUIS OBISPO	331 51.00	61 9.40	65 10.02	53 8.17	49 7.55	58 8.94	22 3.39	5 0.77	1 0.15	4 0.62	649
TOTAL	1296	262	216	161	206	211	84	33	14	28	2511

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	410 67.99	47 7.79	61 10.12	27 4.48	27 4.48	25 4.15	4 0.66	0 0.00	1 0.17	1 0.17	603
MENDOCINO/SONOMA	298 81.20	37 10.08	13 3.54	8 2.18	8 2.18	2 0.54	1 0.27	0 0.00	0 0.00	0 0.00	367
SAN FRANCISCO	112 58.33	23 11.98	15 7.81	9 4.69	13 6.77	11 5.73	3 1.56	4 2.08	1 0.52	1 0.52	192
SANTA CRUZ/ MONTEREY	137 64.02	37 17.29	12 5.61	14 6.54	8 3.74	1 0.47	5 2.34	0 0.00	0 0.00	0 0.00	214
SAN LUIS OBISPO	1 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
TOTAL	958	144	101	58	56	39	13	4	2	2	1377

BRIDGE & CAUSEWAY									
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	TOTAL	
DEL NORTE/ HUMBOLDT	16 80.00	3 15.00	1 5.00	0 0.00	0 0.00	0 0.00	0 0.00	20	
SAN FRANCISCO	49 50.00	18 18.37	8 8.16	8 8.16	7 7.14	6 6.12	2 2.04	98	
SAN LUIS OBISPO	2 50.00	0 0.00	0 0.00	0 0.00	0 0.00	2 50.00	0 0.00	4	
TOTAL	67	21	9	8	7	8	2	122	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	554 71.39	69 8.89	43 5.54	22 2.84	35 4.51	29 3.74	6 0.77	1 0.13	1 0.13	16 2.06	776
MENDOCINO/SONOMA	422 59.60	96 13.56	78 11.02	26 3.39	26 3.39	27 3.81	3 0.42	2 0.28	2 0.28	30 4.24	708
SAN FRANCISCO	481 59.83	111 13.81	73 9.08	42 5.22	42 5.22	41 5.10	9 1.12	0 0.00	2 0.25	3 0.37	804
SANTA CRUZ/ MONTEREY	285 46.80	69 11.33	83 13.63	40 6.57	72 11.82	52 8.54	6 0.99	2 0.33	0 0.00	0 0.00	609
SAN LUIS OBISPO	109 49.77	37 16.89	16 7.31	16 7.31	25 11.42	13 5.94	2 0.91	1 0.46	0 0.00	0 0.00	219
TOTAL	1851	382	293	144	198	162	26	6	5	49	3116

(CONTINUED)

TABLE 44. (CONTINUED)

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	499 76.53	18 2.76	17 2.61	18 2.76	24 3.68	46 7.06	19 2.91	9 1.38	2 0.31	0 0.00	652
MENDOCINO (BOAT MODES)	39 24.07	12 7.41	18 11.11	11 6.79	21 12.96	27 16.67	24 14.81	8 4.94	2 1.23	0 0.00	162
SONOMA (BOAT MODES)	70 70.71	1 1.01	2 2.02	2 2.02	6 6.06	8 8.08	5 5.05	3 3.03	2 2.02	0 0.00	99
SAN FRANCISCO	490 45.29	135 12.48	105 9.70	68 6.28	103 9.52	118 10.91	33 3.05	11 1.02	5 0.46	14 1.29	1082
SANTA CRUZ/ MONTEREY	248 35.13	53 7.51	48 6.80	32 4.53	59 8.36	142 20.11	68 9.63	36 5.10	10 1.42	10 1.42	706
SAN LUIS OBISPO	107 20.58	50 9.62	51 9.81	23 4.42	45 8.65	121 23.27	75 14.42	35 6.73	11 2.12	2 0.38	520
TOTAL	1453	269	241	154	258	462	224	102	32	26	3221

CPV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	16 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	16
MENDOCINO (BOAT MODES)	0 0.00	1 1.75	0 0.00	4 7.02	4 7.02	17 29.82	14 24.56	14 24.56	3 5.26	0 0.00	57
SONOMA (BOAT MODES)	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	8 42.11	9 47.37	2 10.53	0 0.00	0 0.00	19
SAN FRANCISCO	196 62.22	33 10.48	17 5.40	8 2.54	7 2.22	17 5.40	28 8.89	8 2.54	0 0.00	1 0.32	315
SANTA CRUZ/ MONTEREY	1 0.30	1 0.30	3 0.89	6 1.78	32 9.50	74 21.96	116 34.42	60 17.80	29 8.61	15 4.45	337
SAN LUIS OBISPO	9 6.12	5 3.40	11 7.48	3 2.04	3 2.04	16 10.88	72 48.98	14 9.52	7 4.76	7 4.76	147
TOTAL	222	40	31	21	46	132	239	98	39	23	891

SPEAR										
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	TOTAL	
DEL NORTE/ HUMBOLDT	1 9.09	0 0.00	7 63.64	1 9.09	2 18.18	0 0.00	0 0.00	0 0.00	11	
MENDOCINO/SONOMA	40 34.78	12 10.43	20 17.39	17 14.78	10 8.70	14 12.17	1 0.87	1 0.87	115	
SAN FRANCISCO	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 50.00	1 50.00	0 0.00	2	
SANTA CRUZ/ MONTEREY	4 20.00	1 5.00	3 15.00	1 5.00	9 45.00	2 10.00	0 0.00	0 0.00	20	
TOTAL	45	13	30	19	21	17	2	1	148	

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	1.8
	JETTY & BREAKWATER	1.1
	BRIDGE & CAUSEWAY	0.3
	B/B - H & L	3.5
	P/R BOAT	1.5
	CPFV	0.0
	SPEAR	2.2
MENDOCINO/SONOMA	PIER & DOCK	6.0
	JETTY & BREAKWATER	0.4
	B/B - H & L	8.3
	SPEAR	2.5
MENDOCINO (BOAT MODES)	P/R BOAT	5.5
	CPFV	11.6
SONOMA (BOAT MODES)	P/R BOAT	2.7
	CPFV	11.9
SAN FRANCISCO	PIER & DOCK	2.7
	JETTY & BREAKWATER	2.1
	BRIDGE & CAUSEWAY	1.5
	B/B - H & L	1.4
	P/R BOAT	2.9
	CPFV	2.6
	SPEAR	10.0
SANTA CRUZ/MONTEREY	PIER & DOCK	1.9
	JETTY & BREAKWATER	0.9
	B/B - H & L	1.9
	P/R BOAT	5.1
	CPFV	13.3
	SPEAR	3.1
SAN LUIS OBISPO	PIER & DOCK	2.3
	JETTY & BREAKWATER	0.0
	BRIDGE & CAUSEWAY	4.8
	B/B - H & L	1.7
	P/R BOAT	6.3
	CPFV	12.8

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1983--DEC 1983.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
				NUMBER
	PERCENT			
DEL NORTE/HUMBOLDT	79.5	16.6	3.9	2236
MENDOCINO/SONOMA (NON-BOAT MODES)	79.3	18.0	2.7	1347
MENDOCINO (BOAT MODES)	60.3	38.8	0.9	219
SONOMA (BOAT MODES)	85.5	12.0	2.6	117
SAN FRANCISCO	95.3	2.6	2.1	3523
SANTA CRUZ/MONTEREY	88.9	7.7	3.4	2398
SAN LUIS OBISPO	39.5	58.7	1.8	1526
TOTAL NUMBER	9170	1884	312	11366

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B5) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	1	*	*	*	*	1
3 SHARK, OTHER	*	*	1	*	*	*	1
6 NORTHERN ANCHOVY	*	*	*	*	*	*	*
7 SURF SHEL	*	0	3	*	*	*	3
14 JACKSHELT	0	*	0	*	*	*	0
15 BLACK ROCKFISH	*	0	1	18	*	*	19
16 BLUE ROCKFISH	*	0	*	10	*	*	10
17 BROWN ROCKFISH	*	0	*	0	*	*	0
19 CANARY ROCKFISH	*	*	*	7	*	*	7
21 COPPER ROCKFISH	*	0	*	8	*	*	8
26 GULLBACK ROCKFISH	*	*	*	1	*	*	1
27 ROSY ROCKFISH	*	*	*	0	*	*	0
29 VERMILION ROCKFISH	*	*	*	4	*	*	4
31 YELLOWTAIL ROCKFISH	*	*	*	2	*	*	2
33 ROCKFISHES, OTHER	*	0	1	5	*	*	6
34 KELP GREENLING	0	1	0	1	*	*	2
35 LINGCOD	*	1	2	30	*	*	33
36 GREENLINGS, OTHER	*	0	0	*	*	*	1
38 CABEZON	*	1	1	3	*	*	4
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	*	0
40 SCULPINS, OTHER	0	0	0	*	*	*	0
55 PILE PERCH	0	0	*	*	*	*	1
56 REDTAIL SURPPERCH	0	0	3	*	*	*	4
57 RUBBERLIP SEAPERCH	0	*	*	*	*	*	0
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURPPERCH	0	0	0	*	*	*	0
60 STRIPED SEAPERCH	0	1	0	*	*	*	2
61 WALLEYE SURPPERCH	0	0	0	*	*	*	0
62 WHITE SEAPERCH	0	*	0	*	*	*	0
63 SURPPERCHES, OTHER	*	*	0	*	*	*	0
66 PACIFIC BONITO	*	*	2	4	*	*	6
69 STARRY FLOUNDER	*	1	*	*	*	*	1
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	1	1	1	8	*	*	11
75 OTHER FISH	16	0	2	8	*	*	27
TOTAL	19	9	18	110	0	0	157

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	0	*	*	*	0
3 SHARK, OTHER	*	*	0	*	*	*	0
5 PACIFIC HERRING	2	*	*	*	*	*	0
7 SURF SMELT	0	*	*	*	*	*	0
8 SURF SMELT	0	*	*	*	*	*	0
10 PACIFIC TOMCOD	*	0	*	*	*	*	0
13 SILVERSIDES	*	*	0	*	*	*	0
14 JACKSMELT	5	0	0	*	*	*	0
15 BLACK ROCKFISH	1	*	1	*	*	1	0
16 BLUE ROCKFISH	0	*	3	*	*	7	0
17 BROWN ROCKFISH	2	0	0	*	*	*	2
19 CANARY ROCKFISH	0	*	*	*	*	*	0
22 GOPHER ROCKFISH	*	*	*	*	*	0	0
29 VERMILION ROCKFISH	1	*	*	*	*	*	1
33 ROCKFISHES, OTHER	1	0	1	*	*	1	3
34 KELP GREENLING	*	0	6	*	*	3	9
35 LINGCOD	*	2	1	*	*	*	0
36 GREENLINGS, OTHER	*	1	1	*	*	0	0
38 CABEZON	*	1	12	*	*	4	17
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	0	0
40 SCULPINS, OTHER	*	0	0	*	*	*	0
53 BARRED SURFPERCH	*	*	0	*	*	*	0
54 BLACK PERCH	*	*	0	*	*	*	0
55 PILE PERCH	*	*	0	*	*	1	1
56 REDTAIL SURFPERCH	*	0	11	*	*	*	12
58 SHINER PERCH	0	0	*	*	*	*	0
59 SILVER SURFPERCH	0	0	0	*	*	*	0
60 STRIPED SEAPERCH	0	2	4	*	*	3	9
61 WALLEYE SURFPERCH	0	*	*	*	*	*	0
62 WHITE SEAPERCH	*	0	0	*	*	*	0
63 SURFPERCHES, OTHER	0	1	1	*	*	0	2
67 PACIFIC MACKEREL	*	0	*	*	*	*	0
69 STARRY FLOUNDER	*	*	1	*	*	*	1
71 PACIFIC SANDDAB	*	*	*	*	*	*	*
73 FLATFISHES, OTHER	*	0	*	*	*	*	0
74 SALMONIDS	0	7	0	*	*	*	7
75 OTHER FISH	*	1	1	*	*	*	1
TOTAL	13	15	45	0	0	26	98

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	1	*	*	1
3 SHARK, OTHER	*	*	*	*	3	*	3
12 PACIFIC HAKE	*	*	*	1	*	*	1
15 BLACK ROCKFISH	*	*	*	17	1	*	18
16 BLUE ROCKFISH	*	*	*	73	69	*	142
18 BOCACCIO	*	*	*	1	9	*	10
19 CANARY ROCKFISH	*	*	*	8	6	*	14
21 COPPER ROCKFISH	*	*	*	17	4	*	21
22 GOPHER ROCKFISH	*	*	*	1	*	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	1	0	*	1
25 OLIVE ROCKFISH	*	*	*	1	3	*	4
26 QUILLBACK ROCKFISH	*	*	*	6	21	*	27
27 ROSY ROCKFISH	*	*	*	2	3	*	5
29 VERMILION ROCKFISH	*	*	*	6	1	*	7
30 WIDOW ROCKFISH	*	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	10	85	*	95
33 ROCKFISHES, OTHER	*	*	*	17	2	*	19
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	63	13	*	76
36 GREENLINGS, OTHER	*	*	*	2	*	*	2
38 CABEZON	*	*	*	3	2	*	6
63 SURPERCHES, OTHER	*	*	*	0	*	*	0
66 PACIFIC BONITO	*	*	*	2	*	*	2
67 PACIFIC MACKEREL	*	*	*	0	4	*	4
71 PACIFIC SANDDAB	*	*	*	1	0	*	1
72 ROCK SOLE	*	*	*	1	1	*	1
73 FLATFISHES, OTHER	*	*	*	1	*	*	1
74 SALMONIDS	*	*	*	8	*	*	8
75 OTHER FISH	*	*	*	0	0	*	1
TOTAL	0	0	0	243	230	0	472

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
15 BLACK ROCKFISH	*	*	*	*	6	*	6
16 BLUE ROCKFISH	*	*	*	15	3	*	18
17 BROWN ROCKFISH	*	*	*	*	32	*	32
18 BOCACCIO	*	*	*	*	5	*	5
19 CANARY ROCKFISH	*	*	*	1	2	*	3
21 COPPER ROCKFISH	*	*	*	5	4	*	9
23 GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	1	10	*	10
26 QUILLBACK ROCKFISH	*	*	*	1	*	*	1
27 ROSY ROCKFISH	*	*	*	0	*	*	0
28 STARRY ROCKFISH	*	*	*	*	1	*	1
29 VERMILION ROCKFISH	*	*	*	2	*	*	2
31 YELLOWTAIL ROCKFISH	*	*	*	*	9	*	9
33 ROCKFISHES, OTHER	*	*	*	22	16	*	38
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	14	2	*	16
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	*	*	*	3	2	*	5
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	*	*	*	1	*	*	1
TOTAL	0	0	0	65	92	0	158

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	1	*	3	*	*	3
3 SHARK, OTHER	5	*	2	42	6	55
4 STURGEONS	*	*	*	*	*	*
6 NORTHERN ANCHOVY	*	*	*	*	*	*
10 PACIFIC TONGOD	0	*	*	*	*	0
13 SILVERSIDES	0	*	*	*	*	0
14 JACKSMELT	8	*	0	*	*	8
15 BLACK ROCKFISH	1	*	*	3	*	2
16 BLUE ROCKFISH	*	*	*	6	*	6
17 BROWN ROCKFISH	3	0	*	8	*	11
18 BOCACCIO	*	*	*	*	*	*
19 CANARY ROCKFISH	*	*	*	5	*	5
20 CHILIPEPPER ROCKFISH	*	*	*	1	*	1
21 COPPER ROCKFISH	*	0	*	1	*	1
22 GOPHER ROCKFISH	*	*	*	0	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	*	*
24 GREENSTRIPED ROCKFISH	*	*	*	2	*	2
25 OLIVE ROCKFISH	*	*	*	0	*	0
26 QUILLBACK ROCKFISH	*	*	*	12	*	12
27 ROSY ROCKFISH	*	*	*	9	*	9
28 STARRY ROCKFISH	*	*	*	4	*	4
29 VERMILION ROCKFISH	*	*	*	3	*	3
31 YELLOWTAIL ROCKFISH	*	*	*	8	*	8
33 ROCKFISHES, OTHER	*	0	*	55	*	55
34 KELP GREENLING	*	0	1	1	*	1
35 LINGCOD	*	3	*	19	16	38
36 GREENLINGS, OTHER	*	*	0	*	*	0
38 CABEZON	*	0	0	2	1	3
39 PAC. STAGHORN SCULPIN	0	*	0	0	*	0
44 STRIPED BASS	*	2	59	8	*	69
48 WHITE CROAKER	8	0	*	1	*	9
53 BARRED SURFPERCH	2	*	6	*	*	8
54 BLACK PERCH	*	0	*	*	*	0
56 REDTAIL SURFPERCH	*	*	3	*	*	3
57 RUBBERLIP SEAPERCH	*	*	*	3	*	3
58 SHINER PERCH	*	*	*	*	*	*
59 SILVER SURFPERCH	0	*	3	*	*	3
60 STRIPED SEAPERCH	*	*	*	2	*	2
61 HALLIEYE SURFPERCH	2	0	0	*	*	2
62 WHITE SEAPERCH	0	*	0	*	*	0
63 SURFPERCHES, OTHER	2	0	2	*	*	3
66 PACIFIC BONITO	3	2	1	7	*	13
67 PACIFIC MACKEREL	20	8	2	2	*	32
69 STARRY FLOUNDER	1	0	0	4	*	4
70 CALIFORNIA HALIBUT	*	*	*	20	*	20
71 PACIFIC SANDDAB	0	*	0	*	*	0
73 FLATFISHES, OTHER	0	0	0	2	*	2
74 SALMONIDS	11	*	5	*	*	17
75 OTHER FISH	22	0	6	1	*	30
TOTAL	90	17	95	218	656	1083

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1983---DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	OPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	115	2	7	128	96	*	348
2 SPINY DOGFISH	*	*	*	*	8	*	8
3 SHARK, OTHER	5	*	4	68	9	*	85
4 STURGEONS	21	*	*	441	145	*	608
6 NORTHERN ANCHOVY	*	*	*	*	*	*	*
10 PACIFIC TONGOD	0	*	*	*	*	*	0
13 SILVERSIDES	5	0	*	*	*	*	5
14 JACKSMELT	64	0	9	0	*	*	73
16 BLUE ROCKFISH	*	*	*	1	*	*	1
17 BROWN ROCKFISH	3	0	*	3	*	*	6
21 COPPER ROCKFISH	*	*	*	0	*	*	0
33 ROCKFISHES, OTHER	*	*	*	*	23	*	23
34 KELP GREENLING	*	0	*	*	*	*	0
35 LINGCOD	*	*	3	6	*	*	8
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
38 CABEZON	*	*	*	*	*	*	*
39 PAC. STAGHORN SCULPIN	2	0	1	2	*	*	4
40 SCULPINS, OTHER	*	*	*	1	*	*	1
44 STRIPED BASS	1	2	3	113	54	*	173
48 WHITE CRONKER	17	*	1	8	*	*	26
53 BARRED SURFPERCH	0	0	*	0	*	*	1
54 BLACK PERCH	2	0	9	2	*	*	14
55 PILE PERCH	9	*	29	7	*	*	45
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	5	0	4	1	*	*	11
58 SHINER PERCH	3	0	0	0	*	*	4
59 SILVER SURFPERCH	0	*	1	*	*	*	1
60 STRIPED SEAPERCH	2	1	0	0	*	*	3
61 WALLEYE SURFPERCH	5	0	2	12	*	*	19
62 WHITE SEAPERCH	0	*	2	1	*	*	3
63 SURFPERCHES, OTHER	4	0	2	9	*	*	15
66 PACIFIC BONITO	*	*	*	5	*	*	5
67 PACIFIC HACKEREL	1	*	*	*	*	*	1
68 TUNAS	*	*	*	1	*	*	1
69 STARRY FLOUNDER	2	*	9	37	4	*	52
70 CALIFORNIA HALIBUT	*	*	*	69	27	*	97
71 PACIFIC SANDDAB	34	0	*	*	0	*	34
73 FLATFISHES, OTHER	4	0	1	*	1	*	5
74 SALMONIDS	33	*	0	1	*	*	34
75 OTHER FISH	13	0	28	54	*	*	95
TOTAL	350	7	116	973	368	0	1813

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	3	*	*	3
2 SPINY DOGFISH	*	*	*	1	*	1
3 SHARK, OTHER	*	*	*	2	*	4
8 SURF SHELTER	*	*	*	*	*	*
10 PACIFIC TOMCOD	0	*	*	*	*	0
13 SILVERSIDES	0	*	*	*	*	0
14 JACKSMELT	4	1	1	0	*	6
16 BLUE ROCKFISH	0	*	0	45	92	137
17 BROWN ROCKFISH	*	0	0	10	4	15
18 BOCACCIO	*	*	*	2	120	122
19 CANARY ROCKFISH	*	*	*	2	14	16
20 CHILIPEPPER ROCKFISH	*	*	*	*	45	45
21 COPPER ROCKFISH	*	*	*	5	9	14
22 GOPHER ROCKFISH	*	*	*	8	2	10
23 GREENSPOTTED ROCKFISH	*	*	*	1	13	14
24 GREENSTRIPED ROCKFISH	*	*	*	0	4	4
25 OLIVE ROCKFISH	*	*	*	18	45	64
26 GULLBACK ROCKFISH	*	*	*	1	1	2
27 ROSY ROCKFISH	*	*	*	2	3	6
28 STARRY ROCKFISH	*	*	*	1	7	7
29 VERMILION ROCKFISH	*	*	*	4	6	9
30 WIDOW ROCKFISH	*	*	*	3	11	14
31 YELLOWTAIL ROCKFISH	*	*	*	13	100	114
33 ROCKFISHES, OTHER	0	0	0	48	115	166
34 KELP GREENLING	0	*	0	1	0	1
35 LINGCOD	0	*	2	19	56	86
37 SABLEFISH	*	*	*	*	0	0
38 CABEZON	1	0	0	3	3	8
39 PAC. STAGHORN SCULPIN	0	0	0	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*
43 KELP BASS	*	*	1	2	0	3
44 STRIPED BASS	0	*	1	*	*	1
48 WHITE CROAKER	2	0	0	4	*	7
52 HALFBROOD	*	*	*	0	*	0
53 BARRED SURFPERCH	1	0	12	*	*	15
54 BLACK PERCH	0	0	1	*	*	1
55 PILE PERCH	*	*	1	*	*	1
56 REDTAIL SURFPERCH	*	*	0	*	*	0
57 RUBBERLIP SEAPERCH	*	0	0	*	0	1
58 SHINER PERCH	0	*	0	*	*	0
59 SILVER SURFPERCH	0	*	0	*	*	0
60 STRIPED SEAPERCH	*	*	0	0	*	1
61 WALLEYE SURFPERCH	2	0	1	*	*	3
62 WHITE SEAPERCH	1	0	0	*	*	1
63 SURFPERCHES, OTHER	1	1	1	0	4	7
65 PACIFIC BARRACUDA	*	*	*	0	*	0
66 PACIFIC BONITO	0	*	*	50	1	52
67 PACIFIC MACKEREL	1	0	*	14	15	30
69 STARRY FLOUNDER	0	1	0	1	*	3
70 CALIFORNIA HALIBUT	1	*	*	2	*	2
71 PACIFIC SANDDAB	0	0	*	3	6	9
72 ROCK SOLE	*	*	*	0	0	1
73 FLATFISHES, OTHER	1	0	0	8	2	11
74 SALMONIDS	*	*	*	*	1	1
75 OTHER FISH	1	1	0	5	0	7
TOTAL	17	6	25	280	676	1024

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1983--DEC 1983.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	3	*	*	3	*	*	6
2 SPINY DOGFISH	*	*	*	3	2	*	5
3 SHARK, OTHER	*	*	*	2	*	*	2
13 SILVERSIDES	0	*	*	*	*	*	0
14 JACKSMELT	5	*	1	1	*	*	7
15 BLACK ROCKFISH	*	*	*	0	1	*	1
16 BLUE ROCKFISH	*	*	*	83	57	*	139
17 BROWN ROCKFISH	*	*	0	16	10	*	27
18 BOCACCIO	0	*	*	4	*	*	4
19 CANARY ROCKFISH	*	*	*	3	1	*	4
21 COPPER ROCKFISH	*	*	0	11	6	*	17
22 GOPHER ROCKFISH	*	*	*	38	16	*	55
23 GREENSPOTTED ROCKFISH	*	*	*	0	*	*	0
25 OLIVE ROCKFISH	*	*	*	30	17	*	47
27 ROSY ROCKFISH	*	*	*	3	6	*	9
28 STARRY ROCKFISH	*	*	*	1	8	*	9
29 VERMILION ROCKFISH	*	*	*	9	11	*	20
30 WIDOW ROCKFISH	*	*	*	1	0	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	1	9	*	10
33 ROCKFISHES, OTHER	4	*	9	27	82	*	122
34 KELP GREENLING	0	*	*	0	*	*	1
35 LINGCOD	3	*	*	15	10	*	28
36 GREENLING, OTHER	*	*	*	1	*	*	1
38 CABEZON	*	*	1	6	1	*	8
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	*
43 KELP BASS	*	*	*	*	*	*	*
48 WHITE CROAKER	2	*	1	11	0	*	13
49 QUEENFISH	0	*	*	*	*	*	0
51 OPALEYE	*	*	0	*	*	*	0
53 BARRED SURFPERCH	1	*	19	0	*	*	20
54 BLACK PERCH	0	*	1	*	*	*	1
55 PILE PERCH	0	*	1	*	*	*	1
57 RUBBERLIP SEAPERCH	0	*	1	*	*	*	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	*	0	*	*	*	0
60 STRIPED SEAPERCH	0	*	*	*	*	*	0
61 WALLEYE SURFPERCH	1	*	0	*	*	*	1
62 WHITE SEAPERCH	0	*	*	*	*	*	0
63 SURFPERCHES, OTHER	1	*	6	0	*	*	7
65 PACIFIC BARRACUDA	*	*	*	0	*	*	0
66 PACIFIC BONITO	1	*	2	87	*	*	90
67 PACIFIC MACKEREL	15	*	0	12	17	*	44
68 TUNAS	*	*	*	22	*	*	22
69 STARRY FLOUNDER	0	*	*	1	*	*	1
70 CALIFORNIA HALIBUT	*	*	*	2	*	*	2
71 PACIFIC SANDDAB	0	*	*	0	*	*	0
72 ROCK SOLE	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	0	*	*	*	*	*	0
74 SALMONIDS	*	*	*	11	*	*	11
75 OTHER FISH	0	*	0	1	*	*	2
TOTAL	38	0	44	408	254	0	743

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	77	15	19	1	0	50	1	1	95	78	15	19
02. SPINY DOGFISH	0	0	100	*	*	*	4	1	36	1	1	66	5	8	148	10	8	80
03. SHARK, OTHER	0	0	41	1	1	100	14	30	21	6	2	41	1	1	128	152	30	20
04. STURGEONS	*	*	*	*	*	*	57	10	17	*	*	*	*	*	*	57	10	17
05. PACIFIC HERRING	8	13	151	65	80	123	*	*	*	*	*	*	*	*	*	74	81	110
06. NORTHERN ANCHOVY	1	2	136	*	*	*	9	8	52	308	224	73	*	*	*	318	224	70
07. SURF SMELT	1,812	2815	155	1,023	2179	213	176	92	*	*	*	*	*	*	*	3,011	3561	118
08. SMELTS, OTHER	3	3	100	9	9	100	*	*	*	*	*	*	*	*	*	12	9	79
10. PACIFIC TOMCOD	0	0	71	*	*	*	1	1	100	*	*	*	*	*	*	1	1	97
12. PACIFIC HAKE	*	*	*	0	0	100	*	*	*	44	14	32	0	0	227	44	14	32
13. SILVERSIDES	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
14. JACKSMELT	1	1	88	1	1	100	297	72	24	61	27	44	35	24	68	395	80	20
15. BLACK ROCKFISH	363	355	98	79	31	39	32	15	47	146	4	29	72	146	204	385	69	29
16. BLUE ROCKFISH	23	20	88	91	44	49	247	111	45	493	84	17	280	291	112	1,115	326	29
17. BROWN ROCKFISH	2	2	95	9	3	32	192	52	27	97	26	27	28	17	62	327	61	19
18. BOCACIO	*	*	*	15	8	54	9	4	46	124	43	35	112	85	76	260	96	37
19. CANARY ROCKFISH	21	19	89	50	21	43	25	12	46	29	7	23	17	15	87	143	35	24
20. CHILIPEPPER ROCKFISH	*	*	*	0	0	100	9	9	100	217	75	34	1	1	103	228	75	33
21. COPPER ROCKFISH	9	10	103	12	4	35	20	10	49	26	9	29	20	17	83	87	27	27
22. GOPHER ROCKFISH	*	*	*	0	0	69	0	0	100	58	17	29	169	205	121	227	205	90
23. GREENSPOTTED ROCKFISH	*	*	*	27	20	76	0	0	100	23	7	31	7	7	107	57	23	40
24. GREENSTRIPED ROCKFISH	*	*	*	12	9	77	*	*	*	28	12	43	1	1	115	41	15	37
25. OLIVE ROCKFISH	*	*	*	2	1	57	5	3	61	42	14	33	83	110	133	133	111	84
26. QUILBACK ROCKFISH	5	2	105	1	1	55	1	1	73	1	1	46	*	*	9	9	6	65
27. ROSY ROCKFISH	2	6	78	9	4	46	7	3	47	49	10	20	33	21	62	101	24	28
28. STARRY ROCKFISH	*	*	*	3	1	39	1	1	73	19	5	27	14	9	60	37	10	27
29. VERMILION ROCKFISH	5	4	90	5	2	42	4	2	47	14	4	27	30	27	91	58	28	49
30. WIDOW ROCKFISH	0	0	100	8	3	31	6	3	53	38	14	38	24	24	95	76	28	37
31. YELLOWTAIL ROCKFISH	25	32	124	110	34	31	80	43	59	117	26	22	80	61	76	413	91	22
33. ROCKFISHES, OTHER	15	8	55	49	15	31	110	27	24	305	42	14	180	103	57	659	116	18
34. KELP GREENLING	24	15	64	11	5	48	4	2	58	2	1	51	3	4	150	43	17	39
35. LINGCOD	27	20	92	24	13	53	11	3	50	39	8	20	33	40	120	134	49	37
36. GREENLINGS, OTHER	3	2	57	5	3	48	0	0	20	1	1	92	*	*	*	10	3	33
37. SABLEFISH	*	*	*	*	*	*	*	*	*	*	4	55	*	*	*	4	4	55
38. CABEZON	15	11	69	8	3	42	2	1	44	8	3	37	11	7	64	44	13	31
39. PAC. STAGHORN SCULPIN	10	8	82	1	1	79	766	118	15	200	103	52	47	57	121	1,023	167	16
40. SCULPINS, OTHER	2	2	109	2	2	71	11	6	58	*	*	*	1	1	72	16	7	43
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	0	0	77	0	0	77
43. KELP BASS	*	*	*	*	*	*	*	*	*	*	1	72	11	7	63	12	7	59
44. STRIPED BASS	*	*	*	1	0	58	114	16	14	2	1	58	*	*	*	117	16	14
48. WHITE CROAKER	*	*	*	*	*	*	161	32	20	314	139	44	76	65	86	552	157	28
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	1	1	93	1	1	93
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	0	0	100	0	0	155	0	0	155
52. HALIBUT	*	*	*	*	*	*	*	*	*	0	0	100	0	0	*	0	0	100
53. BARRED SURFPERCH	*	*	*	*	*	*	17	7	39	97	35	36	18	7	41	132	36	27
54. BLACK PERCH	*	*	*	1	1	100	29	15	52	3	1	50	1	1	58	15	15	45
55. PILE PERCH	1	0	48	0	0	100	30	12	39	2	0	81	0	0	259	12	12	36
56. REDTAIL SURFPERCH	23	14	60	4	2	42	2	1	57	2	0	107	0	1	100	30	14	46
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	5	3	66	2	2	101	0	0	100	7	4	54
58. SHINER PERCH	1	1	127	1	1	77	73	20	27	23	9	41	22	22	100	120	31	26
59. SILVER SURFPERCH	6	6	99	1	0	69	7	2	25	6	3	45	12	5	44	31	9	28
60. STRIPED SEAPERCH	18	16	90	15	8	53	7	3	49	2	1	52	0	0	89	41	18	44
61. WALLEYE SURFPERCH	5	5	100	*	*	*	31	12	39	22	6	27	0	4	48	15	15	23
62. WHITE SEAPERCH	2	1	54	2	1	71	5	2	37	3	1	47	8	0	100	66	3	24
63. SURFPERCHES, OTHER	2	3	137	5	2	33	95	22	23	63	15	24	24	15	63	189	31	16
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	0	0	100
66. PACIFIC BONITO	*	*	*	*	*	*	0	0	29	0	0	41	9	12	136	10	12	136
67. PACIFIC HADDOCK	*	*	*	3	2	68	23	18	80	43	112	26	24	247	87	734	272	37
68. TUNAS	*	*	*	*	*	*	*	*	*	11	4	34	1	2	185	13	4	35
69. STARRY FLOUNDER	0	0	100	0	0	55	69	18	26	5	2	41	4	3	75	29	18	23
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	5	5	31	1	1	92	20	26	134	25	26	103
71. PACIFIC SANDGAB	*	*	*	5	4	80	11	7	59	127	27	21	1	0	73	143	28	20
72. ROCK SOLE	*	*	*	0	0	100	*	*	*	4	1	1	0	0	100	4	4	100
73. FLATFISHES, OTHER	1	1	58	1	0	53	9	3	34	11	3	24	8	8	24	30	9	29
74. SALMONIDS	11	9	85	1	0	49	8	5	65	0	0	76	2	2	99	22	11	49
75. OTHER FISH	2	1	78	8	2	27	198	25	13	46	13	29	42	40	95	296	49	17
TOTAL	2,449	2838	116	1,679	2182	130	3,210	226	7	3,540	339	10	1,815	508	28	12,693	3638	29

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	20	11	2	1,891	525	*	*	2,449
MENDOCINO/SONOMA (NON-BOAT MODES)	75	3	*	1,080	*	*	18	1,174
MENDOCINO (BOAT MODES)	*	*	*	*	126	177	*	303
SONOMA (BOAT MODES)	*	*	*	*	65	137	*	202
SAN FRANCISCO	1,112	25	27	387	958	700	0	3,210
SANTA CRUZ/MONTEREY	395	117	*	507	1,346	1,153	23	3,540
SAN LUIS OBISPO	327	20	*	32	1,065	372	*	1,815
TOTAL	1,926	175	29	3,898	4,086	2,539	0	12,695

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	6	*	*	5	67	0	*	*	78
02. SPINY DOGFISH	1	0	*	*	8	0	*	*	10
03. SHARK, OTHER	2	0	*	1	144	4	*	*	152
04. STURGEONS	*	0	*	0	37	19	*	*	57
05. PACIFIC HERRING	74	0	*	*	*	*	*	*	74
06. NORTHERN ANCHOVY	9	2	*	307	*	*	*	*	318
07. SURF SHELTER	6	0	*	3,005	*	*	*	*	3,011
08. SHELTERS, OTHER	*	*	*	12	*	*	*	*	12
10. PACIFIC TOMCOD	*	0	*	0	*	1	*	*	1
12. PACIFIC HAKE	*	*	*	*	2	42	*	*	44
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSHELT	318	3	*	58	15	0	*	*	395
15. BLACK ROCKFISH	0	2	*	11	506	38	*	3	559
16. BLUE ROCKFISH	0	0	*	2	480	625	*	7	1,115
17. BROWN ROCKFISH	21	1	6	4	210	85	*	*	327
18. BOACCIO	201	1	*	1	8	51	*	*	260
19. CANARY ROCKFISH	*	*	*	2	76	66	*	0	143
20. CHILLIPEPPER ROCKFISH	*	*	*	*	1	227	*	*	228
21. COPPER ROCKFISH	*	0	*	1	40	46	*	0	87
22. GOPHER ROCKFISH	*	0	*	*	192	36	*	0	227
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	55	*	*	57
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	40	*	*	41
25. OLIVE ROCKFISH	0	*	*	0	109	22	*	1	133
26. GULLBACK ROCKFISH	*	*	*	*	7	2	*	*	9
27. ROSY ROCKFISH	*	*	*	0	31	70	*	*	101
28. STARRY ROCKFISH	*	*	*	*	8	29	*	*	37
29. VERMILION ROCKFISH	*	*	*	*	39	19	*	*	58
30. WIDOW ROCKFISH	*	*	*	*	2	74	*	*	76
31. YELLOWTAIL ROCKFISH	*	*	*	*	95	318	*	*	413
33. ROCKFISHES, OTHER	29	3	*	10	388	225	*	5	659
34. KELP GREENLING	0	4	*	13	23	2	*	2	43
35. LINGCOD	24	0	*	2	71	29	*	8	134
36. GREENLINGS, OTHER	*	1	*	7	0	0	*	1	10
37. SABLEFISH	*	*	*	*	0	8	*	*	8
38. CABEZON	0	8	*	7	20	1	*	7	44
39. PAC. STAGHORN SCULPIN	557	104	1	88	207	65	*	*	1,023
40. SCULPINS, OTHER	10	1	*	3	2	*	*	*	16
41. BARRED SAND BASS	*	*	*	0	0	*	*	*	0
43. KELP BASS	2	8	*	0	1	*	*	1	12
44. STRIPED BASS	7	1	*	11	71	27	*	*	117
48. WHITE CROAKER	139	5	*	4	401	3	*	*	552
49. QUEENFISH	1	*	*	*	*	*	*	*	1
50. CROAKERS, OTHER	*	*	*	*	1	*	*	*	1
51. OPALEYE	*	*	*	0	*	*	*	*	0
52. HALIBOOT	*	*	*	*	*	*	*	0	0
53. BARRED SURFPERCH	13	1	*	115	4	*	*	*	132
54. BLACK PERCH	9	1	14	6	3	*	*	1	13
55. PILE PERCH	16	0	0	3	13	*	*	*	33
56. REDTAIL SURFPERCH	1	0	0	28	1	*	*	*	30
57. RUBBERLIP SEAPERCH	3	0	3	0	0	*	*	0	7
58. SHINER PERCH	113	1	*	5	*	*	*	*	120
59. SILVER SURFPERCH	10	0	1	19	1	*	*	*	31
60. STRIPED SEAPERCH	3	2	3	29	1	*	*	2	41
61. WALLEYE SURFPERCH	42	3	0	18	2	*	*	*	66
62. WHITE SEAPERCH	4	0	0	5	3	*	*	*	13
63. SURFPERCHES, OTHER	125	4	*	44	16	*	*	0	189
65. PACIFIC BARRACUDA	*	*	*	0	0	*	*	*	0
66. PACIFIC BONITO	0	*	*	0	0	0	*	*	10
67. PACIFIC MACKEREL	66	9	*	26	452	161	*	*	734
68. TUNAS	*	*	*	*	*	13	*	*	13
69. STARRY FLOUNDER	14	1	*	3	34	28	*	*	79
70. CALIFORNIA HALIBUT	2	0	*	0	20	2	*	0	25
71. PACIFIC SANDDAB	10	0	*	*	77	55	*	*	143
72. ROCK SOLE	*	0	*	*	3	1	*	*	4
73. FLATFISHES, OTHER	6	1	0	1	14	9	*	*	30
74. SALMONIDS	2	0	*	5	12	2	*	*	22
75. OTHER FISH	79	6	*	36	153	19	*	2	296
TOTAL	1,926	175	29	3,898	4,086	2,539	0	41	12,693

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	0	*	*	*	*	*	*	0
03. SHARK, OTHER	0	0	*	*	*	*	*	*	0
05. PACIFIC HERRING	8	0	*	*	*	*	*	*	8
06. NORTHERN ANCHOVY	1	*	*	*	*	*	*	*	1
07. SURF SMELT	*	0	*	1,812	*	*	*	*	1,812
08. SMELTS, OTHER	*	*	*	3	*	*	*	*	3
10. PACIFIC TOMCOD	*	0	*	0	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	0	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	0	2	*	8	363	*	*	0	363
16. BLUE ROCKFISH	*	0	*	0	23	*	*	*	23
17. BROWN ROCKFISH	*	0	*	0	1	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	21	*	*	*	21
21. COPPER ROCKFISH	*	0	*	*	9	*	*	*	9
26. QUILLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	5	*	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	5	*	*	*	5
30. WIDOW ROCKFISH	*	*	*	*	5	*	*	*	5
31. YELLOWTAIL ROCKFISH	*	*	*	*	20	*	*	*	20
33. ROCKFISHES, OTHER	*	1	*	2	13	*	*	*	15
34. KELP GREENLING	0	3	*	7	13	*	*	0	23
35. LINGCOD	*	0	*	0	27	*	*	*	27
36. GREENLINGS, OTHER	*	1	*	2	*	*	*	0	3
38. CABEZON	*	1	*	1	14	*	*	*	15
39. PAC. STAGHORN SCULPIN	5	0	*	4	0	*	*	*	10
40. SCULPINS, OTHER	0	0	*	1	0	*	*	*	1
55. PILE PERCH	0	0	0	0	0	*	*	*	0
56. REDTAIL SURPPERCH	0	0	0	21	1	*	*	*	23
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURPPERCH	0	0	1	5	0	*	*	*	6
60. STRIPED SEAPERCH	0	2	0	15	0	*	*	0	18
61. WALLEYE SURPPERCH	2	0	0	3	0	*	*	*	5
62. WHITE SEAPERCH	1	0	0	1	1	*	*	*	3
63. SURPPERCHES, OTHER	*	*	*	2	*	*	*	*	2
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	1	*	*	*	*	0
73. FLATFISHES, OTHER	0	*	0	1	0	*	*	*	1
74. SALMONIDS	*	0	*	1	9	*	*	*	11
75. OTHER FISH	*	0	*	2	*	*	*	*	2
TOTAL	20	11	2	1,891	525	0	0	0	2,449

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
05. PACIFIC HERRING	65	*	*	*	*	*	*	*	65
07. SURF SMELT	6	*	*	1,017	*	*	*	*	1,023
08. SMELTS, OTHER	*	*	*	9	*	*	*	*	9
14. JACKSMELT	*	*	*	1	*	*	*	*	1
15. BLACK ROCKFISH	*	0	*	3	*	*	*	3	6
16. BLUE ROCKFISH	*	*	*	2	*	*	*	4	7
17. BROWN ROCKFISH	*	*	*	1	*	*	*	*	1
19. CANARY ROCKFISH	*	*	*	2	*	*	*	0	2
21. COPPER ROCKFISH	*	0	*	1	*	*	*	0	1
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	*	0
25. OLIVE ROCKFISH	*	*	*	0	*	*	*	*	0
27. ROSY ROCKFISH	*	*	*	0	*	*	*	*	0
33. ROCKFISHES, OTHER	*	*	*	3	*	*	*	0	3
34. KELP GREENLING	*	0	*	6	*	*	*	1	7
35. LINGCOD	*	0	*	1	*	*	*	2	3
36. GREENLINGS, OTHER	*	0	*	3	*	*	*	*	3
38. CABEZON	*	0	*	*	*	*	*	3	3
39. PAC. STAGHORN SCULPIN	0	*	*	*	*	*	*	*	0
40. SCULPINS, OTHER	*	1	*	1	*	*	*	*	2
55. PILE PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	0	0	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	0
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	*	1	*	12	*	*	*	2	15
62. WHITE SEAPERCH	*	0	*	2	*	*	*	*	2
63. SURFPERCHES, OTHER	*	0	*	4	*	*	*	0	4
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	*	0	*	1	*	*	*	*	1
75. OTHER FISH	*	0	*	2	*	*	*	2	4
TOTAL	73	3	0	1,080	0	0	0	18	1,174

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	1	*	*	1
12. PACIFIC HAKE	*	*	*	*	*	0	*	*	0
15. BLACK ROCKFISH	*	*	*	*	30	*	*	*	30
16. BLUE ROCKFISH	*	*	*	*	22	48	*	*	70
18. BOCACCIO	*	*	*	*	*	10	*	*	10
19. CANARY ROCKFISH	*	*	*	*	15	24	*	*	39
21. COPPER ROCKFISH	*	*	*	*	4	0	*	*	4
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	12	*	*	12
25. OLIVE ROCKFISH	*	*	*	*	0	*	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	3	5	*	*	7
29. VERMILION ROCKFISH	*	*	*	*	3	0	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	5	43	*	*	48
33. ROCKFISHES, OTHER	*	*	*	*	18	6	*	*	24
34. KELP GREENLING	*	*	*	*	2	*	*	*	2
35. LINGCOD	*	*	*	*	15	1	*	*	16
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	2	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	126	177	0	0	303

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	9	34	*	*	43
16. BLUE ROCKFISH	*	*	*	*	13	1	*	*	15
17. BROWN ROCKFISH	*	*	*	*	3	5	*	*	8
18. BOCACCIO	*	*	*	*	*	5	*	*	5
19. CANARY ROCKFISH	*	*	*	*	7	3	*	*	9
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	4	3	*	*	7
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	1	*	*	2
26. GULLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	1	*	*	1
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	1	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	6	56	*	*	62
33. ROCKFISHES, OTHER	*	*	*	*	10	12	*	*	22
34. KELP GREENLING	*	*	*	*	1	1	*	*	2
35. LINGCOD	*	*	*	*	2	3	*	*	5
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
44. STRIPED BASS	*	*	*	*	1	*	*	*	1
54. BLACK PERCH	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	0	1	*	*	1
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	5	*	*	*	5
TOTAL	0	0	0	0	65	137	0	0	202

TABLE 8. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	5	*	*	5	67	0	*	*	77
02. SPINY DOGFISH	1	*	*	*	3	*	*	*	4
03. SHARK, OTHER	1	0	*	1	141	0	*	*	144
04. STURGEONS	*	0	*	0	37	19	*	*	57
06. NORTHERN ANCHOVY	7	*	*	2	*	*	*	*	9
07. SURF SMELT	*	*	*	176	*	*	*	*	176
10. PACIFIC TOMCOD	*	*	*	*	*	1	*	*	1
14. JACKSMELT	255	1	*	40	1	*	*	*	297
15. BLACK ROCKFISH	*	*	*	*	30	2	*	*	32
16. BLUE ROCKFISH	*	*	*	*	7	240	*	*	247
17. BROWN ROCKFISH	19	1	6	2	90	73	*	*	192
18. BOCCACCIO	*	*	*	*	*	9	*	*	9
19. CANARY ROCKFISH	*	*	*	*	6	20	*	*	26
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	9	*	*	9
21. COPPER ROCKFISH	*	*	*	*	1	19	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	4	*	*	5
26. QUILLBACK ROCKFISH	*	*	*	*	*	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	*	7	*	*	7
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	80	*	*	80
33. ROCKFISHES, OTHER	19	2	*	3	45	40	*	*	110
34. KELP GREENLING	*	0	*	0	3	1	*	*	4
35. LINGCOD	1	*	*	*	3	7	*	*	11
36. GREENLINGS, OTHER	*	*	*	*	*	0	*	*	0
38. CABEZON	0	*	*	2	*	*	*	*	2
39. PAC. STAGHORN SCULPIN	437	2	1	62	198	65	*	*	766
40. SCULPINS, OTHER	10	*	*	*	2	*	*	*	11
44. STRIPED BASS	7	1	*	9	70	27	*	*	114
48. WHITE CROAKER	85	5	*	3	66	2	*	*	161
53. BARRED SURFPERCH	2	1	*	11	4	*	*	*	17
54. BLACK PERCH	8	1	14	4	2	*	*	*	29
55. PILE PERCH	15	*	*	2	13	*	*	*	30
56. REDTAIL SURFPERCH	*	*	*	2	*	*	*	*	2
57. RUBBERLIP SEAPERCH	1	*	3	0	0	*	*	*	5
58. SHINER PERCH	67	1	*	5	*	*	*	*	73
59. SILVER SURFPERCH	4	*	*	2	1	*	*	*	7
60. STRIPED SEAPERCH	2	*	3	1	1	*	*	*	7
61. WALLEYE SURFPERCH	27	0	*	2	2	*	*	*	31
62. WHITE SEAPERCH	2	*	*	2	1	*	*	*	5
63. SURFPERCHES, OTHER	64	2	*	14	15	*	*	*	95
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	19	4	*	*	23
69. STARRY FLOUNDER	8	1	*	2	31	28	*	*	69
70. CALIFORNIA HALIBUT	9	0	*	0	2	2	*	*	5
71. PACIFIC SANDOAB	9	*	*	*	0	1	*	*	11
73. FLATFISHES, OTHER	1	*	*	*	3	6	*	*	9
74. SALMONIDS	2	*	*	3	1	2	*	*	8
75. OTHER FISH	52	6	*	31	92	17	*	*	198
TOTAL	1,112	25	27	387	958	700	0	0	3,210

TABLE 9. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	0	*	*	*	1
03. SHARK, OTHER	*	0	*	0	0	*	*	*	0
04. STURGEONS	*	0	*	*	*	*	*	*	0
06. NORTHERN ANCHOVY	5	*	*	2	*	*	*	*	7
07. SURF SHELFT	*	*	*	176	*	*	*	*	176
14. JACKSMELT	6	*	*	*	*	*	*	*	6
15. BLACK ROCKFISH	*	*	*	*	*	2	*	*	2
16. BLUE ROCKFISH	*	*	*	*	7	260	*	*	267
17. BROWN ROCKFISH	2	1	*	*	10	72	*	*	86
18. BOCCACCIO	*	*	*	*	*	9	*	*	9
19. CANARY ROCKFISH	*	*	*	*	6	20	*	*	25
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	9	*	*	9
21. COPPER ROCKFISH	*	*	*	*	1	19	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	4	*	*	5
26. QUILLBACK ROCKFISH	*	*	*	*	*	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	*	7	*	*	7
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	80	*	*	80
33. ROCKFISHES, OTHER	1	2	*	*	13	34	*	*	51
34. KELP GREENLING	*	0	*	0	3	1	*	*	4
35. LINGCOD	*	*	*	*	2	7	*	*	9
36. GREENLINGS, OTHER	*	*	*	*	*	0	*	*	0
38. CAREZON	0	*	*	2	*	*	*	*	2
39. PAC. STAGHORN SCULPIN	17	1	*	1	0	*	*	*	19
44. STRIPED BASS	*	*	*	1	6	0	*	*	8
48. WHITE CRONKER	25	3	*	3	*	0	*	*	31
53. BARRED SURFPERCH	1	*	*	11	*	*	*	*	12
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	1	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	2	*	*	*	*	2
58. SHINER PERCH	14	*	*	*	*	*	*	*	14
59. SILVER SURFPERCH	1	*	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	0	*	*	*	1	*	*	*	1
61. WALLEYE SURFPERCH	3	0	*	1	*	*	*	*	5
62. WHITE SEAPERCH	1	*	*	1	*	*	*	*	3
63. SURFPERCHES, OTHER	15	*	*	11	1	*	*	*	28
67. PACIFIC MACKEREL	*	0	*	*	1	4	*	*	5
69. STARRY FLOUNDER	*	0	*	1	*	*	*	*	1
70. CALIFORNIA HALIBUT	*	0	*	0	*	1	*	*	2
71. PACIFIC SANDDAB	1	*	*	*	0	1	*	*	2
73. FLATFISHES, OTHER	1	*	*	*	1	*	*	*	1
74. SALMONIDS	2	*	*	3	1	1	*	*	6
75. OTHER FISH	*	0	*	1	3	7	*	*	12
TOTAL	94	9	0	217	58	533	0	0	912

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	5	*	*	4	66	0	*	*	76
02. SPINY DOGFISH	1	*	*	*	3	*	*	*	4
03. SHARK, OTHER	1	*	*	1	141	0	*	*	143
04. STURGEONS	*	*	*	0	37	19	*	*	57
06. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
10. PACIFIC TONGOD	*	*	*	*	*	1	*	*	1
14. JACKSMELT	248	1	*	40	1	*	*	*	291
15. BLACK ROCKFISH	*	*	*	*	30	*	*	*	30
17. BROWN ROCKFISH	16	*	6	2	80	1	*	*	106
33. ROCKFISHES, OTHER	18	*	*	3	32	6	*	*	59
35. LINGCOD	1	*	*	*	1	*	*	*	2
38. CABEZON	*	*	*	0	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	420	2	1	61	197	65	*	*	747
40. SCULPINS, OTHER	10	*	*	*	2	*	*	*	11
44. STRIPED BASS	7	1	*	8	64	27	*	*	107
48. WHITE CROAKER	60	2	*	*	66	2	*	*	131
53. BARRED SURFPERCH	1	1	*	*	4	*	*	*	6
54. BLACK PERCH	8	1	14	4	2	*	*	*	29
55. PILE PERCH	15	*	*	2	12	*	*	*	30
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	3	0	0	*	*	*	5
58. SHINER PERCH	53	1	*	5	*	*	*	*	59
59. SILVER SURFPERCH	3	*	*	*	1	*	*	*	5
60. STRIPED SEAPERCH	2	*	3	1	*	*	*	*	6
61. WALLYE SURFPERCH	24	*	*	1	2	*	*	*	27
62. WHITE SEAPERCH	1	*	*	1	1	*	*	*	2
63. SURFPERCHES, OTHER	49	2	*	3	14	*	*	*	69
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	17	*	*	*	17
69. STARRY FLOUNDER	8	1	*	1	31	28	*	*	68
70. CALIFORNIA HALIBUT	*	*	*	*	2	1	*	*	3
71. PACIFIC SANDDAB	9	*	*	*	*	*	*	*	9
73. FLATFISHES, OTHER	1	*	*	*	2	6	*	*	8
74. SALMONIDS	0	*	*	*	*	1	*	*	2
75. OTHER FISH	52	6	*	31	89	10	*	*	186
TOTAL	1,018	16	27	170	900	167	0	0	2,297

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	0	*	*	*	1
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	0	*	*	*	3	3	*	*	6
05. NORTHERN ANCHOVY	1	2	*	305	*	*	*	*	308
12. PACIFIC HAKE	*	*	*	*	2	42	*	*	44
14. JACKSMELT	41	1	*	17	2	0	*	*	61
15. BLACK ROCKFISH	*	*	*	*	14	0	*	0	14
16. BLUE ROCKFISH	0	*	*	*	23	256	*	2	483
17. BROWN ROCKFISH	2	*	*	*	91	4	*	*	97
18. BOCACCIO	94	*	*	1	4	2	*	*	124
19. CANARY ROCKFISH	*	*	*	*	16	14	*	*	29
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	217	*	*	217
21. COPPER ROCKFISH	*	*	*	*	7	19	*	*	26
22. GOPHER ROCKFISH	*	*	*	*	56	1	*	0	58
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	22	*	*	23
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	27	*	*	28
25. OLIVE ROCKFISH	*	*	*	*	30	12	*	1	42
26. QUILLBACK ROCKFISH	*	*	*	*	1	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	17	32	*	*	49
28. STARRY ROCKFISH	*	*	*	*	5	14	*	*	19
29. VERMILION ROCKFISH	*	*	*	*	9	5	*	*	14
30. WIDOW ROCKFISH	*	*	*	*	1	37	*	*	38
31. YELLOWTAIL ROCKFISH	*	*	*	*	28	89	*	*	117
33. ROCKFISHES, OTHER	9	*	*	1	164	126	*	4	305
34. KELP GREENLING	*	*	*	*	1	*	*	1	2
35. LINGCOD	0	*	*	0	17	15	*	6	39
36. GREENLING, OTHER	*	*	*	*	*	*	*	1	1
37. SABLEFISH	*	*	*	*	0	8	*	*	8
38. CABEZON	*	0	*	1	2	*	*	4	8
39. PAC. STAGHORN SCULPIN	72	98	*	22	8	*	*	*	200
43. KELP BASS	*	*	*	*	0	*	*	1	1
44. STRIPED BASS	*	*	*	2	*	*	*	*	2
48. WHITE CROAKER	30	*	*	1	283	*	*	*	314
52. HALIBUT	*	*	*	*	*	*	*	0	0
53. BARRED SURFPERCH	5	0	*	92	*	*	*	*	97
54. BLACK PERCH	1	0	*	1	0	*	*	1	3
55. PILE PERCH	1	*	*	0	*	*	*	1	2
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	2	0	*	*	*	*	*	0	2
58. SHINER PERCH	23	*	*	0	*	*	*	*	23
59. SILVER SURFPERCH	0	*	*	5	*	*	*	*	6
60. STRIPED SEAPERCH	1	*	*	0	0	*	*	0	2
61. WALLEYE SURFPERCH	10	3	*	9	0	*	*	*	22
62. WHITE SEAPERCH	1	0	*	0	1	*	*	*	3
63. SURFPERCHES, OTHER	40	2	*	21	*	*	*	0	63
65. PACIFIC BARRACUDA	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	0	*	*	0
67. PACIFIC MACKEREL	32	9	*	26	247	111	*	*	424
68. TUNAS	*	*	*	*	*	11	*	*	11
69. STARRY FLOUNDER	2	*	*	1	2	*	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	0	1
71. PACIFIC SANDDAB	1	*	*	*	72	54	*	*	127
72. ROCK SOLE	*	*	*	*	3	1	*	*	4
73. FLATFISHES, OTHER	4	0	*	1	3	3	*	*	11
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	22	*	*	0	20	3	*	*	46
TOTAL	393	117	0	507	1,346	1,153	0	23	3,540

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1984---DEC 1984.

GROUP	PIER & DOCK BREAKWATER	JETTY & BEACH	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	0	*	*	1
02. SPINY DOGFISH	*	*	*	*	5	0	*	5
03. SHARK, OTHER	*	*	*	*	1	0	*	1
12. PACIFIC HAKE	*	*	*	*	*	0	*	0
14. JACKSMELT	22	1	*	1	11	0	*	35
15. BLACK ROCKFISH	*	*	*	*	70	2	*	72
16. BLUE ROCKFISH	*	*	*	*	181	80	*	261
17. BROWN ROCKFISH	*	*	*	*	24	4	*	28
18. BOCACCIO	106	1	*	*	4	1	*	112
19. CANARY ROCKFISH	*	*	*	*	11	6	*	17
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	1	*	1
21. COPPER ROCKFISH	*	*	*	*	16	4	*	20
22. GOPHER ROCKFISH	*	*	*	*	136	34	*	169
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	5	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	1
25. OLIVE ROCKFISH	0	*	*	*	77	6	*	83
27. ROSY ROCKFISH	*	*	*	*	9	24	*	33
28. STARRY ROCKFISH	*	*	*	*	4	11	*	14
29. VERMILION ROCKFISH	*	*	*	*	22	9	*	30
30. WIDOW ROCKFISH	*	*	*	*	1	23	*	24
31. YELLOWTAIL ROCKFISH	*	*	*	*	31	49	*	80
33. ROCKFISHES, OTHER	1	*	*	1	137	42	*	180
34. KELP GREENLING	*	*	*	*	3	*	*	3
35. LINGCOD	23	*	*	0	7	3	*	33
38. CABEZON	*	6	*	1	3	1	*	11
39. PAC. STAGHORN SCULPIN	42	4	*	0	1	*	*	47
40. SCULPINS, OTHER	*	1	*	0	*	*	*	1
41. BARRED SAND BASS	*	*	*	0	0	*	*	0
43. KELP BASS	2	8	*	0	1	*	*	11
48. WHITE CROAKER	24	*	*	*	52	0	*	76
49. QUEENFISH	1	*	*	*	*	*	*	1
50. CROAKERS, OTHER	*	*	*	*	1	*	*	0
51. OPALEYE	*	*	*	0	*	*	*	1
53. BARRED SURFFERCH	6	*	*	12	*	*	*	18
54. BLACK PERCH	0	*	*	1	*	*	*	1
55. PILE PERCH	*	*	*	0	*	*	*	0
56. REDTAIL SURFFERCH	*	*	*	1	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	0
58. SHINER PERCH	22	*	*	0	*	*	*	22
59. SILVER SURFFERCH	5	*	*	6	*	*	*	12
60. STRIPED SEAPERCH	0	*	*	0	*	*	*	0
61. WALLEYE SURFFERCH	4	*	*	4	*	*	*	8
62. WHITE SEAPERCH	0	*	*	*	*	*	*	0
63. SURFFERCHES, OTHER	21	*	*	2	1	*	*	24
65. PACIFIC BARRAUDA	*	*	*	*	0	*	*	0
66. PACIFIC BONITO	0	*	*	0	8	*	*	9
67. PACIFIC MACKEREL	34	*	*	*	185	65	*	284
68. TUNAS	*	*	*	*	*	1	*	1
69. STARRY FLOUNDER	4	*	*	*	1	0	*	4
70. CALIFORNIA HALIBUT	2	*	*	*	17	0	*	20
71. PACIFIC SANDDAB	*	*	*	*	1	0	*	1
72. ROCK SOLE	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	0	*	*	*	8	*	*	8
74. SALMONIDS	*	*	*	1	1	*	*	2
75. OTHER FISH	5	*	*	1	36	*	*	42
TOTAL	327	20	0	32	1,065	372	0	1,815

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1984--DEC 1984.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	16	3	17	0	0	65	0	0	100	17	3	17
02. SPINY DOGFISH	*	*	*	0	*	*	2	1	1	1	0	99	0	0	0	4	1	27
03. SHARK, OTHER	0	0	56	1	1	100	15	5	28	1	0	55	*	*	*	17	5	35
04. STURGEONS	*	*	*	*	*	*	28	8	28	*	*	*	*	*	*	28	8	28
05. PACIFIC HERRING	8	13	151	65	80	123	*	*	*	*	*	*	*	*	*	74	81	110
06. NORTHERN ANCHOVY	1	2	179	*	*	*	2	1	72	303	224	74	*	*	*	305	224	73
07. SURF SHELTER	1,812	2815	155	1,023	2179	213	176	92	52	*	*	*	*	*	*	3,011	3561	118
08. SHELTS, OTHER	3	3	71	9	9	100	*	*	*	*	*	*	*	*	*	12	9	79
09. PACIFIC TOMCOD	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	71
10. PACIFIC TONGOD	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	71
11. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	41	14	34	0	0	227	41	14	34
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	0	0	100	1	1	125	*	*	*	*	*	*	*	*	*	0	0	100
14. JACKSHELT	0	0	106	1	1	125	28	71	27	25	28	48	24	18	77	337	78	23
15. BLACK ROCKFISH	327	353	108	79	31	39	28	14	53	45	24	30	24	24	519	324	74	
16. BLUE ROCKFISH	23	20	88	44	31	51	110	9	28	110	48	30	250	118	286	104	80	
17. BROWN ROCKFISH	1	2	118	9	3	32	177	52	49	61	20	20	28	63	286	60	28	
18. BOCACCIO	*	*	*	15	8	54	9	4	46	86	38	44	83	74	89	194	106	43
19. CANARY ROCKFISH	21	19	89	50	21	103	25	12	46	29	7	24	17	15	87	122	33	20
20. CHILLIPEPPER ROCKFISH	*	*	*	0	0	43	0	9	103	29	75	24	1	1	110	227	76	43
21. COPPER ROCKFISH	9	10	104	12	4	35	20	10	49	26	9	30	20	17	118	24	20	97
22. GOPHER ROCKFISH	*	*	*	0	0	69	0	0	100	57	17	30	168	205	122	28	28	97
23. GREENSPOTTED ROCKFISH	*	*	*	27	20	76	0	0	100	23	7	31	7	7	107	57	23	40
24. GREENSTRIPED ROCKFISH	*	*	*	12	9	77	0	0	100	28	12	43	1	1	115	40	15	37
25. OLIVE ROCKFISH	*	*	*	2	1	37	5	3	61	40	14	34	83	110	133	131	111	86
26. GULLBACK ROCKFISH	5	6	105	1	1	55	1	1	73	4	1	46	*	*	*	9	6	26
27. ROSY ROCKFISH	2	2	86	9	4	46	7	3	47	42	9	28	33	21	62	93	28	26
28. STARRY ROCKFISH	*	*	*	3	1	39	1	1	73	19	5	27	14	9	60	37	10	27
29. VERMILION ROCKFISH	3	4	121	5	2	42	4	2	47	14	4	27	30	27	91	56	28	50
30. WIDOW ROCKFISH	0	0	100	8	3	32	6	3	59	38	14	27	20	24	95	76	28	37
31. YELLOWTAIL ROCKFISH	25	32	128	110	34	31	80	43	53	115	26	23	79	61	77	408	91	22
32. ROCKFISHES, OTHER	14	8	59	37	14	39	39	16	40	133	18	13	102	48	47	38	56	17
33. ROCKFISHES, OTHER	14	8	59	37	14	39	39	16	40	133	18	13	102	48	47	38	56	17
34. KELP GREENLING	18	14	81	11	5	49	4	2	38	2	1	22	3	4	150	37	16	43
35. LINGCOD	26	25	95	23	13	56	7	2	50	33	7	22	8	5	68	97	29	30
36. GREENLING, OTHER	3	2	59	5	2	50	0	0	50	0	0	206	*	*	*	8	3	37
37. SABLEFISH	*	*	*	*	*	*	0	0	0	8	4	39	*	*	*	8	4	35
38. CABEZON	15	11	71	8	3	42	1	1	64	7	3	39	4	2	54	35	12	33
39. PAC. STAGHORN SCULPIN	1	1	125	*	*	*	103	22	21	12	4	35	5	4	86	120	23	19
40. SCULPINS, OTHER	0	0	55	2	2	72	1	1	100	*	*	*	0	0	0	3	0	60
41. BARRED SAND BASS	*	*	*	2	2	72	1	1	100	*	*	*	0	0	0	0	0	77
42. BARRED SAND BASS	*	*	*	2	2	72	1	1	100	*	*	*	0	0	0	0	0	77
43. KELP BASS	*	*	*	0	0	100	66	11	17	1	1	72	2	2	73	3	2	56
44. STRIPED BASS	*	*	*	0	0	100	66	11	17	1	1	65	*	*	*	68	11	17
45. STRIPED BASS	*	*	*	0	0	100	66	11	17	1	1	65	*	*	*	68	11	17
46. STRIPED BASS	*	*	*	0	0	100	66	11	17	1	1	65	*	*	*	68	11	17
47. STRIPED BASS	*	*	*	0	0	100	66	11	17	1	1	65	*	*	*	68	11	17
48. WHITE CROAKER	*	*	*	*	*	*	109	28	26	288	136	57	44	55	125	392	150	138
49. GLENFISH	*	*	*	*	*	*	*	*	*	*	*	*	1	1	100	1	1	100
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
51. OPALLEYE	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0
52. HALIBOOT	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
53. BARRED SURFPERCH	*	*	*	1	1	100	17	7	40	79	34	43	15	7	47	111	35	42
54. BLACK PERCH	*	*	*	1	1	100	28	15	53	3	2	58	1	0	0	12	15	46
55. PILE PERCH	1	0	48	0	0	100	29	12	40	2	2	2	0	0	269	12	12	37
56. REDTAIL SURFPERCH	21	13	64	4	2	48	1	1	66	0	0	107	1	1	100	27	14	50
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	5	3	66	2	2	101	0	0	100	7	4	54
58. SHINER PERCH	1	1	169	0	0	119	45	14	30	14	8	55	19	22	113	65	27	34
59. SILVER SURFPERCH	5	6	122	1	0	69	7	2	30	6	1	45	10	5	103	37	9	31
60. STRIPED SEAPERCH	15	16	105	14	8	55	31	12	33	19	6	29	8	4	49	66	18	26
61. WALLEYE SURFPERCH	2	2	104	2	1	71	5	2	39	3	1	47	0	0	100	12	3	26
62. WHITE SEAPERCH	2	1	56	2	1	71	5	2	39	3	1	47	0	0	100	12	3	26
63. SURFPERCHES, OTHER	2	3	148	3	1	36	29	9	0	18	5	31	9	10	108	61	15	20
64. PACIFIC BONITO	*	*	*	1	0	60	23	18	83	37	110	41	18	28	134	54	24	124
65. PACIFIC MACKEREL	*	*	*	1	0	60	23	18	83	37	110	41	18	28	134	54	24	124
66. TUNAS	*	*	*	0	0	55	50	16	32	11	4	41	4	3	84	63	17	28
67. STARRY FLOUNDER	0	0	100	0	0	55	50	16	32	11	4	41	4	3	84	63	17	28
68. STARRY FLOUNDER	0	0	100	0	0	55	50	16	32	11	4	41	4	3	84	63	17	28
69. STARRY FLOUNDER	0	0	100	0	0	55	50	16	32	11	4	41	4	3	84	63	17	28
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	5	2	30	1	1	30	6	9	151	11	9	79
71. PACIFIC SNODDAB	*	*	*	5	4	80	11	7	59	118	27	29	0	0	0	134	28	21
72. ROCK SOLE	*	*	*	0	0	100	4	2	59	4	2	59	0	0	0	21	1	13
73. FLATFISHES, OTHER	1	1	173	0	0	62	4	2	62	7	0	0	0	0	0	21	1	13
74. SALMONIDS	8	8	113	1	0	62	7	5	62	0	0	0	1	2	136	17	6	39
75. OTHER FISH	1	1	108	8	2	28	79	18	23	13	3	22	6	5	84	107	19	18
TOTAL	2,377	2837	119	1,651	2182	132	1,814	185	10	2,710	316	12	1,387	480	35	9,940	3630	37

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	14	7	2	1,870	483	*	*	0	2,377
MENDOCINO/SONOMA (NON-BOAT MODES)	72	2	*	1,077	*	*	*	18	1,169
MENDOCINO (BOAT MODES)	*	*	*	*	122	177	*	*	299
SONOMA (BOAT MODES)	*	*	*	*	56	127	*	*	184
SAN FRANCISCO	544	16	20	299	390	545	*	0	1,814
SANTA CRUZ/MONTEREY	201	13	*	445	1,033	996	*	22	2,710
SAN LUIS OBISPO	195	3	*	25	847	317	*	*	1,387
TOTAL	1,027	42	22	3,715	2,932	2,162	0	40	9,940

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	2	*	*	4	11	*	*	17
02. SPINY DOGFISH	*	*	*	4	4	*	*	4
03. SHARK, OTHER	0	*	*	0	16	1	*	17
04. STURGEONS	*	*	*	*	20	7	*	28
05. PACIFIC HERRING	74	0	*	*	*	*	*	74
06. NORTHERN ANCHOVY	3	*	*	305	*	*	*	305
07. SURF SMELT	6	0	*	3,005	*	*	*	3,011
08. SMELTS, OTHER	*	*	*	12	*	*	*	12
10. PACIFIC TOMCOD	*	0	*	0	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	2	39	*	41
13. SILVERSIDES	0	*	*	*	5	*	*	0
14. JACKSMELT	285	1	*	45	5	0	*	337
15. BLACK ROCKFISH	0	1	*	9	469	38	3	519
16. BLUE ROCKFISH	0	0	*	2	413	563	7	986
17. BROWN ROCKFISH	14	1	*	3	193	85	*	296
18. BOCCACCIO	139	1	*	0	3	51	*	194
19. CANARY ROCKFISH	*	*	*	2	75	66	*	142
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	28	0	227
21. COPPER ROCKFISH	*	0	*	1	40	46	0	87
22. GOPHER ROCKFISH	*	0	*	*	190	36	0	225
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	55	*	57
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	40	*	40
25. OLIVE ROCKFISH	0	*	*	0	107	22	1	131
26. GULLBACK ROCKFISH	*	*	*	*	7	2	*	9
27. ROSY ROCKFISH	*	*	*	0	29	82	*	95
28. STARRY ROCKFISH	*	*	*	*	8	29	*	37
29. VERMILION ROCKFISH	*	*	*	*	37	19	*	56
30. WIDOW ROCKFISH	*	*	*	*	2	74	*	76
31. YELLOWTAIL ROCKFISH	*	*	*	*	92	316	*	408
33. ROCKFISHES, OTHER	8	3	*	6	193	111	5	325
34. KELP GREENLING	*	3	*	9	22	2	2	37
35. LINGCOD	1	0	*	2	62	20	7	97
36. GREENLINGS, OTHER	*	0	*	7	*	0	0	8
37. SABLEFISH	*	*	*	*	0	8	*	8
38. CABEZON	*	1	*	6	20	1	7	35
39. PAC. STAGHORN SCULPIN	73	0	*	30	16	1	*	120
40. SCULPINS, OTHER	1	1	*	1	0	*	*	3
41. BARRED SAND BASS	*	*	*	0	0	*	*	0
43. KELP BASS	*	2	*	0	1	*	1	3
44. STRIPED BASS	4	*	*	5	45	14	*	68
48. WHITE CROAKER	95	4	*	2	291	1	*	392
49. QUEENFISH	1	*	*	*	1	*	*	1
50. CROAKERS, OTHER	*	*	*	*	1	*	*	1
51. OPALEYE	*	*	*	0	*	*	*	0
52. HALIBOOT	*	*	*	*	*	*	0	0
53. BARRED SURFFERCH	11	1	*	95	4	*	*	111
54. BLACK PERCH	9	1	14	5	3	*	1	33
55. PILE PERCH	15	0	0	3	13	*	1	32
56. REDTAIL SURFFERCH	1	0	0	26	1	*	*	27
57. RUBBERLIP SEAPERCH	3	0	3	0	0	*	0	7
58. SHINER PERCH	77	*	*	3	*	*	*	80
59. SILVER SURFFERCH	8	0	1	17	1	*	*	28
60. STRIPED SEAPERCH	3	2	3	26	1	*	2	37
61. WALLEYE SURFFERCH	41	3	0	14	2	*	*	60
62. WHITE SEAPERCH	4	0	0	5	3	*	*	12
63. SURFFERCHES, OTHER	44	1	*	12	3	*	0	61
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	0	*	*	0	9	0	*	10
67. PACIFIC MACKEREL	52	8	*	24	341	122	*	548
68. TUNAS	*	*	*	*	*	13	*	13
69. STARRY FLOUNDER	13	1	*	2	23	20	*	60
70. CALIFORNIA HALIBUT	0	0	*	0	8	2	0	11
71. PACIFIC SANDDAB	10	0	*	*	69	55	*	134
72. ROCK SOLE	*	0	*	*	3	1	*	4
73. FLATFISHES, OTHER	3	0	0	1	12	5	*	21
74. SALMONIDS	2	0	*	4	9	2	*	17
75. OTHER FISH	24	6	*	26	48	3	2	107
TOTAL	1,027	42	22	3,715	2,932	2,162	0	9,940

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1984---DEC 1984.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	0	*	*	*	*	*	*	*	0
05. PACIFIC HERRING	8	0	*	*	*	*	*	*	8
06. NORTHERN ANCHOVY	1	*	*	*	*	*	*	*	1
07. SURF SMELT	*	0	*	1,812	*	*	*	*	1,812
08. SMELTS, OTHER	*	*	*	3	*	*	*	*	3
10. PACIFIC TOMCOD	*	0	*	0	*	*	*	*	0
13. SILVERSIDES	0	*	*	*	*	*	*	*	0
14. JACKSMELT	0	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	0	1	*	6	320	*	*	0	327
16. BLUE ROCKFISH	*	0	*	0	25	*	*	*	25
17. BROWN ROCKFISH	*	0	*	*	1	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	21	*	*	*	21
21. COPPER ROCKFISH	*	0	*	*	9	*	*	*	9
26. GULLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	5	*	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	5	*	*	*	5
30. WIDOW ROCKFISH	*	*	*	*	5	*	*	*	5
31. YELLOWTAIL ROCKFISH	*	*	*	*	5	*	*	*	5
33. ROCKFISHES, OTHER	*	1	*	1	12	*	*	*	14
34. KELP GREENLING	*	2	*	3	13	*	*	0	18
35. LINGCOD	*	0	*	0	8	*	*	*	8
36. GREENLINGS, OTHER	*	0	*	2	1	*	*	0	3
38. CABEZON	*	1	*	1	4	*	*	*	15
39. PAC. STAGHORN SCULPIN	1	*	*	0	*	*	*	*	1
40. SCULPINS, OTHER	*	0	*	*	0	*	*	*	0
55. PILE PERCH	0	0	0	0	0	*	*	*	0
56. REDTAIL SURPPERCH	0	0	0	20	1	*	*	*	21
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURPPERCH	0	0	1	4	0	*	*	*	5
60. STRIPED SEAPERCH	0	1	0	13	0	*	*	0	15
61. WALLEYE SURPPERCH	2	0	0	0	*	*	*	*	2
62. WHITE SEAPERCH	0	0	0	1	1	*	*	*	2
63. SURPPERCHES, OTHER	*	*	*	2	*	*	*	*	2
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	*	0	0	0	*	*	*	1
74. SALMONIDS	*	0	*	1	6	*	*	*	8
75. OTHER FISH	*	0	*	1	*	*	*	*	1
TOTAL	14	7	2	1,870	483	0	0	0	2,377

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
05. PACIFIC HERRING	65	*	*	*	*	*	*	*	65
07. SURF SMELT	6	*	*	1,017	*	*	*	*	1,023
08. SMELTS, OTHER	*	*	*	9	*	*	*	*	9
14. JACKSMELT	*	*	*	1	*	*	*	*	1
15. BLACK ROCKFISH	*	0	*	3	*	*	*	3	6
16. BLUE ROCKFISH	*	*	*	2	*	*	*	4	12
17. BROWN ROCKFISH	*	*	*	1	*	*	*	0	1
19. CANARY ROCKFISH	*	*	*	2	*	*	*	0	2
21. COPPER ROCKFISH	*	0	*	1	*	*	*	0	1
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	*	0
25. OLIVE ROCKFISH	*	*	*	0	*	*	*	*	0
27. ROSY ROCKFISH	*	*	*	0	*	*	*	*	0
33. ROCKFISHES, OTHER	*	*	*	2	*	*	*	0	2
34. KELP GREENLING	*	0	*	6	*	*	*	1	7
35. LINGCOD	*	0	*	1	*	*	*	2	3
36. GREENLINGS, OTHER	*	0	*	5	*	*	*	*	5
38. CABEZON	*	0	*	3	*	*	*	3	6
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	1	*	1	*	*	*	*	2
55. PILE PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	0	0	*	3	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	0	0
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	1	*	*	*	*	1
60. STRIPED SEAPERCH	*	1	*	12	*	*	*	2	14
62. WHITE SEAPERCH	*	0	*	2	*	*	*	*	2
63. SURFPERCHES, OTHER	*	0	*	3	*	*	*	0	3
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	*	0	*	1	*	*	*	*	1
75. OTHER FISH	*	0	*	1	*	*	*	2	3
TOTAL	72	2	0	1,077	0	0	0	18	1,169

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	1	*	*	1
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	30	*	*	*	30
16. BLUE ROCKFISH	*	*	*	*	22	48	*	*	70
18. BOCACCIO	*	*	*	*	*	10	*	*	10
19. CANARY ROCKFISH	*	*	*	*	15	24	*	*	39
21. COPPER ROCKFISH	*	*	*	*	4	0	*	*	4
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	12	*	*	12
25. OLIVE ROCKFISH	*	*	*	*	0	*	*	*	0
26. QUILLBACK ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	3	5	*	*	7
29. VERMILION ROCKFISH	*	*	*	*	3	0	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	2	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	5	43	*	*	48
33. ROCKFISHES, OTHER	*	*	*	*	17	6	*	*	22
34. KELP GREENLING	*	*	*	*	2	*	*	*	2
35. LINGCOD	*	*	*	*	14	1	*	*	15
36. GREENLING, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	*	2	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	0	0	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	122	177	0	0	299

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	9	34	*	*	43
16. BLUE ROCKFISH	*	*	*	*	8	1	*	*	10
17. BROWN ROCKFISH	*	*	*	*	3	5	*	*	8
18. BOCACCIO	*	*	*	*	*	5	*	*	5
19. CANARY ROCKFISH	*	*	*	*	7	3	*	*	9
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	4	3	*	*	7
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	1	*	*	2
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	1	*	*	2
28. STARRY ROCKFISH	*	*	*	*	*	3	*	*	3
29. VERMILION ROCKFISH	*	*	*	*	1	1	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	6	56	*	*	62
33. ROCKFISHES, OTHER	*	*	*	*	8	4	*	*	12
34. KELP GREENLING	*	*	*	*	1	1	*	*	2
35. LINGCOD	*	*	*	*	2	2	*	*	4
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
44. STRIPED BASS	*	*	*	*	0	*	*	*	0
54. BLACK PERCH	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	*	0	*	*	0
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	5	*	*	*	5
TOTAL	0	0	0	0	56	127	0	0	184

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	2	*	*	3	11	*	*	*	16
02. SPINY DOGFISH	*	*	*	*	2	*	*	*	2
03. SHARK, OTHER	*	*	*	0	15	*	*	*	15
04. STURGEONS	*	*	*	*	20	7	*	*	28
05. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
07. SURF SMELT	*	*	*	176	*	*	*	*	176
10. PACIFIC TONGOD	*	*	*	*	*	*	*	*	*
14. JACKSMELT	226	1	*	30	1	2	*	*	258
15. BLACK ROCKFISH	*	*	*	*	26	1	*	*	28
16. BLUE ROCKFISH	*	*	*	*	7	25	*	*	32
17. BROWN ROCKFISH	14	1	*	2	86	73	*	*	177
18. BOCCACCIO	*	*	*	*	*	9	*	*	9
19. CANARY ROCKFISH	*	*	*	*	6	20	*	*	26
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	9	*	*	9
21. COPPER ROCKFISH	*	*	*	*	1	19	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	4	*	*	5
26. GULLBACK ROCKFISH	*	*	*	*	*	1	*	*	1
27. ROSE ROCKFISH	*	*	*	*	*	7	*	*	7
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	80	*	*	80
33. ROCKFISHES, OTHER	*	2	*	*	13	23	*	*	39
34. KELP GREENLING	*	0	*	0	3	1	*	*	4
35. LINGCOD	0	*	*	*	1	6	*	*	7
36. GREENLINGS, OTHER	*	*	*	*	*	0	*	*	0
38. CABEZON	*	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	60	*	*	26	16	1	*	*	103
40. SCULPINS, OTHER	1	*	*	*	*	*	*	*	1
44. STRIPED BASS	4	*	*	4	44	14	*	*	66
48. WHITE CROAKER	73	4	*	0	31	0	*	*	109
53. BARRED SURFPERCH	2	1	*	10	4	*	*	*	17
54. BLACK PERCH	8	1	14	3	2	*	*	*	28
55. PILE PERCH	14	*	*	2	13	*	*	*	29
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	1	*	3	0	0	*	*	*	5
58. SHINER PERCH	42	*	*	3	*	*	*	*	45
59. SILVER SURFPERCH	4	*	*	2	1	*	*	*	7
60. STRIPED SEAPERCH	2	*	3	0	1	*	*	*	6
61. WALLEYE SURFPERCH	27	0	*	2	2	*	*	*	31
62. WHITE SEAPERCH	2	*	*	2	1	*	*	*	5
63. SURFPERCHES, OTHER	24	*	*	3	2	*	*	*	29
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	19	4	*	*	23
69. STARRY FLOUNDER	8	1	*	1	20	20	*	*	50
70. CALIFORNIA HALIBUT	*	0	*	0	2	2	*	*	5
71. PACIFIC SANDDAB	9	*	*	*	0	1	*	*	11
73. FLATFISHES, OTHER	1	*	*	*	2	2	*	*	4
74. SALMONIDS	2	*	*	2	1	2	*	*	7
75. OTHER FISH	16	5	*	23	34	0	*	*	79
TOTAL	544	16	20	299	390	545	0	0	1,814

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
04. STURGEONS	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	176	*	*	*	*	176
14. JACKSMELT	2	*	*	*	*	*	*	*	2
15. BLACK ROCKFISH	*	*	*	*	*	2	*	*	2
16. BLUE ROCKFISH	*	*	*	*	7	25	*	*	232
17. BROWN ROCKFISH	2	1	*	*	10	72	*	*	86
18. BOCACCI	*	*	*	*	*	9	*	*	9
19. CANARY ROCKFISH	*	*	*	*	6	20	*	*	25
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	9	*	*	9
21. COPPER ROCKFISH	*	*	*	*	1	19	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	*	0	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	1	4	*	*	5
26. QUILLBACK ROCKFISH	*	*	*	*	*	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	*	7	*	*	7
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	4	*	*	4
30. WIDOW ROCKFISH	*	*	*	*	*	6	*	*	6
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	80	*	*	80
33. ROCKFISHES, OTHER	*	2	*	*	12	25	*	*	38
34. KELP GREENLING	*	0	*	0	3	1	*	*	4
35. LINGCOD	*	*	*	*	1	6	*	*	6
36. GREENLINGS, OTHER	*	*	*	*	*	0	*	*	0
38. CABEZON	*	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	4	*	*	*	*	*	*	*	4
44. STRIPED BASS	*	*	*	1	6	0	*	*	7
48. WHITE CROAKER	20	2	*	0	*	0	*	*	23
53. BARRED SURFPERCH	1	*	*	10	*	*	*	*	11
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	*	1	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	2	*	*	*	*	*	*	*	2
59. SILVER SURFPERCH	1	*	*	2	*	*	*	*	2
60. STRIPED SEAPERCH	0	*	*	*	1	*	*	*	1
61. WALLEYE SURFPERCH	3	0	*	1	*	*	*	*	5
62. WHITE SEAPERCH	1	*	*	1	*	*	*	*	2
65. SURFPERCHES, OTHER	4	*	*	1	*	*	*	*	5
67. PACIFIC MACKEREL	*	*	*	*	1	4	*	*	5
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
70. CALIFORNIA HALIBUT	*	0	*	0	*	1	*	*	2
71. PACIFIC SANDDAB	1	*	*	*	0	1	*	*	2
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
74. SALMONIDS	2	*	*	2	1	1	*	*	6
75. OTHER FISH	*	*	*	1	1	0	*	*	2
TOTAL	43	6	0	200	52	498	0	0	799

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	2	*	*	3	11	*	*	*	16
02. SPINY DOGFISH	*	*	*	*	2	*	*	*	2
03. SHARK, OTHER	*	*	*	0	15	*	*	*	15
04. STURGEONS	*	*	*	*	20	7	*	*	28
06. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
14. JACKSMELT	24	1	*	30	1	*	*	*	25
15. BLACK ROCKFISH	*	*	*	*	26	*	*	*	26
17. BROWN ROCKFISH	12	*	*	2	76	1	*	*	90
33. ROCKFISHES, OTHER	*	*	*	*	1	*	*	*	1
35. LINGCOD	0	*	*	*	0	*	*	*	1
38. CABEZON	*	*	*	0	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	56	*	*	26	16	1	*	*	99
40. SCULPINS, OTHER	1	*	*	*	*	*	*	*	1
44. STRIPED BASS	4	*	*	3	38	14	*	*	59
48. WHITE CRONKER	53	2	*	*	31	*	*	*	86
53. BARRED SURFPERCH	1	1	*	*	4	*	*	*	6
54. BLACK PERCH	8	1	14	3	2	*	*	*	28
55. PILE PERCH	14	*	*	2	12	*	*	*	29
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	3	0	0	*	*	*	5
58. SHINER PERCH	40	*	*	3	*	*	*	*	43
59. SILVER SURFPERCH	3	*	*	*	1	*	*	*	5
60. STRIPED SEAPERCH	2	*	3	0	*	*	*	*	5
61. WALLEYE SURFPERCH	24	*	*	1	2	*	*	*	27
62. WHITE SEAPERCH	1	*	*	1	1	*	*	*	2
63. SURFPERCHES, OTHER	20	*	*	1	2	*	*	*	23
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	17	*	*	*	17
69. STARRY FLOUNDER	8	1	*	1	20	20	*	*	50
70. CALIFORNIA HALIBUT	*	*	*	*	2	1	*	*	3
71. PACIFIC SANDDAB	9	*	*	*	*	*	*	*	9
73. FLATFISHES, OTHER	1	*	*	*	1	2	*	*	4
74. SALMONIDS	0	*	*	*	*	1	*	*	2
75. OTHER FISH	16	5	*	22	34	*	*	*	77
TOTAL	502	10	20	99	337	47	0	0	1,016

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1984--DEC 1984.

GROUP	PIER & DOCK BREAKWATER	JETTY & BEACH	BRIDGE & BEACH CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	0	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	*	*	1
03. SHARK, OTHER	*	*	*	*	1	*	*	1
06. NORTHERN ANCHOVY	*	*	*	303	*	*	*	303
12. PACIFIC HAKE	*	*	*	*	2	39	*	41
14. JACKSMELT	40	0	*	14	1	0	*	55
15. BLACK ROCKFISH	*	*	*	*	14	0	*	14
16. BLUE ROCKFISH	0	*	*	*	185	214	0	401
17. BROWN ROCKFISH	*	*	*	*	78	4	*	81
18. BOCCACCIO	60	*	*	0	1	25	*	86
19. CANARY ROCKFISH	*	*	*	*	15	14	*	29
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	217	*	217
21. COPPER ROCKFISH	*	*	*	*	7	19	*	26
22. GOPHER ROCKFISH	*	*	*	*	55	1	0	57
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	22	*	23
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	27	*	28
25. OLIVE ROCKFISH	*	*	*	*	28	12	1	40
26. GULLBACK ROCKFISH	*	*	*	*	1	1	*	1
27. ROSY ROCKFISH	*	*	*	*	15	26	*	42
28. STARRY ROCKFISH	*	*	*	*	5	14	*	19
29. VERMILION ROCKFISH	*	*	*	*	9	5	*	14
30. WIDOW ROCKFISH	*	*	*	*	1	37	*	38
31. YELLOWTAIL ROCKFISH	*	*	*	*	27	88	*	115
33. ROCKFISHES, OTHER	8	*	*	1	67	52	4	133
34. KELP GREENLING	*	*	*	*	1	*	1	2
35. LINGCOD	*	*	*	0	13	14	6	33
36. GREENLINGS, OTHER	*	*	*	*	*	*	0	0
37. SABLEFISH	*	*	*	0	0	8	*	8
38. CABEZON	*	0	*	0	2	*	4	7
39. PAC. STAGHORN SCULPIN	8	0	*	4	*	*	*	12
43. KELP BASS	*	*	*	*	0	*	*	1
44. STRIPED BASS	*	*	*	2	*	*	*	2
48. WHITE CROAKER	7	*	*	1	230	*	*	238
52. HALIBOOT	*	*	*	*	*	*	0	0
53. BARRED SURFPERCH	4	0	*	74	*	*	*	79
54. BLACK PERCH	1	0	*	1	0	*	1	3
55. PILE PERCH	1	*	*	0	*	*	1	2
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	0
57. RUBBERLIP SEAPERCH	2	0	*	*	*	*	0	2
58. SHINER PERCH	14	*	*	0	*	*	*	14
59. SILVER SURFPERCH	0	*	*	5	*	*	*	6
60. STRIPED SEAPERCH	1	*	*	0	0	*	0	2
61. WALLEYE SURFPERCH	9	3	*	7	0	*	*	19
62. WHITE SEAPERCH	1	0	*	0	1	*	*	3
63. SURFPERCHES, OTHER	12	1	*	4	*	*	0	18
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	*	*	*	*	0	0	*	0
67. PACIFIC MACKEREL	21	8	*	24	198	85	*	337
68. TUNAS	*	*	*	*	*	11	*	11
69. STARRY FLOUNDER	2	*	*	1	2	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	0	1
71. PACIFIC SANDDAB	0	*	*	*	64	54	*	118
72. ROCK SOLE	*	*	*	*	3	1	*	4
73. FLATFISHES, OTHER	2	*	*	1	2	3	*	7
74. SALMONIDS	*	*	*	*	0	*	*	0
75. OTHER FISH	7	*	*	0	4	2	*	13
TOTAL	201	13	0	445	1,033	996	0	2,710

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	*	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	*	0	*	*	0
14. JACKSMELT	19	1	*	0	3	0	*	*	24
15. BLACK ROCKFISH	*	*	*	*	70	2	*	*	72
16. BLUE ROCKFISH	*	*	*	*	169	76	*	*	245
17. BROWN ROCKFISH	*	*	*	*	24	3	*	*	28
18. BOCACCIO	79	1	*	*	2	1	*	*	83
19. CANARY ROCKFISH	*	*	*	*	11	6	*	*	17
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	16	4	*	*	20
22. GOPHER ROCKFISH	*	*	*	*	134	34	*	*	168
23. GREENSPOTTED ROCKFISH	*	*	*	*	1	5	*	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	0	*	*	*	77	6	*	*	83
27. ROSY ROCKFISH	*	*	*	*	9	24	*	*	33
28. STARRY ROCKFISH	*	*	*	*	4	11	*	*	14
29. VERMILION ROCKFISH	*	*	*	*	22	9	*	*	30
30. WIDOW ROCKFISH	*	*	*	*	1	23	*	*	24
31. YELLOWTAIL ROCKFISH	*	*	*	*	30	49	*	*	79
33. ROCKFISHES, OTHER	*	*	*	1	75	26	*	*	102
34. KELP GREENLING	*	*	*	*	3	1	*	*	4
35. LINGCOD	0	*	*	*	6	1	*	*	7
38. CABEZON	*	*	*	1	3	1	*	*	4
39. PAC. STAGHORN SCULPIN	5	*	*	*	*	*	*	*	5
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	0
41. BARRED SAND BASS	*	*	*	0	0	*	*	*	0
43. KELP BASS	*	*	*	0	1	*	*	*	2
48. WHITE CRONKER	14	2	*	*	30	0	*	*	44
49. QUEENFISH	1	*	*	*	*	*	*	*	1
50. CRONKERS, OTHER	*	*	*	*	1	*	*	*	1
51. OPALEYE	*	*	*	0	*	*	*	*	0
53. BARRED SURFFERCH	5	*	*	10	*	*	*	*	15
54. BLACK PERCH	0	*	*	1	*	*	*	*	1
55. PILE PERCH	*	*	*	0	*	*	*	*	0
56. REDTAIL SURFFERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	19	*	*	0	*	*	*	*	19
59. SILVER SURFFERCH	4	*	*	5	*	*	*	*	10
60. STRIPED SEAPERCH	0	*	*	0	*	*	*	*	0
61. WALLEYE SURFFERCH	4	*	*	4	*	*	*	*	8
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFFERCHES, OTHER	8	*	*	1	1	*	*	*	9
65. PACIFIC BARAOLDA	*	*	*	*	*	*	*	*	*
66. PACIFIC BONITO	0	*	*	0	8	*	*	*	9
67. PACIFIC MACKEREL	31	*	*	*	124	33	*	*	188
68. TUNAS	*	*	*	*	*	1	*	*	1
69. STARRY FLOUNDER	3	*	*	*	1	0	*	*	4
70. CALIFORNIA HALIBUT	0	*	*	*	5	*	*	*	6
71. PACIFIC SANDDAB	*	*	*	*	0	0	*	*	0
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	0	*	*	*	8	*	*	*	8
74. SALMONIDS	*	*	*	0	1	*	*	*	1
75. OTHER FISH	1	*	*	0	5	*	*	*	6
TOTAL	195	3	0	25	847	317	0	0	1,387

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	0	0	100	10	3	26	0	0	76	0	0	100	11	3	25
02. SPINY DOGFISH	*	*	*	1	*	*	0	0	100	1	1	66	0	0	99	2	1	48
03. SHARK, OTHER	0	0	56	1	1	100	5	2	45	1	0	55	*	*	*	6	2	36
04. STURGEONS	*	*	*	*	*	*	28	8	28	*	*	*	*	*	*	28	8	28
05. PACIFIC HERRING	8	13	155	64	80	125	*	*	*	*	*	*	*	*	*	72	81	113
06. NORTHERN ANCHOVY	*	*	*	*	*	*	2	1	72	39	38	99	*	*	*	41	38	95
07. SURF SMELT	1,812	2815	155	906	2148	237	176	92	52	*	*	*	*	*	2,894	3542	122	
08. SMELTS, OTHER	0	0	100	9	9	100	*	*	*	*	*	*	*	*	12	9	79	
10. PACIFIC TONGOD	3	0	71	*	*	*	*	*	*	*	*	*	*	*	0	0	71	
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	37	14	38	0	0	227	37	14	38
13. SILVERSIDES	0	0	100	*	*	*	*	*	*	*	*	*	*	*	0	0	100	
14. JACKSMELT	0	0	252	1	1	125	163	66	41	36	22	63	17	17	204	216	72	33
15. BLACK ROCKFISH	313	353	113	79	31	39	28	14	53	13	4	39	72	146	204	504	384	76
16. BLUE ROCKFISH	23	20	88	84	44	53	121	100	83	372	88	223	299	280	121	839	321	38
17. BROWN ROCKFISH	1	2	118	9	3	32	133	37	28	81	0	31	26	205	66	250	48	19
18. BOCACIO	*	*	*	15	8	54	9	4	46	79	38	48	58	17	113	161	76	47
19. CANARY ROCKFISH	21	19	89	48	21	44	17	9	52	27	7	24	17	15	87	131	34	26
20. CHILIPEPPER ROCKFISH	*	*	*	0	0	100	20	*	*	205	75	37	1	1	110	204	75	36
21. COPPER ROCKFISH	8	9	112	11	4	37	*	10	49	26	9	34	20	17	83	86	24	28
22. GOPHER ROCKFISH	*	*	*	0	0	72	0	0	100	56	17	30	164	205	124	221	205	98
23. GREENSPOTTED ROCKFISH	*	*	*	27	20	76	0	0	100	22	7	32	6	1	117	55	23	41
24. GREENSTRIPED ROCKFISH	*	*	*	12	9	77	*	*	*	27	12	44	1	1	115	46	15	38
25. OLIVE ROCKFISH	*	*	*	2	1	37	4	3	69	40	14	34	82	110	134	128	111	86
26. QUILLBACK ROCKFISH	5	6	105	1	1	55	1	1	73	1	1	46	*	*	*	9	6	66
27. RUBY ROCKFISH	2	2	86	9	4	47	1	7	3	39	1	24	33	21	63	91	23	26
28. STARRY ROCKFISH	*	*	*	3	1	39	1	1	73	19	5	27	14	9	60	37	10	27
29. VERMILION ROCKFISH	3	4	121	5	2	42	2	2	87	14	4	27	20	24	94	35	28	33
30. WIDOW ROCKFISH	0	0	100	3	3	32	6	3	59	37	14	39	20	24	94	76	28	37
31. YELLOWTAIL ROCKFISH	25	32	128	109	34	31	80	43	54	99	26	39	77	61	78	391	91	23
33. ROCKFISHES, OTHER	12	8	66	24	8	32	8	3	40	74	12	16	84	45	54	202	48	24
34. KELP GREENLING	16	14	89	11	5	49	4	2	62	2	1	54	3	4	150	35	16	45
35. LINGCOD	25	25	98	21	13	60	4	2	43	31	7	23	7	3	69	29	29	61
36. GREENLINGS, OTHER	1	1	80	3	2	80	*	*	*	*	*	*	*	*	*	4	4	61
37. SABLEFISH	*	*	*	*	*	*	*	*	*	8	4	55	*	*	*	8	4	55
38. CABEZON	14	11	75	8	3	42	1	1	64	7	3	41	4	2	62	34	12	35
39. PAC. STAGHORN SCULPIN	1	1	139	*	*	*	5	4	82	5	3	58	0	0	101	12	5	46
40. SCULPINS, OTHER	0	0	55	2	2	72	1	1	100	*	*	*	*	*	*	0	0	60
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0	77
43. KELP BASS	*	*	*	*	*	*	*	*	*	1	1	72	2	2	74	3	0	57
44. STRIPED BASS	*	*	*	0	0	100	61	11	18	2	1	66	*	*	*	63	11	18
48. WHITE CROKER	*	*	*	*	*	*	81	21	26	228	136	60	11	6	52	320	138	43
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
51. OPAL EYE	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
52. HALIBUT	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
53. BARRED SURFPERCH	*	*	*	*	*	*	17	7	40	77	34	44	10	6	63	104	35	34
54. BLACK PERCH	*	*	*	1	1	100	27	15	56	3	1	50	1	1	59	15	12	48
55. PILE PERCH	1	0	48	0	0	100	29	12	40	29	2	21	*	*	*	15	15	37
56. REDTAIL SURFPERCH	19	13	69	3	1	48	66	40	67	0	0	107	1	1	100	20	13	35
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	5	3	47	2	2	116	0	0	100	7	4	57
58. SHINER PERCH	0	0	207	0	0	119	40	14	35	14	8	57	10	15	150	66	22	34
59. SILVER SURFPERCH	4	6	136	0	0	100	7	2	2	6	3	45	4	4	45	7	7	34
60. STRIPED SEAPERCH	12	15	127	13	8	58	6	3	55	2	1	51	0	0	100	17	17	50
61. HALLIEY SURFPERCH	2	2	118	2	*	*	31	12	40	17	5	47	0	4	40	37	14	27
62. WHITE SEAPERCH	2	1	59	2	1	71	4	2	47	3	1	47	0	0	100	11	3	27
63. SURFPERCHES, OTHER	1	2	172	2	1	40	10	4	41	2	1	63	1	1	59	16	5	30
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	0	0	100	*	*	*	0	0	100
67. PACIFIC MACKEREL	*	*	*	1	0	60	21	18	84	268	109	41	158	228	138	449	253	136
68. TUNAS	*	*	*	*	*	*	*	*	*	5	3	52	1	2	26	5	3	56
69. STARRY FLOUNDER	0	0	100	0	0	55	44	16	37	5	2	41	4	3	86	31	17	51
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	5	2	32	1	1	32	5	9	160	11	9	81
71. PACIFIC SANDDAB	*	*	*	4	3	80	10	7	62	67	21	32	0	0	93	82	22	27
72. ROCK SOLE	*	*	*	0	0	100	*	*	*	4	1	1	0	0	100	4	4	33
73. FLATFISHES, OTHER	0	0	84	0	0	82	2	1	61	4	1	1	8	8	80	14	8	56
74. SALMONIDS	8	8	113	1	0	62	5	3	48	0	0	76	1	2	136	15	9	60
75. OTHER FISH	1	1	123	0	0	49	29	15	51	12	3	25	5	5	101	46	16	34
TOTAL	2,347	2837	121	1,499	2150	143	1,271	170	13	2,120	225	11	1,220	474	39	8,457	3603	43

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	SAN FRANCISCO OCEAN	BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	*	*	0	60	0	1	61
02. SPINY DOGFISH	0	*	*	1	*	5	6
03. SHARK, OTHER	0	*	1	128	5	1	135
04. STURGEONS	*	*	0	29	*	*	29
05. NORTHERN ANCHOVY	0	*	7	*	5	*	13
10. PACIFIC TONGOD	*	*	*	1	*	*	1
12. PACIFIC HAKE	*	0	*	*	3	*	3
14. JACKSMELT	1	0	4	35	6	11	58
15. BLACK ROCKFISH	35	*	*	4	*	*	40
16. BLUE ROCKFISH	0	5	16	*	92	15	128
17. BROWN ROCKFISH	0	*	*	15	15	0	31
18. BOCACCIO	*	*	*	*	38	29	67
19. CANARY ROCKFISH	*	*	*	*	1	*	1
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	0	1
21. COPPER ROCKFISH	0	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	1	1	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	2	0	2
27. ROSY ROCKFISH	0	*	*	*	7	0	8
29. VERMILION ROCKFISH	2	*	*	*	*	*	2
31. YELLOWTAIL ROCKFISH	1	*	*	*	2	1	4
33. ROCKFISHES, OTHER	1	12	13	58	172	78	333
34. KELP GREENLING	6	0	*	*	0	*	6
35. LINGCOD	1	2	2	1	5	25	37
36. GREENLING, OTHER	0	0	*	*	1	*	1
38. CABEZON	0	*	1	*	0	6	9
39. PAC. STAGHORN SCULPIN	9	1	15	648	188	43	903
40. SCULPINS, OTHER	2	0	*	11	*	1	13
43. KELP BASS	*	*	*	*	*	8	8
44. STRIPED BASS	*	0	0	48	0	*	49
48. WHITE CROAKER	*	*	8	45	76	32	160
53. BARRED SURFPERCH	*	*	1	*	18	3	21
54. BLACK PERCH	*	*	*	1	*	*	1
55. PILE PERCH	*	*	*	1	*	*	1
56. REDTAIL SURFPERCH	2	1	0	*	*	*	3
58. SHINER PERCH	0	0	12	16	8	3	40
59. SILVER SURFPERCH	1	*	*	*	0	2	4
60. STRIPED SEAPERCH	3	0	*	1	*	*	4
61. WALLEYE SURFPERCH	3	*	*	*	3	0	6
62. WHITE SEAPERCH	0	*	0	*	*	*	1
63. SURFPERCHES, OTHER	0	1	21	45	46	15	128
65. PACIFIC BARRAQUA	*	*	*	*	0	0	0
66. PACIFIC BONITO	*	*	*	*	*	0	0
67. PACIFIC MACKEREL	*	3	*	*	87	96	186
69. STARRY FLOUNDER	*	*	1	18	*	0	19
70. CALIFORNIA HALIBUT	*	*	*	0	*	14	14
71. PACIFIC SANDDAB	*	*	*	*	9	0	9
73. FLATFISHES, OTHER	0	1	1	4	4	*	9
74. SALMONIDS	3	0	1	*	*	1	5
75. OTHER FISH	1	0	10	109	33	36	189
TOTAL	73	28	113	1,282	830	428	2,753

TABLE 27. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	6	3	0	22	42	*	*	73
MENDOCINO/SONOMA (NON-BOAT MODES)	1	1	*	4	*	*	0	5
MENDOCINO (BOAT MODES)	*	*	*	*	5	0	*	5
SONOMA (BOAT MODES)	*	*	*	*	8	9	*	18
SAN FRANCISCO	568	9	7	89	568	155	0	1,395
SANTA CRUZ/MONTEREY	192	104	*	62	313	158	1	830
SAN LUIS OBISPO	132	17	*	7	218	54	*	428
TOTAL	898	133	7	183	1,154	376	0	2,753

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	3	*	*	1	57	0	*	*	61
02. SPINY DOGFISH	1	0	*	*	5	0	*	*	6
03. SHARK, OTHER	2	0	*	1	129	3	*	*	135
04. STURGEONS	*	0	*	0	17	12	*	*	29
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	6	2	*	4	*	*	*	*	13
07. SURF SMELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	1	*	*	1
12. PACIFIC HAKE	*	*	*	*	0	3	*	*	3
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	33	2	*	13	10	*	*	*	58
15. BLACK ROCKFISH	*	1	*	2	37	*	*	*	60
16. BLUE ROCKFISH	*	0	*	*	66	62	*	*	128
17. BROWN ROCKFISH	6	0	6	1	18	0	*	*	31
18. BOCACCIO	61	*	*	0	5	*	*	*	67
19. CANARY ROCKFISH	*	*	*	*	1	*	*	*	1
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	0	*	*	*	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	2	0	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	2	*	*	*	2
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	1	6	*	*	8
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	2	*	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	4
31. YELLOWTAIL ROCKFISH	*	*	*	*	3	2	*	*	4
33. ROCKFISHES, OTHER	20	0	*	4	195	115	*	0	333
34. KELP GREENLING	0	1	*	4	1	*	*	*	6
35. LINGCOD	24	0	*	0	9	4	*	0	37
36. GREENLINGS, OTHER	*	0	*	0	0	*	*	1	1
37. SABLEFISH	*	*	*	*	*	*	*	*	*
38. CABEZON	0	7	*	1	0	*	*	*	9
39. PAC. STAGHORN SCULPIN	483	104	1	59	191	65	*	*	903
40. SCULPINS, OTHER	9	1	*	2	2	*	*	*	13
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	8
43. KELP BASS	2	6	*	0	*	13	*	*	8
44. STRIPED BASS	4	1	*	5	26	13	*	*	49
48. WHITE CROAKER	44	1	*	2	110	2	*	*	160
49. QUEENFISH	*	*	*	*	*	*	*	*	*
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
51. OPALEYE	*	*	*	*	*	*	*	*	*
52. HALIBOOT	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	1	*	*	20	*	*	*	*	21
54. BLACK PERCH	*	*	*	1	*	*	*	*	1
55. PILE PERCH	1	*	*	*	*	*	*	*	1
56. REDTAIL SURFPERCH	*	0	*	2	0	*	*	*	3
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	37	1	*	3	*	*	*	*	40
59. SILVER SURFPERCH	1	0	0	2	*	*	*	*	4
60. STRIPED SEAPERCH	0	0	*	4	0	*	*	*	4
61. WALLEYE SURFPERCH	1	0	*	5	0	*	*	*	6
62. WHITE SEAPERCH	1	*	*	0	*	*	*	*	1
63. SURFPERCHES, OTHER	81	3	*	31	13	*	*	*	128
65. PACIFIC BARRACUDA	*	*	*	0	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	13	1	*	2	112	59	*	*	186
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	1	10	8	*	*	19
70. CALIFORNIA HALIBUT	2	*	*	*	12	0	*	*	14
71. PACIFIC SANDDAB	1	*	*	*	9	*	*	*	9
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	3	1	*	0	2	4	*	*	9
74. SALMONIDS	*	*	*	2	3	*	*	*	5
75. OTHER FISH	55	1	*	10	105	17	*	*	189
TOTAL	898	133	7	183	1,154	376	0	1	2,753

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1984---DEC 1984.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	0	*	*	*	*	*	*	0
03. SHARK, OTHER	0	0	*	*	*	*	*	*	0
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	0	*	*	*	*	*	*	*	0
07. SURF SNELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TONGOD	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	*	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	*	1	*	2	35	*	*	*	36
16. BLUE ROCKFISH	*	0	*	0	0	*	*	*	0
17. BROWN ROCKFISH	*	0	*	0	*	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	0	*	*	*	*	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	0	*	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	2	*	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	*	*	*	1
33. ROCKFISHES, OTHER	*	0	*	1	0	*	*	*	1
34. KELP GREENLING	0	1	*	4	1	*	*	*	6
35. LINGCOD	*	0	*	*	1	*	*	*	1
36. GREENLINGS, OTHER	*	0	*	*	*	*	*	*	0
38. CABEZON	*	0	*	0	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	4	0	*	4	0	*	*	*	9
40. SCULPINS, OTHER	0	0	*	1	*	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	0	*	1	0	*	*	*	1
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	0	0	1	*	*	*	*	1
60. STRIPED SEAPERCH	0	0	*	2	*	*	*	*	2
61. WALLEYE SURFPERCH	0	*	*	3	0	*	*	*	3
62. WHITE SEAPERCH	0	*	*	0	*	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	0	*	*	*	*	0
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	0	*	*	0	*	*	*	*	0
74. SALMONIDS	*	*	*	0	3	*	*	*	3
75. OTHER FISH	*	0	*	1	*	*	*	*	1
TOTAL	6	3	0	22	42	0	0	0	73

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	*	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	0	*	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	0	*	*	*	0	0
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGOOD	*	0	*	*	*	*	*	0	0
36. GREENLINGS, OTHER	*	*	*	0	*	*	*	*	0
38. CABEZON	*	*	*	*	*	*	*	*	*
39. PAC. STAGHORN SCULPIN	0	*	*	*	*	*	*	*	0
40. SCULPINS, OTHER	*	0	*	*	*	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	0	*	0	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	*	0	*	1	*	*	*	*	1
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	*	*	*	0	*	*	*	*	0
75. OTHER FISH	*	0	*	0	*	*	*	*	0
TOTAL	1	1	0	4	0	0	0	0	5

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	2	*	*	*	2
34. KELP GREENLING	*	*	*	*	0	*	*	*	0
35. LINGCOD	*	*	*	*	1	*	*	*	1
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	5	0	0	0	5

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	5	*	*	*	5
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	2	8	*	*	10
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	0	0	*	*	1
39. PAC. STAGHORN SCULPIN	*	*	*	*	0	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	0	*	*	*	0
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	0	1	*	*	1
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	8	9	0	0	18

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	3	*	*	1	56	0	*	*	61
02. SPINY DOGFISH	1	*	*	*	0	*	*	*	1
03. SHARK, OTHER	1	0	*	1	126	0	*	*	129
04. STURGEONS	*	0	*	0	17	12	*	*	29
06. NORTHERN ANCHOVY	5	*	*	2	*	*	*	*	7
07. SURF SMELT	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	1	*	*	1
14. JACKSMELT	29	1	*	9	1	*	*	*	39
15. BLACK ROCKFISH	*	*	*	*	4	*	*	*	4
16. BLUE ROCKFISH	*	*	*	*	*	16	*	*	16
17. BROWN ROCKFISH	4	*	6	1	4	*	*	*	15
18. BOCCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	19	*	*	3	32	17	*	*	71
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	0	*	*	*	1	2	*	*	4
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	0	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	377	2	1	36	181	65	*	*	663
40. SCULPINS, OTHER	9	*	*	*	2	*	*	*	11
44. STRIPED BASS	4	1	*	5	26	13	*	*	48
48. WHITE CROAKER	12	1	*	2	35	2	*	*	53
53. BARRED SURFPERCH	*	*	*	1	*	*	*	*	1
54. BLACK PERCH	*	*	*	1	*	*	*	*	1
55. PILE PERCH	1	*	*	*	*	*	*	*	1
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	25	1	*	3	*	*	*	*	28
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	1	*	*	*	*	1
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	40	2	*	12	13	*	*	*	66
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	1	10	8	*	*	19
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	*	*	*	1	4	*	*	5
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	36	1	*	8	58	16	*	*	119
TOTAL	568	9	7	89	568	155	0	0	1,395

TABLE 34. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	*	0	*	*	0	*	*	*	1
04. STURGEONS	*	0	*	*	*	*	*	*	0
06. NORTHERN ANCHOVY	5	*	*	2	*	*	*	*	7
07. SURF SMELT	*	*	*	*	*	*	*	*	*
14. JACKSMELT	4	*	*	*	*	*	*	*	4
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	16	*	*	16
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	1	*	*	*	1	11	*	*	13
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	1	2	*	*	2
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	0	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	13	1	*	1	0	*	*	*	15
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	4	1	*	2	*	*	*	*	8
53. BARRED SURFPERCH	*	*	*	1	*	*	*	*	1
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
58. SWINER PERCH	12	*	*	*	*	*	*	*	12
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	0	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	11	*	*	10	1	*	*	*	21
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	1	*	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	1	*	*	*	*	*	*	*	1
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	*	0	*	*	3	7	*	*	10
TOTAL	52	3	0	18	6	36	0	0	113

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	3	*	*	1	56	0	*	*	60
02. SPINY DOGFISH	1	*	*	*	0	*	*	*	1
03. SHARK, OTHER	1	*	*	1	126	0	*	*	128
04. STURGEONS	*	*	*	0	17	12	*	*	29
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	1	*	*	1
14. JACKSMELT	25	1	*	9	1	*	*	*	35
15. BLACK ROCKFISH	*	*	*	*	4	*	*	*	4
17. BROWN ROCKFISH	4	*	6	1	4	*	*	*	15
33. ROCKFISHES, OTHER	18	*	*	3	31	6	*	*	58
35. LINGCOD	0	*	*	*	1	*	*	*	1
38. CABEZON	*	*	*	*	*	*	*	*	*
39. PAC. STAGHORN SCULPIN	364	2	1	36	181	65	*	*	648
40. SCULPINS, OTHER	9	*	*	*	2	*	*	*	11
44. STRIPED BASS	4	1	*	5	26	13	*	*	48
48. WHITE CROAKER	8	*	*	*	35	2	*	*	45
53. BARRED SURFFERCH	*	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	1	*	*	*	*	1
55. PILE PERCH	1	*	*	*	*	*	*	*	1
56. REDTAIL SURFFERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	13	1	*	3	*	*	*	*	16
59. SILVER SURFFERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	1	*	*	*	*	1
61. WALLEYE SURFFERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFFERCHES, OTHER	29	2	*	2	12	*	*	*	45
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	0	10	8	*	*	18
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	1	4	*	*	4
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	36	0	*	8	55	10	*	*	109
TOTAL	516	6	7	71	563	119	0	0	1,282

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
03. SHARK, OTHER	0	*	*	*	2	3	*	*	5
06. NORTHERN ANCHOVY	1	2	*	2	*	*	*	*	5
12. PACIFIC HAKE	*	*	*	*	*	3	*	*	3
14. JACKSMELT	1	1	*	3	1	*	*	*	6
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	50	43	*	*	92
17. BROWN ROCKFISH	2	*	*	*	13	*	*	*	15
18. BOCCACCIO	34	*	*	0	4	*	*	*	38
19. CANARY ROCKFISH	*	*	*	*	1	*	*	*	1
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	1	*	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	0	*	*	0
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	2	*	*	*	2
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	1	6	*	*	7
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	1	*	*	2
33. ROCKFISHES, OTHER	1	*	*	0	97	74	*	*	172
34. KELP GREENLING	*	*	*	*	0	*	*	*	0
35. LINGCOD	0	*	*	*	5	1	*	*	5
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	1	1
37. SABLEFISH	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	0	*	*	*	*	0
39. PAC. STAGHORN SOULPIN	64	98	*	18	8	*	*	*	188
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	22	*	*	*	54	*	*	*	76
52. HALIBUT	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	1	*	*	17	*	*	*	*	18
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	8	*	*	*	*	*	*	*	8
59. SILVER SURFPERCH	*	*	*	0	*	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	1	0	*	1	*	*	*	*	3
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	27	1	*	17	*	*	*	*	46
65. PACIFIC BARRACUDA	*	*	*	0	*	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	10	1	*	2	49	26	*	*	87
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	1	*	*	*	8	*	*	*	9
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	3	0	*	*	1	*	*	*	4
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	15	*	*	0	17	0	*	*	33
TOTAL	192	104	0	62	313	158	0	1	830

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	0	*	*	*	1
02. SPINY DOGFISH	*	*	*	*	4	0	*	*	5
03. SHARK, OTHER	*	*	*	*	1	0	*	*	1
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
14. JACKSMELT	3	*	*	*	0	8	*	*	11
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	11	4	*	*	15
17. BROWN ROCKFISH	*	*	*	*	*	0	*	*	0
18. BOCCACCIO	27	*	*	*	2	*	*	*	29
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	1	0	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	0	*	*	*	0
27. ROSY ROCKFISH	*	*	*	*	*	0	*	*	0
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	1	1	*	*	1
33. ROCKFISHES, OTHER	1	*	*	0	62	16	*	*	78
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	23	*	*	0	1	2	*	*	25
38. CABEZON	*	6	*	*	0	*	*	*	6
39. PAC. STAGHORN SCULPIN	38	4	*	0	1	*	*	*	43
40. SCULPINS, OTHER	*	1	*	0	*	*	*	*	1
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*
43. KELP BASS	2	6	*	0	*	*	*	*	8
48. WHITE CROAKER	10	*	*	*	22	*	*	*	32
49. QUEENFISH	*	*	*	*	*	*	*	*	*
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
51. OPALLEY	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	1	*	*	2	*	*	*	*	3
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	3	*	*	*	*	*	*	*	3
59. SILVER SURFPERCH	1	*	*	1	*	*	*	*	2
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	0	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	14	*	*	1	*	*	*	*	15
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	0	*	*	*	0
67. PACIFIC MACKEREL	3	*	*	*	61	32	*	*	96
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	*	12	0	*	*	0
70. CALIFORNIA HALIBUT	2	*	*	*	12	0	*	*	14
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	4	*	*	1	31	*	*	*	36
TOTAL	132	17	0	7	218	54	0	0	428

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1984--DEC 1984.

WAVE	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	16	0	2	19
	MENDOCINO/SONOMA	71	2	4	77
	S. F. OCEAN	95	5	23	123
	S. F. BAY	71	5	193	269
	SANTA CRUZ/MONTEREY	151	22	44	216
	SAN LUIS OBISPO	131	19	42	193
	TOTAL	535	53	308	896
MAR/APR	DEL NORTE/HUMBOLDT	29	3	14	46
	MENDOCINO/SONOMA	70	1	2	73
	S. F. OCEAN	27	157	17	201
	S. F. BAY	217	57	318	622
	SANTA CRUZ/MONTEREY	215	14	22	251
	SAN LUIS OBISPO	91	12	16	118
	TOTAL	649	275	388	1,312
MAY/JUN	DEL NORTE/HUMBOLDT	226	2	6	235
	MENDOCINO/SONOMA	153	3	1	157
	S. F. OCEAN	63	20	7	91
	S. F. BAY	111	74	216	401
	SANTA CRUZ/MONTEREY	183	24	82	289
	SAN LUIS OBISPO	99	18	29	146
	TOTAL	836	141	342	1,319
JUL/AUG	DEL NORTE/HUMBOLDT	1,902	18	35	1,955
	MENDOCINO/SONOMA	766	125	0	893
	S. F. OCEAN	210	29	38	276
	S. F. BAY	182	73	276	531
	SANTA CRUZ/MONTEREY	862	378	453	1,693
	SAN LUIS OBISPO	232	52	149	433
	TOTAL	4,155	676	950	5,781
SEP/OCT	DEL NORTE/HUMBOLDT	170	5	11	186
	MENDOCINO/SONOMA	373	18	13	404
	S. F. OCEAN	130	23	24	177
	S. F. BAY	110	61	206	377
	SANTA CRUZ/MONTEREY	583	110	193	886
	SAN LUIS OBISPO	584	51	170	804
	TOTAL	1,950	267	617	2,834
NOV/DEC	DEL NORTE/HUMBOLDT	3	1	4	8
	MENDOCINO/SONOMA	65	3	8	75
	S. F. OCEAN	36	4	5	46
	S. F. BAY	19	6	73	97
	SANTA CRUZ/MONTEREY	126	43	37	205
	SAN LUIS OBISPO	83	14	23	121
	TOTAL	332	71	149	552
GRAND TOTAL	8,457	1,483	2,753	12,693	

TABLE 39. ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING BY COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	30	20	23	73
STD ERR	39	24	12	47
MENDOCINO/SONOMA (NON-BOAT MODES)	26	10	1	38
STD ERR	30	13	8	34
MENDOCINO (BOAT MODES)	5	3	*	8
STD ERR	6	3	*	6
SONOMA (BOAT MODES)	7	2	*	9
STD ERR	8	1	*	8
SAN FRANCISCO	269	12	*	281
STD ERR	389	11	*	389
SANTA CRUZ/MONTEREY	98	15	6	119
STD ERR	118	13	7	119
SAN LUIS OBISPO	30	30	47	107
STD ERR	34	34	46	67
TOTAL	465	92		
STD ERR	411	47		

TABLE 40. ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	128	50	59	236
STD ERR	82	86	150	192
MENDOCINO/SONOMA (NON-BOAT MODES)	92	20	2	114
STD ERR	63	44	12	78
MENDOCINO (BOAT MODES)	27	16	2	44
STD ERR	17	16	8	25
SONOMA (BOAT MODES)	26	2	1	30
STD ERR	0	1	1	1
SAN FRANCISCO	1,257	19	13	1,289
STD ERR	130	17	21	133
SANTA CRUZ/MONTEREY	321	30	11	362
STD ERR	51	21	14	57
SAN LUIS OBISPO	111	77	132	321
STD ERR	92	127	209	261
TOTAL	1,963	215	220	2,398
STD ERR	197	163	259	364

TABLE 41. ESTIMATED THOUSANDS OF FISHING TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

COASTAL COUNTY DISTRICT	MODE	COASTAL RESIDENTS	NON-COASTAL RESIDENTS	OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	6	0	0	7
	STD ERR	6	2	0	6
	JETTY & BREAKWATER	7	1	1	9
	STD ERR	9	5	3	11
	BRIDGE & CAUSEWAY	1	0	0	1
	STD ERR	3	1	0	3
	B/B - H & L	61	18	9	87
	STD ERR	54	42	38	78
	P/R BOAT	52	30	49	132
	STD ERR	61	75	145	175
	SPEAR	0	*	0	0
STD ERR	0	*	0	0	
TOTAL		128	50	59	236
STD ERR		82	86	150	192
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	7	7	0	14
	STD ERR	5	14	1	15
	JETTY & BREAKWATER	7	3	0	10
	STD ERR	6	5	2	8
	B/B - H & L	7	9	2	18
	STD ERR	6	4	2	12
SPEAR	7	1	0	8	
STD ERR	5	4	*	9	
TOTAL		22	20	2	114
STD ERR		23	44	12	78
MENDOCINO (BOAT MODES)	P/R BOAT	22	6	2	30
	STD ERR	17	13	8	23
	CPFV	5	9	0	14
	STD ERR	3	9	1	10
TOTAL		27	16	2	44
STD ERR		17	16	8	25
SONOMA (BOAT MODES)	P/R BOAT	18	1	0	20
	STD ERR	0	1	1	1
	CPFV	8	1	1	10
	STD ERR	0	1	1	1
TOTAL		26	2	1	30
STD ERR		0	1	1	1
SAN FRANCISCO	PIER & DOCK	446	3	6	454
	STD ERR	104	5	17	106
	JETTY & BREAKWATER	42	*	1	42
	STD ERR	9	*	1	9
	BRIDGE & CAUSEWAY	5	*	0	5
	STD ERR	3	*	0	3
	B/B - H & L	211	1	2	215
	STD ERR	36	3	5	36
	P/R BOAT	435	10	4	449
	STD ERR	64	14	10	66
	CPFV	118	5	0	124
	STD ERR	25	6	1	25
	SPEAR	0	*	0	0
STD ERR	1	*	0	1	
TOTAL		1,257	19	13	1,289
STD ERR		130	17	21	133

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	93	9	3	105
	STD ERR	27	13	7	31
	JETTY & BREAKWATER	15	2	0	16
	STD ERR	10	5	0	11
	B/B - H & L	60	29	7	64
	STD ERR	29	14	1	32
	P/R BOAT	91	4	1	95
	STD ERR	24	8	2	26
	CPFV	51	12	6	69
	STD ERR	15	10	0	20
SPEAR		11	1	0	12
	STD ERR	5	1	0	5
TOTAL		321	30	11	362
	STD ERR	51	21	14	57
SAN LUIS OBISPO	PIER & DOCK	36	35	46	117
	STD ERR	41	76	111	140
	JETTY & BREAKWATER	1	1	1	2
	STD ERR	1	3	5	6
	B/B - H & L	13	4	7	24
	STD ERR	7	8	12	16
	P/R BOAT	55	29	61	144
	STD ERR	82	102	175	219
	CPFV	8	9	18	34
	STD ERR	5	9	19	22
TOTAL		111	77	132	321
	STD ERR	92	127	209	261
GRAND TOTAL		1,963	215	220	2,398
	STD ERR	197	163	259	364

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED BY COASTAL COUNTY DISTRICT AND MODE, JAN 1984---DEC 1984.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.4	2.0	1.409
	MENDOCINO/SONOMA	1.8	1.5	1.078
	SAN FRANCISCO	3.5	3.0	1.959
	SANTA CRUZ/MONTEREY	3.1	3.0	2.031
	SAN LUIS OBISPO	2.3	2.0	1.515
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	2.9	2.5	1.694
	MENDOCINO/SONOMA	2.5	2.0	1.404
	SAN FRANCISCO	3.6	3.3	2.014
	SANTA CRUZ/MONTEREY	2.5	2.0	1.580
	SAN LUIS OBISPO	2.9	1.5	3.544
MAN MADE	DEL NORTE/HUMBOLDT	2.0	1.8	1.140
	SAN FRANCISCO	2.4	2.0	1.882
	SAN LUIS OBISPO	2.3	1.8	1.858
B/B - H & L	DEL NORTE/HUMBOLDT	2.5	2.0	1.466
	MENDOCINO/SONOMA	2.5	2.0	1.486
	SAN FRANCISCO	3.1	3.0	1.921
	SANTA CRUZ/MONTEREY	3.1	3.0	1.600
	SAN LUIS OBISPO	2.2	2.0	1.322
P/R BOAT	DEL NORTE/HUMBOLDT	4.0	4.0	1.895
	MENDOCINO (BOAT MODES)	3.6	3.8	1.624
	SONOMA (BOAT MODES)	3.8	3.0	2.240
	SAN FRANCISCO	5.3	5.0	2.204
	SANTA CRUZ/MONTEREY	4.4	4.5	1.685
	SAN LUIS OBISPO	4.1	4.0	1.672
CPFV	MENDOCINO (BOAT MODES)	3.6	4.0	0.625
	SONOMA (BOAT MODES)	4.2	4.0	1.637
	SAN FRANCISCO	5.6	6.0	1.688
	SANTA CRUZ/MONTEREY	4.4	4.5	1.465
	SAN LUIS OBISPO	3.2	3.0	2.326
SPEAR	DEL NORTE/HUMBOLDT	1.3	1.5	0.258
	MENDOCINO/SONOMA	1.2	1.0	0.898
	SAN FRANCISCO	1.8	2.0	0.408
	SANTA CRUZ/MONTEREY	1.0	1.0	0.416
	SAN LUIS OBISPO	0.7	0.5	0.289

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1984---DEC 1984.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	569	28.28	NONE	893	30.10
75. OTHER FISH	316	15.71	44. STRIPED BASS	779	26.26
63. SURPPERCHES, OTHER	239	11.88	04. STURGEONS	495	16.68
35. LINGCOD	227	11.28	63. SURPPERCHES, OTHER	325	10.95
56. REDTAIL SURPPERCH	210	10.44	75. OTHER FISH	90	3.03
74. SALMONIDS	130	6.46	33. ROCKFISHES, OTHER	68	2.29
15. BLACK ROCKFISH	78	3.88	48. WHITE CRONKER	61	2.06
33. ROCKFISHES, OTHER	68	3.38	03. SHARK, OTHER	57	1.92
38. CABEZON	41	2.04	14. JACKSMELT	54	1.82
36. GREENLINGS, OTHER	38	1.89	70. CALIFORNIA HALIBUT	44	1.48
03. SHARK, OTHER	32	1.59	69. STARRY FLUNDER	20	0.67
07. SURF SMELT	21	1.04	07. SURF SMELT	19	0.64
34. KELP GREENLING	12	0.60	39. PAC. STAGHORN SCULPIN	16	0.54
05. PACIFIC HERRING	11	0.55	74. SALMONIDS	12	0.40
60. STRIPED SEAPERCH	7	0.35	16. BLUE ROCKFISH	7	0.24

MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	662	57.92	NONE	930	46.36
75. OTHER FISH	99	8.66	33. ROCKFISHES, OTHER	351	17.50
07. SURF SMELT	86	7.52	63. SURPPERCHES, OTHER	261	12.01
63. SURPPERCHES, OTHER	63	5.51	35. LINGCOD	104	5.18
05. PACIFIC HERRING	56	4.90	44. STRIPED BASS	93	4.64
33. ROCKFISHES, OTHER	47	4.11	75. OTHER FISH	91	4.54
35. LINGCOD	34	2.97	67. PACIFIC MACKEREL	45	2.24
38. CABEZON	29	2.54	68. TUNAS	28	1.40
56. REDTAIL SURPPERCH	16	1.40	74. SALMONIDS	14	0.70
74. SALMONIDS	16	1.40	03. SHARK, OTHER	13	0.65
44. STRIPED BASS	11	0.96	70. CALIFORNIA HALIBUT	13	0.65
14. JACKSMELT	7	0.61	73. FLATFISHES, OTHER	13	0.65
73. FLATFISHES, OTHER	4	0.35	14. JACKSMELT	11	0.55
08. SMELTS, OTHER	3	0.26	53. BARRED SURPPERCH	9	0.45
16. BLUE ROCKFISH	3	0.26	71. PACIFIC SANDDAB	9	0.45

MENDOCINO (BOAT MODES)			SAN LUIS OBISPO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	213	74.74	NONE	965	53.67
35. LINGCOD	37	12.98	33. ROCKFISHES, OTHER	192	10.68
NONE	34	11.95	63. SURPPERCHES, OTHER	168	9.34
33. ROCKFISHES, OTHER	1	0.35	75. OTHER FISH	144	8.01

SONOMA (BOAT MODES)					
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
33. ROCKFISHES, OTHER	53	40.15	NONE	63	3.50
35. LINGCOD	28	21.21	70. CALIFORNIA HALIBUT	54	3.00
NONE	25	18.94	74. SALMONIDS	54	3.00
75. OTHER FISH	16	12.12	68. TUNAS	44	2.45
44. STRIPED BASS	7	5.30	67. PACIFIC MACKEREL	41	2.28
70. CALIFORNIA HALIBUT	2	1.52	66. PACIFIC BONITO	35	1.95
67. PACIFIC MACKEREL	1	0.76	18. BOCACCIO	24	1.33
			35. LINGCOD	24	1.33
			14. JACKSMELT	19	1.06
			03. SHARK, OTHER	6	0.33
			17. BROWN ROCKFISH	5	0.28
			69. STARRY FLUNDER	4	0.22

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT AND MODE, JAN 1984--DEC 1984. THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	121 53.54	22 9.73	13 5.75	25 11.06	12 5.31	15 6.64	4 1.77	5 2.21	4 1.77	5 2.21	226
MENDOCINO/SONOMA	29 38.16	1 1.32	1 1.32	2 2.65	3 3.95	13 17.11	2 2.65	9 11.84	5 6.58	11 14.47	76
SAN FRANCISCO	514 55.57	92 9.95	58 6.27	51 5.51	79 8.54	74 8.00	29 3.14	20 2.16	6 0.65	2 0.22	925
SANTA CRUZ/ MONTEREY	175 44.08	48 12.09	30 7.56	20 5.04	40 10.08	36 9.07	32 8.06	6 1.51	3 0.76	7 1.76	397
SAN LUIS OBISPO	344 58.01	70 11.80	39 6.58	27 4.55	36 6.07	50 8.43	12 2.02	8 1.35	5 0.84	2 0.34	593
TOTAL	1183	233	141	125	170	188	79	48	23	27	2217

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	523 68.10	69 8.98	64 8.33	31 4.04	39 5.08	32 4.17	8 1.04	2 0.26	0 0.00	0 0.00	768
MENDOCINO/SONOMA	349 86.17	30 7.41	15 3.70	8 1.98	2 0.49	1 0.25	0 0.00	0 0.00	0 0.00	0 0.00	405
SAN FRANCISCO	83 74.11	7 6.25	8 7.14	8 7.14	5 4.46	1 0.89	0 0.00	0 0.00	0 0.00	0 0.00	112
SANTA CRUZ/ MONTEREY	56 52.34	9 8.41	8 7.48	2 1.87	10 9.35	15 14.02	2 1.87	2 1.87	1 0.95	2 1.87	107
SAN LUIS OBISPO	1 25.00	2 50.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 25.00	4
TOTAL	1012	117	95	49	56	49	10	4	1	3	1396

BRIDGE & CAUSEWAY								
NUMBER CAUGHT	0	1	2	3	6-10	11-15	TOTAL	
DEL NORTE/ HUMBOLDT	25 69.44	4 11.11	1 2.78	3 8.33	3 8.33	0 0.00	36	
SAN FRANCISCO	4 66.67	1 16.67	0 0.00	0 0.00	1 16.67	0 0.00	6	
SAN LUIS OBISPO	9 64.29	2 14.29	0 0.00	1 7.14	0 0.00	2 14.29	14	
TOTAL	38	7	1	4	4	2	56	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	471 67.87	64 9.22	40 5.76	24 3.46	35 5.04	21 3.03	8 1.15	0 0.00	0 0.00	31 4.47	694
MENDOCINO/SONOMA	352 64.94	49 9.04	29 5.35	21 3.87	24 4.43	8 1.48	0 0.00	9 1.66	5 0.92	45 8.30	542
SAN FRANCISCO	513 67.32	88 11.55	45 5.91	34 4.46	27 3.54	23 3.02	12 1.57	12 1.57	0 0.00	8 1.05	762
SANTA CRUZ/ MONTEREY	227 45.31	65 12.97	40 7.98	21 4.19	38 7.58	70 13.97	23 4.59	8 1.60	5 1.00	4 0.80	501
SAN LUIS OBISPO	184 59.55	37 11.97	21 6.80	16 5.18	16 5.18	22 7.12	8 2.59	1 0.32	0 0.00	4 1.29	309
TOTAL	1747	303	175	116	140	144	51	30	10	92	2808

(CONTINUED)

TABLE 44. (CONTINUED)

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	87 31.99	12 4.41	14 5.15	40 14.71	25 9.19	43 15.81	35 12.87	5 1.84	6 2.21	5 1.84	272
MENDOCINO (BOAT NODES)	47 22.71	19 9.18	27 13.04	19 9.18	40 19.32	34 16.43	16 7.73	3 1.45	2 0.97	0 0.00	207
SONOMA (BOAT NODES)	25 34.72	7 9.72	2 2.78	12 16.67	10 13.89	5 6.94	10 13.89	0 0.00	1 1.39	0 0.00	72
SAN FRANCISCO	444 47.64	145 14.89	105 10.78	53 5.44	74 7.60	90 9.24	36 3.70	3 0.31	4 0.41	0 0.00	974
SANTA CRUZ/ MONTEREY	67 12.18	18 3.27	37 6.73	23 4.18	64 11.64	128 23.27	75 13.64	54 9.82	35 6.36	49 8.91	550
SAN LUIS OBISPO	132 21.29	53 8.55	32 5.16	31 5.00	79 12.74	121 19.52	95 15.32	58 9.35	8 1.29	11 1.77	620
TOTAL	822	254	217	178	292	421	267	123	56	65	2695

OPFV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
MENDOCINO (BOAT NODES)	0 0.00	1 1.37	2 2.74	0 0.00	4 5.48	22 30.14	37 50.68	7 9.59	0 0.00	0 0.00	73
SONOMA (BOAT NODES)	7 11.67	4 6.67	1 1.67	0 0.00	0 0.00	9 15.00	22 36.67	14 23.33	2 3.33	1 1.67	60
SAN FRANCISCO	45 25.86	35 20.11	11 6.32	8 4.60	17 9.77	20 11.49	26 14.94	10 5.75	2 1.15	0 0.00	174
SANTA CRUZ/ MONTEREY	5 1.22	6 1.46	10 2.43	4 0.97	24 5.84	65 15.82	96 23.36	109 26.52	36 8.76	56 13.63	411
SAN LUIS OBISPO	18 6.64	19 7.01	10 3.69	16 5.90	25 9.23	85 31.37	40 14.76	42 15.50	6 2.21	10 3.69	271
TOTAL	75	65	34	28	70	201	221	182	46	67	989

BEACH/BANK - NET									
NUMBER CAUGHT	2	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL	
DEL NORTE/ HUMBOLDT	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	8 100.00	8	
MENDOCINO/SONOMA	2 5.13	2 5.13	0 0.00	4 10.26	3 7.69	1 2.56	27 69.23	39	
SAN FRANCISCO	0 0.00	0 0.00	1 16.67	0 0.00	3 50.00	0 0.00	2 33.33	6	
TOTAL	2	2	1	4	6	1	37	53	

SPEAR								
NUMBER CAUGHT	0	1	2	3	4-5	6-10	16-20	TOTAL
DEL NORTE/ HUMBOLDT	3 50.00	2 33.33	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00	6
MENDOCINO/SONOMA	43 49.43	8 9.20	12 13.79	4 4.60	12 13.79	7 8.05	1 1.15	87
SAN FRANCISCO	5 83.33	0 0.00	1 16.67	0 0.00	0 0.00	0 0.00	0 0.00	6
SANTA CRUZ/ MONTEREY	12 30.00	5 12.50	4 10.00	12 30.00	6 15.00	1 2.50	0 0.00	40
SAN LUIS OBISPO	2 50.00	1 25.00	1 25.00	0 0.00	0 0.00	0 0.00	0 0.00	4
TOTAL	65	16	18	16	18	9	1	143

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1984--DEC 1984.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	4.1
	JETTY & BREAKWATER	1.1
	BRIDGE & CAUSEWAY	1.0
	B/B - H & L	10.6
	P/R BOAT	5.1
	B/B - NET	167
	SPEAR	1.5
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	14.0
	JETTY & BREAKWATER	0.2
	B/B - H & L	19.4
	B/B - NET	86.6
	SPEAR	1.8
MENDOCINO (BOAT MODES)	P/R BOAT	4.0
	CPFV	11.6
SONOMA (BOAT MODES)	P/R BOAT	3.6
	CPFV	11.5
SAN FRANCISCO	PIER & DOCK	2.9
	JETTY & BREAKWATER	0.7
	BRIDGE & CAUSEWAY	1.7
	B/B - H & L	1.9
	P/R BOAT	2.2
	CPFV	5.2
	B/B - NET	33.0
	SPEAR	0.3
SANTA CRUZ/MONTEREY	PIER & DOCK	3.8
	JETTY & BREAKWATER	3.6
	B/B - H & L	6.2
	P/R BOAT	12.0
	CPFV	16.1
	SPEAR	2.0
SAN LUIS OBISPO	PIER & DOCK	2.1
	JETTY & BREAKWATER	9.3
	BRIDGE & CAUSEWAY	2.1
	B/B - H & L	2.0
	P/R BOAT	6.9
	CPFV	9.2
	SPEAR	0.8

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1984--DEC 1984.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
				NUMBER
	PERCENT			
DEL NORTE/HUMBOLDT	75.8	19.1	5.1	2012
MENDOCINO/SONOMA (NON-BOAT MODES)	76.8	18.5	4.6	1143
MENDOCINO (BOAT MODES)	68.1	30.5	1.4	285
SONOMA (BOAT MODES)	84.8	10.6	4.5	132
SAN FRANCISCO	97.5	1.7	0.8	2967
SANTA CRUZ/MONTEREY	89.4	8.9	1.7	2006
SAN LUIS OBISPO	38.9	59.0	2.1	1798
TOTAL NUMBER	8095	1986	267	10343

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B5) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	*	*	*	*
2 SPINY DOGFISH	*	*	*	*	*	*	*
3 SHARK, OTHER	2	*	*	*	*	*	2
5 PACIFIC HERRING	1	0	*	*	*	*	1
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
7 SURF SMELT	*	0	*	*	*	*	0
8 SMELTS, OTHER	*	*	*	*	*	*	*
10 PACIFIC TONGOD	*	0	0	*	*	*	0
13 SILVERSIDES	0	*	*	*	*	*	0
14 JACKSMELT	0	*	*	*	*	*	0
15 BLACK ROCKFISH	0	1	4	346	*	0	350
16 BLUE ROCKFISH	*	0	0	21	*	*	21
17 BROWN ROCKFISH	*	0	*	1	*	*	1
19 CANARY ROCKFISH	*	*	*	21	*	*	21
21 COPPER ROCKFISH	*	0	*	22	*	*	22
26 GULLBACK ROCKFISH	*	*	*	8	*	*	8
27 ROSY ROCKFISH	*	*	*	1	*	*	1
29 VERMILION ROCKFISH	*	*	*	7	*	*	7
30 WIDOW ROCKFISH	*	*	*	0	*	*	0
31 YELLOWTAIL ROCKFISH	*	*	*	21	*	*	21
33 ROCKFISHES, OTHER	*	1	1	32	*	*	34
34 KELP GREENLING	*	1	1	9	*	0	11
35 LINGCOD	*	2	1	95	*	*	98
36 GREENLINGS, OTHER	*	0	1	*	*	0	1
38 CABEZON	*	1	1	28	*	*	30
39 PAC. STAGHORN SCULPIN	0	*	0	*	*	*	0
40 SCULPINS, OTHER	*	0	*	0	*	*	0
55 PILE PERCH	0	0	0	0	*	*	0
56 REDTAIL SURFPERCH	0	0	9	0	*	*	10
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	0	1	0	*	*	1
60 STRIPED SEAPERCH	0	0	6	0	*	0	7
61 WALLEYE SURFPERCH	0	0	0	0	*	*	1
62 WHITE SEAPERCH	0	0	0	0	*	*	1
63 SURFPERCHES, OTHER	*	*	1	*	*	*	1
67 PACIFIC MACKEREL	*	*	*	*	*	*	*
69 STARRY FLOUNDER	0	*	*	*	*	*	0
73 FLATFISHES, OTHER	*	*	0	0	*	*	1
74 SALMONIDS	*	2	1	2	*	*	5
75 OTHER FISH	*	0	1	*	*	*	1
TOTAL	5	10	27	617	0	1	660

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	3	*	*	*	3
5 PACIFIC HERRING	5	*	*	*	*	*	5
7 SURF SMELT	0	*	*	*	*	*	0
8 SMELTS, OTHER	*	*	*	*	*	*	*
14 JACKSMELT	*	*	0	*	*	*	0
15 BLACK ROCKFISH	*	0	3	*	*	3	6
16 BLUE ROCKFISH	*	*	1	*	*	2	3
17 BROWN ROCKFISH	*	*	1	*	*	*	1
19 CANARY ROCKFISH	*	*	1	*	*	0	1
21 COPPER ROCKFISH	*	0	2	*	*	0	2
22 GOPHER ROCKFISH	*	0	*	*	*	*	0
25 OLIVE ROCKFISH	*	*	0	*	*	*	0
27 ROSY ROCKFISH	*	*	0	*	*	*	0
33 ROCKFISHES, OTHER	*	*	2	*	*	0	2
34 KELP GREENLING	*	0	3	*	*	1	3
35 LINGCOD	*	1	2	*	*	6	9
36 GREENLINGS, OTHER	*	0	2	*	*	*	2
38 CABEZON	*	1	3	*	*	3	7
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
40 SCULPINS, OTHER	*	0	0	*	*	*	1
55 PILE PERCH	*	0	*	*	*	*	0
56 REDTAIL SURFPERCH	0	0	1	*	*	*	1
57 RUBBERLIP SEAPERCH	*	*	*	*	*	1	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	*	*	0	*	*	*	0
60 STRIPED SEAPERCH	*	0	5	*	*	1	7
62 WHITE SEAPERCH	*	0	0	*	*	*	0
63 SURFPERCHES, OTHER	*	0	1	*	*	0	1
69 STARRY FLOUNDER	*	0	1	*	*	*	2
71 PACIFIC SANDDAB	*	0	*	*	*	*	0
72 ROCK SOLE	*	0	*	*	*	*	0
73 FLATFISHES, OTHER	*	0	*	*	*	*	0
74 SALMONIDS	*	1	2	*	*	*	3
75 OTHER FISH	*	0	1	*	*	1	2
TOTAL	5	5	35	0	0	19	64

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	OPFV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	3	*	3
12 PACIFIC HAKE	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	*	*	28	*	*	28
16 BLUE ROCKFISH	*	*	*	13	36	*	48
18 BOCACCIO	*	*	*	*	25	*	25
19 CANARY ROCKFISH	*	*	*	8	24	*	32
21 COPPER ROCKFISH	*	*	*	6	1	*	7
22 GOPHER ROCKFISH	*	*	*	0	*	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	28	*	28
24 GREENSTRIPED ROCKFISH	*	*	*	*	5	*	5
25 OLIVE ROCKFISH	*	*	*	1	*	*	1
26 QUILLBACK ROCKFISH	*	*	*	0	*	*	0
27 ROSY ROCKFISH	*	*	*	1	2	*	3
29 VERMILION ROCKFISH	*	*	*	7	1	*	8
30 WIDOW ROCKFISH	*	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	5	45	*	49
33 ROCKFISHES, OTHER	*	*	*	25	25	*	50
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	46	5	*	51
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
38 CABEZON	*	*	*	3	*	*	3
60 STRIPED SEAPERCH	*	*	*	*	*	*	*
63 SURPERCHES, OTHER	*	*	*	0	*	*	0
67 PACIFIC MACKEREL	*	*	*	0	0	*	0
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	*	*	*	*	*	*	*
75 OTHER FISH	*	*	*	0	*	*	0
TOTAL	0	0	0	144	201	0	345

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	OPFV	SPEAR	ALL MODES
15 BLACK ROCKFISH	*	*	*	9	32	*	41
16 BLUE ROCKFISH	*	*	*	6	1	*	6
17 BROWN ROCKFISH	*	*	*	2	4	*	7
18 BOCACCIO	*	*	*	*	9	*	9
19 CANARY ROCKFISH	*	*	*	5	3	*	8
20 CHILPEPPER ROCKFISH	*	*	*	*	0	*	0
21 COPPER ROCKFISH	*	*	*	6	4	*	10
22 GOPHER ROCKFISH	*	*	*	0	*	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	1	1	*	1
26 QUILLBACK ROCKFISH	*	*	*	1	*	*	1
27 ROSY ROCKFISH	*	*	*	0	0	*	0
28 STARRY ROCKFISH	*	*	*	*	3	*	3
29 VERMILION ROCKFISH	*	*	*	1	2	*	3
30 WIDOW ROCKFISH	*	*	*	*	7	*	7
31 YELLOWTAIL ROCKFISH	*	*	*	8	72	*	79
33 ROCKFISHES, OTHER	*	*	*	9	6	*	15
34 KELP GREENLING	*	*	*	3	8	*	3
35 LINGCOD	*	*	*	7	8	*	14
39 PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*
40 SCULPINS, OTHER	*	*	*	0	*	*	0
44 STRIPED BASS	*	*	*	1	*	*	1
54 BLACK PERCH	*	*	*	0	*	*	0
67 PACIFIC MACKEREL	*	*	*	*	0	*	0
69 STARRY FLOUNDER	*	*	*	1	*	*	1
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
75 OTHER FISH	*	*	*	0	*	*	0
TOTAL	0	0	0	61	154	0	215

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	2	*	*	*	2
3 SHARK, OTHER	*	*	*	*	*	*	*
4 STURGEONS	*	*	*	*	*	*	*
6 NORTHERN ANCHOVY	*	*	*	*	*	*	*
7 SURF SHEL	*	*	*	*	*	*	*
14 JACKSMELT	0	*	*	*	*	*	0
15 BLACK ROCKFISH	*	*	*	*	3	*	3
16 BLUE ROCKFISH	*	*	*	5	131	*	136
17 BROWN ROCKFISH	0	0	*	5	58	*	64
18 BOCACCIO	*	*	*	*	15	*	15
19 CANARY ROCKFISH	*	*	*	4	12	*	16
20 CHILLIPEPPER ROCKFISH	*	*	*	*	7	*	7
21 COPPER ROCKFISH	*	*	*	1	30	*	31
22 GOPHER ROCKFISH	*	*	*	*	0	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	1	3	*	3
26 GULLBACK ROCKFISH	*	*	*	*	1	*	1
27 ROSY ROCKFISH	*	*	*	*	2	*	2
28 STARRY ROCKFISH	*	*	*	*	0	*	0
29 VERMILION ROCKFISH	*	*	*	*	13	*	13
30 WIDOW ROCKFISH	*	*	*	*	8	*	8
31 YELLOWTAIL ROCKFISH	*	*	*	*	89	*	89
33 ROCKFISHES, OTHER	*	0	*	41	20	*	62
34 KELP GREENLING	*	0	0	2	*	*	2
35 LINGCOD	*	*	*	1	20	*	21
36 GREENLINGS, OTHER	*	*	*	*	0	*	0
38 CABEZON	*	*	0	*	*	*	0
39 PAC. STAGHORN SCULPIN	0	*	*	*	1	*	0
44 STRIPED BASS	*	*	3	11	1	*	14
48 WHITE CROAKER	3	0	0	*	0	*	4
53 BARRED SURFPERCH	0	*	4	*	*	*	4
54 BLACK PERCH	*	*	0	*	*	*	0
55 PILE PERCH	*	*	*	1	*	*	1
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	*	0	*	*	*	0
60 STRIPED SEAPERCH	0	*	*	0	*	*	0
61 WALLEYE SURFPERCH	0	0	0	*	*	*	1
62 WHITE SEAPERCH	0	*	0	*	*	*	1
63 SURFPERCHES, OTHER	6	*	0	*	*	*	7
67 PACIFIC MACKEREL	*	*	*	0	2	*	3
69 STARRY FLOUNDER	*	0	*	*	*	*	0
70 CALIFORNIA HALIBUT	*	0	0	*	12	*	13
71 PACIFIC SANDDAB	0	*	*	0	0	*	0
73 FLATFISHES, OTHER	*	*	*	0	*	*	0
74 SALMONIDS	5	*	1	1	3	*	10
75 OTHER FISH	*	*	1	*	*	*	1
TOTAL	17	2	13	73	430	0	535

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1984--DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	11	*	9	53	*	*	73
2 SPINY DOGFISH	*	*	*	2	*	*	2
3 SHARK, OTHER	*	*	2	53	*	*	55
4 STURGEONS	*	*	*	308	91	*	400
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
10 PACIFIC TONGOD	*	*	*	*	*	*	*
14 JACKSMELT	45	0	7	0	*	*	52
15 BLACK ROCKFISH	*	*	*	10	*	*	10
17 BROWN ROCKFISH	1	*	0	14	1	*	15
33 ROCKFISHES, OTHER	*	*	*	0	*	*	0
35 LINGCOD	0	*	*	1	*	*	1
38 CABEZON	*	*	0	*	*	*	0
39 PAC. STAGHORN SCULPIN	1	*	0	0	0	*	2
40 SCULPINS, OTHER	0	*	*	*	*	*	0
44 STRIPED BASS	8	*	2	68	24	*	102
48 WHITE CROAKER	11	1	*	11	*	*	22
53 BARRED SURFPERCH	1	0	*	3	*	*	3
54 BLACK PERCH	2	0	1	0	*	*	4
55 PILE PERCH	7	*	1	9	*	*	17
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	0	*	1	0	*	*	1
58 SHINER PERCH	2	*	0	*	*	*	2
59 SILVER SURFPERCH	0	*	*	0	*	*	1
60 STRIPED SEAPERCH	1	*	0	*	*	*	1
61 WALLEYE SURFPERCH	3	*	0	0	*	*	4
62 WHITE SEAPERCH	0	*	0	0	*	*	1
63 SURFPERCHES, OTHER	3	*	0	1	*	*	4
66 PACIFIC BONITO	*	*	*	1	*	*	1
67 PACIFIC MACKEREL	*	*	*	10	*	*	10
69 STARRY FLOUNDER	4	1	0	11	9	*	25
70 CALIFORNIA HALIBUT	*	*	*	13	18	*	31
71 PACIFIC SANDDAB	2	*	*	*	*	*	2
73 FLATFISHES, OTHER	0	*	*	0	8	*	8
74 SALMONIDS	1	*	*	*	4	*	5
75 OTHER FISH	11	14	7	1144	*	*	1176
TOTAL	113	16	31	1714	156	0	2029

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	0	1	*	*	1
2 SPINY DOGFISH	*	*	*	2	*	*	2
3 SHARK, OTHER	*	*	*	31	*	*	31
6 NORTHERN ANCHOVY	*	*	*	*	*	*	*
12 PACIFIC HAKE	*	*	*	2	42	*	44
14 JACKSMELT	10	0	4	0	0	*	15
15 BLACK ROCKFISH	*	*	*	5	0	0	5
16 BLUE ROCKFISH	0	*	*	54	92	1	147
17 BROWN ROCKFISH	*	*	*	32	3	*	35
18 BOCCACCIO	1	*	0	2	38	*	41
19 CANARY ROCKFISH	*	*	*	5	10	*	14
20 CHILIPEPPER ROCKFISH	*	*	*	*	158	*	158
21 COPPER ROCKFISH	*	*	*	3	31	*	34
22 GOPHER ROCKFISH	*	*	*	17	0	0	18
23 GREENSPOTTED ROCKFISH	*	*	*	0	14	*	14
24 GREENSTRIPED ROCKFISH	*	*	*	0	7	*	7
25 OLIVE ROCKFISH	*	*	*	18	11	0	30
26 QUILLBACK ROCKFISH	*	*	*	0	1	*	1
27 ROSY ROCKFISH	*	*	*	3	5	*	8
28 STARRY ROCKFISH	*	*	*	2	8	*	10
29 VERMILION ROCKFISH	*	*	*	7	9	*	16
30 WIDOW ROCKFISH	*	*	*	0	24	*	24
31 YELLOWTAIL ROCKFISH	*	*	*	10	64	*	75
33 ROCKFISHES, OTHER	1	*	0	31	35	2	69
34 KELP GREENLING	*	*	*	1	*	1	1
35 LINGCOD	*	*	2	36	52	16	105
36 GREENLINGS, OTHER	*	*	*	*	*	0	0
37 SABLEFISH	*	*	*	0	11	*	12
38 CABEZON	*	0	1	3	*	4	7
39 PAC. STAGHORN SCULPIN	0	0	0	*	*	*	0
43 KELP BASS	*	*	*	0	*	1	1
44 STRIPED BASS	*	*	4	*	*	*	4
48 WHITE CROAKER	1	*	0	51	*	*	52
52 HALFBONN	*	*	*	*	*	0	0
53 BARRED SURFPERCH	1	0	19	*	*	*	20
54 BLACK PERCH	0	0	0	0	*	0	1
55 PILE PERCH	0	*	0	*	*	1	1
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	2	0	0	*	*	0	3
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	*	1	*	*	*	1
60 STRIPED SEAPERCH	0	*	0	0	*	0	1
61 WALLEYE SURFPERCH	1	0	1	0	*	*	2
62 WHITE SEAPERCH	0	0	0	0	*	*	0
63 SURFPERCHES, OTHER	3	0	1	*	*	0	4
65 PACIFIC BARRACUDA	*	*	*	*	*	*	*
66 PACIFIC BONITO	*	*	*	1	2	*	3
67 PACIFIC MACKEREL	6	4	9	81	43	*	143
68 TUNAS	*	*	*	*	121	*	121
69 STARRY FLOUNDER	1	*	1	3	*	*	4
70 CALIFORNIA HALIBUT	*	*	*	3	*	2	5
71 PACIFIC SANDDAB	0	*	*	7	9	*	16
72 ROCK SOLE	*	*	*	2	1	*	3
73 FLATFISHES, OTHER	0	*	0	0	0	*	1
74 SALMONIDS	*	*	*	2	*	*	2
75 OTHER FISH	5	*	0	7	1	*	13
TOTAL	33	5	45	424	791	29	1327

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1984---DEC 1984.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	0	*	*	*	*	*	0
2 SPINY DOGFISH	*	*	*	1	*	*	1
3 SHARK OTHER	*	*	*	*	*	*	1
12 PACIFIC HAKE	4	0	0	1	1	*	5
14 JACKSMELT	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	*	*	21	1	*	22
16 BLUE ROCKFISH	*	*	*	46	20	*	66
17 BROWN ROCKFISH	*	*	*	17	3	*	20
18 BOCCACCIO	2	0	*	1	1	*	4
19 CANARY ROCKFISH	*	*	*	4	4	*	7
20 CHILIPEPPER ROCKFISH	*	*	*	0	1	*	1
21 COPPER ROCKFISH	*	*	*	13	4	*	17
22 GOPHER ROCKFISH	*	*	*	52	13	*	65
23 GREENSPOTTED ROCKFISH	*	*	*	0	3	*	3
24 GREENSTRIPED ROCKFISH	*	*	*	0	0	*	0
25 OLIVE ROCKFISH	0	*	*	35	4	*	39
27 ROSY ROCKFISH	*	*	*	2	5	*	7
28 STARRY ROCKFISH	*	*	*	2	6	*	8
29 VERMILION ROCKFISH	*	*	*	28	13	*	41
30 WIDOW ROCKFISH	*	*	*	0	6	*	7
31 YELLOWTAIL ROCKFISH	*	*	*	8	16	*	24
33 ROCKFISHES, OTHER	*	*	1	38	17	*	55
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	2	*	*	16	3	*	21
38 CABEZON	*	*	1	3	1	*	6
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	0
41 BARRED SAND BASS	*	*	0	0	*	*	0
43 KELP BASS	*	0	0	1	*	*	1
48 WHITE CROAKER	2	*	*	7	0	*	10
49 QUEENFISH	0	*	*	*	*	*	0
50 CROAKERS, OTHER	*	*	*	8	*	*	8
51 OPALLEYE	*	*	0	*	*	*	0
53 BARRED SURFPERCH	1	*	3	*	*	*	4
54 BLACK PERCH	0	*	0	*	*	*	0
55 PILE PERCH	*	*	0	*	*	*	0
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
57 RUBBERLIP SEAPERCH	*	*	0	*	*	*	0
58 SHINER PERCH	1	*	0	*	*	*	1
59 SILVER SURFPERCH	0	*	1	*	*	*	1
60 STRIPED SEAPERCH	0	*	0	*	*	*	0
61 WALLEYE SURFPERCH	0	*	1	*	*	*	1
62 WHITE SEAPERCH	0	*	0	*	*	*	0
63 SURFPERCHES, OTHER	1	*	0	0	*	*	1
65 PACIFIC BARRACUDA	*	*	*	*	*	*	*
66 PACIFIC BONITO	1	*	1	16	*	*	18
67 PACIFIC MACKEREL	9	*	*	51	14	*	74
68 TUNAS	*	*	*	*	18	*	18
69 STARRY FLOUNDER	1	*	*	1	1	*	2
70 CALIFORNIA HALIBUT	2	*	*	15	*	*	17
71 PACIFIC SANDDAB	*	*	*	0	0	*	0
72 ROCK SOLE	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	0	*	*	2	*	*	2
74 SALMONIDS	*	*	1	3	*	*	4
75 OTHER FISH	2	*	0	12	*	*	14
TOTAL	28	0	10	407	153	0	599

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1985--DEC 1985.

GROUP	DEL NORTE / MUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	71	13	18	0	0	80	0	0	100	71	13	18
02. SPINY DOGFISH	*	*	*	0	0	100	1	1	58	4	2	51	3	1	45	8	3	31
03. SHARK, OTHER	*	*	*	0	0	0	152	32	21	6	2	29	2	2	63	160	32	20
04. STURGEONS	*	*	*	0	0	100	15	3	23	*	*	*	*	*	*	16	3	22
05. PACIFIC HERRING	2	3	170	211	143	68	0	0	100	*	*	*	*	*	*	213	143	67
06. NORTHERN ANCHOVY	13	10	74	*	*	*	8	4	47	0	0	149	0	0	100	22	10	47
07. SURF SMELT	309	318	103	301	181	60	203	220	108	*	*	*	*	*	*	813	427	52
08. SMELTS, OTHER	3	3	100	*	*	*	*	*	*	*	*	*	*	*	*	3	3	100
10. PACIFIC TOMCOD	0	0	78	*	*	*	1	0	71	*	*	*	*	*	*	1	0	58
12. PACIFIC HAKE	*	*	*	*	*	*	6	3	53	133	42	32	1	0	60	139	42	30
14. JACKSMELT	4	10	280	1	0	50	30	10	34	30	9	31	33	17	53	97	26	26
15. BLACK ROCKFISH	249	184	74	43	28	60	79	10	10	236	13	37	28	17	64	433	190	44
16. BLUE ROCKFISH	7	3	48	120	47	39	132	48	41	53	53	23	136	78	58	630	116	18
17. BROWN ROCKFISH	2	1	51	25	6	24	108	23	21	56	17	30	14	61	214	32	32	
18. BOCCACCIO	2	*	*	4	1	27	15	6	39	60	14	23	119	74	64	197	77	39
19. CANARY ROCKFISH	25	22	85	31	15	50	48	14	30	36	8	23	17	8	49	158	32	21
20. CHILIPEPPER ROCKFISH	*	*	*	19	4	21	23	8	36	207	80	39	113	88	74	362	116	32
21. COPPER ROCKFISH	15	14	95	27	15	25	11	4	46	14	6	46	46	46	81	23	28	
22. GOPHER ROCKFISH	*	*	*	3	2	5	4	2	2	46	15	23	87	48	56	140	51	36
23. GREENSPOTTED ROCKFISH	0	0	73	20	5	20	25	10	40	53	13	28	15	12	81	113	21	19
24. GREENSTRIPED ROCKFISH	*	*	*	10	4	41	2	1	53	27	7	20	6	4	61	44	9	20
25. OLIVE ROCKFISH	*	*	*	1	0	31	13	10	70	26	8	30	4	15	54	68	20	28
26. QUILLBACK ROCKFISH	5	4	96	0	0	50	1	1	51	1	0	44	0	0	100	6	5	59
27. ROSY ROCKFISH	2	2	100	15	5	36	12	4	1	38	8	23	15	15	95	42	18	19
28. STARRY ROCKFISH	*	*	*	2	0	27	1	1	50	14	3	23	27	16	63	42	16	39
29. VERMILION ROCKFISH	3	3	96	2	1	62	8	3	43	8	2	20	15	8	54	36	10	27
30. WIDOW ROCKFISH	*	*	*	4	3	30	7	3	36	21	27	34	31	30	95	64	31	48
31. YELLOWTAIL ROCKFISH	16	14	87	62	9	14	175	51	14	108	27	108	152	106	69	513	121	24
33. ROCKFISHES, OTHER	141	106	75	57	21	38	120	32	26	247	38	133	212	100	48	778	156	20
34. KELP GREENLING	12	5	41	14	5	38	5	2	34	5	2	36	2	109	38	8	21	
35. LINGCOD	49	35	71	47	20	43	27	7	27	32	7	21	13	0	42	168	42	25
36. GREENLINGS, OTHER	3	1	55	14	6	39	1	1	71	*	*	*	0	5	82	19	6	32
37. SABLEFISH	0	0	100	*	*	*	*	*	*	23	10	65	1	2	107	25	11	43
38. CABEZON	7	3	44	7	2	33	10	3	35	5	1	38	8	38	37	6	17	
39. PAC. STAGHORN SCULPIN	1	1	52	98	31	33	578	108	18	186	70	38	43	28	64	922	131	15
40. SCULPINS, OTHER	12	15	133	4	2	42	0	0	100	1	1	100	*	*	*	16	15	95
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	1	0	68	1	0	68
43. KELP BASS	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
44. STRIPED BASS	*	*	*	9	5	58	83	17	20	0	0	100	0	0	100	93	18	19
46. YELLOWTAIL	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
48. WHITE CROAKER	*	*	*	*	*	*	81	28	34	495	144	29	80	32	40	656	150	23
50. CROAKERS, OTHER	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	5	3	57	5	3	57
53. BARRED SURFPERCH	*	*	*	*	*	*	7	3	47	51	20	40	24	11	47	82	24	29
54. BLACK PERCH	*	*	*	*	*	*	8	3	35	5	2	35	4	75	17	4	8	
55. PILE PERCH	1	2	158	0	0	74	10	4	39	3	1	44	1	1	67	16	5	36
56. REDTAIL SURFPERCH	25	20	81	14	7	52	7	6	95	*	*	*	*	*	*	46	22	49
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	1	1	50	1	0	76	1	0	62	2	1	35
58. SHINER PERCH	1	0	70	3	2	68	153	96	63	9	6	63	2	54	168	96	57	
59. SILVER SURFPERCH	56	166	294	3	2	70	19	8	42	6	3	95	26	12	47	110	166	152
60. STRIPED SEAPERCH	4	2	53	12	6	50	5	3	49	4	2	55	1	1	58	26	7	27
61. WALLEYE SURFPERCH	16	46	288	1	1	92	12	4	36	37	17	47	4	3	78	26	49	70
62. WHITE SEAPERCH	8	5	59	1	1	71	3	2	52	11	45	*	*	*	*	36	12	34
63. SURFPERCHES, OTHER	71	225	318	19	10	51	48	10	21	24	24	25	23	43	288	227	88	
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	98	*	*	1	0	58	1	0	58
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	0	0	71
67. PACIFIC HAKE	*	*	*	0	0	92	10	8	80	27	15	18	135	0	100	290	50	0
68. TUNAS	*	*	*	*	*	*	*	*	*	23	6	27	27	54	62	50	18	36
69. STARRY FLOUNDER	0	0	83	0	0	92	16	5	34	1	1	60	13	9	56	19	6	36
70. CALIFORNIA HALIBUT	*	*	*	2	2	97	3	1	40	1	0	48	1	1	75	18	10	34
71. PACIFIC SANDDAB	17	15	89	51	28	54	4	2	53	216	46	21	2	1	89	290	56	19
72. ROCK SOLE	0	0	100	0	0	67	0	0	120	2	1	120	0	0	88	3	1	32
73. FLATFISHES, OTHER	5	4	68	1	1	58	2	1	57	49	14	40	0	0	72	61	15	24
74. SALMONIDS	4	2	52	2	1	45	1	1	72	0	0	39	4	3	72	7	2	35
75. OTHER FISH	2	1	46	7	5	63	120	21	18	37	8	21	20	6	31	186	24	13
TOTAL	1,091	480	44	1,264	244	19	2,486	282	11	2,806	210	7	1,525	225	15	9,172	681	7

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1985--DEC 1985.

COASTAL COUNTY DISTRICT	PIER & DOCK BREAKWATER	JETTY & BEACH BANK	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	163	22	6	358	540	1	*	0	1,091
MENDOCINO/SONOMA (NON-BOAT MODES)	222	17	*	395	*	*	*	19	650
MENDOCINO (BOAT MODES)	*	*	*	*	133	138	*	*	271
SONOMA (BOAT MODES)	*	*	*	*	220	123	*	*	343
SAN FRANCISCO	303	55	*	639	812	677	*	*	2,486
SANTA CRUZ/MONTEREY	536	10	*	98	1,025	1,105	*	31	2,806
SAN LUIS OBISPO	248	1	*	100	954	622	*	*	1,325
TOTAL	1,472	106	6	1,588	3,283	2,667	0	49	9,172

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1965---DEC 1965.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	0	*	7	58	6	*	*	71
02. SPINY DOGFISH	*	*	*	*	6	2	*	*	8
03. SHARK, OTHER	1	1	*	6	149	5	*	*	160
04. STURGEONS	0	*	*	*	14	1	*	*	16
05. PACIFIC HERRING	211	*	2	0	0	*	*	*	213
06. NORTHERN ANCHOVY	18	0	3	0	*	*	*	*	22
07. SURF SMELT	5	*	*	808	*	*	*	*	813
08. SMELTS, OTHER	3	*	*	*	*	*	*	*	3
10. PACIFIC TOMCOD	1	0	*	0	*	*	*	*	1
12. PACIFIC HAKE	*	1	*	*	4	135	*	*	139
14. JACKSMELT	62	6	0	20	9	*	*	*	97
15. BLACK ROCKFISH	0	5	1	1	341	78	*	8	433
16. BLUE ROCKFISH	*	1	3	3	274	344	*	8	630
17. BROWN ROCKFISH	15	2	*	24	113	60	*	*	214
18. BOCACCIO	83	0	*	*	14	101	*	0	197
19. CANARY ROCKFISH	*	0	*	*	78	79	*	0	158
20. CHILIPEPPER ROCKFISH	1	*	*	*	1	360	*	*	362
21. COPPER ROCKFISH	*	0	*	0	57	23	*	1	81
22. GOPHER ROCKFISH	*	0	*	1	111	27	*	2	140
23. GREENSPOTTED ROCKFISH	0	*	*	*	6	106	*	*	113
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	43	*	*	44
25. OLIVE ROCKFISH	*	0	*	*	17	49	*	1	68
26. QUILLBACK ROCKFISH	*	*	*	*	5	2	*	*	8
27. ROSY ROCKFISH	*	*	*	*	30	65	*	*	95
28. STARRY ROCKFISH	*	*	*	*	6	36	*	*	42
29. VERMILION ROCKFISH	*	0	*	*	17	19	*	0	36
30. WIDOW ROCKFISH	*	*	*	*	1	62	*	*	64
31. YELLOWTAIL ROCKFISH	0	0	*	*	58	455	*	0	513
33. ROCKFISHES, OTHER	11	6	0	13	449	281	*	18	778
34. KELP GREENLING	1	5	*	17	12	1	*	2	38
35. LINGCOD	1	1	*	3	113	47	*	3	168
36. GREENLINGS, OTHER	1	2	*	16	0	0	*	0	19
37. SABLEFISH	*	*	*	*	1	24	*	*	25
38. CABEZON	4	2	*	17	10	3	*	1	37
39. PAC. STAGHORN SCULPIN	331	0	*	202	336	8	*	*	902
40. SCULPINS, OTHER	9	3	*	4	1	*	*	*	16
41. BARRED SAND BASS	0	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	2	2	*	6	76	6	*	*	93
46. YELLOWTAIL	*	*	*	*	0	*	*	*	0
48. WHITE CROAKER	165	3	*	3	479	7	*	*	656
50. CROAKERS, OTHER	*	*	*	*	0	*	*	*	0
51. OPALEYE	*	*	*	5	*	*	*	*	5
53. BARRED SURFPERCH	10	0	*	70	1	*	*	*	82
54. BLACK PERCH	6	0	*	7	3	*	*	0	17
55. PILE PERCH	5	0	*	4	6	*	*	0	16
56. REDTAIL SURFPERCH	0	0	*	45	1	*	*	*	46
57. RUBBERLIP SEAPERCH	1	0	*	1	0	*	*	1	2
58. SHINER PERCH	41	9	*	101	17	*	*	*	168
59. SILVER SURFPERCH	53	8	*	48	1	*	*	*	110
60. STRIPED SEAPERCH	2	2	*	19	1	*	*	2	26
61. WALLEYE SURFPERCH	59	1	1	7	1	*	*	*	70
62. WHITE SEAPERCH	33	1	*	2	*	*	*	*	35
63. SURFPERCHES, OTHER	162	4	*	69	23	*	*	1	258
65. PACIFIC BARRACUDA	0	*	*	*	0	*	*	*	1
66. PACIFIC BONITO	*	*	*	0	*	0	*	*	0
67. PACIFIC MACKEREL	44	*	*	0	72	114	*	*	230
68. TUNAS	*	*	*	*	17	34	*	*	50
69. STARRY FLOUNDER	1	0	*	5	11	0	*	*	19
70. CALIFORNIA HALIBUT	0	*	*	1	16	1	*	0	18
71. PACIFIC SANDDAB	56	0	*	0	164	69	*	0	290
72. ROCK SOLE	*	0	*	0	1	1	*	*	3
73. FLATFISHES, OTHER	25	0	*	1	30	5	*	*	61
74. SALMONIDS	0	0	*	2	3	1	*	*	7
75. OTHER FISH	48	13	*	51	66	9	*	*	186
TOTAL	1,472	106	6	1,588	3,283	2,667	0	49	9,172

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1965---DEC 1965.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	*	*	2	*	0	*	*	*	2
06. NORTHERN ANCHOVY	10	0	3	*	*	*	*	*	13
07. SURF SMELT	5	*	*	304	*	*	*	*	309
08. SMELTS, OTHER	3	*	*	*	*	*	*	*	3
10. PACIFIC TONGOD	*	0	*	0	*	*	*	*	0
14. JACKSMELT	4	*	0	*	*	*	*	*	4
15. BLACK ROCKFISH	0	4	*	0	245	0	*	*	249
16. BLUE ROCKFISH	*	1	*	*	6	*	*	*	7
17. BROWN ROCKFISH	*	0	*	0	1	*	*	*	2
19. CANARY ROCKFISH	*	*	*	*	25	*	*	*	25
21. COPPER ROCKFISH	*	0	*	0	15	*	*	*	15
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	0	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSE ROCKFISH	*	*	*	*	2	*	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	3	*	*	*	3
31. YELLOWTAIL ROCKFISH	*	*	*	*	16	*	*	*	16
33. ROCKFISHES, OTHER	1	4	0	1	136	0	*	*	141
34. KELP GREENLING	0	4	*	4	4	0	*	*	12
35. LINGCOD	*	0	*	0	49	*	*	*	49
36. GREENLINGS, OTHER	0	1	*	1	0	*	*	*	3
37. SABLEFISH	*	*	*	*	0	*	*	*	0
38. CABEZON	0	1	*	1	5	*	*	*	7
39. PAC. STAGHORN SCULPIN	0	*	*	0	0	*	*	*	1
40. SCULPINS, OTHER	8	2	*	1	1	*	*	*	12
50. CROAKERS, OTHER	*	*	*	*	0	*	*	*	0
55. PILE PERCH	0	0	*	1	*	*	*	*	1
56. REDTAIL SURFPERCH	0	0	*	2	1	*	*	*	3
58. SHINER PERCH	1	*	*	0	*	*	*	*	1
59. SILVER SURFPERCH	46	1	*	9	*	*	*	*	56
60. STRIPED SEAPERCH	0	1	*	3	1	*	*	*	4
61. WALLEYE SURFPERCH	14	0	1	1	*	*	*	*	16
62. WHITE SEAPERCH	6	0	*	2	*	*	*	*	8
63. SURFPERCHES, OTHER	66	1	*	4	0	*	*	*	71
69. STARRY FLOUNDER	*	*	*	0	0	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	17	*	*	*	17
72. ROCK SOLE	*	*	*	0	*	*	*	*	0
73. FLATFISHES, OTHER	1	0	*	0	4	*	*	*	5
74. SALMONIDS	0	0	*	2	2	*	*	*	4
75. OTHER FISH	*	0	*	0	1	*	*	*	2
TOTAL	163	22	6	358	540	1	0	0	1,091

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1965---DEC 1965.

GROUP	PIER & DOCK BREAKWATER	JETTY &	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK OTHER	*	0	*	*	*	*	*	0
05. PACIFIC HERRING	211	*	*	*	*	*	*	211
07. SURF SMELT	*	*	*	301	*	*	*	301
14. JACKSMELT	0	0	*	*	*	*	*	0
15. BLACK ROCKFISH	*	1	*	1	*	*	6	7
16. BLUE ROCKFISH	*	*	*	2	*	*	7	9
19. CANARY ROCKFISH	*	0	*	*	*	*	0	0
20. CHILIPEPPER ROCKFISH	1	*	*	*	*	*	*	1
21. COPPER ROCKFISH	*	0	*	*	*	*	0	0
23. GREENSPOTTED ROCKFISH	0	*	*	*	*	*	*	0
29. VERMILION ROCKFISH	*	0	*	*	*	*	0	0
31. YELLOWTAIL ROCKFISH	0	*	*	*	*	*	0	0
33. ROCKFISHES, OTHER	*	0	*	2	*	*	2	4
34. KELP GREENLING	*	1	*	11	*	*	1	12
35. LINGCOD	0	0	*	1	*	*	2	3
36. GREENLINGS, OTHER	0	0	*	14	*	*	0	14
38. CABEZON	*	0	*	6	*	*	0	6
39. PAC. STAGHORN SCULPIN	2	8	*	6	*	*	*	16
40. SCULPINS, OTHER	*	1	*	2	*	*	*	4
44. STRIPED BASS	*	*	*	0	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	0	0
56. REDTAIL SURPPERCH	*	0	*	14	*	*	*	14
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	0	0
58. SHINER PERCH	3	*	*	*	*	*	*	3
59. SILVER SURPPERCH	*	0	*	3	*	*	*	3
60. STRIPED SEAPERCH	*	2	*	8	*	*	2	11
61. WALLEYE SURPPERCH	1	*	*	0	*	*	*	1
62. WHITE SEAPERCH	1	0	*	*	*	*	*	1
63. SURPPERCHES, OTHER	2	0	*	16	*	*	*	19
69. STARRY FLOUNDER	*	0	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	0
75. OTHER FISH	0	1	*	5	*	*	*	7
TOTAL	222	17	0	393	0	0	0	650

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	21	7	*	*	28
16. BLUE ROCKFISH	*	*	*	*	23	53	*	*	76
18. BOCCACCIO	*	*	*	*	*	1	*	*	1
19. CANARY ROCKFISH	*	*	*	*	13	6	*	*	20
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	8	0	*	*	9
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	10	*	*	10
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	8	*	*	8
26. GULLBACK ROCKFISH	*	*	*	*	*	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	2	3	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	0	3	*	*	3
31. YELLOWTAIL ROCKFISH	*	*	*	*	3	14	*	*	17
33. ROCKFISHES, OTHER	*	*	*	*	11	3	*	*	14
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	19	4	*	*	23
38. CABEZON	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	27	26	*	*	51
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	1	0	*	*	1
74. SALMONIDS	*	*	*	*	1	1	*	*	2
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	133	138	0	0	271

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	0	*	*	0
04. STURGEONS	*	*	*	*	0	*	*	*	0
14. JACKSMILT	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	7	1	*	*	8
16. BLUE ROCKFISH	*	*	*	*	23	11	*	*	36
17. BROWN ROCKFISH	*	*	*	*	11	14	*	*	25
18. BOCCACCIO	*	*	*	*	*	3	*	*	3
19. CANARY ROCKFISH	*	*	*	*	3	8	*	*	11
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	18	*	*	18
21. COPPER ROCKFISH	*	*	*	*	16	3	*	*	18
22. GOPHER ROCKFISH	*	*	*	*	2	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	10	*	*	10
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	0	1	*	*	1
26. GULLBACK ROCKFISH	*	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	7	4	*	*	10
28. STARRY ROCKFISH	*	*	*	*	0	1	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	*	0	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	38	*	*	45
33. ROCKFISHES, OTHER	*	*	*	*	33	7	*	*	40
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	20	1	*	*	21
39. PAC. STAGHORN SCULPIN	*	*	*	*	77	*	*	*	77
44. STRIPED BASS	*	*	*	*	9	*	*	*	9
60. STRIPED SEAPERCH	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	*	*	1	*	*	1
73. FLATFISHES, OTHER	*	*	*	*	0	0	*	*	0
74. SALMONIDS	*	*	*	*	0	0	*	*	0
75. OTHER FISH	*	*	*	*	0	0	*	*	0
TOTAL	0	0	0	0	220	123	0	0	343

TABLE 8. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1965---DEC 1965.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	0	*	6	57	6	*	*	71
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	1	0	*	6	142	3	*	*	152
04. STURGEONS	0	*	*	*	14	1	*	*	15
05. PACIFIC HERRING	*	*	*	0	*	*	*	*	0
06. NORTHERN ANCHOVY	8	*	*	0	*	*	*	*	8
07. SURF SHEL	0	*	*	202	*	*	*	*	203
10. PACIFIC TOMCOD	1	*	*	*	*	*	*	*	1
12. PACIFIC HAKE	*	1	*	*	0	5	*	*	6
14. JACKSMELT	24	1	*	4	1	*	*	*	30
15. BLACK ROCKFISH	*	*	*	*	13	66	*	*	79
16. BLUE ROCKFISH	*	0	*	1	22	109	*	*	132
17. BROWN ROCKFISH	9	1	*	23	38	36	*	*	108
18. BOCCACCIO	*	0	*	*	*	14	*	*	15
19. CANARY ROCKFISH	*	*	*	*	6	43	*	*	48
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	23	*	*	23
21. COPPER ROCKFISH	*	*	*	*	1	10	*	*	11
22. GOPHER ROCKFISH	*	0	*	*	2	2	*	*	4
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	23	*	*	23
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	*	2
25. OLIVE ROCKFISH	*	0	*	*	*	13	*	*	13
26. QUILLBACK ROCKFISH	*	*	*	*	0	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	12	*	*	12
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	8	*	*	8
30. WIDOW ROCKFISH	*	*	*	*	*	7	*	*	7
31. YELLOWTAIL ROCKFISH	*	0	*	*	2	173	*	*	175
33. ROCKFISHES, OTHER	3	2	*	5	43	67	*	*	120
34. KELP GREENLING	0	0	*	1	1	1	*	*	5
35. LINGCOD	0	1	*	2	8	16	*	*	27
36. GREENLINGS, OTHER	1	*	*	1	*	*	*	*	1
38. CABEZON	1	1	*	6	*	3	*	*	10
39. PAC. STAGHORN SCULPIN	127	14	*	186	244	8	*	*	578
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
44. STRIPED BASS	2	2	*	6	67	6	*	*	83
48. WHITE CRONKER	29	2	*	2	45	4	*	*	81
53. BARRED SURFFERCH	1	*	*	5	1	*	*	*	7
54. BLACK PERCH	4	0	*	1	3	*	*	*	8
55. PILE PERCH	3	*	*	1	6	*	*	*	10
56. REDTAIL SURFFERCH	*	*	*	7	*	*	*	*	7
57. RUBBERLIP SEAPERCH	1	0	*	*	0	*	*	*	1
58. SHINER PERCH	27	9	*	101	17	*	*	*	153
59. SILVER SURFFERCH	7	6	*	5	1	*	*	*	19
60. STRIPED SEAPERCH	1	*	*	4	*	*	*	*	5
61. WALLEYE SURFFERCH	10	*	*	2	1	*	*	*	12
62. WHITE SEAPERCH	3	*	*	*	*	*	*	*	3
63. SURFFERCHES, OTHER	16	2	*	15	15	*	*	*	48
67. PACIFIC MACKEREL	1	*	*	*	1	8	*	*	10
69. STARRY FLOUNDER	1	0	*	5	10	0	*	*	16
70. CALIFORNIA HALIBUT	*	*	*	*	2	1	*	*	3
71. PACIFIC SANDDAB	3	0	*	*	*	1	*	*	4
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	1	*	1	*	*	2
74. SALMONIDS	*	*	*	*	0	0	*	*	1
75. OTHER FISH	19	10	*	43	46	2	*	*	120
TOTAL	303	55	0	639	812	677	0	0	2,486

TABLE 9. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	1	1	*	*	*	2
03. SHARK, OTHER	*	*	*	*	*	0	*	*	0
07. SURF SMELT	*	*	*	202	*	*	*	*	202
10. PACIFIC TOMCOD	0	*	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	1	*	*	0	5	*	*	6
14. JACKSMELT	*	*	*	1	*	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	13	66	*	*	79
16. BLUE ROCKFISH	*	0	*	1	21	109	*	*	130
17. BROWN ROCKFISH	1	0	*	*	14	36	*	*	51
18. BOCCACCIO	*	0	*	*	*	14	*	*	15
19. CANARY ROCKFISH	*	*	*	*	5	43	*	*	48
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	23	*	*	23
21. COPPER ROCKFISH	*	*	*	*	1	10	*	*	11
22. GOPHER ROCKFISH	*	*	*	*	2	2	*	*	4
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	*	2
25. OLIVE ROCKFISH	*	0	*	*	*	13	*	*	13
26. GULLBACK ROCKFISH	*	*	*	*	0	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	12	*	*	12
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	8	*	*	8
30. WIDOW ROCKFISH	*	*	*	*	*	7	*	*	7
31. YELLOWTAIL ROCKFISH	*	0	*	*	2	173	*	*	175
33. ROCKFISHES, OTHER	*	2	*	1	23	67	*	*	92
34. KELP GREENLING	*	0	*	0	1	1	*	*	3
35. LINGCOD	*	1	*	1	6	16	*	*	25
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	*	1
38. CABEZON	*	1	*	2	*	3	*	*	6
39. PAC. STAGHORN SCULPIN	33	6	*	0	1	1	*	*	41
44. STRIPED BASS	*	*	*	4	16	0	*	*	20
48. WHITE CROAKER	23	2	*	*	15	3	*	*	43
53. BARRED SURFFERCH	1	*	*	4	*	*	*	*	5
56. REDTAIL SURFFERCH	*	*	*	7	*	*	*	*	7
58. SHINER PERCH	2	*	*	*	*	*	*	*	2
59. SILVER SURFFERCH	2	6	*	4	*	*	*	*	12
60. STRIPED SEAPERCH	0	*	*	4	*	*	*	*	4
61. WALLEYE SURFFERCH	1	*	*	1	*	*	*	*	2
63. SURFFERCHES, OTHER	4	0	*	8	3	*	*	*	15
67. PACIFIC MACKEREL	*	*	*	*	*	8	*	*	8
69. STARRY FLOUNDER	0	*	*	*	0	0	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	1	*	*	1
71. PACIFIC SANDDAB	2	0	*	*	*	1	*	*	3
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	0	*	*	1
74. SALMONIDS	*	*	*	*	0	0	*	*	1
75. OTHER FISH	0	5	*	*	8	2	*	*	14
TOTAL	69	26	0	242	135	653	0	0	1,128

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1965--DEC 1965.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	0	*	5	56	6	*	69
02. SPINY DOGFISH	*	*	*	*	1	*	*	1
03. SHARK, OTHER	1	0	*	6	142	2	*	151
04. STURGEONS	0	*	*	*	14	1	*	15
05. PACIFIC HERRING	*	*	*	0	*	*	*	0
06. NORTHERN ANCHOVY	8	*	*	0	*	*	*	8
07. SURF SMELT	0	*	*	*	*	*	*	0
10. PACIFIC TOMCOD	0	*	*	*	*	*	*	0
14. JACKSMELT	24	1	*	3	1	*	*	29
16. BLUE ROCKFISH	*	*	*	*	0	*	*	0
17. BROWN ROCKFISH	8	1	*	23	24	*	*	56
19. CANARY ROCKFISH	*	*	*	*	0	*	*	0
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	0
33. ROCKFISHES, OTHER	3	0	*	4	21	0	*	28
34. KELP GREENLING	0	*	*	1	*	*	*	1
35. LINGCOD	0	*	*	0	1	*	*	2
36. GREENLINGS, OTHER	1	*	*	*	*	*	*	4
38. CABEZON	1	*	*	3	*	*	*	4
39. PAC. STAGHORN SCULPIN	93	8	*	186	243	7	*	537
40. SCULPINS, OTHER	0	*	*	*	*	*	*	0
44. STRIPED BASS	2	2	*	2	51	6	*	63
48. WHITE CROAKER	6	*	*	2	29	1	*	38
53. BARRED SURFFERCH	*	*	*	0	1	*	*	2
54. BLACK PERCH	4	0	*	1	3	*	*	8
55. PILE PERCH	3	*	*	1	6	*	*	10
57. RUBBERLIP SEAPERCH	1	0	*	*	0	*	*	1
58. SHINER PERCH	25	9	*	101	17	*	*	152
59. SILVER SURFFERCH	5	*	*	1	1	*	*	7
60. STRIPED SEAPERCH	1	*	*	*	*	*	*	1
61. WALLEYE SURFFERCH	9	*	*	1	1	*	*	10
62. WHITE SEAPERCH	3	*	*	*	*	*	*	3
63. SURFFERCHES, OTHER	13	2	*	7	13	*	*	34
67. PACIFIC MACKEREL	1	*	*	*	1	*	*	2
69. STARRY FLOUNDER	1	0	*	5	9	0	*	15
70. CALIFORNIA HALIBUT	*	*	*	*	1	0	*	1
71. PACIFIC SANDDAB	2	*	*	*	*	*	*	2
73. FLATFISHES, OTHER	*	*	*	1	*	0	*	1
75. OTHER FISH	19	6	*	43	38	1	*	106
TOTAL	233	29	0	397	676	24	0	1,360

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	*	2	*	*	4
03. SHARK, OTHER	0	*	*	0	5	0	*	*	6
05. NORTHERN ANCHOVY	0	*	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	3	130	*	*	133
14. JACKSMELT	10	5	*	9	5	*	*	*	30
15. BLACK ROCKFISH	*	*	*	*	32	2	*	2	36
16. BLUE ROCKFISH	*	*	*	*	87	147	*	*	236
17. BROWN ROCKFISH	5	*	*	0	45	6	*	*	56
18. BOCACCI	1	*	*	*	10	48	*	0	60
19. CANARY ROCKFISH	*	*	*	*	20	16	*	*	36
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	206	*	*	207
21. COPPER ROCKFISH	*	*	*	*	8	5	*	1	14
22. GOPHER ROCKFISH	*	*	*	*	42	5	*	2	46
23. GREENSPOTTED ROCKFISH	*	*	*	*	5	48	*	*	53
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	26	*	*	27
25. OLIVE ROCKFISH	*	*	*	*	3	22	*	1	26
26. QUILLBACK ROCKFISH	*	*	*	*	0	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	12	26	*	*	38
28. STARRY ROCKFISH	*	*	*	*	2	12	*	*	14
29. VERMILION ROCKFISH	*	*	*	*	4	4	*	*	8
30. WIDOW ROCKFISH	*	*	*	*	*	21	*	*	21
31. YELLOWTAIL ROCKFISH	*	*	*	*	14	94	*	*	108
33. ROCKFISHES, OTHER	6	0	*	1	117	107	*	16	247
34. KELP GREENLING	*	*	*	1	3	*	*	1	5
35. LINGCOD	0	*	*	*	9	21	*	1	31
37. SABLEFISH	*	*	*	*	1	22	*	*	23
38. CABEZON	1	0	*	2	1	*	*	1	5
39. PAC. STAGHORN SCULPIN	162	2	*	9	12	*	*	*	186
40. SCULPINS, OTHER	1	*	*	*	*	*	*	*	1
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	101	*	*	1	390	3	*	*	495
53. BARRED SURFPERCH	8	0	*	43	*	*	*	*	51
54. BLACK PERCH	3	*	*	2	0	*	*	0	5
55. PILE PERCH	2	*	*	1	*	*	*	0	3
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	1	1
58. SHINER PERCH	9	*	*	*	*	*	*	*	9
59. SILVER SURFPERCH	0	*	*	6	*	*	*	*	6
60. STRIPED SEAPERCH	*	0	*	3	*	*	*	0	4
61. WALLEYE SURFPERCH	33	1	*	3	0	*	*	*	37
62. WHITE SEAPERCH	23	0	*	0	*	*	*	*	24
63. SURFPERCHES, OTHER	74	1	*	15	6	*	*	1	98
66. PACIFIC BONITO	*	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	1	*	*	*	19	68	*	*	87
68. TUNAS	*	*	*	*	9	14	*	*	23
69. STARRY FLOUNDER	0	*	*	*	1	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	0	1
71. PACIFIC SANDDAB	53	0	*	0	119	43	*	0	216
72. ROCK SOLE	*	*	*	*	1	1	*	*	2
73. FLATFISHES, OTHER	22	0	*	0	25	2	*	*	49
74. SALMONIDS	0	0	*	*	0	*	*	*	0
75. OTHER FISH	19	1	*	1	11	6	*	*	37
TOTAL	536	10	0	98	1,025	1,105	0	31	2,806

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	3	*	*	*	3
03. SHARK, OTHER	*	0	*	*	2	0	*	*	2
05. NORTHERN ANCHOVY	0	*	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	0	0	*	*	0
14. JACKSMELT	26	*	*	6	3	*	*	*	33
15. BLACK ROCKFISH	*	*	*	*	26	2	*	*	28
16. BLUE ROCKFISH	*	*	*	*	113	25	*	*	138
17. BROWN ROCKFISH	1	*	*	*	18	5	*	*	23
18. BOGACCIO	81	*	*	*	3	34	*	*	119
19. CANARY ROCKFISH	*	*	*	*	12	6	*	*	17
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	113	*	*	113
21. COPPER ROCKFISH	*	*	*	*	9	5	*	*	14
22. GOPHER ROCKFISH	*	*	*	1	64	22	*	*	87
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	13	*	*	15
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	6	*	*	6
25. OLIVE ROCKFISH	*	*	*	*	14	14	*	*	28
26. QUILLBACK ROCKFISH	*	*	*	*	*	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	6	21	*	*	27
28. STARRY ROCKFISH	*	*	*	*	4	21	*	*	25
29. VERMILION ROCKFISH	*	*	*	*	8	7	*	*	15
30. WIDOW ROCKFISH	*	*	*	*	1	30	*	*	31
31. YELLOWTAIL ROCKFISH	*	*	*	*	17	135	*	*	152
33. ROCKFISHES, OTHER	*	*	*	5	110	97	*	*	212
34. KELP GREENLING	*	*	*	0	1	*	*	*	2
35. LINGCOD	0	*	*	0	8	4	*	*	13
36. GREENLINGS, OTHER	*	*	*	0	*	0	*	*	0
37. SABLEFISH	*	*	*	*	*	1	*	*	1
38. CABEZON	2	0	*	2	3	0	*	*	8
39. PAC. STAGHORN SCULPIN	40	*	*	1	2	*	*	*	43
41. BARRED SAND BASS	0	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
46. YELLOWTAIL	*	*	*	*	0	*	*	*	0
48. WHITE CROAKER	36	0	*	0	44	*	*	*	80
51. OPALEYE	*	*	*	5	*	*	*	*	5
53. BARRED SURFPERCH	2	*	*	22	0	*	*	*	24
54. BLACK PERCH	*	*	*	4	*	*	*	*	4
55. PILE PERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	1	*	*	0	*	*	*	*	2
59. SILVER SURFPERCH	*	*	*	26	*	*	*	*	26
60. STRIPED SEAPERCH	0	*	*	1	*	*	*	*	1
61. WALLEYE SURFPERCH	2	*	*	2	1	*	*	*	4
63. SURFPERCHES, OTHER	3	*	*	19	1	*	*	*	23
65. PACIFIC BARRACUDA	0	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	0	*	*	*	*	0
67. PACIFIC MACKEREL	43	*	*	0	52	38	*	*	133
68. TUNAS	*	*	*	*	*	20	*	*	27
69. STARRY FLOUNDER	0	*	*	0	0	*	*	*	0
70. CALIFORNIA HALIBUT	0	*	*	1	12	*	*	*	13
71. PACIFIC SANDGAB	*	*	*	*	1	1	*	*	2
72. ROCK SOLE	*	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	2	*	*	*	1	1	*	*	4
75. OTHER FISH	10	*	*	1	8	1	*	*	20
TOTAL	248	1	0	100	554	622	0	0	1,525

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1965--DEC 1965.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	32	8	24	0	0	80	*	*	*	32	8	24
02. SPINY DOGFISH	*	*	*	0	0	100	0	0	100	3	2	55	2	1	51	6	2	38
03. SHARK, OTHER	*	*	*	0	0	100	4	1	37	1	0	57	2	1	92	6	2	45
04. STURGEONS	*	*	*	*	*	*	8	3	35	*	*	*	*	*	*	*	*	18
05. PACIFIC HERRING	2	3	172	211	143	68	*	*	*	*	*	*	*	*	*	213	143	67
06. NORTHERN ANCHOVY	4	4	97	*	*	*	2	2	85	0	0	149	0	0	100	7	4	68
07. SURF SHELTER	309	318	103	301	181	60	203	220	108	*	*	*	*	*	*	813	427	328
10. PACIFIC TOMCOD	0	0	78	*	*	*	1	0	71	*	*	*	*	*	*	1	0	78
12. PACIFIC HAKE	*	*	*	*	*	*	2	1	57	83	37	39	1	0	60	95	37	27
14. JACKSHELT	4	10	280	1	0	50	28	10	36	27	9	33	29	17	60	89	27	
15. BLACK ROCKFISH	241	184	77	43	26	60	79	32	41	36	13	37	28	17	64	426	190	45
16. BLUE ROCKFISH	7	3	48	117	47	40	127	48	37	212	53	20	120	78	62	599	115	28
17. BROWN ROCKFISH	1	1	61	25	6	24	87	19	22	53	17	31	23	14	26	189	78	16
18. BOACCIO	*	*	*	4	1	27	15	6	39	59	14	23	110	75	8	187	29	41
19. CANARY ROCKFISH	25	22	85	31	15	50	48	14	30	36	8	23	17	49	158	32	21	
20. CHILLIPEPPER ROCKFISH	*	*	*	19	4	21	23	8	36	207	80	39	112	83	74	361	116	32
21. COPPER ROCKFISH	15	14	96	27	15	57	11	4	41	14	6	28	85	46	46	318	28	37
22. GOPHER ROCKFISH	*	*	*	3	2	85	4	2	42	46	13	18	48	57	57	138	51	24
23. GREENSPOTTED ROCKFISH	0	0	73	20	5	25	2	10	1	53	33	20	15	81	113	21	19	
24. GREENSTRIPED ROCKFISH	*	*	*	10	4	40	2	1	53	27	7	25	6	61	44	21	28	
25. OLIVE ROCKFISH	*	*	*	1	0	31	13	10	79	26	8	30	28	15	55	68	20	28
26. GULLBACK ROCKFISH	5	4	96	0	0	50	1	1	53	1	0	44	0	0	100	5	5	
27. ROSY ROCKFISH	2	2	100	0	5	57	8	3	32	38	0	22	27	15	100	4	18	
28. STARRY ROCKFISH	2	2	96	2	0	1	1	1	1	14	3	22	15	16	8	42	16	10
29. VERMILION ROCKFISH	3	3	96	2	1	62	8	3	43	8	2	20	15	8	54	36	27	
30. WIDOW ROCKFISH	*	*	*	4	1	32	7	5	36	21	7	34	31	30	68	64	31	48
31. YELLOWTAIL ROCKFISH	16	14	87	21	9	14	175	31	28	107	27	20	152	106	69	513	121	24
33. ROCKFISHES, OTHER	132	106	80	24	7	28	47	19	1	116	16	14	172	98	57	482	146	25
34. KELP GREENLING	10	4	38	5	5	29	4	1	7	5	2	17	2	47	14	24	7	8
35. LINGCOD	49	35	72	45	20	45	21	7	35	8	2	25	8	48	151	42	28	
36. GREENLINGS, OTHER	1	1	88	13	6	44	1	1	100	*	*	*	*	*	15	6	39	
37. SABLEFIN	0	0	100	7	2	37	7	3	42	21	10	46	1	2	22	22	47	
38. CABEZON	6	3	47	7	2	37	7	3	42	3	3	46	5	5	107	10	19	
39. PAC. STAGHORN SCULPIN	1	0	78	1	1	67	53	17	0	6	2	25	2	111	63	18	28	
40. SCULPINS, OTHER	1	0	59	2	1	55	0	0	103	*	*	*	*	*	3	1	42	
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	1	0	0	1	6	75
44. STRIPED BASS	*	*	*	6	5	79	50	15	29	0	0	100	0	0	0	57	10	27
46. YELLOWTAIL	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
48. WHITE CROAKER	*	*	*	*	*	*	65	27	42	379	136	36	49	26	54	498	141	29
50. CROAKERS, OTHER	0	0	100	*	*	*	*	*	*	*	*	*	0	0	0	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	4	3	69	4	3	69
53. BARRED SURFPERCH	*	*	*	*	*	*	7	3	48	47	20	43	21	11	75	23	31	
54. BLACK PERCH	*	*	*	*	*	*	8	3	35	5	3	35	3	3	17	4	26	
55. PILE PERCH	1	2	169	0	0	74	10	4	40	3	1	44	1	1	15	5	53	
56. REDTAIL SURFPERCH	20	19	95	13	7	56	7	6	95	*	*	*	*	*	46	2	53	
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	1	1	58	1	0	78	1	0	0	2	37	
58. SHINER PERCH	1	0	73	3	2	76	133	96	72	9	6	63	1	1	146	98	66	
59. SILVER SURFPERCH	50	165	329	12	2	70	17	8	45	6	3	55	20	12	166	172	28	
60. STRIPED SEAPERCH	4	2	53	3	6	50	5	3	49	4	4	55	1	1	28	49	79	
61. WALLEYE SURFPERCH	16	46	288	1	1	92	12	4	36	30	16	54	3	3	61	49	79	
62. WHITE SEAPERCH	6	4	72	1	1	71	3	2	52	16	9	35	*	*	26	10	38	
63. SURFPERCHES, OTHER	63	224	357	13	9	70	9	4	48	15	3	23	12	7	111	225	202	
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	100
66. PACIFIC BONITO	*	*	*	0	0	92	2	1	61	0	0	100	*	*	0	0	100	
67. PACIFIC MACKEREL	*	*	*	0	0	92	2	1	61	61	13	21	76	40	52	139	42	30
68. TUNAS	*	*	*	*	*	*	*	*	*	23	6	27	27	17	62	50	18	36
69. STARRY FLOUNDER	0	0	83	0	0	92	6	2	33	1	1	65	1	1	8	8	23	
70. CALIFORNIA HALIBUT	*	*	*	2	2	97	3	2	40	0	0	39	3	2	8	8	37	
71. PACIFIC SANDDAB	17	15	89	50	28	55	2	2	21	189	46	24	46	24	260	55	21	
72. ROCK SOLE	*	*	*	0	0	67	0	0	129	2	1	40	0	0	88	3	1	33
73. FLATFISHES, OTHER	4	2	64	1	1	65	2	1	57	11	2	22	1	1	62	19	4	20
74. SALMONIDS	3	2	62	2	1	45	1	1	57	0	0	22	*	*	*	4	2	24
75. OTHER FISH	0	0	112	1	1	64	26	14	53	8	2	30	8	4	54	46	14	46
TOTAL	1,021	479	47	1,112	241	22	1,412	258	18	2,070	186	9	1,269	217	17	6,885	660	10

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1985--DEC 1985.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	134	15	6	341	523	1	*	0
MENDOCINO/SONOMA (NON-BOAT MODES)	218	6	*	372	*	*	*	18
MENDOCINO (BOAT MODES)	*	*	*	*	127	138	*	*
SONOMA (BOAT MODES)	*	*	*	*	110	122	*	*
SAN FRANCISCO	135	26	*	419	218	614	*	*
SANTA CRUZ/MONTEREY	232	7	*	69	760	972	*	31
SAN LUIS OBISPO	177	0	*	75	426	591	*	*
TOTAL	896	54	6	1,276	2,165	2,438	0	49
								6,885

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1965---DEC 1965.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	*	*	1	25	5	*	*	32
02. SPINY DOGFISH	*	*	*	*	3	2	*	*	6
03. SHARK, OTHER	0	*	*	1	3	2	*	*	6
04. STURGEONS	*	*	*	*	7	1	*	*	8
05. PACIFIC HERRING	211	*	2	*	0	*	*	*	213
06. NORTHERN ANCHOVY	4	0	3	*	*	*	*	*	7
07. SURF SMELT	5	*	*	808	*	*	*	*	813
08. SMELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	1	0	*	0	2	*	*	*	1
12. PACIFIC HAKE	*	*	*	*	2	93	*	*	95
14. JACKSMELT	59	6	0	16	7	*	*	*	89
15. BLACK ROCKFISH	0	3	*	1	34	78	*	*	425
16. BLUE ROCKFISH	*	1	*	1	250	328	*	*	589
17. BROWN ROCKFISH	11	2	*	8	107	60	*	*	189
18. BOCACCIO	74	0	*	*	12	101	*	0	187
19. CANARY ROCKFISH	*	0	*	*	78	79	*	0	158
20. CHILIPEPPER ROCKFISH	1	*	*	*	1	359	*	*	361
21. COPPER ROCKFISH	*	0	*	0	57	23	*	1	81
22. GOPHER ROCKFISH	*	0	*	*	109	27	*	2	138
23. GREENSPOTTED ROCKFISH	0	*	*	*	6	106	*	*	113
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	43	*	*	44
25. OLIVE ROCKFISH	*	0	*	*	17	49	*	1	68
26. QUILLBACK ROCKFISH	*	*	*	*	5	2	*	*	8
27. ROSY ROCKFISH	*	*	*	*	30	60	*	*	90
28. STARRY ROCKFISH	*	*	*	*	6	36	*	*	42
29. VERMILION ROCKFISH	*	0	*	*	16	19	*	0	35
30. WIDOW ROCKFISH	*	*	*	*	1	62	*	*	64
31. YELLOWTAIL ROCKFISH	0	0	*	*	58	454	*	0	513
33. ROCKFISHES, OTHER	2	5	0	9	266	192	*	18	492
34. KELP GREENLING	1	4	*	14	12	1	*	2	34
35. LINGCOD	0	1	*	2	104	41	*	3	151
36. GREENLING, OTHER	0	1	*	13	0	*	*	0	15
37. SABLEFISH	*	*	*	*	1	21	*	*	22
38. CABEZON	1	2	*	12	9	3	*	1	28
39. PAC. STAGHORN SOULPIN	20	1	*	34	7	*	*	*	63
40. SCULPINS, OTHER	0	1	*	2	0	*	*	*	3
41. BARRED SAND BASS	0	*	*	0	*	*	*	*	1
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	2	2	*	5	44	4	*	*	57
46. YELLOWTAIL	*	*	*	*	0	*	*	*	0
48. WHITE CRONKER	145	1	*	2	341	4	*	*	493
50. CRONKERS, OTHER	*	*	*	*	0	*	*	*	0
51. OPALLEYE	*	*	*	4	*	*	*	*	4
53. BARRED SURFPERCH	8	0	*	65	1	*	*	*	75
54. BLACK PERCH	6	0	*	7	3	*	*	0	17
55. PILE PERCH	5	0	*	4	6	*	*	0	15
56. REDTAIL SURFPERCH	0	0	*	40	1	*	*	*	40
57. RUBBERLIP SEAPERCH	1	*	*	1	0	*	*	1	2
58. SHINER PERCH	36	9	*	99	2	*	*	*	146
59. SILVER SURFPERCH	52	8	*	35	1	*	*	*	98
60. STRIPED SEAPERCH	2	2	*	18	1	*	*	2	25
61. WALLEYE SURFPERCH	51	1	1	7	1	*	*	*	61
62. WHITE SEAPERCH	24	1	*	2	*	*	*	*	28
63. SURFPERCHES, OTHER	72	0	*	37	1	*	*	1	111
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	*	0	*	*	0
67. PACIFIC MACKEREL	42	*	*	*	32	66	*	*	139
68. TUNAS	*	*	*	*	17	34	*	*	50
69. STARRY FLOUNDER	1	0	*	1	6	0	*	*	8
70. CALIFORNIA HALIBUT	0	*	*	1	6	1	*	0	8
71. PACIFIC SANDDAB	48	0	*	*	144	68	*	0	260
72. ROCK SOLE	*	0	*	*	1	1	*	*	3
73. FLATFISHES, OTHER	2	0	*	1	11	5	*	*	19
74. SALMONIDS	0	0	*	1	3	1	*	*	6
75. OTHER FISH	7	1	*	24	5	5	*	*	43
TOTAL	896	54	6	1,276	2,165	2,438	0	49	6,885

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	*	*	2	*	0	*	*	*	2
06. NORTHERN ANCHOVY	1	0	3	*	*	*	*	*	4
07. SURF SMELT	5	*	*	30%	*	*	*	*	309
08. SHELTS, OTHER	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	0	*	0	*	*	*	*	0
14. JACKSMELT	4	*	0	*	*	*	*	*	4
15. BLACK ROCKFISH	0	3	*	0	237	0	*	*	241
16. BLUE ROCKFISH	*	1	*	*	6	*	*	*	7
17. BROWN ROCKFISH	*	0	*	0	1	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	25	*	*	*	25
21. COPPER ROCKFISH	*	0	*	0	15	*	*	*	15
23. GREENSPOTTED ROCKFISH	*	*	*	*	5	0	*	*	5
26. GULLBACK ROCKFISH	*	*	*	*	5	*	*	*	5
27. ROSY ROCKFISH	*	*	*	*	2	*	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	3	*	*	*	3
31. YELLOWTAIL ROCKFISH	*	*	*	*	16	*	*	*	16
33. ROCKFISHES, OTHER	0	2	0	0	129	0	*	*	132
34. KELP GREENLING	0	3	*	2	0	0	*	*	10
35. LINGCOD	*	0	*	0	48	*	*	*	49
36. GREENLINGS, OTHER	0	1	*	0	0	*	*	*	1
37. SABLEFISH	*	*	*	*	0	*	*	*	0
38. CABEZON	0	1	*	1	5	*	*	*	6
39. PAC. STAGHORN SOULPIN	0	0	*	0	0	*	*	*	1
40. SOULPINS, OTHER	0	*	*	*	0	*	*	*	0
50. CROAKERS, OTHER	*	*	*	*	0	*	*	*	0
55. PILE PERCH	0	0	*	1	*	*	*	*	1
56. REDTAIL SURFPERCH	0	0	*	20	1	*	*	*	20
58. SHINER PERCH	0	*	*	*	*	*	*	*	1
59. SILVER SURFPERCH	46	1	*	3	*	*	*	*	50
60. STRIPED SEAPERCH	0	1	*	2	1	*	*	*	4
61. WALLEYE SURFPERCH	14	0	1	1	*	*	*	*	16
62. WHITE SEAPERCH	4	0	*	2	*	*	*	*	6
63. SURFPERCHES, OTHER	59	0	*	3	*	*	*	*	63
69. STARRY FLUNDER	*	*	*	0	0	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	17	*	*	*	17
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	4	*	*	*	4
74. SALMONIDS	0	0	*	1	2	*	*	*	3
75. OTHER FISH	*	0	*	0	0	*	*	*	0
TOTAL	134	15	6	341	523	1	0	0	1,021

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	211	*	*	*	*	*	*	*	211
07. SURF SMELT	*	*	*	301	*	*	*	*	301
14. JACKSMELT	0	0	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	1	*	1	*	*	*	6	7
16. BLUE ROCKFISH	*	*	*	1	*	*	*	7	7
19. CANARY ROCKFISH	*	0	*	*	*	*	*	0	0
20. CHILIPEPPER ROCKFISH	1	0	*	*	*	*	*	*	1
21. COPPER ROCKFISH	*	0	*	*	*	*	*	*	0
23. GREENSPOTTED ROCKFISH	0	*	*	*	*	*	*	*	0
29. VERMILION ROCKFISH	*	0	*	*	*	*	*	0	0
31. YELLOWTAIL ROCKFISH	0	*	*	*	*	*	*	0	0
33. ROCKFISHES, OTHER	*	0	*	1	*	*	*	2	3
34. KELP GREENLING	*	1	*	10	*	*	*	1	13
35. LINGCOD	*	0	*	0	*	*	*	2	2
36. GREENLINGS, OTHER	*	0	*	12	*	*	*	0	13
38. CABEZON	*	0	*	5	*	*	*	0	6
39. PAC. STAGHORN SCULPIN	0	1	*	*	*	*	*	*	1
40. SCULPINS, OTHER	*	0	*	2	*	*	*	*	2
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	0	0
56. REDTAIL SURFPERCH	*	*	*	13	*	*	*	*	13
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	0	0
58. SHINER PERCH	3	*	*	*	*	*	*	*	3
59. SILVER SURFPERCH	*	0	*	3	*	*	*	*	3
60. STRIPED SEAPERCH	*	2	*	8	*	*	*	2	11
61. WALLEYE SURFPERCH	1	*	*	0	*	*	*	*	1
62. WHITE SEAPERCH	1	0	*	*	*	*	*	*	1
63. SURFPERCHES, OTHER	1	0	*	13	*	*	*	*	13
69. STARRY FLOUNDER	*	0	*	*	*	*	*	*	0
72. ROCK SOLE	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
75. OTHER FISH	0	*	*	*	*	*	*	*	0
TOTAL	218	6	0	372	0	0	0	18	614

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	21	7	*	*	28
16. BLUE ROCKFISH	*	*	*	*	22	53	*	*	75
18. BOCCACCIO	*	*	*	*	*	1	*	*	1
19. CANARY ROCKFISH	*	*	*	*	13	6	*	*	20
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	8	0	*	*	9
22. GOPHER ROCKFISH	*	*	*	*	0	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	10	*	*	10
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	8	*	*	8
26. GULLBACK ROCKFISH	*	*	*	*	*	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	2	3	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	*	1
30. WIDOW ROCKFISH	*	*	*	*	0	3	*	*	3
31. YELLOWTAIL ROCKFISH	*	*	*	*	3	14	*	*	17
33. ROCKFISHES, OTHER	*	*	*	*	9	3	*	*	12
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	18	4	*	*	22
38. CABEZON	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	25	24	*	*	49
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	1	0	*	*	1
74. SALMONIDS	*	*	*	*	1	1	*	*	2
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	127	138	0	0	266

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	0	*	*	0
04. STURGEONS	*	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	7	1	*	*	8
16. BLUE ROCKFISH	*	*	*	*	23	11	*	*	36
17. BROWN ROCKFISH	*	*	*	*	11	14	*	*	25
18. BOCCACCIO	*	*	*	*	*	3	*	*	3
19. CANARY ROCKFISH	*	*	*	*	3	8	*	*	11
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	18	*	*	18
21. COPPER ROCKFISH	*	*	*	*	16	3	*	*	18
22. GOPHER ROCKFISH	*	*	*	*	2	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	10	*	*	10
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	0	1	*	*	1
26. GULLBACK ROCKFISH	*	*	*	*	0	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	7	3	*	*	10
28. STARRY ROCKFISH	*	*	*	*	0	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	0	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	7	38	*	*	45
33. ROCKFISHES, OTHER	*	*	*	*	4	6	*	*	10
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	20	1	*	*	21
39. PAC. STAGHORN SCULPIN	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	6	*	*	*	6
60. STRIPED SEAPERCH	*	*	*	*	1	*	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	*	*	1	*	*	1
73. FLATFISHES, OTHER	*	*	*	*	*	0	*	*	0
74. SALMONIDS	*	*	*	*	0	0	*	*	0
75. OTHER FISH	*	*	*	*	*	0	*	*	0
TOTAL	0	0	0	0	110	122	0	0	232

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	*	*	*	25	5	*	*	32
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	0	*	*	*	1	1	*	*	4
04. STURGEONS	*	*	*	*	7	1	*	*	8
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
07. SURF SMELT	0	*	*	*	202	*	*	*	203
10. PACIFIC TOMCOD	1	*	*	*	*	*	*	*	1
12. PACIFIC HAKE	*	*	*	*	0	1	*	*	2
14. JACKSMELT	24	0	*	*	4	*	*	*	26
15. BLACK ROCKFISH	*	*	*	*	13	66	*	*	79
16. BLUE ROCKFISH	*	0	*	*	18	108	*	*	127
17. BROWN ROCKFISH	9	1	*	*	32	36	*	*	87
18. BOCCACCIO	*	0	*	*	*	14	*	*	15
19. CANARY ROCKFISH	*	*	*	*	6	43	*	*	48
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	23	*	*	23
21. COPPER ROCKFISH	*	*	*	*	1	10	*	*	11
22. GOPHER ROCKFISH	*	0	*	*	2	2	*	*	4
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	25	*	*	25
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	*	2
25. OLIVE ROCKFISH	*	0	*	*	*	13	*	*	13
26. GULLBACK ROCKFISH	*	*	*	*	0	1	*	*	1
27. ROSY ROCKFISH	*	*	*	*	0	8	*	*	8
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	8	*	*	8
30. WIDOW ROCKFISH	*	*	*	*	*	7	*	*	7
31. YELLOWTAIL ROCKFISH	*	0	*	*	2	173	*	*	175
33. ROCKFISHES, OTHER	1	2	*	*	4	37	*	*	47
34. KELP GREENLING	0	0	*	*	2	1	*	*	4
35. LINGCOD	0	0	*	*	2	5	*	*	21
36. GREENLINGS, OTHER	*	*	*	*	1	*	*	*	1
38. CABEZON	0	1	*	*	3	*	*	*	7
39. PAC. STAGHORN SCULPIN	14	0	*	*	33	6	*	*	53
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
44. STRIPED BASS	2	2	*	*	5	38	*	*	50
48. WHITE CROAKER	25	1	*	*	2	34	3	*	65
53. BARRED SURFFERCH	1	*	*	*	5	1	*	*	7
54. BLACK PERCH	4	0	*	*	1	3	*	*	8
55. PILE PERCH	3	*	*	*	1	6	*	*	10
56. REDTAIL SURFFERCH	*	*	*	*	7	*	*	*	7
57. RUBBERLIP SEAPERCH	1	*	*	*	0	*	*	*	1
58. SHINER PERCH	23	9	*	*	99	2	*	*	133
59. SILVER SURFFERCH	6	6	*	*	4	1	*	*	17
60. STRIPED SEAPERCH	1	*	*	*	4	*	*	*	5
61. WALLEYE SURFFERCH	10	*	*	*	2	1	*	*	12
62. WHITE SEAPERCH	3	*	*	*	*	*	*	*	3
63. SURFFERCHES, OTHER	1	*	*	*	8	*	*	*	9
67. PACIFIC MACKEREL	1	0	*	*	*	1	*	*	2
69. STARRY FLOUNDER	1	0	*	*	4	0	*	*	2
70. CALIFORNIA HALIBUT	*	*	*	*	2	1	*	*	3
71. PACIFIC SANDDAB	2	*	*	*	*	1	*	*	2
72. ROCK SOLE	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	1	1	*	*	2
74. SALMONIDS	*	*	*	*	0	0	*	*	1
75. OTHER FISH	0	1	*	*	23	1	*	*	26
TOTAL	135	26	0	419	218	614	0	0	1,412

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1985---DEC 1985.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	1	*	*	1
03. SHARK, OTHER	*	*	*	*	*	0	*	0
07. SURF SHELTER	*	*	*	202	*	*	*	202
10. PACIFIC TOMCOD	0	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	0	1	*	2
14. JACKSMELT	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	13	66	*	79
16. BLUE ROCKFISH	*	0	*	1	18	108	*	127
17. BROWN ROCKFISH	1	0	*	*	13	36	*	51
18. BOCACCIO	*	0	*	*	*	14	*	15
19. CANARY ROCKFISH	*	*	*	*	5	43	*	48
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	23	*	23
21. COPPER ROCKFISH	*	*	*	*	1	10	*	11
22. GOPHER ROCKFISH	*	*	*	*	2	2	*	4
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	2	*	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	2
25. OLIVE ROCKFISH	*	0	*	*	*	13	*	13
26. GULLBACK ROCKFISH	*	*	*	*	0	1	*	1
27. ROSY ROCKFISH	*	*	*	*	0	8	*	8
28. STARRY ROCKFISH	*	*	*	*	*	1	*	1
29. VERMILION ROCKFISH	*	*	*	*	0	8	*	8
30. WIDOW ROCKFISH	*	*	*	*	2	7	*	7
31. YELLOWTAIL ROCKFISH	*	0	*	*	2	173	*	175
33. ROCKFISHES, OTHER	*	2	*	1	1	37	*	41
34. KELP GREENLING	*	0	*	0	1	1	*	3
35. LINGCOD	*	0	*	1	4	14	*	19
36. GREENLINGS, OTHER	*	*	*	1	*	*	*	1
38. CABEZON	*	1	*	2	*	3	*	5
39. PAC. STAGHORN SCULPIN	1	*	*	*	*	*	*	1
44. STRIPED BASS	*	*	*	4	14	0	*	18
48. WHITE CROAKER	20	1	*	*	11	3	*	35
53. BARRED SURFFERCH	1	*	*	4	*	*	*	5
56. REDTAIL SURFFERCH	*	*	*	7	*	*	*	7
58. SHINER PERCH	2	*	*	*	*	*	*	2
59. SILVER SURFFERCH	2	6	*	4	*	*	*	12
60. STRIPED SEAPERCH	0	*	*	4	*	*	*	4
61. WALLEYE SURFFERCH	1	*	*	1	*	*	*	2
63. SURFFERCHES, OTHER	*	*	*	8	*	*	*	8
67. PACIFIC MACKEREL	*	*	*	*	*	1	*	1
69. STARRY FLOUNDER	0	*	*	*	0	0	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	1	*	1
71. PACIFIC SANDDAB	2	*	*	*	0	1	*	2
72. ROCK SOLE	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	0	*	1
74. SALMONIDS	*	*	*	*	0	0	*	1
75. OTHER FISH	*	*	*	*	0	0	*	1
TOTAL	29	12	0	240	91	602	0	975

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	*	*	1	24	5	*	*	31
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	0	*	*	1	1	1	*	*	3
04. STURGEONS	*	*	*	*	7	1	*	*	8
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
07. SURF SHEL	0	*	*	*	*	*	*	*	0
10. PACIFIC TOMCOD	0	*	*	*	*	*	*	*	0
14. JACKSHELT	24	0	*	3	*	*	*	*	27
16. BLUE ROCKFISH	*	*	*	*	0	*	*	*	0
17. BROWN ROCKFISH	7	1	*	8	19	*	*	*	35
19. CANARY ROCKFISH	*	*	*	*	0	*	*	*	0
22. GOPHER ROCKFISH	*	0	*	*	*	*	*	*	0
33. ROCKFISHES, OTHER	1	0	*	2	3	*	*	*	6
34. KELP GREENLING	0	*	*	*	*	*	*	*	0
35. LINGCOD	0	*	*	0	1	*	*	*	1
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	0	*	*	1	*	*	*	*	1
39. PAC. STAGHORN SCULPIN	12	0	*	33	6	*	*	*	51
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
44. STRIPED BASS	2	2	*	1	24	4	*	*	35
48. WHITE CROAKER	6	*	*	2	22	*	*	*	33
53. BARRED SURPPERCH	*	*	*	0	1	*	*	*	2
54. BLACK PERCH	4	0	*	1	3	*	*	*	8
55. PILE PERCH	3	*	*	1	6	*	*	*	10
57. RUBBERLIP SEAPERCH	1	*	*	*	0	*	*	*	1
58. SHINER PERCH	22	9	*	99	2	*	*	*	133
59. SILVER SURPPERCH	4	*	*	0	1	*	*	*	6
60. STRIPED SEAPERCH	1	*	*	*	*	*	*	*	5
61. WALLEYE SURPPERCH	9	*	*	1	1	*	*	*	10
62. WHITE SEAPERCH	3	*	*	*	*	*	*	*	3
63. SURPPERCHES, OTHER	1	*	*	0	*	*	*	*	1
67. PACIFIC MACKEREL	1	*	*	*	*	*	*	*	5
69. STARRY FLOUNDER	0	0	*	0	4	*	*	*	4
70. CALIFORNIA HALIBUT	*	*	*	*	1	0	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	1	*	0	*	*	1
75. OTHER FISH	0	1	*	23	0	*	*	*	24
TOTAL	106	14	0	179	127	12	0	0	437

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1965---DEC 1965.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	0	*	*	0
02. SPINY DOGFISH	*	*	*	*	2	2	*	3
03. SHARK, OTHER	*	*	*	*	1	0	*	0
06. NORTHERN ANCHOVY	0	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	2	92	*	93
14. JACKSMELT	10	5	*	7	5	*	*	27
15. BLACK ROCKFISH	*	*	*	*	2	2	*	36
16. BLUE ROCKFISH	*	*	*	*	135	*	*	212
17. BROWN ROCKFISH	2	*	*	0	45	6	*	53
18. BOCCACCIO	0	*	*	*	10	48	0	59
19. CANARY ROCKFISH	*	*	*	*	20	16	*	36
20. CHILLIPEPPER ROCKFISH	*	*	*	*	1	205	*	207
21. COPPER ROCKFISH	*	*	*	*	8	3	*	14
22. GOPHER ROCKFISH	*	*	*	*	4	3	*	46
23. GREENSPOTTED ROCKFISH	*	*	*	*	5	48	*	53
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	26	*	27
25. OLIVE ROCKFISH	*	*	*	*	3	22	1	26
26. GULLBACK ROCKFISH	*	*	*	*	0	1	*	1
27. ROSY ROCKFISH	*	*	*	*	12	26	*	38
28. STARRY ROCKFISH	*	*	*	*	2	12	*	14
29. VERMILION ROCKFISH	*	*	*	*	4	4	*	8
30. WIDOW ROCKFISH	*	*	*	*	*	21	*	21
31. YELLOWTAIL ROCKFISH	*	*	*	*	14	94	*	107
33. ROCKFISHES, OTHER	1	0	*	1	40	57	16	116
34. KELP GREENLING	*	*	*	1	3	*	1	5
35. LINGCOD	0	*	*	*	7	20	*	28
37. SABLEFISH	*	*	*	*	1	20	*	21
38. CABEZON	0	0	*	1	0	*	1	3
39. PAC. STAGHORN SCULPIN	5	0	*	1	0	*	*	6
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	0
48. WHITE CROAKER	91	*	*	0	287	0	*	379
53. BARRED SURFPERCH	6	0	*	41	*	*	*	47
54. BLACK PERCH	3	*	*	2	0	*	0	5
55. PILE PERCH	2	*	*	1	*	*	0	3
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	1	1
58. SHINER PERCH	9	*	*	*	*	*	*	9
59. SILVER SURFPERCH	0	*	*	6	*	*	*	6
60. STRIPED SEAPERCH	*	0	*	3	*	*	0	4
61. WALLEYE SURFPERCH	26	1	*	3	0	*	*	30
62. WHITE SEAPERCH	16	0	*	0	*	*	*	16
63. SURFPERCHES, OTHER	10	*	*	3	1	*	1	15
66. PACIFIC BONITO	*	*	*	*	*	0	*	0
67. PACIFIC MACKEREL	0	*	*	*	15	46	*	61
68. TUNAS	*	*	*	*	9	14	*	23
69. STARRY FLOUNDER	0	*	*	*	1	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	0	0
71. PACIFIC SANDGAB	46	*	*	*	101	42	0	189
72. ROCK SOLE	*	*	*	*	1	1	*	2
73. FLATFISHES, OTHER	2	*	*	*	7	2	*	11
74. SALMONIDS	0	0	*	*	0	*	*	0
75. OTHER FISH	2	0	*	*	1	4	*	8
TOTAL	232	7	0	69	760	972	0	2,070

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	*	*	*	1	0	*	*	2
03. SHARK, OTHER	*	*	*	*	2	*	*	*	2
06. NORTHERN ANCHOVY	0	*	*	*	*	*	*	*	0
12. PACIFIC HAKE	*	*	*	*	0	0	*	*	1
14. JACKSMILT	21	*	*	6	2	*	*	*	29
15. BLACK ROCKFISH	*	*	*	*	2	2	*	*	28
16. BLUE ROCKFISH	*	*	*	*	102	23	*	*	123
17. BROWN ROCKFISH	0	*	*	*	18	5	*	*	23
18. BOCCACCIO	74	*	*	*	2	34	*	*	110
19. CANARY ROCKFISH	*	*	*	*	12	6	*	*	17
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	112	*	*	112
21. COPPER ROCKFISH	*	*	*	*	9	5	*	*	14
22. GOPHER ROCKFISH	*	*	*	*	63	22	*	*	85
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	13	*	*	15
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	6	*	*	6
25. OLIVE ROCKFISH	*	*	*	*	14	14	*	*	28
26. GULLBACK ROCKFISH	*	*	*	*	*	0	*	*	0
27. ROSY ROCKFISH	*	*	*	*	6	21	*	*	27
28. STARRY ROCKFISH	*	*	*	*	4	21	*	*	25
29. VERMILION ROCKFISH	*	*	*	*	7	7	*	*	15
30. WIDOW ROCKFISH	*	*	*	*	1	30	*	*	31
31. YELLOWTAIL ROCKFISH	*	*	*	*	17	135	*	*	152
33. ROCKFISHES, OTHER	*	*	*	4	79	89	*	*	172
34. KELP GREENLING	*	*	*	0	1	*	*	*	1
35. LINGCOD	0	*	*	*	6	2	*	*	8
36. GREENLING, OTHER	*	*	*	*	*	*	*	*	*
37. SABLEFISH	*	*	*	*	*	1	*	*	1
38. CABEZON	0	*	*	1	3	0	*	*	5
39. PAC. STAGHORN SCULPIN	2	*	*	0	*	*	*	*	2
41. BARRED SAND BASS	0	*	*	0	*	*	*	*	1
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
46. YELLOWTAIL	*	*	*	*	0	*	*	*	0
48. WHITE CROAKER	29	0	*	0	20	*	*	*	49
51. OPALEYE	*	*	*	4	*	*	*	*	4
53. BARRED SURFFERCH	1	*	*	20	0	*	*	*	21
54. BLACK PERCH	*	*	*	3	*	*	*	*	3
55. PILE PERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	1	*	*	*	*	*	*	*	1
59. SILVER SURFFERCH	*	*	*	20	*	*	*	*	20
60. STRIPED SEAPERCH	0	*	*	1	*	*	*	*	1
61. WALLEYE SURFFERCH	1	*	*	2	*	*	*	*	3
63. SURFFERCHES, OTHER	2	*	*	10	*	*	*	*	12
65. PACIFIC BARRACUDA	*	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	41	*	*	*	17	18	*	*	76
68. TUNAS	*	*	*	*	7	20	*	*	27
69. STARRY FLOUNDER	0	*	*	0	0	*	*	*	1
70. CALIFORNIA HALIBUT	0	*	*	1	2	*	*	*	3
71. PACIFIC SANDDAB	*	*	*	*	1	1	*	*	2
72. ROCK SOLE	*	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	1	*	*	1
75. OTHER FISH	4	*	*	0	3	1	*	*	8
TOTAL	177	0	0	75	426	591	0	0	1,269

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1965--DEC 1965.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	*	*	*	*	*	*	30	8	25	0	0	100	*	*	*	30	8	25
02. SPINY DOGFISH	*	*	*	0	0	100	0	0	100	3	0	60	2	1	57	5	2	42
03. SHARK, OTHER	*	*	*	0	0	100	3	1	46	0	0	100	2	1	92	5	3	46
04. STURGEONS	*	*	*	*	*	*	8	3	35	*	*	*	*	*	*	*	*	*
05. PACIFIC HERRING	2	3	172	105	99	95	*	*	*	*	*	*	*	*	*	107	99	95
06. NORTHERN ANCHOVY	4	4	101	*	*	*	2	2	85	*	*	*	0	0	100	7	4	68
07. SURF SHELFT	304	318	104	301	181	60	205	220	108	*	*	*	*	*	*	809	427	535
10. PACIFIC TOMCOD	0	0	78	*	*	*	1	0	71	*	*	*	*	*	*	1	0	78
12. PACIFIC HAKE	*	*	*	*	*	*	1	1	64	76	35	46	0	0	71	78	35	46
14. JACKSMELT	3	10	313	0	0	70	22	10	65	15	8	53	15	14	93	56	22	38
15. BLACK ROCKFISH	218	183	84	43	26	60	79	32	41	208	13	28	22	15	70	397	189	248
16. BLUE ROCKFISH	6	3	35	114	47	41	125	48	38	208	53	28	119	78	66	568	115	202
17. BROWN ROCKFISH	1	1	63	25	6	27	86	19	22	53	17	24	23	14	63	187	29	16
18. BOCCACCIO	*	*	*	4	1	24	15	6	39	57	14	24	82	66	80	158	67	43
19. CANARY ROCKFISH	24	22	90	30	15	51	48	14	30	36	8	23	16	8	51	155	32	21
20. CHILLIPEPPER ROCKFISH	*	*	*	19	4	21	23	8	36	192	79	41	104	83	79	339	115	284
21. COPPER ROCKFISH	15	14	96	27	15	57	11	2	42	14	3	24	13	6	48	80	20	38
22. GOPHER ROCKFISH	*	*	*	3	2	85	4	2	42	46	15	33	81	48	60	134	50	188
23. GREENSPOTTED ROCKFISH	0	0	73	20	5	21	25	10	50	53	13	25	12	81	113	21	19	
24. GREENSTRIPED ROCKFISH	*	*	*	10	4	48	2	1	43	27	7	25	5	4	67	43	9	20
25. OLIVE ROCKFISH	*	*	*	1	0	31	13	10	79	26	8	30	27	15	56	67	20	30
26. QUILLBACK ROCKFISH	5	4	96	0	0	50	1	1	33	1	0	44	0	0	108	8	5	19
27. ROSY ROCKFISH	2	2	100	15	5	57	3	3	42	37	8	22	15	15	56	89	18	39
28. STARRY ROCKFISH	*	*	*	2	0	27	1	1	50	14	3	23	28	16	42	42	16	39
29. VERMILION ROCKFISH	3	3	96	2	1	62	8	3	43	8	2	25	15	8	58	35	10	27
30. WIDOW ROCKFISH	*	*	*	4	1	32	7	3	36	21	7	35	31	20	95	63	31	48
31. YELLOWTAIL ROCKFISH	15	14	91	61	9	14	175	51	29	107	27	35	151	105	70	508	121	242
33. ROCKFISHES, OTHER	25	16	63	23	7	30	34	17	50	56	9	16	42	2	24	188	29	16
34. KELP GREENLING	8	4	42	14	5	39	4	1	33	5	2	18	7	14	147	42	22	29
35. LINGCOD	46	35	77	45	20	45	19	7	35	26	5	25	28	4	34	162	7	29
36. GREENLINGS, OTHER	1	1	110	9	5	52	1	1	100	*	*	*	*	*	*	11	5	45
37. SABLEFISH	0	0	100	*	*	*	7	7	42	19	10	34	1	2	107	23	10	51
38. CABEZON	5	3	55	6	2	40	3	3	42	2	1	34	4	2	107	10	5	51
39. PAC. STAGHORN SCULPIN	1	0	78	1	1	67	7	4	36	2	1	53	4	2	100	10	4	32
40. SCULPINS, OTHER	1	0	70	2	1	55	0	0	100	*	*	*	*	*	*	3	1	44
41. BARRIED SAND BASS	*	*	*	*	*	*	*	*	*	0	0	100	1	0	75	5	0	75
44. STRIPED BASS	*	*	*	6	5	79	48	15	31	*	*	*	0	0	100	55	16	88
46. YELLOWTAIL	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
48. WHITE CROAKER	*	*	*	*	*	*	63	27	43	360	136	38	26	15	39	449	139	311
50. CROAKERS, OTHER	0	0	100	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100
51. OPALEYE	*	*	*	*	*	*	*	*	*	*	*	*	4	3	70	4	3	70
53. BARRIED SURFPERCH	*	*	*	*	*	*	6	3	49	43	20	47	18	11	61	67	23	48
54. BLACK PERCH	*	*	*	*	*	*	8	3	35	3	2	35	3	3	61	15	4	48
55. PILE PERCH	1	2	185	0	0	74	10	4	40	3	1	44	3	1	81	15	4	48
56. REDTAIL SURFPERCH	18	19	106	13	7	56	7	6	95	*	*	*	*	*	*	38	21	58
57. RUBBERLIP SEAPERCH	*	*	*	0	0	100	1	1	58	1	0	76	1	0	66	2	1	38
58. SHINER PERCH	1	0	82	3	2	76	119	96	80	9	6	67	1	1	213	2	1	38
59. SILVER SURFPERCH	50	165	330	3	2	53	17	8	45	6	3	56	16	11	68	24	16	88
60. STRIPED SEAPERCH	3	2	58	11	6	92	5	3	49	4	2	58	2	1	101	5	4	83
61. WALLEYE SURFPERCH	16	46	289	1	1	93	12	4	36	28	16	58	2	2	101	29	16	83
62. WHITE SEAPERCH	6	4	78	1	1	71	3	2	52	15	9	57	*	*	*	25	10	46
63. SURFPERCHES, OTHER	6	4	70	11	9	83	8	4	50	5	2	50	9	7	77	39	13	34
65. PACIFIC BARRAQUA	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100	0	0	100
66. PACIFIC BONITO	*	*	*	0	0	92	2	1	66	38	11	29	59	38	65	99	40	40
67. PACIFIC MACKEREL	*	*	*	0	0	92	2	1	66	38	11	29	59	38	65	99	40	40
68. TUNAS	*	*	*	*	*	*	*	*	*	18	6	33	17	14	21	35	15	43
69. STARRY FLOUNDER	0	0	73	0	0	92	6	2	33	1	1	60	1	0	21	0	0	63
70. CALIFORNIA HALIBUT	*	*	*	2	2	97	3	2	40	12	0	46	2	2	34	19	0	42
71. PACIFIC SANDDAB	17	15	89	50	28	57	2	2	61	2	1	46	2	0	88	2	1	42
72. ROCK SOLE	*	*	*	0	0	67	2	2	67	2	1	46	2	0	88	2	1	42
73. FLATFISHES, OTHER	4	2	64	1	1	65	2	1	57	5	2	28	1	1	65	13	3	24
74. SALMONIDS	3	2	62	2	1	45	0	0	100	0	0	66	*	*	*	2	2	38
75. OTHER FISH	0	0	49	0	0	62	10	9	88	6	2	46	5	3	66	23	10	48
TOTAL	815	409	50	991	218	22	1,306	257	20	1,801	184	10	1000	188	19	5,913	592	10

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1985--DEC 1985.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	SAN FRANCISCO OCEAN	BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	*	*	1	38	*	0	39
02. SPINY DOGFISH	*	*	*	1	0	2	3
03. SHARK, OTHER	*	0	*	148	5	1	154
04. STURGEONS	*	0	*	8	*	*	8
05. PACIFIC HERRING	0	*	*	0	*	*	0
06. NORTHERN ANCHOVY	9	*	*	6	*	*	15
08. SMELTS, OTHER	3	*	*	*	*	*	3
12. PACIFIC HAKE	*	*	4	*	40	*	44
14. JACKSMELT	*	*	*	1	3	4	8
15. BLACK ROCKFISH	9	*	*	*	*	*	9
16. BLUE ROCKFISH	0	3	5	*	23	11	42
17. BROWN ROCKFISH	0	*	0	21	3	0	26
18. BOACCIO	*	*	*	*	1	10	10
20. CHILIPEPPER ROCKFISH	*	*	*	*	0	0	1
21. COPPER ROCKFISH	0	*	0	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	2	2
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	0	0
27. ROSY ROCKFISH	*	0	4	*	0	*	4
29. VERMILION ROCKFISH	*	*	*	*	*	0	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	0
33. ROCKFISHES, OTHER	9	32	52	22	131	40	286
34. KELP GREENLING	2	0	*	1	0	0	4
35. LINGCOD	0	2	5	1	4	4	17
36. GREENLINGS, OTHER	1	2	*	1	*	0	4
37. SABLEFISH	*	*	*	*	2	*	2
38. CABEZON	1	1	0	2	2	3	9
39. PAC. STAGHORN SCULPIN	0	92	40	486	180	41	839
40. SCULPINS, OTHER	11	1	*	*	1	*	13
41. BARRED SAND BASS	*	*	*	*	*	0	0
43. KELP BASS	*	*	*	*	*	0	0
44. STRIPED BASS	*	3	2	30	*	*	36
48. WHITE CROAKER	*	*	8	8	116	31	164
51. OPAL EYE	*	*	*	*	*	1	1
53. BARRED SURFPERCH	*	*	0	*	4	3	7
54. BLACK PERCH	*	*	*	*	*	0	0
55. PILE PERCH	0	*	*	0	*	0	1
56. REDTAIL SURFPERCH	4	1	*	*	*	*	5
57. RUBBERLIP SEAPERCH	*	*	*	0	*	*	0
58. SHINER PERCH	0	0	0	20	*	1	22
59. SILVER SURFPERCH	6	*	*	1	*	6	13
60. STRIPED SEAPERCH	1	0	*	*	*	*	1
61. WALLEYE SURFPERCH	*	*	0	*	7	1	8
62. WHITE SEAPERCH	2	*	*	*	8	*	9
63. SURFPERCHES, OTHER	8	6	7	33	83	11	147
65. PACIFIC BARRAQUA	*	*	*	*	*	0	0
66. PACIFIC BONITO	*	*	*	*	*	0	0
67. PACIFIC MACKEREL	*	*	7	1	26	57	91
69. STARRY FLOUNDER	*	*	*	10	*	*	10
70. CALIFORNIA HALIBUT	*	*	*	*	0	10	10
71. PACIFIC SANDDAB	*	2	0	2	27	*	31
72. ROCK SOLE	0	*	*	*	*	*	0
73. FLATFISHES, OTHER	1	0	*	*	38	3	43
74. SALMONIDS	1	*	*	*	0	*	1
75. OTHER FISH	1	6	14	81	30	12	144
TOTAL	70	152	151	923	736	256	2,287

TABLE 27. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1985--DEC 1985.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	29	8	0	17	16	0	*	70
MENDOCINO/SONOMA (NON-BOAT MODES)	4	11	*	21	*	*	0	36
MENDOCINO (BOAT MODES)	*	*	*	*	5	0	*	5
SONOMA (BOAT MODES)	*	*	*	*	110	1	*	111
SAN FRANCISCO	167	29	*	220	594	63	*	1,074
SANTA CRUZ/MONTEREY	305	3	*	29	265	134	0	736
SAN LUIS OBISPO	71	1	*	25	128	31	*	256
TOTAL	576	52	0	312	1,118	230	0	2,287

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	5	33	1	*	*	39
02. SPINY DOGFISH	*	*	*	*	2	0	*	*	3
03. SHARK, OTHER	1	1	*	5	146	1	*	*	154
04. STURGEONS	0	*	*	*	7	0	*	*	8
05. PACIFIC HERRING	*	*	*	0	0	*	*	*	0
06. NORTHERN ANCHOVY	14	0	*	0	*	*	*	*	15
07. SURF SMELT	*	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	3	*	*	*	*	*	*	*	3
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	1	*	*	2	42	*	*	44
14. JACKSMELT	2	1	*	3	2	*	*	*	8
15. BLACK ROCKFISH	0	1	*	*	7	*	*	*	9
16. BLUE ROCKFISH	*	0	*	2	24	16	*	*	42
17. BROWN ROCKFISH	4	0	*	16	6	*	*	*	26
18. BOCACCIO	9	*	*	*	2	*	*	*	10
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	0	*	*	*	0	*	*	0
22. GOPHER ROCKFISH	*	*	*	1	1	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	0	0	*	*	0
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	0	4	*	*	4
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	*	*	0
33. ROCKFISHES, OTHER	8	1	*	4	183	89	*	0	286
34. KELP GREENLING	0	1	*	3	1	*	*	*	4
35. LINGCOD	0	0	*	1	10	6	*	*	17
36. GREENLINGS, OTHER	1	1	*	2	*	0	*	*	4
37. SABLEFISH	*	*	*	*	*	2	*	*	2
38. CABEZON	3	1	*	5	1	*	*	*	9
39. PAC. STAGHORN SCULPIN	311	24	*	168	329	8	*	*	839
40. SCULPINS, OTHER	8	3	*	1	0	*	*	*	13
41. BARRED SAND BASS	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	1	*	*	1	32	2	*	*	36
46. YELLOWTAIL	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	20	1	*	1	138	4	*	*	164
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
51. OPALEYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	2	*	*	5	*	*	*	*	7
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	0	*	*	0	0	*	*	*	1
56. REDTAIL SURFPERCH	0	0	*	5	*	*	*	*	5
57. RUBBERLIP SEAPERCH	*	0	*	*	*	*	*	*	0
58. SHINER PERCH	5	0	*	2	15	*	*	*	22
59. SILVER SURFPERCH	0	*	*	13	*	*	*	*	13
60. STRIPED SEAPERCH	*	0	*	1	0	*	*	*	1
61. HALLEYE SURFPERCH	8	*	*	0	*	*	*	*	8
62. WHITE SEAPERCH	9	*	*	0	*	*	*	*	9
63. SURFPERCHES, OTHER	90	4	*	32	22	*	*	*	147
65. PACIFIC BARRACUDA	0	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	0	*	*	*	*	0
67. PACIFIC MACKEREL	2	*	*	0	40	48	*	*	91
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	4	6	0	*	*	10
70. CALIFORNIA HALIBUT	*	*	*	0	10	*	*	*	10
71. PACIFIC SANDDAB	9	0	*	0	20	1	*	*	31
72. ROCK SOLE	*	*	*	0	*	*	*	*	0
73. FLATFISHES, OTHER	23	0	*	0	18	0	*	*	43
74. SALMONIDS	0	0	*	0	0	*	*	*	1
75. OTHER FISH	41	11	*	27	60	4	*	*	144
TOTAL	576	52	0	312	1,118	230	0	0	2,287

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1965---DEC 1965.

GROUP	PIER & DOCK BREAKWATER	JETTY & BEACH BANK	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	*	*	*	*	0	*	*	0
06. NORTHERN ANCHOVY	9	0	*	*	*	*	*	9
07. SURF SMELT	*	*	*	*	*	*	*	*
08. SMELTS, OTHER	3	*	*	*	*	*	*	3
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	0	1	*	*	7	*	*	9
16. BLUE ROCKFISH	*	0	*	*	*	*	*	0
17. BROWN ROCKFISH	*	0	*	0	*	*	*	0
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	0	*	*	*	*	*	0
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	1	1	*	0	7	*	*	9
34. KELP GREENLING	0	1	*	1	0	*	*	2
35. LINGCOD	*	0	*	*	0	*	*	0
36. GREENLINGS, OTHER	0	1	*	1	*	*	*	1
37. SABLEFISH	*	*	*	*	*	*	*	*
38. CABEZON	*	0	*	1	*	*	*	1
39. PAC. STAGHORN SCULPIN	0	*	*	0	*	*	*	0
40. SCULPINS, OTHER	8	2	*	1	0	*	*	11
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*
55. PILE PERCH	0	*	*	0	*	*	*	0
56. REDTAIL SURFPERCH	0	*	*	4	*	*	*	4
58. SHINER PERCH	0	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	6	*	*	*	6
60. STRIPED SEAPERCH	*	0	*	1	0	*	*	1
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	2	*	*	0	*	*	*	2
63. SURFPERCHES, OTHER	6	1	*	1	0	*	*	8
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	1	0	*	0	*	*	*	1
74. SALMONIDS	*	0	*	0	0	*	*	*
75. OTHER FISH	*	0	*	0	1	*	*	1
TOTAL	29	8	0	17	16	0	0	70

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK BREAKWATER	JETTY &	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	0	*	*	*	*	*	0
05. PACIFIC HERRING	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*
14. JACKSMELT	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	2	*	*	*	2
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	1	*	*	0	1
34. KELP GREENLING	*	*	*	0	*	*	*	0
35. LINGCOD	0	0	*	0	*	*	*	1
36. GREENLINGS, OTHER	0	0	*	2	*	*	*	2
38. CABEZON	*	0	*	1	*	*	*	1
39. PAC. STAGHORN SCULPIN	2	8	*	6	*	*	*	15
40. SCULPINS, OTHER	*	1	*	0	*	*	*	1
44. STRIPED BASS	*	*	*	0	*	*	*	0
55. PILE PERCH	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	0	*	1	*	*	*	1
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	0	*	0	*	*	*	0
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	2	0	*	4	*	*	*	6
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	0
75. OTHER FISH	*	1	*	5	*	*	*	6
TOTAL	4	11	0	21	0	0	0	36

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	1	*	*	*	1
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	1	*	*	*	1
38. CABEZON	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	2	*	*	*	2
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	*	*	*	*	*
TOTAL	0	0	0	0	5	0	0	0	5

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
04. STURGEONS	*	*	*	*	0	*	*	*	0
14. JACKSMELT	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	0	*	*	0
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	29	1	*	*	30
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	*	0	*	*	*	0
39. PAC. STAGHORN SCULPIN	*	*	*	*	77	*	*	*	77
44. STRIPED BASS	*	*	*	*	3	*	*	*	3
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	0	*	*	*	0
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	110	1	0	0	111

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1985--DEC 1985.

GROUP	PIER & DOCK BREAKWATER	JETTY &	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	5	33	1	*	39
02. SPINY DOGFISH	*	*	*	*	1	*	*	1
03. SHARK, OTHER	0	0	*	5	141	1	*	148
04. STURGEONS	0	*	*	*	7	0	*	8
05. PACIFIC HERRING	*	*	*	0	*	*	*	0
06. NORTHERN ANCHOVY	6	*	*	0	*	*	*	6
07. SURF SMELT	*	*	*	*	*	*	*	*
10. PACIFIC TONNOO	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	1	*	*	*	4	*	4
14. JACKSMELT	0	1	*	*	1	*	*	1
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	3	1	*	5
17. BROWN ROCKFISH	0	*	*	15	6	*	*	22
18. BOCACCIO	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	0	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	4	*	4
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	2	*	*	2	39	30	*	74
34. KELP GREENLING	*	*	*	1	*	*	*	1
35. LINGCOD	0	0	*	*	3	2	*	6
36. GREENLINGS, OTHER	1	*	*	*	*	*	*	1
38. CABEZON	0	*	*	2	*	*	*	3
39. PAC. STAGHORN SCULPIN	113	14	*	154	238	8	*	526
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*
44. STRIPED BASS	1	*	*	1	29	2	*	33
48. WHITE CROAKER	3	1	*	*	11	1	*	16
53. BARRED SURFPERCH	0	*	*	*	*	*	*	0
54. BLACK PERCH	*	*	*	*	*	*	*	0
55. PILE PERCH	*	*	*	*	0	*	*	0
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	0	*	*	*	*	*	0
58. SHINER PERCH	4	0	*	2	15	*	*	20
59. SILVER SURFPERCH	0	*	*	1	*	*	*	1
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	15	2	*	7	15	*	*	39
67. PACIFIC MACKEREL	*	*	*	*	1	7	*	8
69. STARRY FLOUNDER	0	*	*	4	6	0	*	10
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	2	0	*	*	*	0	*	2
72. ROCK SOLE	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*
75. OTHER FISH	18	9	*	20	45	2	*	94
TOTAL	167	29	0	220	594	63	0	1,074

TABLE 34. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK P/R BOAT	CPFV	BEACH NET	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	1	*	*	*	*	1
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*	*
07. SURF SMELT	*	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	1	*	*	*	4	*	*	*	4
14. JACKSMELT	*	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	3	1	*	*	*	5
17. BROWN ROCKFISH	*	*	*	*	0	*	*	*	*	0
18. BOCCACCIO	*	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	0	*	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	4	*	*	*	4
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	21	30	*	*	*	52
34. KELP GREENLING	*	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	0	*	*	3	2	*	*	*	5
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	0	*	*	*	*	*	0
39. PAC. STAGHORN SCULPIN	32	6	*	0	1	1	*	*	*	40
44. STRIPED BASS	*	*	*	*	2	*	*	*	*	2
48. WHITE CROAKER	3	1	*	*	4	*	*	*	*	8
53. BARRED SURFPERCH	0	*	*	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	*	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	0	*	*	*	*	*	*	*	*	0
63. SURFPERCHES, OTHER	4	0	*	0	3	*	*	*	*	7
67. PACIFIC MACKEREL	*	*	*	*	*	7	*	*	*	7
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	0	*	*	*	0	*	*	*	0
72. ROCK SOLE	*	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*	*	*
75. OTHER FISH	0	5	*	*	7	1	*	*	*	14
TOTAL	40	14	0	2	45	51	0	0	0	151

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1985--DEC 1985.

GROUP	PIER & DOCK BREAKWATER	JETTY &	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	4	33	1	*	38
02. SPINY DOGFISH	*	*	*	*	1	*	*	1
03. SHARK, OTHER	0	0	*	5	141	1	*	148
04. STURGEONS	0	*	*	*	7	0	*	8
05. PACIFIC HERRING	*	*	*	0	*	*	*	0
06. NORTHERN ANCHOVY	6	*	*	0	*	*	*	6
07. SURF SHEL	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*
14. JACKSMELT	0	1	*	*	1	*	*	1
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	0	*	*	15	6	*	*	21
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	2	*	*	2	18	0	*	22
34. KELP GREENLING	*	*	*	1	*	*	*	1
35. LINGCOD	0	*	*	*	0	*	*	1
36. GREENLINGS, OTHER	1	*	*	*	*	*	*	1
38. CABEZON	0	*	*	2	*	*	*	2
39. PAC. STAGHORN SCULPIN	81	8	*	153	237	7	*	486
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*
44. STRIPED BASS	1	*	*	1	27	2	*	30
48. WHITE CROAKER	0	*	*	*	7	1	*	8
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*
54. BLACK PERCH	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	0	*	*	0
57. RUBBERLIP SEAPERCH	*	0	*	*	*	*	*	0
58. SHINER PERCH	3	0	*	2	15	*	*	20
59. SILVER SURFPERCH	0	*	*	1	*	*	*	1
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	12	2	*	6	13	*	*	33
67. PACIFIC MACKEREL	*	*	*	*	1	*	*	1
69. STARRY FLOUNDER	0	*	*	4	6	0	*	10
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	2	*	*	*	*	*	*	2
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*
75. OTHER FISH	18	4	*	20	38	1	*	81
TOTAL	127	16	0	218	549	13	0	923

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	*	*	*	*	*
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
03. SHARK, OTHER	0	*	*	0	4	0	*	*	5
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	2	38	*	*	40
14. JACKSMELT	0	*	*	3	*	*	*	*	3
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	9	14	*	*	23
17. BROWN ROCKFISH	3	*	*	*	*	*	*	*	3
18. BOCACCI	1	*	*	*	*	*	*	*	1
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	0	*	*	0
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	0	0	*	*	0
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	0	*	*	0
33. ROCKFISHES, OTHER	5	*	*	0	76	49	*	*	131
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGOOD	0	*	*	*	2	2	*	*	4
37. SABLEFISH	*	*	*	*	*	2	*	*	2
38. CABEZON	1	*	*	1	0	*	*	*	2
39. PAC. STAGHORN SCULPIN	158	2	*	8	11	*	*	*	180
40. SCULPINS, OTHER	1	*	*	*	*	*	*	*	1
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	10	*	*	1	103	3	*	*	116
53. BARRED SURFPERCH	2	*	*	*	*	*	*	*	4
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	7	*	*	0	*	*	*	*	7
62. WHITE SEAPERCH	8	*	*	*	*	*	*	*	8
63. SURFPERCHES, OTHER	64	1	*	12	6	*	*	*	83
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	0	*	*	*	4	21	*	*	26
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	7	0	*	0	19	1	*	*	27
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	20	0	*	0	18	0	*	*	38
74. SALMONIDS	0	*	*	*	*	*	*	*	0
75. OTHER FISH	16	0	*	1	10	1	*	*	30
TOTAL	305	3	0	29	265	134	0	0	736

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1965---DEC 1965.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	0	*	*	2
03. SHARK, OTHER	*	0	*	*	1	*	*	*	1
06. NORTHERN ANCHOVY	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*
14. JACKSMELT	2	*	*	1	1	*	*	*	4
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	11	0	*	*	11
17. BROWN ROCKFISH	0	*	*	*	*	*	*	*	0
18. BOCCACCIO	8	*	*	*	2	*	*	*	10
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	1	1	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	0	0	*	*	0
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	*	*	0
33. ROCKFISHES, OTHER	*	*	*	1	31	8	*	*	40
34. KELP GREENLING	*	*	*	0	0	*	*	*	0
35. LINGCOD	*	*	*	0	3	2	*	*	4
36. GREENLINGS, OTHER	*	*	*	0	*	0	*	*	0
37. SABLEFISH	*	*	*	*	*	*	*	*	*
38. CABEZON	2	0	*	1	0	*	*	*	3
39. PAC. STAGHORN SCULPIN	38	*	*	0	2	*	*	*	41
41. BARRED SAND BASS	*	*	*	0	*	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
46. YELLOWTAIL	*	*	*	*	*	*	*	*	*
48. WHITE CROAKER	7	*	*	*	24	*	*	*	31
51. OPALEYE	*	*	*	1	*	*	*	*	1
53. BARRED SURFPERCH	0	*	*	3	*	*	*	*	3
54. BLACK PERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	0	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	6	*	*	*	*	6
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	1	*	*	*	*	*	*	*	1
63. SURFPERCHES, OTHER	2	*	*	9	1	*	*	*	11
65. PACIFIC BARRACUDA	0	*	*	*	0	*	*	*	0
66. PACIFIC BONITO	*	*	*	0	*	*	*	*	0
67. PACIFIC MACKEREL	2	*	*	0	35	20	*	*	57
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	0	10	*	*	*	10
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	2	*	*	*	0	*	*	*	3
75. OTHER FISH	6	*	*	1	4	1	*	*	12
TOTAL	71	1	0	25	128	31	0	0	256

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1965--DEC 1965.

WAVE	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	48	5	12	66
	MENDOCINO/SONOMA	73	1	1	75
	S. F. OCEAN	74	*	19	93
	S. F. BAY	34	1	85	120
	SANTA CRUZ/MONTEREY	96	11	59	165
	SAN LUIS OBISPO	136	12	15	163
	TOTAL	461	30	192	683
MAR/APR	DEL NORTE/HUMBOLDT	10	2	4	17
	MENDOCINO/SONOMA	44	3	3	49
	S. F. OCEAN	52	0	3	55
	S. F. BAY	38	7	86	130
	SANTA CRUZ/MONTEREY	299	22	37	299
	SAN LUIS OBISPO	71	31	8	109
	TOTAL	453	64	141	659
MAY/JUN	DEL NORTE/HUMBOLDT	241	5	15	260
	MENDOCINO/SONOMA	320	107	9	436
	S. F. OCEAN	106	6	43	155
	S. F. BAY	68	13	230	311
	SANTA CRUZ/MONTEREY	495	95	227	817
	SAN LUIS OBISPO	187	41	25	253
	TOTAL	1,415	267	550	2,231
JUL/AUG	DEL NORTE/HUMBOLDT	488	190	35	713
	MENDOCINO/SONOMA	366	2	46	414
	S. F. OCEAN	398	1	32	431
	S. F. BAY	54	45	295	394
	SANTA CRUZ/MONTEREY	423	31	261	715
	SAN LUIS OBISPO	233	63	50	346
	TOTAL	1,963	332	719	3,014
SEP/OCT	DEL NORTE/HUMBOLDT	23	3	2	28
	MENDOCINO/SONOMA	169	8	14	191
	S. F. OCEAN	256	10	38	304
	S. F. BAY	41	21	86	147
	SANTA CRUZ/MONTEREY	290	35	97	422
	SAN LUIS OBISPO	282	76	112	470
	TOTAL	1,062	151	349	1,562
NOV/DEC	DEL NORTE/HUMBOLDT	5	1	1	7
	MENDOCINO/SONOMA	20	0	79	98
	S. F. OCEAN	72	1	15	88
	S. F. BAY	115	3	141	258
	SANTA CRUZ/MONTEREY	258	76	54	388
	SAN LUIS OBISPO	90	47	47	184
	TOTAL	560	127	336	1,024
GRAND TOTAL		5,913	971	2,287	9,172

TABLE 39. ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING, BY COASTAL COUNTY DISTRICT, JAN 1985---DEC 1985.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	23	10	12	45
STD ERR	28	9	20	36
MENDOCINO/SONOMA (NON-BOAT MODES)	47	15	*	62
STD ERR	51	14	*	53
MENDOCINO (BOAT MODES)	6	10	3	19
STD ERR	7	*	12	14
SONOMA (BOAT MODES)	34	1	*	35
STD ERR	32	1	*	33
SAN FRANCISCO	319	4	*	323
STD ERR	417	6	*	417
SANTA CRUZ/MONTEREY	89	21	9	119
STD ERR	105	15	9	107
SAN LUIS OBISPO	21	22	37	80
STD ERR	27	20	36	49
GRAND	540	83		
STD ERR	436	31		

TABLE 40. ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1985---DEC 1985.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	110	41	28	179
STD ERR	87	60	72	128
MENDOCINO/SONOMA (NON-BOAT MODES)	140	33	5	178
STD ERR	44	28	10	53
MENDOCINO (BOAT MODES)	30	20	3	53
STD ERR	20	23	12	33
SONOMA (BOAT MODES)	75	2	0	77
STD ERR	0	0	0	0
SAN FRANCISCO	1,135	16	14	1,165
STD ERR	143	24	29	147
SANTA CRUZ/MONTEREY	290	25	13	328
STD ERR	44	16	13	49
SAN LUIS OBISPO	82	51	87	220
STD ERR	31	37	63	79
TOTAL	1,860	189	151	2,200
STD ERR	182	84	102	225

TABLE 41. ESTIMATED THOUSANDS OF FISHING, TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1965---DEC 1965.

COASTAL COUNTY DISTRICT	MODE	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	20	2	4	27
	STD ERR	70	30	53	93
	JETTY & BREAKWATER	15	3	1	20
	STD ERR	15	11	7	20
	BRIDGE & CAUSEWAY	0	*	0	0
	STD ERR	1	*	0	1
	B/B - H & L	23	7	1	31
	STD ERR	36	19	7	41
	P/R BOAT	50	29	21	100
	STD ERR	34	47	48	75
	CPFV	0	1	0	1
STD ERR	0	2	0	2	
SPEAR	0	*	0	0	
STD ERR	1	0	*	1	
TOTAL		110	41	28	179
STD ERR		87	60	72	128
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	18	3	0	21
	STD ERR	11	9	1	14
	JETTY & BREAKWATER	15	7	1	23
	STD ERR	9	9	3	13
	B/B - H & L	100	23	4	126
	STD ERR	41	25	9	49
	SPEAR	7	0	0	8
STD ERR	4	2	1	4	
TOTAL		140	33	5	178
STD ERR		44	28	10	53
MENDOCINO (BOAT MODES)	P/R BOAT	23	11	3	37
	STD ERR	20	22	12	33
	CPFV	6	9	1	16
	STD ERR	2	4	1	5
TOTAL		30	20	3	53
STD ERR		20	23	12	33
SONOMA (BOAT MODES)	P/R BOAT	65	0	0	65
	STD ERR	0	0	*	0
	CPFV	10	1	0	12
	STD ERR	0	0	0	0
TOTAL		75	2	0	77
STD ERR		0	0	0	0
SAN FRANCISCO	PIER & DOCK	163	0	1	165
	STD ERR	35	1	5	35
	JETTY & BREAKWATER	37	0	0	37
	STD ERR	9	1	1	9
	B/B - H & L	313	2	6	322
	STD ERR	107	16	26	112
	P/R BOAT	518	8	3	529
	STD ERR	82	16	8	84
	CPFV	104	5	3	113
STD ERR	28	8	7	30	
TOTAL		1,135	16	14	1,165
STD ERR		143	24	29	147

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	106	1	1	109
	STD ERR	28	4	6	29
	JETTY & BREAKWATER	3	*	0	3
	STD ERR	1	*	0	1
	B/B - H & L	45	0	0	45
	STD ERR	18	3	2	18
	P/R BOAT	76	6	2	86
	STD ERR	26	12	7	29
	CPFV	48	16	9	74
	STD ERR	10	10	8	17
SPEAR	STD ERR	11	1	0	12
	STD ERR	7	1	1	7
TOTAL		290	25	13	328
	STD ERR	44	16	13	49
SAN LUIS OBISPO	PIER & DOCK	16	13	18	47
	STD ERR	12	20	30	38
	JETTY & BREAKWATER	1	*	0	1
	STD ERR	1	*	1	2
	B/B - H & L	18	14	11	43
	STD ERR	11	17	19	28
	P/R BOAT	29	11	26	66
	STD ERR	23	21	38	49
	CPFV	18	13	33	64
	STD ERR	11	15	35	40
TOTAL		82	51	87	220
	STD ERR	31	37	63	79
GRAND TOTAL		1,860	189	151	2,200
	STD ERR	182	84	102	225

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED, BY COASTAL COUNTY DISTRICT AND MODE, JAN 1985--DEC 1985.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.3	2.0	1.370
	MENDOCINO/SONOMA	2.2	1.5	1.573
	SAN FRANCISCO	3.4	3.0	2.173
	SANTA CRUZ/MONTEREY	3.1	2.5	2.229
	SAN LUIS OBISPO	2.7	2.0	1.758
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	2.6	2.3	1.608
	MENDOCINO/SONOMA	2.6	2.0	1.583
	SAN FRANCISCO	3.2	2.5	2.260
	SANTA CRUZ/MONTEREY	2.7	2.0	2.250
	SAN LUIS OBISPO	3.2	3.0	1.551
BRIDGE & CAUSEWAY	DEL NORTE/HUMBOLDT	3.3	3.0	2.528
	SAN LUIS OBISPO	2.8	2.0	2.000
B/B - H & L	DEL NORTE/HUMBOLDT	2.6	2.0	1.593
	MENDOCINO/SONOMA	2.7	2.0	1.993
	SAN FRANCISCO	3.5	3.0	1.924
	SANTA CRUZ/MONTEREY	3.3	3.0	1.965
	SAN LUIS OBISPO	2.4	2.0	1.365
P/R BOAT	DEL NORTE/HUMBOLDT	3.7	3.5	1.917
	MENDOCINO (BOAT MODES)	4.0	4.0	1.872
	SONOMA (BOAT MODES)	4.7	4.0	1.733
	SAN FRANCISCO	5.0	5.0	2.010
	SANTA CRUZ/MONTEREY	4.4	4.5	2.005
	SAN LUIS OBISPO	3.9	4.0	1.712
CPFV	DEL NORTE/HUMBOLDT	5.2	5.0	1.167
	MENDOCINO (BOAT MODES)	3.9	4.0	0.582
	SONOMA (BOAT MODES)	4.1	4.0	1.259
	SAN FRANCISCO	4.9	5.0	1.868
	SANTA CRUZ/MONTEREY	4.3	4.0	1.642
	SAN LUIS OBISPO	3.9	3.5	2.223
B/B - NET	SAN FRANCISCO	3.0	3.0	0.000
SPEAR	DEL NORTE/HUMBOLDT	3.0	2.0	2.366
	MENDOCINO/SONOMA	1.0	0.5	0.979
	SANTA CRUZ/MONTEREY	1.0	1.0	0.439
	SAN LUIS OBISPO	0.5	0.5	0.000

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1985---DEC 1985.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	516	26.72	44. STRIPED BASS	1274	35.80
33. ROCKFISHES, OTHER	362	18.75	NONE	820	23.04
75. OTHER FISH	229	11.86	33. ROCKFISHES, OTHER	397	11.15
35. LINGCOD	222	11.50	04. STURGEONS	346	9.72
63. SURFPERCHES, OTHER	197	10.20	63. SURFPERCHES, OTHER	306	8.60
56. REDTAIL SURFPERCH	135	6.99	03. SHARK, OTHER	87	2.44
74. SALMONIDS	83	4.30	75. OTHER FISH	62	1.74
15. BLACK ROCKFISH	77	3.99	48. WHITE CROAKER	54	1.52
36. GREENLINGS, OTHER	32	1.66	70. CALIFORNIA HALIBUT	42	1.18
07. SURF SMELT	28	1.45	35. LINGCOD	41	1.15
34. KELP GREENLING	18	0.93	14. JACKSMELT	36	1.01
38. CABEZON	13	0.67	69. STARRY FLOUNDER	31	0.87
14. JACKSMELT	10	0.52	58. SHINER PERCH	16	0.45
06. NORTHERN ANCHOVY	2	0.10	07. SURF SMELT	15	0.42
60. STRIPED SEAPERCH	2	0.10	06. NORTHERN ANCHOVY	8	0.22
MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	757	63.19	NONE	1056	46.93
05. PACIFIC HERRING	82	6.84	33. ROCKFISHES, OTHER	399	17.73
63. SURFPERCHES, OTHER	82	6.84	63. SURFPERCHES, OTHER	257	11.42
35. LINGCOD	50	4.17	35. LINGCOD	131	5.82
33. ROCKFISHES, OTHER	45	3.76	68. TUNAS	127	5.64
38. CABEZON	44	3.67	75. OTHER FISH	52	2.31
75. OTHER FISH	37	3.09	44. STRIPED BASS	50	2.22
07. SURF SMELT	30	2.50	71. PACIFIC SANDDAB	31	1.38
74. SALMONIDS	22	1.84	48. WHITE CROAKER	25	1.11
14. JACKSMELT	8	0.67	03. SHARK, OTHER	23	1.02
16. BLUE ROCKFISH	8	0.67	67. PACIFIC MACKEREL	21	0.93
56. REDTAIL SURFPERCH	8	0.67	70. CALIFORNIA HALIBUT	19	0.84
36. GREENLINGS, OTHER	5	0.42	74. SALMONIDS	16	0.71
44. STRIPED BASS	5	0.42	14. JACKSMELT	13	0.58
69. STARRY FLOUNDER	4	0.33	53. BARRED SURFPERCH	11	0.49
MENDOCINO (BOAT MODES)			SAN LUIS OBISPO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	358	84.43	NONE	1085	63.01
35. LINGCOD	44	10.38	63. SURFPERCHES, OTHER	133	7.72
74. SALMONIDS	14	3.30	33. ROCKFISHES, OTHER	128	7.43
NONE	6	1.42	75. OTHER FISH	109	6.33
33. ROCKFISHES, OTHER	2	0.47	68. TUNAS	90	5.23
SONOMA (BOAT MODES)			70. CALIFORNIA HALIBUT	70	4.07
SOUGHT	COUNT	PERCENT	35. LINGCOD	34	1.97
33. ROCKFISHES, OTHER	171	61.07	67. PACIFIC MACKEREL	20	1.16
NONE	29	10.36	18. BOCACCIO	17	0.99
44. STRIPED BASS	28	10.00	38. CABEZON	6	0.35
75. OTHER FISH	25	8.93	16. BLUE ROCKFISH	5	0.29
35. LINGCOD	13	4.64	53. BARRED SURFPERCH	5	0.29
04. STURGEONS	11	3.93	48. WHITE CROAKER	4	0.23
03. SHARK, OTHER	3	1.07	74. SALMONIDS	3	0.17
			25. OLIVE ROCKFISH	2	0.12

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1985--DEC 1985; THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	67 39.18	22 12.87	23 13.45	4 2.34	11 6.43	22 12.87	11 6.43	3 1.75	2 1.17	6 3.51	171
MENDOCINO/ SONOMA	56 41.18	16 11.76	7 5.15	2 1.47	11 8.09	17 12.50	7 5.15	4 2.94	2 1.47	14 10.29	136
SAN FRANCISCO	496 55.36	98 10.94	83 9.26	53 5.92	59 6.58	76 8.48	16 1.79	10 1.12	3 0.33	2 0.22	896
SANTA CRUZ/ MONTEREY	189 44.37	47 11.03	38 8.92	25 5.87	24 5.63	50 11.74	17 3.99	12 2.82	8 1.88	16 3.76	426
SAN LUIS OBISPO	154 38.02	45 11.11	35 8.64	37 9.14	31 7.65	55 13.58	22 5.43	6 1.48	6 1.48	14 3.46	405
TOTAL	962	228	186	121	136	220	73	35	21	52	2034

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	463 62.23	73 9.81	85 11.42	37 4.97	36 4.84	38 5.11	8 1.08	2 0.27	2 0.27	0 0.00	744
MENDOCINO/ SONOMA	336 75.34	32 7.17	23 5.16	14 3.14	24 5.38	9 2.02	7 1.57	0 0.00	1 0.22	0 0.00	446
SAN FRANCISCO	113 65.70	15 8.72	12 6.98	8 4.65	8 4.65	13 7.56	3 1.74	0 0.00	0 0.00	0 0.00	172
SANTA CRUZ/ MONTEREY	32 54.24	6 10.17	2 3.39	6 10.17	2 3.39	7 11.86	1 1.69	1 1.69	1 1.69	1 1.69	59
SAN LUIS OBISPO	3 42.86	2 28.57	2 28.57	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	7
TOTAL	947	128	124	65	70	67	19	3	4	1	1428

BRIDGE & CAUSEWAY									
NUMBER CAUGHT	0	1	2	4-5	6-10	11-15	OVER 25	TOTAL	
DEL NORTE/ HUMBOLDT	7 53.85	0 0.00	1 7.69	1 7.69	0 0.00	2 15.38	2 15.38	13	
SAN LUIS OBISPO	2 22.22	1 11.11	2 22.22	0 0.00	1 11.11	3 33.33	0 0.00	9	
TOTAL	9	1	3	1	1	5	2	22	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	280 60.48	56 12.10	29 6.26	26 5.62	16 3.46	23 4.97	11 2.38	9 1.94	1 0.22	12 2.59	463
MENDOCINO/ SONOMA	345 70.84	44 9.03	49 10.06	16 3.29	9 1.85	7 1.44	2 0.41	0 0.00	1 0.21	14 2.87	487
SAN FRANCISCO	434 66.67	71 10.91	42 6.45	29 4.45	37 5.68	21 3.23	3 0.46	10 1.54	0 0.00	4 0.61	651
SANTA CRUZ/ MONTEREY	177 44.03	57 14.18	46 11.44	27 6.72	43 10.70	34 8.46	9 2.24	5 1.24	0 0.00	4 1.00	402
SAN LUIS OBISPO	182 51.27	49 13.80	21 5.92	23 6.48	29 8.17	25 7.04	16 4.51	6 1.69	1 0.28	3 0.85	355
TOTAL	1418	277	187	121	134	110	41	30	3	37	2358

(CONTINUED)

TABLE 44. (CONTINUED)

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	136 27.70	43 8.76	50 10.18	60 12.22	64 13.03	56 11.41	58 11.81	18 3.67	2 0.41	4 0.81	491
MENDOCINO (BOAT MDES)	87 26.93	36 11.15	27 8.36	31 9.60	57 17.65	61 18.89	16 4.95	5 1.55	3 0.93	0 0.00	323
SONOMA (BOAT MDES)	31 36.47	5 5.88	7 8.24	11 12.94	6 7.06	11 12.94	12 14.12	2 2.35	0 0.00	0 0.00	85
SAN FRANCISCO	758 57.86	181 13.82	101 7.71	71 5.42	107 8.17	66 5.04	14 1.07	8 0.61	0 0.00	4 0.31	1310
SANTA CRUZ/ MONTEREY	70 11.25	34 5.47	48 7.72	45 7.23	58 9.32	145 23.31	96 15.43	55 8.84	23 3.70	48 7.72	622
SAN LUIS OBISPO	85 14.91	32 5.61	41 7.19	22 3.86	66 11.58	129 22.63	105 18.42	60 10.53	21 3.68	9 1.58	570
TOTAL	1167	331	274	240	358	468	301	148	49	65	3401

CPFV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	12 57.14	3 14.29	2 9.52	2 9.52	2 9.52	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	21
MENDOCINO (BOAT MDES)	4 3.88	1 0.97	2 1.94	1 0.97	9 8.74	37 35.92	40 38.83	6 5.83	3 2.91	0 0.00	103
SONOMA (BOAT MDES)	7 3.66	4 2.09	3 1.57	3 1.57	4 2.09	54 28.27	93 48.69	20 10.47	2 1.05	1 0.52	191
SAN FRANCISCO	75 13.89	53 9.81	48 8.89	43 7.96	83 15.37	110 20.37	103 19.07	22 4.07	2 0.37	1 0.19	540
SANTA CRUZ/ MONTEREY	23 3.34	22 3.20	21 3.05	15 2.18	38 5.52	142 20.64	139 20.20	136 19.77	78 11.34	74 10.76	688
SAN LUIS OBISPO	7 1.77	13 3.29	13 3.29	13 3.29	61 15.44	103 26.08	104 26.33	53 13.42	17 4.30	11 2.78	395
TOTAL	128	96	89	77	197	446	479	237	102	87	1938

BEACH/BANK - NET

NUMBER CAUGHT	0	TOTAL
SAN FRANCISCO	2 100.00	2
TOTAL	2	2

SPEAR

NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	TOTAL
DEL NORTE/ HUMBOLDT	2 28.57	1 14.29	0 0.00	3 42.86	0 0.00	1 14.29	0 0.00	7
MENDOCINO/ SONOMA	62 48.44	14 10.94	19 14.84	10 7.81	9 7.03	9 7.03	5 3.91	128
SANTA CRUZ/ MONTEREY	12 24.00	8 16.00	5 10.00	5 10.00	3 6.00	13 26.00	4 8.00	50
SAN LUIS OBISPO	3 50.00	1 16.67	1 16.67	0 0.00	0 0.00	1 16.67	0 0.00	6
TOTAL	79	24	25	18	12	24	9	191

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1965---DEC 1965.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	5.2
	JETTY & BREAKWATER	1.3
	BRIDGE & CAUSEWAY	9.3
	B/B - H & L	6.6
	P/R BOAT	4.5
	CPFV	1.0
	SPEAR	2.6
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	9.0
	JETTY & BREAKWATER	1.0
	B/B - H & L	2.5
	SPEAR	2.1
MENDOCINO (BOAT MODES)	P/R BOAT	3.8
	CPFV	10.0
SONOMA (BOAT MODES)	P/R BOAT	3.8
	CPFV	11.5
SAN FRANCISCO	PIER & DOCK	2.0
	JETTY & BREAKWATER	1.3
	B/B - H & L	1.6
	P/R BOAT	1.5
	CPFV	6.0
	B/B - NET	0.0
SANTA CRUZ/MONTEREY	PIER & DOCK	5.7
	JETTY & BREAKWATER	3.0
	B/B - H & L	2.5
	P/R BOAT	11.1
	CPFV	14.6
	SPEAR	3.6
SAN LUIS OBISPO	PIER & DOCK	4.4
	JETTY & BREAKWATER	0.9
	BRIDGE & CAUSEWAY	5.4
	B/B - H & L	2.5
	P/R BOAT	8.1
	CPFV	10.6
	SPEAR	2.0

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1965---DEC 1965.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
				NUMBER
	PERCENT			
DEL NORTE/HUMBOLDT	73.1	21.8	5.2	1931
MENDOCINO/SONOMA (NON-BOAT MODES)	74.0	24.3	1.8	1198
MENDOCINO (BOAT MODES)	68.6	27.8	3.5	424
SONOMA (BOAT MODES)	85.0	12.9	2.1	280
SAN FRANCISCO	97.3	1.7	1.0	3559
SANTA CRUZ/MONTEREY	86.6	9.8	3.6	2250
SAN LUIS OBISPO	38.7	58.9	2.4	1722
TOTAL NUMBER	8904	2159	301	11364

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
5 PACIFIC HERRING	*	*	*	0	*	*	0
6 NORTHERN ANCHOVY	0	0	*	*	*	*	0
7 SURF SMELT	0	*	12	*	*	*	12
8 SMELTS, OTHER	*	*	*	*	*	*	*
10 PACIFIC TOMCOD	*	0	0	*	*	*	0
14 JACKSMELT	1	*	*	*	*	*	1
15 BLACK ROCKFISH	1	1	0	251	1	*	254
16 BLUE ROCKFISH	*	0	*	4	*	*	4
17 BROWN ROCKFISH	*	0	0	1	*	*	1
19 CANARY ROCKFISH	*	*	*	23	*	*	23
21 COPPER ROCKFISH	*	0	0	38	*	*	38
23 GREENSPOTTED ROCKFISH	*	*	*	0	1	*	1
26 QUILLBACK ROCKFISH	*	*	*	8	*	*	8
27 ROSY ROCKFISH	*	*	*	1	*	*	1
29 VERMILION ROCKFISH	*	*	*	5	*	*	5
31 YELLOWTAIL ROCKFISH	*	*	*	8	*	*	8
33 ROCKFISHES, OTHER	0	1	0	175	1	*	178
34 KELP GREENLING	0	1	1	3	0	*	5
35 LINGCOD	*	2	2	272	*	*	275
36 GREENLINGS, OTHER	0	0	0	1	*	*	2
37 SABLEFISH	*	*	*	1	*	*	1
38 CABEZON	0	1	0	11	*	*	12
39 PAC. STAGHORN SCULPIN	0	*	0	0	*	*	0
40 SCULPINS, OTHER	0	0	*	1	*	*	1
50 CROAKERS, OTHER	*	*	*	0	*	*	0
55 PILE PERCH	0	0	1	*	*	*	1
56 REDTAIL SURFPERCH	0	0	7	1	*	*	8
58 SHINER PERCH	0	*	0	*	*	*	0
59 SILVER SURFPERCH	6	0	0	*	*	*	7
60 STRIPED SEAPERCH	0	0	1	0	*	*	2
61 WALLEYE SURFPERCH	2	0	0	*	*	*	2
62 WHITE SEAPERCH	1	0	1	*	*	*	2
63 SURFPERCHES, OTHER	13	0	1	*	*	*	14
69 STARRY FLOUNDER	*	*	0	1	*	*	1
71 PACIFIC SANDDAB	*	0	*	2	*	*	2
72 ROCK SOLE	*	*	*	*	*	*	*
73 FLATFISHES, OTHER	*	0	*	1	*	*	1
74 SALMONIDS	2	3	1	3	*	*	9
75 OTHER FISH	*	11	0	*	*	*	11
TOTAL	28	22	28	813	3	0	894

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	OPFV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*
5 PACIFIC HERRING	21	*	*	*	*	21
7 SURF SMELT	*	*	*	*	*	*
14 JACKSMELT	0	0	*	*	*	0
15 BLACK ROCKFISH	*	1	1	*	*	6
16 BLUE ROCKFISH	*	*	0	*	5	5
19 CANARY ROCKFISH	*	0	*	*	0	1
20 CHILIPEPPER ROCKFISH	1	*	*	*	*	1
21 COPPER ROCKFISH	*	1	*	*	1	1
23 GREENSPOTTED ROCKFISH	0	*	*	*	*	0
29 VERMILION ROCKFISH	*	1	*	*	1	2
31 YELLOWTAIL ROCKFISH	1	*	*	*	0	1
33 ROCKFISHES, OTHER	*	1	1	*	2	4
34 KELP GREENLING	*	0	5	*	1	6
35 LINGCOD	*	1	1	*	6	8
36 GREENLINGS, OTHER	*	0	4	*	0	5
38 CABEZON	*	0	5	*	0	5
39 PAC. STAGHORN SCULPIN	0	0	*	*	*	0
40 SCULPINS, OTHER	*	0	1	*	*	1
44 STRIPED BASS	*	*	*	*	*	*
55 PILE PERCH	*	*	*	*	0	0
56 REDTAIL SURFPERCH	*	*	4	*	*	4
57 RUBBERLIP SEAPERCH	*	*	*	*	1	1
58 SHINER PERCH	0	*	*	*	*	0
59 SILVER SURFPERCH	*	0	0	*	*	1
60 STRIPED SEAPERCH	*	1	4	*	1	6
61 WALLEYE SURFPERCH	0	*	0	*	*	0
62 WHITE SEAPERCH	0	0	*	*	*	0
63 SURFPERCHES, OTHER	0	0	2	*	*	3
69 STARRY FLOUNDER	*	0	*	*	*	0
72 ROCK SOLE	*	0	*	*	*	0
73 FLATFISHES, OTHER	*	0	*	*	*	0
75 OTHER FISH	0	*	*	*	*	0
TOTAL	24	8	28	0	23	83

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	1	*	*	1
15 BLACK ROCKFISH	*	*	*	19	7	*	27
16 BLUE ROCKFISH	*	*	*	13	35	*	48
18 BOCACCIO	*	*	*	*	3	*	3
19 CANARY ROCKFISH	*	*	*	8	4	*	12
20 CHILIPEPPER ROCKFISH	*	*	*	*	1	*	1
21 COPPER ROCKFISH	*	*	*	15	1	*	16
22 GOPHER ROCKFISH	*	*	*	0	*	*	0
23 GREENSPOTTED ROCKFISH	*	*	*	*	8	*	8
24 GREENSTRIPED ROCKFISH	*	*	*	*	2	*	2
26 QUILLBACK ROCKFISH	*	*	*	*	1	*	1
27 ROSY ROCKFISH	*	*	*	1	1	*	2
29 VERMILION ROCKFISH	*	*	*	2	*	*	2
30 WIDOW ROCKFISH	*	*	*	0	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	1	12	*	14
33 ROCKFISHES, OTHER	*	*	*	12	4	*	17
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	71	21	*	93
38 CABEZON	*	*	*	2	*	*	2
67 PACIFIC MACKEREL	*	*	*	0	*	*	0
71 PACIFIC SANDDAB	*	*	*	4	4	*	7
72 ROCK SOLE	*	*	*	0	0	*	1
73 FLATFISHES, OTHER	*	*	*	0	0	*	1
74 SALMONIDS	*	*	*	1	3	*	5
75 OTHER FISH	*	*	*	8	*	*	8
TOTAL	0	0	0	161	109	0	270

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	15	*	15
4 STURGEONS	*	*	*	*	*	*	*
14 JACKSMELT	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	*	*	7	1	*	8
16 BLUE ROCKFISH	*	*	*	12	7	*	19
17 BROWN ROCKFISH	*	*	*	7	13	*	20
18 BOCACCIO	*	*	*	*	7	*	7
19 CANARY ROCKFISH	*	*	*	2	8	*	9
20 CHILIPEPPER ROCKFISH	*	*	*	*	20	*	20
21 COPPER ROCKFISH	*	*	*	21	6	*	27
22 GOPHER ROCKFISH	*	*	*	1	*	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	*	9	*	9
24 GREENSTRIPED ROCKFISH	*	*	*	*	0	*	0
25 OLIVE ROCKFISH	*	*	*	0	1	*	1
26 QUILLBACK ROCKFISH	*	*	*	0	1	*	1
27 ROSY ROCKFISH	*	*	*	2	1	*	3
28 STARRY ROCKFISH	*	*	*	0	1	*	1
29 VERMILION ROCKFISH	*	*	*	*	2	*	2
30 WIDOW ROCKFISH	*	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	6	39	*	45
33 ROCKFISHES, OTHER	*	*	*	4	11	*	14
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGCOD	*	*	*	66	4	*	70
39 PAC. STAGHORN SOULPIN	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	*	5	*	*	5
60 STRIPED SEAPERCH	*	*	*	1	*	*	1
67 PACIFIC MACKEREL	*	*	*	*	0	*	0
70 CALIFORNIA HALIBUT	*	*	*	14	1	*	14
71 PACIFIC SANDDAB	*	*	*	*	0	*	0
73 FLATFISHES, OTHER	*	*	*	*	0	*	0
74 SALMONIDS	*	*	*	1	2	*	3
75 OTHER FISH	*	*	*	*	*	*	*
TOTAL	0	0	0	150	147	0	297

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	6	*	*	6
3 SHARK, OTHER	*	*	*	*	3	*	3
7 SURF SMELT	*	*	*	*	*	*	*
10 PACIFIC TOMCOD	0	*	*	*	*	*	0
12 PACIFIC HAKE	*	*	*	1	1	*	1
14 JACKSMELT	*	*	0	*	*	*	0
15 BLACK ROCKFISH	*	*	*	7	39	*	46
16 BLUE ROCKFISH	*	0	0	6	54	*	61
17 BROWN ROCKFISH	0	0	*	8	30	*	38
18 BOACCIO	*	0	*	*	28	*	28
19 CANARY ROCKFISH	*	*	*	3	24	*	26
20 CHILIPEPPER ROCKFISH	*	*	*	*	13	*	13
21 COPPER ROCKFISH	*	*	*	1	16	*	16
22 GOPHER ROCKFISH	*	*	*	1	1	*	2
23 GREENSPOTTED ROCKFISH	*	*	*	*	13	*	13
24 GREENSTRIPED ROCKFISH	*	*	*	*	1	*	1
25 OLIVE ROCKFISH	*	0	*	*	6	*	6
26 QUILLBACK ROCKFISH	*	*	*	0	1	*	2
27 ROSY ROCKFISH	*	*	*	0	2	*	2
28 STARRY ROCKFISH	*	*	*	*	1	*	1
29 VERMILION ROCKFISH	*	*	*	1	6	*	7
30 WIDOW ROCKFISH	*	*	*	*	3	*	3
31 YELLOWTAIL ROCKFISH	*	0	*	2	140	*	142
33 ROCKFISHES, OTHER	*	1	0	1	32	*	33
34 KELP GREENLING	*	0	0	1	0	*	1
35 LINGCOD	*	2	0	15	50	*	67
36 GREENLINGS, OTHER	*	*	0	*	*	*	0
38 CABEZON	*	0	0	*	5	*	6
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	*	0
44 STRIPED BASS	*	*	8	25	1	*	34
48 WHITE CROAKER	4	0	*	3	1	*	9
53 BARRED SURFPERCH	0	*	1	*	*	*	1
56 REDTAIL SURFPERCH	*	*	1	*	*	*	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	0	0	0	*	*	*	1
60 STRIPED SEAPERCH	0	*	1	*	*	*	1
61 WALLEYE SURFPERCH	0	*	0	*	*	*	0
63 SURFPERCHES, OTHER	*	*	2	*	*	*	2
67 PACIFIC MACKEREL	*	*	*	*	1	*	1
69 STARRY FLOUNDER	0	*	*	0	1	*	1
70 CALIFORNIA HALIBUT	*	*	*	2	7	*	9
71 PACIFIC SANDDAB	0	*	*	*	0	*	0
72 ROCK SOLE	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	*	0	*	*	0	*	0
74 SALMONIDS	*	*	*	1	2	*	2
75 OTHER FISH	*	*	*	8	2	*	10
TOTAL	6	5	13	91	480	0	595

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1985--DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	OPV	SPEAR	ALL MODES	
1 LEOPARD SHARK	6	*	5	115	85	*	211
2 SPINY DOGFISH	*	*	*	1	*	*	1
3 SHARK, OTHER	1	*	5	4	6	*	16
4 STURGEONS	*	*	*	129	13	*	142
5 PACIFIC HERRING	*	*	*	*	*	*	*
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
7 SURF SMELT	0	*	*	*	*	*	0
10 PACIFIC TOMCOD	0	*	*	*	*	*	0
14 JACKSMELT	5	0	1	*	*	*	6
16 BLUE ROCKFISH	*	*	*	0	*	*	0
17 BROWN ROCKFISH	1	0	1	5	*	*	7
19 CANARY ROCKFISH	*	*	*	0	*	*	0
22 GOPHER ROCKFISH	*	0	*	*	*	*	0
33 ROCKFISHES, OTHER	0	0	0	1	*	*	1
34 KELP GREENLING	0	*	*	*	*	*	0
35 LINGCOD	0	*	1	3	*	*	4
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
38 CABEZON	0	*	0	*	*	*	0
39 PAC. STAGHORN SCULPIN	0	0	1	0	*	*	1
40 SCULPINS, OTHER	0	*	*	*	*	*	0
44 STRIPED BASS	3	2	1	39	7	*	51
48 WHITE CROAKER	1	*	0	6	*	*	8
53 BARRED SURFPERCH	*	*	0	1	*	*	1
54 BLACK PERCH	1	0	0	1	*	*	2
55 PILE PERCH	1	*	0	5	*	*	6
57 RUBBERLIP SEAPERCH	1	*	*	1	*	*	1
58 SHINER PERCH	1	0	4	0	*	*	5
59 SILVER SURFPERCH	1	*	0	0	*	*	2
60 STRIPED SEAPERCH	0	*	*	*	*	*	0
61 WALLEYE SURFPERCH	1	*	0	0	*	*	1
62 WHITE SEAPERCH	0	*	*	*	*	*	0
63 SURFPERCHES, OTHER	0	*	0	*	*	*	0
67 PACIFIC MACKEREL	0	*	*	*	*	*	0
69 STARRY FLOUNDER	0	0	1	2	*	*	4
70 CALIFORNIA HALIBUT	*	*	*	7	15	*	23
71 PACIFIC SANDDAB	*	*	*	*	*	*	*
73 FLATFISHES, OTHER	*	*	0	*	0	*	0
75 OTHER FISH	3	0	1	5	*	*	9
TOTAL	26	3	23	327	125	0	504

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1965--DEC 1965.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	3	1	*	*	4
2 SPINY DOGFISH	*	*	*	4	2	*	6
3 SHARK, OTHER	*	*	*	27	0	*	27
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
12 PACIFIC HAKE	*	*	*	2	93	*	95
14 JACKSMELT	2	1	2	0	*	*	6
15 BLACK ROCKFISH	*	*	*	15	1	1	17
16 BLUE ROCKFISH	*	*	*	22	47	1	69
17 BROWN ROCKFISH	0	*	0	19	6	*	25
18 BOACCIO	0	*	*	3	32	0	34
19 CANARY ROCKFISH	*	*	*	7	11	*	18
20 CHILIPEPPER ROCKFISH	*	*	*	0	150	*	151
21 COPPER ROCKFISH	*	*	*	4	6	1	11
22 GOPHER ROCKFISH	*	*	*	13	1	1	14
23 GREENSPOTTED ROCKFISH	*	*	*	3	32	*	35
24 GREENSTRIPED ROCKFISH	*	*	*	0	7	*	7
25 OLIVE ROCKFISH	*	*	*	2	17	1	19
26 QUILLBACK ROCKFISH	*	*	*	0	0	*	1
27 ROSY ROCKFISH	*	*	*	2	5	*	8
28 STARRY ROCKFISH	*	*	*	1	6	*	7
29 VERMILION ROCKFISH	*	*	*	4	6	*	10
30 WIDOW ROCKFISH	*	*	*	*	9	*	9
31 YELLOWTAIL ROCKFISH	*	*	*	4	52	*	56
33 ROCKFISHES, OTHER	0	0	0	15	32	6	55
34 KELP GREENLING	*	*	0	1	*	0	2
35 LINGCOD	2	*	*	20	74	3	98
37 SABLEFISH	*	*	*	0	20	*	20
38 CABEZON	1	0	1	0	*	1	3
39 PAC. STAGHORN SCULPIN	0	0	0	0	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	1	*	*	*	1
48 WHITE CROAKER	15	*	0	60	0	*	75
53 BARRED SURFPERCH	1	0	9	*	*	*	10
54 BLACK PERCH	1	*	1	0	*	0	2
55 PILE PERCH	1	*	1	*	*	0	2
57 RUBBERLIP SEAPERCH	*	*	*	*	*	1	1
58 SHINER PERCH	0	*	1	*	*	*	0
59 SILVER SURFPERCH	0	*	1	*	*	*	1
60 STRIPED SEAPERCH	*	0	1	*	*	0	2
61 WALLEYE SURFPERCH	3	0	0	0	*	*	3
62 WHITE SEAPERCH	3	0	0	*	*	*	3
63 SURFPERCHES, OTHER	1	*	1	0	*	1	2
66 PACIFIC BONITO	*	*	*	*	2	*	2
67 PACIFIC MACKEREL	0	*	*	7	22	*	29
68 TUNAS	*	*	*	70	130	*	200
69 STARRY FLOUNDER	0	*	*	2	*	*	2
70 CALIFORNIA HALIBUT	*	*	*	2	*	5	7
71 PACIFIC SANDDAB	2	*	*	14	7	0	23
72 ROCK SOLE	*	*	*	1	1	*	2
73 FLATFISHES, OTHER	0	*	*	3	2	*	4
74 SALMONIDS	0	1	*	3	*	*	5
75 OTHER FISH	0	5	*	8	6	*	19
TOTAL	32	8	22	340	778	22	1202

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1985---DEC 1985.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	*	*	*	*
2 SPINY DOGFISH	*	*	*	2	1	*	2
3 SHARK, OTHER	*	*	*	10	*	*	10
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
12 PACIFIC HAKE	*	*	*	1	1	*	1
14 JACKSMELT	5	*	*	2	1	*	8
15 BLACK ROCKFISH	*	*	*	12	1	*	12
16 BLUE ROCKFISH	*	*	*	29	8	*	37
17 BROWN ROCKFISH	0	*	*	13	3	*	16
18 BOCACCO	1	*	*	1	22	*	24
19 CANARY ROCKFISH	*	*	*	6	4	*	9
20 CHILIPEPPER ROCKFISH	*	*	*	*	112	*	112
21 COPPER ROCKFISH	*	*	*	7	6	*	13
22 GOPHER ROCKFISH	*	*	*	22	8	*	30
23 GREENSPOTTED ROCKFISH	*	*	*	1	7	*	8
24 GREENSTRIPED ROCKFISH	*	*	*	0	1	*	2
25 OLIVE ROCKFISH	*	*	*	6	8	*	14
26 QUILLBACK ROCKFISH	*	*	*	*	0	*	0
27 ROSY ROCKFISH	*	*	*	1	5	*	6
28 STARRY ROCKFISH	*	*	*	2	11	*	13
29 VERMILION ROCKFISH	*	*	*	7	11	*	18
30 WIDOW ROCKFISH	*	*	*	0	13	*	13
31 YELLOWTAIL ROCKFISH	*	*	*	5	51	*	57
33 ROCKFISHES, OTHER	*	*	3	40	55	*	99
34 KELP GREENLING	*	*	0	1	*	*	1
35 LINGCOD	0	*	*	16	5	*	22
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
37 SABLEFISH	*	*	*	*	0	*	0
38 CABEZON	0	*	1	3	1	*	5
39 PAC. STAGHORN SCULPIN	0	*	0	*	*	*	0
41 BARRED SAND BASS	0	*	0	*	*	*	0
43 KELP BASS	*	*	*	*	*	*	*
44 STRIPED BASS	*	*	2	*	*	*	2
46 YELLOWTAIL	*	0	*	0	*	*	0
48 WHITE CROAKER	4	0	0	4	*	*	9
51 OPALLEYE	*	*	1	*	*	*	1
53 BARRED SURFPERCH	0	*	5	0	*	*	6
54 BLACK PERCH	*	*	1	*	*	*	1
55 PILE PERCH	*	*	1	*	*	*	1
57 RUBBERLIP SEAPERCH	*	*	1	*	*	*	1
58 SHINER PERCH	0	*	*	*	*	*	0
59 SILVER SURFPERCH	*	*	2	*	*	*	2
60 STRIPED SEAPERCH	0	*	0	*	*	*	1
61 WALLEYE SURFPERCH	0	*	0	*	*	*	0
63 SURFPERCHES, OTHER	0	*	2	*	*	*	2
65 PACIFIC BARRACUDA	*	*	*	0	*	*	0
66 PACIFIC BONITO	*	*	*	*	*	*	*
67 PACIFIC MACKEREL	19	*	*	9	10	*	38
68 TUNAS	*	*	*	76	233	*	308
69 STARRY FLOUNDER	0	*	1	1	*	*	3
70 CALIFORNIA HALIBUT	1	*	1	6	*	*	9
71 PACIFIC SANDDAB	*	*	*	0	0	*	0
72 ROCK SOLE	*	*	*	*	0	*	0
73 FLATFISHES, OTHER	*	*	*	1	1	*	2
75 OTHER FISH	1	*	0	9	1	*	11
TOTAL	34	0	25	292	580	0	931

TABLE 1. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	0	0	98	*	*	*	131	22	17	0	0	71	*	*	*	131	22	17
02. SPINY DOGFISH	*	*	*	0	0	90	8	3	33	1	1	51	2	1	47	12	3	25
03. SHARK, OTHER	0	0	73	0	0	100	592	144	24	6	2	33	4	2	54	603	144	24
04. STURGEONS	*	*	*	*	*	*	86	16	19	*	*	*	*	*	*	86	16	19
05. PACIFIC HERRING	10	13	132	36	17	49	*	*	*	*	*	*	*	*	*	45	22	47
06. NORTHERN ANCHOVY	*	*	*	*	*	*	41	19	46	*	*	*	*	*	*	41	19	46
07. SURF SHELTER	4	3	87	19	33	173	*	*	*	*	*	*	*	*	23	33	147	
10. PACIFIC TOMCOD	*	*	*	*	*	*	1	1	100	*	*	*	*	*	*	1	1	100
12. PACIFIC HAKE	0	0	100	*	*	*	*	*	*	93	29	30	2	2	110	96	30	31
13. SILVERSIDES	*	*	*	*	*	*	2	1	48	*	*	*	*	*	*	2	1	48
14. JACKSMELT	4	4	93	0	0	61	95	32	34	18	7	38	32	16	50	150	37	25
15. BLACK ROCKFISH	193	179	93	38	15	40	11	3	31	18	7	41	6	6	99	266	180	68
16. BLUE ROCKFISH	12	25	203	20	8	31	83	36	44	104	25	24	101	52	51	326	73	22
17. BROWN ROCKFISH	2	2	111	21	8	36	130	20	19	81	39	48	21	14	67	254	16	19
18. BOCCACCIO	0	0	71	4	1	28	14	4	31	185	73	40	147	86	58	350	119	32
19. CANARY ROCKFISH	16	25	155	54	16	31	59	15	26	42	15	36	29	16	53	200	40	20
20. CHILIPEPPER ROCKFISH	*	*	*	77	13	17	16	5	29	261	84	30	51	57	111	405	103	25
21. COPPER ROCKFISH	7	10	140	17	7	41	15	4	29	16	5	29	16	8	54	70	16	23
22. GOPHER ROCKFISH	*	*	*	2	1	47	1	1	43	46	17	34	86	51	60	136	53	40
23. GREENSPOTTED ROCKFISH	*	*	*	14	7	51	27	9	34	74	20	34	4	4	96	118	28	24
24. GREENSTRIPED ROCKFISH	1	1	100	1	1	50	3	2	52	38	15	38	2	1	66	46	15	33
25. OLIVE ROCKFISH	*	*	*	1	1	47	31	11	35	56	18	33	16	7	46	104	23	22
26. QUILLBACK ROCKFISH	3	4	139	1	1	60	4	1	47	*	*	*	*	*	*	7	4	59
27. ROSY ROCKFISH	1	1	88	8	5	58	30	9	23	39	12	32	24	12	48	113	20	18
28. STARRY ROCKFISH	*	*	*	2	1	34	12	4	28	19	8	42	16	9	57	50	13	25
29. VERMILION ROCKFISH	1	1	100	5	2	41	3	1	48	13	4	31	23	13	56	45	14	30
30. WIDOW ROCKFISH	*	*	*	1	0	20	13	7	55	11	4	38	79	60	76	105	61	58
31. YELLOWTAIL ROCKFISH	8	9	124	37	8	21	154	40	26	114	38	34	69	57	84	381	81	21
33. ROCKFISHES, OTHER	108	219	203	52	12	23	62	18	29	412	86	21	113	42	37	748	240	32
34. KELP GREENLING	9	5	52	15	4	30	9	4	43	4	1	29	2	4	43	38	7	20
35. LINGCOD	27	30	111	28	7	25	35	9	27	97	24	25	32	13	41	219	42	19
36. GREENLINGS, OTHER	7	2	32	28	12	43	*	*	*	*	*	*	0	0	35	35	12	35
37. SABLEFISH	*	*	*	*	*	*	*	*	*	46	17	37	0	0	73	47	17	37
38. CABEZON	7	3	48	26	11	41	18	6	32	12	3	28	9	5	53	71	14	20
39. PAC. STAGHORN SCULPIN	1	1	209	1	1	90	813	115	14	174	39	23	36	52	147	1,024	133	13
40. SCULPINS, OTHER	20	13	66	2	1	51	0	0	100	1	0	72	0	0	100	22	13	58
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	3	0	60	3	0	60
42. SPOTTED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	0	0	100	0	0	100
43. KELP BASS	*	*	*	*	*	*	1	1	100	1	0	81	0	0	75	2	2	66
44. STRIPED BASS	*	*	*	0	0	100	112	19	17	3	3	104	*	*	*	115	19	16
48. WHITE CROAKER	*	*	*	*	*	*	117	23	20	624	336	54	154	79	51	896	346	39
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	93	99	107	93	99	107
50. CROAKERS, OTHER	*	*	*	*	*	*	1	1	100	*	*	*	1	1	81	1	1	81
51. OPALLEYE	*	*	*	*	*	*	*	*	*	0	0	184	0	0	184	0	0	184
53. BARRED SURFPERCH	0	0	174	0	0	100	8	3	38	178	69	39	107	50	47	293	85	29
54. BLACK PERCH	*	*	*	0	0	63	44	12	28	5	3	47	1	0	63	50	13	25
55. PILE PERCH	1	1	73	*	*	*	278	201	72	7	4	48	3	2	67	290	201	69
56. REDTAIL SURFPERCH	24	12	50	4	3	78	1	0	75	*	*	*	*	*	*	28	12	44
57. RUBBERLIP SEAPERCH	*	*	*	1	1	72	115	102	89	1	1	57	*	*	*	117	102	87
58. SHINER PERCH	4	4	87	28	24	84	367	90	25	1	1	56	15	13	88	415	94	23
59. SILVER SURFPERCH	3	3	95	1	0	72	46	41	90	8	3	40	19	8	44	76	42	56
60. STRIPED SEAPERCH	52	32	61	7	3	39	8	4	48	4	1	40	1	1	67	71	32	45
61. HALLIEYE SURFPERCH	4	9	215	0	0	100	26	10	36	12	4	32	23	16	68	66	21	32
62. WHITE SEAPERCH	1	1	80	2	2	67	116	93	81	8	4	46	1	1	100	127	93	73
63. SURFPERCHES, OTHER	23	44	191	7	3	39	130	22	17	94	20	22	88	78	89	341	95	28
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	*	*	*	13	16	125	13	16	125
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	1	1	77	*	*	*	1	1	77
67. PACIFIC MACKEREL	*	*	*	*	*	*	32	21	65	49	13	28	17	8	46	97	26	27
68. TUNAS	*	*	*	*	*	*	*	*	*	11	4	34	24	14	59	34	15	42
69. STARRY FLOUNDER	0	0	81	0	0	83	29	6	20	2	1	34	0	0	100	32	6	18
70. CALIFORNIA HALIBUT	*	*	*	1	1	71	6	3	43	5	3	51	27	13	49	39	14	35
71. PACIFIC SANDDAB	0	0	71	9	4	43	2	1	59	141	49	35	2	0	48	154	49	32
72. ROCK SOLE	*	*	*	0	0	61	1	1	100	3	1	51	0	0	73	4	4	38
73. FLATFISHES, OTHER	1	1	77	7	3	47	4	2	45	53	12	23	*	*	*	66	13	28
74. SALMONIDS	56	106	190	7	3	44	4	2	41	4	2	58	15	13	92	86	107	126
75. OTHER FISH	0	0	80	14	7	47	353	56	16	45	12	27	30	13	41	442	59	13
TOTAL	612	312	51	604	59	10	4,308	340	8	3,241	387	12	1,557	234	15	10322	649	6

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 2. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	PIER & DOCK BREAKWATER	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	BEACH BANK NET	P/R BOAT	CPFV	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	36	31	5	98	442	*	*	612
MENDOCINO/SONOMA (NON-BOAT MODES)	75	25	*	75	*	*	29	205
MENDOCINO (BOAT MODES)	*	*	*	*	43	64	*	107
SONOMA (BOAT MODES)	*	*	*	*	162	130	*	291
SAN FRANCISCO	1,028	56	*	689	1,903	633	*	4,308
SANTA CRUZ/MONTEREY	255	16	*	344	1,260	1,326	40	3,241
SAN LUIS OBISPO	487	*	*	102	500	468	*	1,557
TOTAL	1,881	128	5	1,308	4,310	2,621	69	10,322

TABLE 3. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	1	*	4	125	0	*	*	131
02. SPINY DOGFISH	*	*	*	*	10	2	*	*	12
03. SHARK, OTHER	7	1	*	34	559	3	*	*	603
04. STURGEONS	*	*	*	*	81	5	*	*	86
05. PACIFIC HERRING	36	8	*	2	0	*	*	*	45
06. NORTHERN ANCHOVY	14	*	*	11	15	*	*	*	41
07. SURF SMELT	*	23	*	*	*	*	*	*	23
10. PACIFIC TOMCOD	*	*	*	*	1	*	*	*	1
12. PACIFIC HAKE	*	*	*	*	7	89	*	*	96
13. SILVERSIDES	2	*	*	*	*	*	*	*	2
14. JACKSMELT	109	1	*	13	27	*	*	*	150
15. BLACK ROCKFISH	0	2	*	0	228	26	*	9	266
16. BLUE ROCKFISH	0	4	*	2	174	135	*	10	305
17. BROWN ROCKFISH	9	1	*	17	167	60	*	*	294
18. BOCACCIO	61	*	*	*	2	287	*	*	350
19. CANARY ROCKFISH	*	*	*	*	92	108	*	0	200
20. CHILPEPPER ROCKFISH	*	*	*	*	5	401	*	*	406
21. COPPER ROCKFISH	1	0	*	0	34	35	*	1	70
22. GOPHER ROCKFISH	0	*	*	0	116	18	*	0	135
23. GREENSPOTTED ROCKFISH	*	*	*	*	14	104	*	*	118
24. GREENSTRIPED ROCKFISH	*	*	*	*	3	43	*	*	46
25. OLIVE ROCKFISH	*	*	*	*	22	79	*	4	104
26. QUILLBACK ROCKFISH	*	*	*	*	4	4	*	*	7
27. ROSY ROCKFISH	0	*	*	*	22	91	*	*	113
28. STARRY ROCKFISH	*	*	*	*	9	41	*	*	50
29. VERMILION ROCKFISH	*	*	*	1	24	20	*	0	45
30. WIDOW ROCKFISH	*	*	*	*	4	101	*	*	105
31. YELLOWTAIL ROCKFISH	0	*	*	*	35	345	*	1	381
33. ROCKFISHES, OTHER	9	5	*	13	419	292	*	10	748
34. KELP GREENLING	0	4	0	11	17	3	*	3	38
35. LINGCOD	4	2	*	3	112	86	*	12	219
36. GREENLING, OTHER	1	3	*	28	1	*	*	1	35
37. SABLEFISH	*	*	*	*	5	42	*	*	47
38. CABEZON	5	2	*	30	20	7	*	7	71
39. PAC. STAGHORN SCULPIN	317	26	*	221	446	12	*	0	1,024
40. SCULPINS, OTHER	4	1	1	14	2	0	*	*	22
41. BARRED SAND BASS	*	*	*	1	1	*	*	*	3
42. SPOTTED SAND BASS	*	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	0	1	*	*	0	2
44. STRIPED BASS	5	*	*	10	89	11	*	*	115
48. WHITE CROAKER	171	3	*	7	713	3	*	*	896
49. QUEENFISH	93	*	*	*	0	*	*	*	93
50. CROAKERS, OTHER	*	*	*	1	1	*	*	*	1
51. OPALLEYE	*	*	*	0	*	*	*	*	0
53. BARRED SURFFERCH	37	1	*	23	2	*	*	*	293
54. BLACK PERCH	15	2	*	21	11	*	*	1	50
55. PILE PERCH	196	0	1	78	12	*	*	3	290
56. REDTAIL SURFFERCH	1	1	0	26	0	*	*	*	28
57. RUBBERLIP SEAPERCH	3	1	*	8	105	*	*	1	117
58. SHINER PERCH	320	4	1	80	10	*	*	*	415
59. SILVER SURFFERCH	17	2	*	55	1	*	*	*	76
60. STRIPED SEAPERCH	1	5	0	60	2	*	*	4	71
61. WALLEYE SURFFERCH	49	1	0	11	5	*	*	*	66
62. WHITE SEAPERCH	22	0	0	7	98	*	*	*	127
63. SURFFERCHES, OTHER	174	17	0	117	33	*	*	1	341
65. PACIFIC BARRAQUA	*	*	*	*	13	*	*	*	13
66. PACIFIC BONITO	*	*	*	*	*	1	*	*	1
67. PACIFIC MACKEREL	4	*	*	*	31	62	*	*	97
68. TUNAS	*	*	*	*	14	20	*	*	34
69. STARRY FLOUNDER	12	0	*	2	17	1	*	*	32
70. CALIFORNIA HALIBUT	3	*	*	0	34	1	*	1	39
71. PACIFIC SANDDAB	1	1	*	1	87	65	*	*	154
72. ROCK SOLE	*	*	*	2	2	*	*	*	4
73. FLATFISHES, OTHER	19	2	0	7	35	3	*	*	65
74. SALMONIDS	6	0	*	3	73	3	*	*	85
75. OTHER FISH	151	6	*	156	117	11	*	1	442
TOTAL	1,881	128	5	1,308	4,310	2,621	0	69	10,322

TABLE 4. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK BREAKWATER	JETTY & BANKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	0	*	0	*	*	*	0
03. SHARK, OTHER	*	0	*	0	*	*	*	0
05. PACIFIC HERRING	0	8	*	2	0	*	*	10
07. SURF SMELT	*	4	*	*	*	*	*	4
12. PACIFIC HAKE	*	*	*	*	0	*	*	0
14. JACKSMELT	4	0	*	0	0	*	*	4
15. BLACK ROCKFISH	0	2	*	0	191	*	*	193
16. BLUE ROCKFISH	*	0	*	0	12	*	*	12
17. BROWN ROCKFISH	*	0	*	*	1	*	*	2
18. BOCACCIO	*	*	*	*	0	*	*	0
19. CANARY ROCKFISH	*	*	*	*	16	*	*	16
21. COPPER ROCKFISH	*	0	*	*	7	*	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	8	*	*	8
33. ROCKFISHES, OTHER	0	1	*	0	106	*	*	108
34. KELP GREENLING	0	4	0	1	3	*	*	9
35. LINGCOD	*	0	*	*	26	*	*	27
36. GREENLINGS, OTHER	0	3	*	3	1	*	*	7
38. CABEZON	1	1	*	1	4	*	*	7
39. PAC. STAGHORN SCULPIN	0	0	*	0	1	*	*	1
40. SCULPINS, OTHER	4	0	1	14	1	*	*	20
53. BARRED SURFPERCH	*	*	*	0	*	*	*	0
55. PILE PERCH	0	0	1	0	*	*	*	1
56. REDTAIL SURFPERCH	1	1	0	22	0	*	*	24
58. SHINER PERCH	3	*	1	*	*	*	*	4
59. SILVER SURFPERCH	0	2	*	1	*	*	*	3
60. STRIPED SEAPERCH	1	2	0	49	*	*	*	52
61. WALLEYE SURFPERCH	4	0	0	0	0	*	*	4
62. WHITE SEAPERCH	0	0	0	0	*	*	*	1
63. SURFPERCHES, OTHER	16	2	0	5	0	*	*	23
69. STARRY FLOUNDER	0	0	*	*	0	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	0	*	0	0	1	*	*	1
74. SALMONIDS	*	*	*	1	55	*	*	56
75. OTHER FISH	*	0	*	0	*	*	*	0
TOTAL	36	31	5	98	442	0	0	612

TABLE 5. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	36	*	*	*	*	*	*	*	36
07. SURF SMELT	*	19	*	*	*	*	*	*	19
14. JACKSMELT	0	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	*	*	*	*	8	8
16. BLUE ROCKFISH	*	*	*	2	*	*	*	9	11
19. CANARY ROCKFISH	*	*	*	*	*	*	*	0	0
21. COPPER ROCKFISH	*	*	*	0	*	*	*	0	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	0	0
29. VERMILION ROCKFISH	*	*	*	1	*	*	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	0	0
33. ROCKFISHES, OTHER	*	0	*	3	*	*	*	1	4
34. KELP GREENLING	*	0	*	6	*	*	*	2	8
35. LINGCOD	*	0	*	1	*	*	*	1	4
36. GREENLINGS, OTHER	1	0	*	26	*	*	*	3	27
38. CABEZON	1	0	*	16	*	*	*	3	21
39. PAC. STAGHORN SCULPIN	0	0	*	0	*	*	*	0	1
40. SCULPINS, OTHER	*	0	*	0	*	*	*	*	1
53. BARRED SURFPERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	0	*	*	*	*	*	0	0
56. REDTAIL SURFPERCH	*	*	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	0	*	1	*	*	*	0	1
58. SHINER PERCH	28	*	*	0	*	*	*	*	28
59. SILVER SURFPERCH	*	0	*	0	*	*	*	*	1
60. STRIPED SEAPERCH	*	2	*	3	*	*	*	2	7
61. WALLEYE SURFPERCH	*	*	*	0	*	*	*	*	0
62. WHITE SEAPERCH	0	0	*	2	*	*	*	*	2
63. SURFPERCHES, OTHER	1	1	*	5	*	*	*	1	7
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	5	0	*	0	*	*	*	*	5
75. OTHER FISH	5	0	*	3	*	*	*	*	8
TOTAL	75	25	0	75	0	0	0	29	205

TABLE 6. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	4	13	*	*	17
16. BLUE ROCKFISH	*	*	*	*	5	6	*	*	11
17. BROWN ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOUACCIO	*	*	*	*	0	0	*	*	0
19. CANARY ROCKFISH	*	*	*	*	10	11	*	*	22
20. CHILIPEPPER ROCKFISH	*	*	*	*	0	*	*	*	0
21. COPPER ROCKFISH	*	*	*	*	3	5	*	*	8
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	1	*	*	1
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	0	*	*	0
26. QUILLBACK ROCKFISH	*	*	*	*	0	0	*	*	1
27. ROSY ROCKFISH	*	*	*	*	2	4	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	1	0	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	6	*	*	8
33. ROCKFISHES, OTHER	*	*	*	*	6	11	*	*	17
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	4	4	*	*	7
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	0	*	*	*	0
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
44. STRIPED BASS	*	*	*	*	0	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	4	1	*	*	5
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	0	*	*	0
74. SALMONIDS	*	*	*	*	0	2	*	*	0
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	43	64	0	0	107

TABLE 7. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	0	*	*	0
15. BLACK ROCKFISH	*	*	*	*	13	0	*	*	13
16. BLUE ROCKFISH	*	*	*	*	2	1	*	*	3
17. BROWN ROCKFISH	*	*	*	*	20	1	*	*	20
18. BOUACCIO	*	*	*	*	1	3	*	*	4
19. CANARY ROCKFISH	*	*	*	*	29	3	*	*	32
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	77	*	*	77
21. COPPER ROCKFISH	*	*	*	*	9	0	*	*	9
22. GOPHER ROCKFISH	*	*	*	*	2	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	7	6	*	*	13
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	0	1	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	2	*	*	3
28. STARRY ROCKFISH	*	*	*	*	1	2	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	3	0	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	1	0	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	5	24	*	*	29
33. ROCKFISHES, OTHER	*	*	*	*	22	9	*	*	30
34. KELP GREENLING	*	*	*	*	5	*	*	*	5
35. LINGCOD	*	*	*	*	17	0	*	*	17
36. GREENLINGS, OTHER	*	*	*	*	1	*	*	*	1
38. CABEZON	*	*	*	*	6	*	*	*	6
40. SCULPINS, OTHER	*	*	*	*	1	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	*	*	*	6	0	*	*	6
75. OTHER FISH	*	*	*	*	6	0	*	*	6
TOTAL	0	0	0	0	162	130	0	0	291

TABLE 8. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	1	*	4	125	0	*	*	131
02. SPINY DOGFISH	*	*	*	*	8	*	*	*	8
03. SHARK, OTHER	6	0	*	33	553	0	*	*	592
04. STURGEONS	*	*	*	*	81	5	*	*	86
06. NORTHERN ANCHOVY	14	*	*	11	15	*	*	*	41
10. PACIFIC TOMCOD	*	*	*	*	1	*	*	*	1
13. SILVERSIDES	2	*	*	*	*	*	*	*	2
14. JACKSMELT	76	1	*	9	10	*	*	*	95
15. BLACK ROCKFISH	*	*	*	*	2	9	*	*	11
16. BLUE ROCKFISH	*	3	*	*	11	68	*	*	83
17. BROWN ROCKFISH	9	1	*	16	59	46	*	*	130
18. BOCCACCIO	*	*	*	*	*	14	*	*	14
19. CANARY ROCKFISH	*	*	*	*	5	54	*	*	59
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	16	*	*	16
21. COPPER ROCKFISH	*	*	*	*	1	13	*	*	15
22. GOPHER ROCKFISH	*	*	*	*	0	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	*	31	*	*	31
26. GULLBACK ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	40	*	*	40
28. STARRY ROCKFISH	*	*	*	*	*	12	*	*	12
29. VERMILION ROCKFISH	*	*	*	*	0	2	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	13	*	*	13
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	154	*	*	154
33. ROCKFISHES, OTHER	4	3	*	4	22	29	*	*	62
34. KELP GREENLING	*	*	*	2	4	3	*	*	9
35. LINGCOD	2	1	*	1	10	21	*	*	35
38. CABEZON	0	1	*	10	1	6	*	*	18
39. PAC. STAGHORN SCULPIN	200	17	*	143	441	12	*	*	813
40. SCULPINS, OTHER	*	*	*	*	*	0	*	*	0
43. KELP BASS	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	5	*	*	10	86	11	*	*	112
48. WHITE CROAKER	25	3	*	2	87	0	*	*	117
50. CROAKERS, OTHER	*	*	*	*	1	*	*	*	1
53. BARRED SURFPERCH	1	1	*	4	2	*	*	*	8
54. BLACK PERCH	14	1	*	18	11	*	*	*	44
55. PILE PERCH	190	*	*	77	12	*	*	*	278
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
57. RUBBERLIP SEAPERCH	3	*	*	7	105	*	*	*	115
58. SHINER PERCH	273	4	*	79	10	*	*	*	367
59. SILVER SURFPERCH	2	*	*	42	1	*	*	*	46
60. STRIPED SEAPERCH	*	*	*	6	2	*	*	*	8
61. WALLEYE SURFPERCH	18	0	*	4	4	*	*	*	26
62. WHITE SEAPERCH	14	0	*	4	98	*	*	*	116
63. SURFPERCHES, OTHER	39	13	*	48	30	*	*	*	130
67. PACIFIC MACKEREL	*	*	*	*	*	32	*	*	32
69. STARRY FLOUNDER	11	*	*	1	16	1	*	*	29
70. CALIFORNIA HALIBUT	*	*	*	0	5	1	*	*	6
71. PACIFIC SANDDAB	*	*	*	1	1	0	*	*	2
72. ROCK SOLE	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	0	*	*	0	3	0	*	*	4
74. SALMONIDS	*	*	*	2	0	1	*	*	4
75. OTHER FISH	119	5	*	150	76	3	*	*	353
TOTAL	1,028	56	0	689	1,903	633	0	0	4,308

TABLE 9. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	0	*	*	*	0
05. NORTHERN ANCHOVY	11	*	*	11	15	*	*	*	38
14. JACKSMELT	1	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	2	9	*	*	10
16. BLUE ROCKFISH	*	3	*	*	10	68	*	*	82
17. BROWN ROCKFISH	*	1	*	*	18	46	*	*	65
18. BOCACCIO	*	*	*	*	*	14	*	*	14
19. CANARY ROCKFISH	*	*	*	*	4	54	*	*	58
20. CHILIPEPPER ROCKFISH	*	*	*	*	1	16	*	*	16
21. COPPER ROCKFISH	*	*	*	*	1	13	*	*	14
22. GOPHER ROCKFISH	*	*	*	*	0	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	*	31	*	*	31
26. QUILLBACK ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	40	*	*	40
28. STARRY ROCKFISH	*	*	*	*	*	12	*	*	12
29. VERMILION ROCKFISH	*	*	*	*	0	2	*	*	2
30. WIDOW ROCKFISH	*	*	*	*	*	15	*	*	15
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	154	*	*	154
33. ROCKFISHES, OTHER	*	3	*	0	15	29	*	*	47
34. KELP GREENLING	*	*	*	1	2	3	*	*	5
35. LINGCOD	*	*	*	0	7	21	*	*	28
38. CABEZON	*	1	*	4	0	6	*	*	12
39. PAC. STAGHORN SCULPIN	7	1	*	*	1	0	*	*	8
44. STRIPED BASS	*	*	*	5	6	*	*	*	10
48. WHITE CROAKER	11	1	*	*	8	*	*	*	19
53. BARRED SURFPERCH	1	1	*	2	*	*	*	*	3
55. PILE PERCH	*	*	*	7	*	*	*	*	7
56. REDTAIL SURFPERCH	*	*	*	1	*	*	*	*	1
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	0	*	*	42	*	*	*	*	42
60. STRIPED SEAPERCH	*	*	*	2	*	*	*	*	2
61. WALLEYE SURFPERCH	1	*	*	1	*	*	*	*	1
62. WHITE SEAPERCH	*	0	*	1	*	*	*	*	1
63. SURFPERCHES, OTHER	5	2	*	1	0	*	*	*	8
67. PACIFIC MACKEREL	*	*	*	*	*	32	*	*	32
70. CALIFORNIA HALIBUT	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	1	*	0	*	*	1
73. FLATFISHES, OTHER	0	*	*	*	*	0	*	*	1
74. SALMONIDS	*	*	*	2	*	1	*	*	3
75. OTHER FISH	0	1	*	6	*	2	*	*	9
TOTAL	37	13	0	152	92	601	0	0	895

TABLE 10. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	1	1	*	4	125	0	*	*	131
02. SPINY DOGFISH	*	*	*	*	8	*	*	*	8
03. SHARK, OTHER	6	0	*	33	553	0	*	*	592
04. STURGEONS	*	*	*	*	81	5	*	*	86
06. NORTHERN ANCHOVY	3	*	*	*	*	*	*	*	3
10. PACIFIC TOMCOD	*	*	*	*	1	*	*	*	1
13. SILVERSIDES	2	*	*	*	*	*	*	*	2
14. JACKSMELT	75	1	*	9	9	*	*	*	94
15. BLACK ROCKFISH	*	*	*	*	1	*	*	*	1
16. BLUE ROCKFISH	*	*	*	*	1	*	*	*	1
17. BROWN ROCKFISH	9	*	*	16	40	*	*	*	65
19. CANARY ROCKFISH	*	*	*	*	1	*	*	*	1
21. COPPER ROCKFISH	*	*	*	*	1	*	*	*	1
33. ROCKFISHES, OTHER	4	*	*	4	7	0	*	*	15
34. KELP GREENLING	*	*	*	1	3	*	*	*	4
35. LINGCOD	2	1	*	0	3	*	*	*	7
38. CABEZON	0	*	*	5	1	*	*	*	7
39. PAC. STAGHORN SCULPIN	193	17	*	143	440	12	*	*	805
40. SCULPINS, OTHER	*	*	*	*	*	0	*	*	0
43. KELP BASS	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	5	*	*	5	81	11	*	*	102
48. WHITE CROAKER	14	2	*	2	79	0	*	*	98
50. CROAKERS, OTHER	*	*	*	*	1	*	*	*	1
53. BARRED SURFPERCH	0	*	*	2	2	*	*	*	4
54. BLACK PERCH	14	1	*	18	11	*	*	*	44
55. PILE PERCH	190	*	*	6	12	*	*	*	207
57. RUBBERLIP SEAPERCH	3	*	*	7	105	*	*	*	115
58. SHINER PERCH	273	4	*	79	10	*	*	*	366
59. SILVER SURFPERCH	2	*	*	*	1	*	*	*	3
60. STRIPED SEAPERCH	*	*	*	4	2	*	*	*	6
61. WALLEYE SURFPERCH	17	0	*	3	4	*	*	*	25
62. WHITE SEAPERCH	14	*	*	2	98	*	*	*	114
63. SURFPERCHES, OTHER	34	11	*	47	30	*	*	*	122
69. STARRY FLOUNDER	11	*	*	1	16	1	*	*	29
70. CALIFORNIA HALIBUT	*	*	*	0	4	0	*	*	4
71. PACIFIC SANDDAB	*	*	*	*	1	*	*	*	1
72. ROCK SOLE	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	*	*	*	0	3	*	*	*	3
74. SALMONIDS	*	*	*	*	0	*	*	*	0
75. OTHER FISH	119	4	*	144	76	1	*	*	344
TOTAL	991	42	0	536	1,811	32	0	0	3,413

TABLE 11. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1986---DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	1	*	*	1
03. SHARK, OTHER	*	*	*	1	2	3	*	*	6
12. PACIFIC HAKE	*	*	*	*	6	87	*	*	93
14. JACKSMELT	7	*	*	0	11	*	*	*	18
15. BLACK ROCKFISH	0	*	*	*	12	4	*	1	18
16. BLUE ROCKFISH	*	0	*	*	64	38	*	1	104
17. BROWN ROCKFISH	1	0	*	*	69	12	*	*	81
18. BOCACCIO	3	*	*	*	0	181	*	*	185
19. CANARY ROCKFISH	*	*	*	*	12	30	*	*	42
20. CHILIPEPPER ROCKFISH	*	*	*	*	4	257	*	*	261
21. COPPER ROCKFISH	1	*	*	*	6	9	*	1	16
22. GOPHER ROCKFISH	*	*	*	*	37	8	*	0	46
23. GREENSPOTTED ROCKFISH	*	*	*	*	2	67	*	*	74
24. GREENSTRIPED ROCKFISH	*	*	*	*	2	37	*	*	38
25. OLIVE ROCKFISH	*	*	*	*	10	42	*	4	56
27. ROSY ROCKFISH	*	*	*	*	9	30	*	*	39
28. STARRY ROCKFISH	*	*	*	*	3	17	*	*	19
29. VERMILION ROCKFISH	*	*	*	*	7	6	*	0	13
30. WIDOW ROCKFISH	*	*	*	*	3	8	*	*	11
31. YELLOWTAIL ROCKFISH	*	*	*	*	12	101	*	1	114
33. ROCKFISHES, OTHER	5	1	*	1	214	183	*	8	412
34. KELP GREENLING	*	0	*	1	2	*	*	1	4
35. LINGOOD	1	*	*	1	30	55	*	9	97
37. SABLEFISH	*	*	*	*	5	41	*	*	46
38. CABEZON	*	0	*	0	6	1	*	4	12
39. PAC. STAGHORN SCULPIN	83	8	*	78	5	*	*	*	174
40. SCULPINS, OTHER	0	0	*	*	*	*	*	*	1
43. KELP BASS	*	*	*	*	0	*	*	0	1
44. STRIPED BASS	*	*	*	0	3	*	*	*	3
48. WHITE CROAKER	62	0	*	5	555	2	*	*	624
53. BARRED SURFPERCH	0	*	*	177	0	*	*	*	178
54. BLACK PERCH	1	0	*	3	*	*	*	1	5
55. PILE PERCH	4	0	*	0	0	*	*	2	7
57. RUBBERLIP SEAPERCH	*	1	*	*	0	*	*	1	1
58. SHINER PERCH	1	0	*	0	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	8	*	*	*	*	8
60. STRIPED SEAPERCH	*	0	*	1	0	*	*	2	4
61. WALLEYE SURFPERCH	5	0	*	6	1	*	*	*	12
62. WHITE SEAPERCH	7	0	*	1	*	*	*	*	8
63. SURFPERCHES, OTHER	37	1	*	52	3	*	*	*	94
66. PACIFIC BONITO	*	*	*	*	*	1	*	*	1
67. PACIFIC MACKEREL	4	*	*	*	17	27	*	*	49
68. TUNAS	*	*	*	*	4	6	*	*	11
69. STARRY FLOUNDER	1	0	*	0	1	*	*	*	2
70. CALIFORNIA HALIBUT	0	*	*	*	4	*	*	1	5
71. PACIFIC SANDDAB	1	0	*	*	76	64	*	*	141
72. ROCK SOLE	*	*	*	*	1	1	*	*	3
73. FLATFISHES, OTHER	19	2	*	6	25	2	*	*	53
74. SALMONIDS	1	*	*	*	3	0	*	*	4
75. OTHER FISH	10	1	*	2	24	7	*	1	45
TOTAL	255	16	0	344	1,260	1,326	0	40	3,241

TABLE 12. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1986--DEC 1986.

GROUP	PIER & DOCK BREAKWATER	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	1	1	*	2
03. SHARK, OTHER	1	*	*	0	3	0	*	4
12. PACIFIC HAKE	*	*	*	*	*	2	*	2
14. JACKSMELT	23	*	*	4	6	*	*	32
15. BLACK ROCKFISH	*	*	*	*	6	*	*	6
16. BLUE ROCKFISH	0	*	*	*	79	22	*	101
17. BROWN ROCKFISH	*	*	*	1	18	2	*	21
18. BOCCACCIO	58	*	*	*	1	88	*	147
19. CANARY ROCKFISH	*	*	*	*	19	10	*	29
20. CHILLIPEPPER ROCKFISH	*	*	*	*	0	51	*	51
21. COPPER ROCKFISH	*	*	*	*	8	8	*	16
22. GOPHER ROCKFISH	0	*	*	0	76	9	*	85
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	4	*	4
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	2
25. OLIVE ROCKFISH	*	*	*	*	11	5	*	16
27. ROSY ROCKFISH	0	*	*	*	9	16	*	24
28. STARRY ROCKFISH	*	*	*	*	5	11	*	16
29. VERMILION ROCKFISH	*	*	*	*	11	12	*	23
30. WIDOW ROCKFISH	*	*	*	*	0	79	*	79
31. YELLOWTAIL ROCKFISH	0	*	*	*	8	60	*	69
33. ROCKFISHES, OTHER	*	*	*	4	49	60	*	113
34. KELP GREENLING	*	*	*	1	1	*	*	2
35. LINGCOD	1	*	*	*	25	6	*	32
37. SABLEFISH	*	*	*	*	*	0	*	0
38. CABEZON	3	*	*	4	2	0	*	9
39. PAC. STAGHORN SCULPIN	35	*	*	1	0	*	*	36
40. SCULPINS, OTHER	0	*	*	*	*	*	*	0
41. BARRED SAND BASS	*	*	*	1	1	*	*	3
42. SPOTTED SAND BASS	*	*	*	*	0	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	0
48. WHITE CROAKER	83	*	*	0	70	0	*	154
49. QUEENFISH	93	*	*	*	0	*	*	93
50. CROAKERS, OTHER	*	*	*	1	0	*	*	1
51. OPALLEY	*	*	*	0	*	*	*	0
53. BARRED SURFPERCH	36	*	*	71	0	*	*	107
54. BLACK PERCH	0	*	*	0	0	*	*	1
55. PILE PERCH	2	*	*	0	*	*	*	3
58. SHINER PERCH	14	*	*	0	*	*	*	15
59. SILVER SURFPERCH	14	*	*	4	*	*	*	19
60. STRIPED SEAPERCH	*	*	*	1	0	*	*	1
61. WALLEYE SURFPERCH	22	*	*	1	*	*	*	23
62. WHITE SEAPERCH	1	*	*	*	*	*	*	1
63. SURFPERCHES, OTHER	81	*	*	6	*	*	*	88
65. PACIFIC BARRACUDA	*	*	*	*	13	*	*	13
67. PACIFIC MACKEREL	*	*	*	*	13	3	*	17
68. TUNAS	*	*	*	*	10	14	*	24
69. STARRY FLOUNDER	*	*	*	*	0	*	*	0
70. CALIFORNIA HALIBUT	3	*	*	*	24	*	*	27
71. PACIFIC SANDDAB	*	*	*	*	2	0	*	2
72. ROCK SOLE	*	*	*	*	0	0	*	0
74. SALMONIDS	0	*	*	*	14	0	*	15
75. OTHER FISH	17	*	*	1	11	2	*	30
TOTAL	487	0	0	102	500	468	0	1,557

TABLE 13. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL			
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	
01. LEOPARD SHARK	0	0	100	*	*	*	25	5	21	0	0	100	*	*	*	25	5	21	
02. SPINY DOGFISH	*	*	*	0	0	90	2	1	55	1	1	51	1	1	71	4	1	33	
03. SHARK, OTHER	0	0	89	*	*	*	19	4	20	1	1	47	1	0	60	21	4	18	
04. STURGEONS	*	*	*	*	*	*	26	6	23	*	*	*	*	*	*	26	6	23	
05. PACIFIC HERRING	10	13	132	35	17	50	*	*	*	*	*	*	*	*	45	22	48		
06. NORTHERN ANCHOVY	*	*	*	19	33	173	16	11	67	*	*	*	*	*	*	16	11	67	
07. SURF SMELT	4	3	87	*	*	*	*	*	*	78	29	37	2	2	117	80	29	36	
12. PACIFIC HAKE	*	*	*	*	*	*	1	0	40	15	7	45	15	11	77	1	0	30	
13. SILVERSIDES	4	4	98	0	0	69	80	32	40	15	7	45	15	11	77	14	35	41	
14. JACKSMELT	*	*	*	16	11	67	18	7	41	6	6	99	6	6	99	252	180	71	
15. BLACK ROCKFISH	180	179	100	38	15	40	11	3	31	18	7	41	6	6	99	301	72	24	
16. BLUE ROCKFISH	12	25	203	24	8	31	78	36	46	99	24	25	51	14	58	301	72	24	
17. BROWN ROCKFISH	2	2	112	21	8	36	92	22	24	80	39	49	14	8	62	215	48	22	
18. BOCCACCIO	0	0	71	4	1	28	14	4	31	181	73	40	80	80	62	328	109	35	
19. CANARY ROCKFISH	16	25	155	54	16	31	59	15	26	42	15	36	29	16	53	200	40	20	
20. CHILIPEPPER ROCKFISH	*	*	*	77	13	17	16	5	32	261	84	32	51	57	111	405	103	25	
21. COPPER ROCKFISH	7	10	140	17	7	41	15	4	29	16	5	29	16	8	54	70	16	23	
22. COPHER ROCKFISH	*	*	*	2	1	47	1	1	43	46	17	37	88	51	61	132	53	40	
23. GREENSPOTTED ROCKFISH	*	*	*	14	7	51	27	3	34	74	17	37	4	4	66	118	28	40	
24. GREENSTRIPED ROCKFISH	1	1	100	1	1	50	3	2	32	38	25	38	2	1	86	46	15	33	
25. OLIVE ROCKFISH	*	*	*	1	1	47	31	11	35	56	18	33	14	7	50	103	23	22	
26. QUILLBACK ROCKFISH	3	4	139	1	1	60	3	1	47	*	*	*	*	*	*	7	4	56	
27. ROSY ROCKFISH	1	1	88	7	5	66	35	9	26	39	12	32	24	12	49	107	20	19	
28. STARRY ROCKFISH	*	*	*	2	1	34	12	4	4	19	8	42	16	9	58	50	13	20	
29. VERMILION ROCKFISH	1	1	100	5	2	41	3	1	48	13	4	31	23	13	56	45	14	30	
30. WIDOW ROCKFISH	*	*	*	1	0	20	13	7	58	9	4	42	79	60	76	103	61	59	
31. YELLOWTAIL ROCKFISH	8	9	124	37	8	21	154	40	26	112	38	34	68	57	84	379	81	21	
33. ROCKFISHES, OTHER	100	219	220	31	9	28	44	18	44	24	60	24	87	40	46	516	232	45	
34. KELP GREENLING	8	4	57	10	3	31	8	4	40	4	1	29	1	1	47	32	7	21	
35. LINGCOD	24	29	122	17	6	34	27	9	33	62	20	33	14	8	55	144	38	26	
36. GREENLINGS, OTHER	3	2	43	21	11	54	*	*	*	*	*	*	*	*	*	24	11	47	
37. SABLEFISH	*	*	*	*	*	*	*	*	*	46	17	38	0	0	84	46	17	38	
38. CABEZON	5	3	60	24	11	45	12	4	30	10	3	29	3	2	64	53	12	23	
39. PAC. STAGHORN SCULPIN	0	0	75	0	0	71	25	4	15	36	16	44	1	1	178	62	16	26	
40. SCULPINS, OTHER	0	0	78	0	0	68	*	*	*	1	0	72	*	*	*	1	1	51	
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	2	2	70	2	2	70	
43. KELP BASS	*	*	*	*	*	*	1	1	100	1	0	81	0	0	100	2	1	69	
44. STRIPED BASS	*	*	*	0	0	100	62	19	27	0	0	100	*	*	*	43	11	26	
48. WHITE CROAKER	*	*	*	*	*	*	46	11	29	506	332	66	50	29	58	623	334	54	
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	71	93	131	71	93	131	
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	*	*	*	1	1	81	1	1	81	
51. OPALLEYE	*	*	*	*	*	*	*	*	*	*	*	*	0	0	184	0	0	184	
53. BARRED SURFPERCH	0	0	174	0	0	100	7	3	40	169	69	41	85	48	57	261	84	32	
54. BLACK PERCH	*	*	*	43	12	29	43	12	29	5	3	47	1	0	63	49	13	26	
55. PILE PERCH	1	1	76	0	0	63	278	201	72	5	3	52	3	2	67	288	201	70	
56. REDTAIL SURFPERCH	21	12	55	4	3	83	0	0	100	*	*	*	*	*	*	25	12	48	
57. RUBBERLIP SEAPERCH	*	*	*	1	1	72	113	102	90	1	1	57	*	*	*	116	102	88	
58. SHINER PERCH	4	3	90	27	24	86	131	48	37	1	1	56	15	13	88	179	55	31	
59. SILVER SURFPERCH	3	3	96	1	0	72	46	41	90	8	3	40	15	7	48	72	42	58	
60. STRIPED SEAPERCH	51	32	62	7	3	40	8	4	48	4	1	40	1	1	67	71	32	45	
61. WALLEYE SURFPERCH	4	9	216	2	2	100	26	9	37	12	4	32	22	16	73	64	21	33	
62. WHITE SEAPERCH	1	1	80	0	0	67	116	93	81	6	9	51	1	1	100	126	93	74	
63. SURFPERCHES, OTHER	6	9	169	6	3	47	46	13	30	30	9	30	26	26	101	113	32	29	
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	2	4	17
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*	1	1	77	*	*	*	2	1	41	
67. PACIFIC MACKEREL	*	*	*	*	*	*	13	11	85	40	13	32	9	5	54	61	17	28	
68. TUNAS	*	*	*	*	*	*	*	*	*	11	4	34	24	14	59	34	15	42	
69. STARRY FLOUNDER	0	0	81	0	0	83	24	6	24	2	1	24	0	0	100	27	6	21	
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	5	3	34	3	2	65	10	8	78	18	8	47	
71. PACIFIC SANDDAB	0	0	7	5	3	6	2	1	7	140	49	3	1	1	5	149	49	33	
72. ROCK SOLE	*	*	*	0	0	61	1	1	100	3	1	51	0	0	73	4	2	38	
73. FLATFISHES, OTHER	1	1	91	6	3	55	3	1	48	14	8	53	0	0	73	24	8	38	
74. SALMONIDS	3	3	104	2	2	71	3	1	38	2	1	35	13	13	101	25	14	61	
75. OTHER FISH	0	0	168	0	0	59	104	29	27	13	3	24	13	11	84	130	31	24	
TOTAL	485	290	60	528	58	11	1,928	267	14	2,588	376	15	1,143	195	17	6,672	581	9	

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 14. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	16	26	3	77	363	*	*	0	485
MENDOCINO/SONOMA (NON-BOAT MODES)	64	24	*	60	*	*	*	29	177
MENDOCINO (BOAT MODES)	*	*	*	*	42	64	*	*	106
SONOMA (BOAT MODES)	*	*	*	*	116	128	*	*	245
SAN FRANCISCO	549	24	*	280	510	566	*	*	1,928
SANTA CRUZ/MONTEREY	93	4	*	230	984	1,237	*	40	2,588
SAN LUIS OBISPO	278	*	*	76	334	455	*	*	1,143
TOTAL	1,000	78	3	722	2,349	2,451	0	69	6,672

TABLE 15. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	0	*	1	25	*	*	*	25
02. SPINY DOGFISH	*	*	*	*	3	1	*	*	4
03. SHARK, OTHER	1	0	*	0	19	1	*	*	21
04. STURGEONS	*	*	*	*	25	*	*	*	26
05. PACIFIC HERRING	36	8	*	2	0	1	*	*	45
06. NORTHERN ANCHOVY	11	*	*	0	5	*	*	*	16
07. SURF SMELT	*	23	*	*	*	*	*	*	23
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	6	75	*	*	80
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	91	0	*	8	15	*	*	*	114
15. BLACK ROCKFISH	0	2	*	0	215	26	*	9	252
16. BLUE ROCKFISH	0	4	*	2	153	132	*	10	301
17. BROWN ROCKFISH	4	0	*	8	143	60	*	*	215
18. BOCACCI	39	*	*	*	2	287	*	*	328
19. CANARY ROCKFISH	*	*	*	*	92	108	*	0	200
20. CHILIPEPPER ROCKFISH	*	*	*	*	5	401	*	*	405
21. COPPER ROCKFISH	1	0	*	0	34	35	*	1	70
22. GOPHER ROCKFISH	0	*	*	*	114	18	*	0	132
23. GREENSPOTTED ROCKFISH	*	*	*	*	14	104	*	*	118
24. GREENSTRIPED ROCKFISH	*	*	*	*	3	43	*	*	46
25. OLIVE ROCKFISH	*	*	*	*	20	79	*	4	103
26. QUILLBACK ROCKFISH	*	*	*	*	4	4	*	*	7
27. ROSY ROCKFISH	0	*	*	*	22	85	*	*	107
28. STARRY ROCKFISH	*	*	*	*	9	41	*	*	50
29. VERMILION ROCKFISH	*	*	*	1	24	20	*	0	45
30. WIDOW ROCKFISH	*	*	*	*	2	101	*	*	103
31. YELLOWTAIL ROCKFISH	0	*	*	*	33	344	*	1	379
33. ROCKFISHES, OTHER	3	4	*	8	262	231	*	9	516
34. KELP GREENLING	0	3	0	10	13	3	*	3	32
35. LINGOOD	1	0	*	1	68	63	*	12	146
36. GREENLINGS, OTHER	1	2	*	21	0	*	*	1	24
37. SABLEFISH	*	*	*	*	4	41	*	*	46
38. CABEZON	1	1	*	18	18	7	*	7	53
39. PAC. STAGHORN SCULPIN	25	0	*	27	9	*	*	0	62
40. SCULPINS, OTHER	1	0	*	0	0	*	*	*	1
41. BARRED SAND BASS	*	*	*	1	1	*	*	*	2
42. SPOTTED SAND BASS	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	0	1	*	*	0	2
44. STRIPED BASS	3	*	*	7	33	1	*	*	43
48. WHITE CROAKER	99	0	*	6	518	0	*	*	623
49. QUEENFISH	71	*	*	*	0	*	*	*	71
50. CROAKERS, OTHER	*	*	*	1	0	*	*	*	1
51. OPALEYE	*	*	*	0	*	*	*	*	0
53. BARRED SURFPERCH	28	1	*	231	2	*	*	*	251
54. BLACK PERCH	14	2	*	21	11	*	*	1	49
55. PILE PERCH	194	0	1	78	12	*	*	3	288
56. REDTAIL SURFPERCH	1	1	0	23	0	*	*	*	25
57. RUBBERLIP SEAPERCH	2	1	*	7	105	*	*	1	116
58. SHINER PERCH	164	2	1	10	2	*	*	*	179
59. SILVER SURFPERCH	14	2	*	55	1	*	*	*	72
60. STRIPED SEAPERCH	1	5	0	59	2	*	*	4	71
61. WALLEYE SURFPERCH	46	1	0	11	5	*	*	*	64
62. WHITE SEAPERCH	20	0	0	7	98	*	*	*	128
63. SURFPERCHES, OTHER	49	13	*	45	4	*	*	1	113
65. PACIFIC BARRAQUA	*	*	*	*	2	*	*	*	2
66. PACIFIC BONITO	*	*	*	*	*	1	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	22	40	*	*	61
68. TUNAS	*	*	*	*	14	20	*	*	34
69. STARRY FLOUNDER	12	0	*	2	13	1	*	*	27
70. CALIFORNIA HALIBUT	1	*	*	0	15	0	*	1	18
71. PACIFIC SANDDAB	1	1	*	1	81	65	*	*	149
72. ROCK SOLE	*	*	*	*	2	*	*	*	4
73. FLATFISHES, OTHER	2	0	0	2	18	1	*	*	24
74. SALMONIDS	1	0	*	2	16	3	*	*	23
75. OTHER FISH	63	1	*	48	9	8	*	1	130
TOTAL	1,000	78	3	722	2,349	2,451	0	69	6,672

TABLE 16. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1986---DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	0	*	*	*	*	*	0
03. SHARK, OTHER	*	0	*	0	*	*	*	0
05. PACIFIC HERRING	0	8	*	2	0	*	*	10
07. SURF SMELT	*	4	*	*	*	*	*	4
12. PACIFIC HAKE	*	*	*	*	*	*	*	*
14. JACKSMELT	4	0	*	0	*	*	*	4
15. BLACK ROCKFISH	0	2	*	0	178	*	*	180
16. BLUE ROCKFISH	*	0	*	0	12	*	*	12
17. BROWN ROCKFISH	*	0	*	*	1	*	*	2
18. BOACCIO	*	*	*	*	0	*	*	0
19. CANARY ROCKFISH	*	*	*	*	16	*	*	16
21. COPPER ROCKFISH	*	0	*	*	7	*	*	7
24. GREENSTRIPED ROCKFISH	*	*	*	*	1	*	*	1
25. GULLBACK ROCKFISH	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	1	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	8	*	*	8
33. ROCKFISHES, OTHER	*	1	*	0	92	*	*	100
34. KELP GREENLING	0	3	0	1	3	*	*	8
35. LINGCOD	*	0	*	*	24	*	*	24
36. GREENLINGS, OTHER	0	2	*	1	0	*	*	3
38. CABEZON	0	1	*	0	4	*	*	5
39. PAC. STAGHORN SCULPIN	0	0	*	*	*	*	*	0
40. SCULPINS, OTHER	0	0	*	0	0	*	*	0
53. BARRED SURFPERCH	*	*	*	0	*	*	*	0
55. PILE PERCH	0	0	1	0	*	*	*	1
56. REDTAIL SURFPERCH	1	1	0	19	0	*	*	21
58. SHINER PERCH	3	*	1	*	*	*	*	4
59. SILVER SURFPERCH	0	2	*	1	*	*	*	3
60. STRIPED SEAPERCH	1	2	0	49	*	*	*	51
61. WALLEYE SURFPERCH	4	0	0	0	0	*	*	4
62. WHITE SEAPERCH	0	0	0	0	*	*	*	1
63. SURFPERCHES, OTHER	3	0	*	2	*	*	*	6
69. STARRY FLOUNDER	0	0	*	*	0	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	0
73. FLATFISHES, OTHER	0	*	0	0	1	*	*	1
74. SALMONIDS	*	*	*	1	2	*	*	3
75. OTHER FISH	*	0	*	0	*	*	*	0
TOTAL	16	26	3	77	363	0	0	485

TABLE 17. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH & BANK HOOK & LINE	P/R BOAT	CPV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	35	*	*	*	*	*	*	*	35
07. SURF SMELT	*	19	*	*	*	*	*	*	19
14. JACKSMELT	0	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	0	*	*	*	*	*	8	8
16. BLUE ROCKFISH	*	*	*	2	*	*	*	9	11
19. CANARY ROCKFISH	*	*	*	*	*	*	*	0	0
21. COPPER ROCKFISH	*	*	*	0	*	*	*	*	0
22. COPPER ROCKFISH	*	*	*	*	*	*	*	0	0
29. VERMILION ROCKFISH	*	*	*	1	*	*	*	0	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	0	0
33. ROCKFISHES, OTHER	*	0	*	1	*	*	*	1	3
34. KELP GREENLING	*	0	*	6	*	*	*	2	8
35. LINGCOD	*	0	*	1	*	*	*	2	3
36. GREENLINGS, OTHER	1	0	*	19	*	*	*	1	21
38. CABEZON	0	0	*	14	*	*	*	3	17
39. PAC. STAGHORN SCULPIN	0	0	*	*	*	*	*	0	0
40. SCULPINS, OTHER	*	0	*	*	*	*	*	*	0
53. BARRED SURFPERCH	*	*	*	0	*	*	*	*	0
55. PILE PERCH	*	0	*	*	*	*	*	0	0
56. REDTAIL SURFPERCH	*	*	*	4	*	*	*	*	4
57. RUBBERLIP SEAPERCH	*	0	*	1	*	*	*	0	1
58. SHINER PERCH	27	*	*	0	*	*	*	*	27
59. SILVER SURFPERCH	*	0	*	0	*	*	*	*	1
60. STRIPED SEAPERCH	*	2	*	2	*	*	*	2	7
61. WALLEYE SURFPERCH	*	*	*	0	*	*	*	*	0
62. WHITE SEAPERCH	0	0	*	2	*	*	*	*	2
63. SURFPERCHES, OTHER	*	0	*	0	*	*	*	1	1
69. STARRY FLOUNDER	*	0	*	0	*	*	*	*	0
71. PACIFIC SANDDAB	*	0	*	*	*	*	*	*	0
73. FLATFISHES, OTHER	*	0	*	*	*	*	*	*	0
74. SALMONIDS	0	0	*	0	*	*	*	*	0
75. OTHER FISH	*	0	*	*	*	*	*	*	0
TOTAL	64	24	0	60	0	0	0	29	177

TABLE 18. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	4	13	*	*	17
16. BLUE ROCKFISH	*	*	*	*	5	6	*	*	10
17. BROWN ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOCACCIO	*	*	*	*	0	0	*	*	0
19. CANARY ROCKFISH	*	*	*	*	10	11	*	*	22
20. CHILIPEPPER ROCKFISH	*	*	*	*	0	*	*	*	0
21. COPPER ROCKFISH	*	*	*	*	3	5	*	*	8
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	1	*	*	1
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	0	*	*	0
26. QUILLBACK ROCKFISH	*	*	*	*	0	0	*	*	1
27. ROSY ROCKFISH	*	*	*	*	2	4	*	*	5
29. VERMILION ROCKFISH	*	*	*	*	1	0	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	6	*	*	8
33. ROCKFISHES, OTHER	*	*	*	*	5	11	*	*	16
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	3	4	*	*	7
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	0	*	*	*	0
40. SOULPINS, OTHER	*	*	*	*	0	*	*	*	0
44. STRIPED BASS	*	*	*	*	0	*	*	*	0
60. STRIPED SEAPERCH	*	*	*	*	0	*	*	*	0
63. SURFPERCHES, OTHER	*	*	*	*	0	*	*	*	0
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
71. PACIFIC SANDDAB	*	*	*	*	4	1	*	*	5
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	0	0	*	*	0
74. SALMONIDS	*	*	*	*	0	2	*	*	2
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	42	64	0	0	106

TABLE 19. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	13	0	*	*	13
16. BLUE ROCKFISH	*	*	*	*	2	1	*	*	3
17. BROWN ROCKFISH	*	*	*	*	20	1	*	*	20
18. BOCACCIO	*	*	*	*	1	3	*	*	4
19. CANARY ROCKFISH	*	*	*	*	29	3	*	*	32
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	77	*	*	77
21. COPPER ROCKFISH	*	*	*	*	9	0	*	*	9
22. GOPHER ROCKFISH	*	*	*	*	2	*	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	7	6	*	*	13
24. GREENSTRIPED ROCKFISH	*	*	*	*	0	1	*	*	1
25. OLIVE ROCKFISH	*	*	*	*	0	1	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	1	1	*	*	2
28. STARRY ROCKFISH	*	*	*	*	1	2	*	*	2
29. VERMILION ROCKFISH	*	*	*	*	3	0	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	1	0	*	*	1
31. YELLOWTAIL ROCKFISH	*	*	*	*	5	24	*	*	29
33. ROCKFISHES, OTHER	*	*	*	*	3	8	*	*	12
34. KELP GREENLING	*	*	*	*	1	*	*	*	1
35. LINGCOD	*	*	*	*	6	0	*	*	7
36. GREENLINGS, OTHER	*	*	*	*	*	*	*	*	*
38. CABEZON	*	*	*	*	6	*	*	*	6
40. SOULPINS, OTHER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	0	*	*	*	0
73. FLATFISHES, OTHER	*	*	*	*	5	0	*	*	5
75. OTHER FISH	*	*	*	*	*	0	*	*	0
TOTAL	0	0	0	0	116	128	0	0	245

TABLE 20. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	1	24	*	*	*	25
02. SPINY DOGFISH	*	*	*	*	2	*	*	*	2
03. SHARK, OTHER	0	*	*	*	19	*	*	*	19
04. STURGEONS	*	*	*	*	25	1	*	*	26
05. NORTHERN ANCHOVY	11	*	*	0	5	*	*	*	16
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMELT	68	0	*	7	5	*	*	*	80
15. BLACK ROCKFISH	*	*	*	*	2	9	*	*	11
16. BLUE ROCKFISH	*	3	*	*	9	65	*	*	78
17. BROWN ROCKFISH	3	0	*	7	36	46	*	*	92
18. BOCACCIO	*	*	*	*	*	14	*	*	14
19. CANARY ROCKFISH	*	*	*	*	5	54	*	*	59
20. CHILLIPEPPER ROCKFISH	*	*	*	*	*	16	*	*	16
21. COPPER ROCKFISH	*	*	*	*	1	13	*	*	15
22. GOPHER ROCKFISH	*	*	*	*	0	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	*	31	*	*	31
26. QUILLBACK ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	35	*	*	35
28. STARRY ROCKFISH	*	*	*	*	*	12	*	*	12
29. VERMILION ROCKFISH	*	*	*	*	0	2	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	13	*	*	13
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	154	*	*	154
33. ROCKFISHES, OTHER	2	3	*	3	14	23	*	*	44
34. KELP GREENLING	*	*	*	1	4	3	*	*	8
35. LINGCOD	0	*	*	0	8	18	*	*	27
38. CABEZON	0	0	*	4	1	6	*	*	12
39. PAC. STAGHORN SCULPIN	6	0	*	11	8	*	*	*	25
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	1	*	*	*	1
44. STRIPED BASS	3	*	*	6	33	1	*	*	42
48. WHITE CROAKER	21	0	*	2	42	*	*	*	66
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	1	1	*	4	1	*	*	*	7
54. BLACK PERCH	13	1	*	18	11	*	*	*	43
55. PILE PERCH	190	*	*	77	12	*	*	*	278
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	2	*	*	6	105	*	*	*	113
58. SHINER PERCH	118	2	*	9	2	*	*	*	131
59. SILVER SURFPERCH	2	*	*	42	1	*	*	*	46
60. STRIPED SEAPERCH	*	*	*	6	2	*	*	*	8
61. WALLEYE SURFPERCH	17	0	*	4	4	*	*	*	26
62. WHITE SEAPERCH	14	0	*	4	98	*	*	*	116
63. SURFPERCHES, OTHER	14	12	*	17	4	*	*	*	46
67. PACIFIC MACKEREL	*	*	*	*	*	13	*	*	13
69. STARRY FLOUNDER	11	*	*	1	11	1	*	*	24
70. CALIFORNIA HALIBUT	*	*	*	0	4	0	*	*	5
71. PACIFIC SANDOAB	*	*	*	1	1	0	*	*	2
72. ROCK SOLE	*	*	*	*	1	*	*	*	1
73. FLATFISHES, OTHER	0	*	*	0	2	0	*	*	3
74. SALMONIDS	*	*	*	1	0	1	*	*	3
75. OTHER FISH	51	1	*	47	5	0	*	*	104
TOTAL	549	24	0	280	510	566	0	0	1,928

TABLE 21. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	*	*	*	*
06. NORTHERN ANCHOVY	9	*	*	0	5	*	*	*	15
14. JACKSMELT	1	*	*	*	1	*	*	*	1
15. BLACK ROCKFISH	*	*	*	*	2	9	*	*	10
16. BLUE ROCKFISH	*	3	*	*	8	65	*	*	77
17. BROWN ROCKFISH	*	0	*	*	17	46	*	*	63
18. BOCACCIO	*	*	*	*	*	14	*	*	14
19. CANARY ROCKFISH	*	*	*	*	4	54	*	*	58
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	16	*	*	16
21. COPPER ROCKFISH	*	*	*	*	1	13	*	*	14
22. GOPHER ROCKFISH	*	*	*	*	0	1	*	*	1
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	27	*	*	27
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	3	*	*	3
25. OLIVE ROCKFISH	*	*	*	*	*	31	*	*	31
26. QUILLBACK ROCKFISH	*	*	*	*	*	3	*	*	3
27. ROSY ROCKFISH	*	*	*	*	*	35	*	*	35
28. STARRY ROCKFISH	*	*	*	*	*	12	*	*	12
29. VERMILION ROCKFISH	*	*	*	*	0	2	*	*	3
30. WIDOW ROCKFISH	*	*	*	*	*	13	*	*	13
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	154	*	*	154
33. ROCKFISHES, OTHER	*	3	*	0	13	23	*	*	38
34. KELP GREENLING	*	*	*	1	2	3	*	*	5
35. LINGCOD	*	*	*	*	7	18	*	*	25
38. CABEZON	*	0	*	3	0	6	*	*	10
39. PAC. STAGHORN SCULPIN	*	0	*	*	*	*	*	*	0
44. STRIPED BASS	*	*	*	5	6	*	*	*	10
48. WHITE CROAKER	9	0	*	*	8	*	*	*	17
53. BARRED SURFPERCH	1	1	*	2	*	*	*	*	3
55. PILE PERCH	*	*	*	7	*	*	*	*	7
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	0	*	*	42	*	*	*	*	42
60. STRIPED SEAPERCH	*	*	*	2	*	*	*	*	2
61. WALLEYE SURFPERCH	1	*	*	1	*	*	*	*	1
62. WHITE SEAPERCH	*	0	*	1	*	*	*	*	1
63. SURFPERCHES, OTHER	1	2	*	1	*	*	*	*	4
67. PACIFIC MACKEREL	*	*	*	*	*	13	*	*	13
70. CALIFORNIA HALIBUT	*	*	*	*	2	0	*	*	2
71. PACIFIC SANDDAB	*	*	*	1	*	0	*	*	1
73. FLATFISHES, OTHER	0	*	*	*	*	0	*	*	1
74. SALMONIDS	*	*	*	1	*	1	*	*	2
75. OTHER FISH	0	0	*	0	*	0	*	*	1
TOTAL	22	10	0	132	75	563	0	0	803

TABLE 22. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	*	*	*	1	24	*	*	25
02. SPINY DOGFISH	*	*	*	*	*	2	*	*	2
03. SHARK, OTHER	0	*	*	*	*	19	*	*	19
04. STURGEONS	*	*	*	*	*	25	1	*	26
06. NORTHERN ANCHOVY	2	*	*	*	*	*	*	*	2
10. PACIFIC TOMCOD	*	*	*	*	*	*	*	*	*
13. SILVERSIDES	1	*	*	*	*	*	*	*	1
14. JACKSMILT	67	0	*	*	7	4	*	*	79
15. BLACK ROCKFISH	*	*	*	*	*	1	*	*	1
16. BLUE ROCKFISH	*	*	*	*	*	1	*	*	1
17. BROWN ROCKFISH	3	*	*	*	7	19	*	*	29
19. CANARY ROCKFISH	*	*	*	*	*	1	*	*	1
21. COPPER ROCKFISH	*	*	*	*	*	1	*	*	1
33. ROCKFISHES, OTHER	2	*	*	*	3	1	*	*	6
34. KELP GREENLING	*	*	*	*	0	3	*	*	3
35. LINGCOD	0	*	*	*	0	1	*	*	2
38. CABEZON	0	*	*	*	0	1	*	*	2
39. PAC. STAGHORN SCULPIN	6	*	*	*	11	8	*	*	25
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	*	1	*	*	1
44. STRIPED BASS	3	*	*	*	2	27	1	*	32
48. WHITE CROAKER	12	*	*	*	2	35	*	*	48
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	0	*	*	*	2	1	*	*	4
54. BLACK PERCH	13	1	*	*	18	11	*	*	43
55. PILE PERCH	190	*	*	*	6	12	*	*	207
57. RUBBERLIP SEAPERCH	2	*	*	*	6	105	*	*	113
58. SHINER PERCH	118	2	*	*	9	2	*	*	131
59. SILVER SURFPERCH	2	*	*	*	*	1	*	*	3
60. STRIPED SEAPERCH	*	*	*	*	4	2	*	*	6
61. WALLEYE SURFPERCH	16	0	*	*	3	4	*	*	24
62. WHITE SEAPERCH	14	*	*	*	2	98	*	*	114
63. SURFPERCHES, OTHER	13	10	*	*	16	4	*	*	42
69. STARRY FLOUNDER	11	*	*	*	1	11	1	*	24
70. CALIFORNIA HALIBUT	*	*	*	*	0	2	*	*	3
71. PACIFIC SANDDAB	*	*	*	*	*	1	*	*	1
72. ROCK SOLE	*	*	*	*	*	1	*	*	1
73. FLATFISHES, OTHER	*	*	*	*	0	2	*	*	2
74. SALMONIDS	*	*	*	*	*	0	*	*	0
75. OTHER FISH	51	0	*	*	46	5	0	*	103
TOTAL	527	14	0	147	435	3	0	0	1,126

TABLE 23. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1985--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY HOOK & LINE	BANK	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	1	1	*	*	1
03. SHARK, OTHER	*	*	*	*	0	1	*	*	1
12. PACIFIC HAKE	*	*	*	*	6	73	*	*	78
14. JACKSMELT	7	*	*	0	8	*	*	*	15
15. BLACK ROCKFISH	0	*	*	*	12	4	*	1	18
16. BLUE ROCKFISH	*	0	*	*	60	38	*	1	99
17. BROWN ROCKFISH	1	0	*	*	68	12	*	*	80
18. BOCCACCIO	*	*	*	*	0	181	*	*	181
19. CANARY ROCKFISH	*	*	*	*	12	30	*	*	42
20. CHILIPEPPER ROCKFISH	*	*	*	*	4	257	*	*	261
21. COPPER ROCKFISH	1	*	*	*	6	9	*	1	16
22. GOPHER ROCKFISH	*	*	*	*	37	8	*	0	46
23. GREENSPOTTED ROCKFISH	*	*	*	*	7	67	*	*	74
24. GREENSTRIPED ROCKFISH	*	*	*	*	2	37	*	*	38
25. OLIVE ROCKFISH	*	*	*	*	10	42	*	4	56
27. ROSY ROCKFISH	*	*	*	*	9	30	*	*	39
28. STARRY ROCKFISH	*	*	*	*	3	17	*	*	19
29. VERMILION ROCKFISH	*	*	*	*	7	6	*	0	13
30. WIDOW ROCKFISH	*	*	*	*	1	8	*	*	9
31. YELLOWTAIL ROCKFISH	*	*	*	*	10	101	*	1	112
33. ROCKFISHES, OTHER	1	0	*	1	107	137	*	8	254
34. KELP GREENLING	*	0	*	1	2	*	*	1	4
35. LINGCOD	1	*	*	*	16	37	*	9	62
37. SABLEFISH	*	*	*	*	4	41	*	*	46
38. CABEZON	*	0	*	0	5	1	*	4	10
39. PAC. STAGHORN SCULPIN	18	*	*	16	1	*	*	*	36
40. SCULPINS, OTHER	0	0	*	*	*	*	*	*	1
43. KELP BASS	*	*	*	*	0	*	*	0	1
44. STRIPED BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	32	0	*	4	470	0	*	*	506
53. BARRED SURFPERCH	0	*	*	168	0	*	*	*	169
54. BLACK PERCH	1	0	*	3	*	*	*	1	5
55. PILE PERCH	2	0	*	0	0	*	*	2	5
57. RUBBERLIP SEAPERCH	*	1	*	*	0	*	*	1	1
58. SHINER PERCH	1	0	*	0	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	8	*	*	*	*	8
60. STRIPED SEAPERCH	*	0	*	1	0	*	*	2	4
61. WALLEYE SURFPERCH	5	0	*	6	1	*	*	*	12
62. WHITE SEAPERCH	5	0	*	1	*	*	*	*	6
63. SURFPERCHES, OTHER	12	0	*	17	1	*	*	*	30
66. PACIFIC BONITO	*	*	*	*	*	1	*	*	1
67. PACIFIC MACKEREL	*	*	*	*	16	24	*	*	40
68. TUNAS	*	*	*	*	4	6	*	*	11
69. STARRY FLOUNDER	1	0	*	0	1	*	*	*	2
70. CALIFORNIA HALIBUT	0	*	*	*	2	*	*	1	3
71. PACIFIC SANDDAB	1	0	*	*	75	64	*	*	140
72. ROCK SOLE	*	*	*	*	1	1	*	*	3
73. FLATFISHES, OTHER	1	0	*	2	10	1	*	*	14
74. SALMONIDS	1	*	*	*	1	0	*	*	2
75. OTHER FISH	2	0	*	1	2	5	*	1	13
TOTAL	95	4	0	230	984	1,237	0	40	2,588

TABLE 24. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	1	*	*	*	1
03. SHARK, OTHER	1	*	*	*	*	*	*	*	1
12. PACIFIC HAKE	*	*	*	*	*	2	*	*	2
14. JACKSMELT	12	*	*	0	3	*	*	*	15
15. BLACK ROCKFISH	*	*	*	*	6	*	*	*	6
16. BLUE ROCKFISH	0	*	*	*	66	22	*	*	88
17. BROOK ROCKFISH	*	*	*	1	17	2	*	*	19
18. BOCCACCIO	39	*	*	*	1	88	*	*	128
19. CANARY ROCKFISH	*	*	*	*	19	10	*	*	29
20. CHILIPEPPER ROCKFISH	*	*	*	*	0	51	*	*	51
21. COPPER ROCKFISH	*	*	*	*	8	8	*	*	16
22. GOPHER ROCKFISH	0	*	*	*	74	9	*	*	83
23. GREENSPOTTED ROCKFISH	*	*	*	*	0	4	*	*	4
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	2	*	*	2
25. OLIVE ROCKFISH	*	*	*	*	10	5	*	*	14
27. ROSY ROCKFISH	0	*	*	*	9	16	*	*	24
28. STARRY ROCKFISH	*	*	*	*	5	11	*	*	16
29. VERMILION ROCKFISH	*	*	*	*	11	12	*	*	23
30. WIDOW ROCKFISH	*	*	*	*	0	79	*	*	79
31. YELLOWTAIL ROCKFISH	0	*	*	*	8	60	*	*	68
33. ROCKFISHES, OTHER	*	*	*	2	33	52	*	*	87
34. KELP GREENLING	*	*	*	0	1	*	*	*	1
35. LINGCOD	*	*	*	*	10	4	*	*	14
37. SABLEFISH	*	*	*	*	*	0	*	*	0
38. CABEZON	1	*	*	0	2	0	*	*	3
39. PAC. STAGHORN SCULPIN	1	*	*	*	*	*	*	*	1
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
41. BARRED SAND BASS	*	*	*	1	1	*	*	*	2
42. SPOTTED SAND BASS	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	46	*	*	0	5	*	*	*	51
49. CLEENFISH	71	*	*	*	0	*	*	*	71
50. CROAKERS, OTHER	*	*	*	1	0	*	*	*	1
51. OPALEYE	*	*	*	0	*	*	*	*	*
53. BARRED SURFPERCH	27	*	*	58	0	*	*	*	85
54. BLACK PERCH	0	*	*	0	0	*	*	*	0
55. PILE PERCH	2	*	*	0	*	*	*	*	3
58. SHINER PERCH	14	*	*	0	*	*	*	*	15
59. SILVER SURFPERCH	11	*	*	4	*	*	*	*	15
60. STRIPED SEAPERCH	*	*	*	1	0	*	*	*	1
61. WALLEYE SURFPERCH	21	*	*	1	*	*	*	*	22
62. WHITE SEAPERCH	1	*	*	*	*	*	*	*	1
63. SURFPERCHES, OTHER	22	*	*	4	*	*	*	*	26
65. PACIFIC BARRAUDA	*	*	*	*	2	*	*	*	2
67. PACIFIC MACKEREL	*	*	*	*	6	3	*	*	9
68. TUNAS	*	*	*	*	10	14	*	*	24
69. STARRY FLOUNDER	*	*	*	*	0	*	*	*	0
70. CALIFORNIA HALIBUT	1	*	*	*	9	*	*	*	10
71. PACIFIC SANDDAB	*	*	*	*	1	0	*	*	1
72. ROCK SOLE	*	*	*	*	0	0	*	*	0
74. SALMONIDS	0	*	*	*	13	0	*	*	13
75. OTHER FISH	9	*	*	0	1	2	*	*	13
TOTAL	278	0	0	76	334	455	0	0	1,443

TABLE 25. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE A) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	DEL NORTE / HUMBOLDT			MENDOCINO / SONOMA			SAN FRANCISCO			SANTA CRUZ / MONTEREY			SAN LUIS OBISPO			TOTAL		
	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV	EST.	S.E.	CV
01. LEOPARD SHARK	0	*	100	*	*	*	13	5	35	0	0	100	*	*	*	13	5	34
02. SPINY DOGFISH	*	*	*	0	0	90	2	1	55	1	1	51	*	1	71	4	1	33
03. SHARK, OTHER	0	0	100	*	*	*	5	1	31	0	0	59	*	*	*	5	1	28
04. STURGEONS	*	*	*	*	*	*	25	6	24	*	*	*	*	*	*	25	6	24
05. PACIFIC HERRING	9	13	138	35	17	50	*	*	*	*	*	*	*	*	*	44	22	49
07. SURF SMELT	4	3	87	19	33	178	*	*	*	*	*	*	*	*	*	22	33	150
12. PACIFIC HAKE	*	*	*	*	*	*	*	*	*	75	29	38	2	2	117	77	29	38
14. JACKSMELT	2	2	99	0	0	100	68	32	47	11	5	46	8	5	66	89	33	37
15. BLACK ROCKFISH	158	176	112	37	15	41	10	3	33	18	7	42	6	6	69	229	177	78
16. BLUE ROCKFISH	11	25	222	22	7	33	73	33	45	97	24	25	84	50	90	288	70	24
17. BROWN ROCKFISH	1	2	125	19	8	39	78	22	28	79	39	49	19	14	71	196	47	24
18. BOCACCIO	0	0	71	4	1	28	14	4	31	178	73	41	93	53	57	299	91	31
19. CANARY ROCKFISH	16	25	155	53	16	31	58	15	26	41	15	36	29	16	53	198	40	20
20. CHILIPEPPER ROCKFISH	*	*	*	77	13	17	16	5	32	261	84	32	50	57	114	404	103	25
21. COPPER ROCKFISH	7	10	141	17	7	41	15	4	29	15	5	31	16	8	54	69	16	23
22. GOPHER ROCKFISH	*	*	*	2	1	47	1	1	43	45	17	37	82	51	61	131	53	41
23. GREENSPOTTED ROCKFISH	*	*	*	14	7	51	27	9	34	74	25	34	44	4	67	118	28	24
24. GREENSTRIPED ROCKFISH	1	1	100	1	1	50	3	2	32	38	15	15	2	1	96	46	15	33
25. OLIVE ROCKFISH	*	*	*	1	1	47	31	11	35	52	18	38	14	7	51	99	22	23
26. QUILLBACK ROCKFISH	3	4	147	1	1	60	3	1	47	*	*	*	*	*	7	7	4	60
27. ROSY ROCKFISH	1	1	88	7	5	66	35	9	26	39	12	32	24	12	49	106	20	19
28. STARRY ROCKFISH	*	*	*	2	1	35	12	4	28	19	8	42	16	9	58	49	13	26
29. VERMILION ROCKFISH	1	1	128	5	2	41	2	1	41	13	4	31	23	13	56	44	14	31
30. WIDOW ROCKFISH	*	*	*	0	0	66	13	7	55	9	4	42	79	60	76	102	61	60
31. YELLOWTAIL ROCKFISH	8	9	124	36	8	22	154	40	26	102	37	37	68	57	84	368	80	22
33. ROCKFISHES, OTHER	8	11	129	20	5	24	28	5	17	75	19	25	23	6	25	155	24	15
34. KELP GREENLING	7	4	64	10	3	32	8	4	44	3	1	34	1	1	52	29	7	23
35. LINGCOD	15	20	127	17	6	35	26	9	33	53	20	37	14	8	56	120	31	20
36. GREENLINGS, OTHER	1	1	73	19	11	57	*	*	*	*	*	*	*	*	*	21	11	11
37. SABLEFISH	*	*	*	*	*	*	*	*	*	45	17	38	0	0	84	45	17	38
38. CABEZON	4	3	75	23	11	46	11	3	32	6	2	29	3	2	68	47	12	25
39. PAC. STAGHORN SCULPIN	0	0	75	0	0	71	1	1	74	2	1	38	1	1	178	4	2	43
40. SCULPINS, OTHER	0	0	93	0	0	68	*	*	*	*	*	*	*	*	*	0	0	59
41. BARRED SAND BASS	*	*	*	*	*	*	*	*	*	*	*	*	2	2	70	2	2	70
43. KELP BASS	*	*	*	*	*	*	1	1	100	1	0	81	0	0	100	2	2	69
44. STRIPED BASS	*	*	*	0	0	100	40	19	28	0	0	100	*	*	*	41	11	28
48. WHITE CROAKER	*	*	*	*	*	*	59	11	32	449	331	74	29	20	69	537	332	62
49. QUEENFISH	*	*	*	*	*	*	*	*	*	*	*	*	59	92	154	59	92	154
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*	*	*	*	1	1	81	1	1	81
53. BARRED SURFPERCH	0	0	174	0	0	100	7	3	43	169	69	41	75	48	64	251	84	33
54. BLACK PERCH	*	*	*	*	*	*	36	12	34	5	3	47	1	0	63	42	12	29
55. PILE PERCH	1	1	76	0	0	63	277	201	73	5	3	52	2	1	66	285	201	71
56. REDTAIL SURFPERCH	21	12	56	4	3	83	0	0	100	*	*	*	*	*	*	25	12	48
57. RUBBERLIP SEAPERCH	*	*	*	0	0	75	113	102	90	1	1	60	*	*	*	114	102	89
58. SHINER PERCH	3	3	100	27	24	86	115	48	41	1	1	56	13	13	96	161	55	34
59. SILVER SURFPERCH	3	3	107	1	0	72	46	41	90	8	3	40	12	6	51	69	42	61
60. STRIPED SEAPERCH	48	32	65	7	3	42	8	4	48	3	1	51	1	1	67	66	32	48
61. WALLEYE SURFPERCH	3	5	208	0	0	100	26	9	37	11	4	33	22	16	73	61	20	32
62. WHITE SEAPERCH	1	1	88	2	2	69	116	93	81	5	3	63	1	1	100	124	93	75
63. SURFPERCHES, OTHER	2	1	68	2	1	61	10	4	40	11	5	48	7	4	63	31	8	28
65. PACIFIC BARRACUDA	*	*	*	*	*	*	*	*	*	*	*	*	2	3	179	34	3	179
67. PACIFIC MACKEREL	*	*	*	*	*	*	12	11	88	34	13	57	8	5	63	17	17	32
68. TUNAS	*	*	*	*	*	*	*	*	*	4	2	53	16	12	75	21	12	66
69. STARRY FLOUNDER	0	0	81	0	0	83	23	6	24	2	2	37	0	0	100	27	6	22
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	2	1	45	3	2	76	10	8	78	15	8	55
71. PACIFIC SANDDAB	0	0	71	5	3	64	2	1	70	68	27	40	1	1	64	77	27	36
72. ROCK SOLE	*	*	*	0	0	61	1	1	100	3	1	51	0	0	73	4	2	38
73. FLATFISHES, OTHER	1	1	91	6	3	55	3	1	48	14	8	55	*	*	*	23	8	36
74. SALMONIDS	3	3	104	2	2	71	3	1	38	1	1	81	12	13	108	21	14	65
75. OTHER FISH	0	0	180	0	0	59	4	1	37	4	2	35	5	3	54	14	4	28
TOTAL	345	186	54	502	57	11	1,633	263	16	2,156	368	17	940	176	19	5,576	523	9

NOTE: EST. = ESTIMATE, S.E. = STANDARD ERROR OF ESTIMATE, CV = COEFFICIENT OF VARIATION

TABLE 26. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	DEL NORTE / HUMBOLDT	MENDOCINO / SONOMA	OCEAN	SAN FRANCISCO BAY	SANTA CRUZ / MONTEREY	SAN LUIS OBISPO	TOTAL
01. LEOPARD SHARK	0	*	*	105	0	*	106
02. SPINY DOGFISH	*	*	*	7	0	1	8
03. SHARK, OTHER	0	0	0	573	5	3	582
04. STURGEONS	*	*	*	60	*	*	60
05. PACIFIC HERRING	*	1	*	*	*	*	1
06. NORTHERN ANCHOVY	*	*	23	1	*	*	24
10. PACIFIC TOMCOD	*	*	*	*	*	*	1
12. PACIFIC HAKE	0	*	*	*	15	0	15
13. SILVERSIDES	*	*	*	2	4	*	2
14. JACKSMELT	0	0	*	15	*	17	36
15. BLACK ROCKFISH	14	0	*	*	*	*	14
16. BLUE ROCKFISH	*	0	5	*	5	13	23
17. BROWN ROCKFISH	0	*	2	36	4	18	22
18. BOCCACCIO	*	*	*	*	*	0	0
19. CANARY ROCKFISH	*	0	*	*	*	0	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	0
21. COPPER ROCKFISH	*	*	0	*	*	2	2
22. GOPHER ROCKFISH	*	*	*	*	*	1	1
25. OLIVE ROCKFISH	*	*	*	*	*	0	0
27. ROSY ROCKFISH	*	1	5	*	*	0	6
28. STARRY ROCKFISH	*	*	*	*	*	0	0
29. VERMILION ROCKFISH	*	0	*	*	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	2	*	2
31. YELLOWTAIL ROCKFISH	*	*	0	*	2	0	2
33. ROCKFISHES, OTHER	8	21	9	10	158	28	233
34. KELP GREENLING	1	4	*	0	*	0	6
35. LINGCOD	3	11	3	5	35	18	73
36. GREENLINGS, OTHER	4	7	*	*	*	*	10
37. SABLEFISH	*	*	*	*	1	0	1
38. CABEZON	2	3	2	5	2	6	18
39. PAC. STAGHORN SCULPIN	1	1	8	780	138	35	962
40. SCULPINS, OTHER	19	2	*	0	*	0	21
41. BARRED SAND BASS	*	*	*	*	*	0	0
42. SPOTTED SAND BASS	*	*	*	*	*	0	0
43. KELP BASS	*	*	*	*	*	0	0
44. STRIPED BASS	*	*	0	70	3	*	72
48. WHITE CROAKER	*	*	2	50	118	104	273
49. QUEENFISH	*	*	*	*	*	22	22
50. CROAKERS, OTHER	*	*	*	1	*	*	1
53. BARRED SURFFERCH	*	*	*	0	9	22	32
54. BLACK PERCH	*	*	*	1	*	*	1
55. PILE PERCH	0	*	*	*	2	*	2
56. REDTAIL SURFFERCH	3	0	0	*	*	*	3
57. RUBBERLIP SEAPERCH	*	*	*	1	*	*	1
58. SHINER PERCH	0	1	0	235	*	0	236
59. SILVER SURFFERCH	0	*	*	*	*	4	4
60. STRIPED SEAPERCH	1	0	*	*	*	*	1
61. WALLEYE SURFFERCH	0	*	*	1	0	2	3
62. WHITE SEAPERCH	*	*	*	*	2	*	2
63. SURFFERCHES, OTHER	18	1	4	80	64	62	229
65. PACIFIC BARRACUDA	*	*	*	*	*	11	11
67. PACIFIC HACKEREL	*	*	19	*	9	7	35
69. STARRY FLOUNDER	*	*	*	5	*	*	5
70. CALIFORNIA HALIBUT	*	1	*	1	2	17	21
71. PACIFIC SANDDAB	*	4	*	1	1	1	6
73. FLATFISHES, OTHER	0	1	*	1	39	*	41
74. SALMONIDS	53	5	1	*	2	2	63
75. OTHER FISH	0	14	8	241	32	18	313
TOTAL	127	76	93	2,287	653	414	3,649

TABLE 27. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY COASTAL COUNTY DISTRICT AND MODE, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY HOOK & LINE	BANK P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
DEL NORTE/HUMBOLDT	20	5	2	21	79	*	*	127
MENDOCINO/SONOMA (NON-BOAT MODES)	11	1	*	15	*	*	0	28
MENDOCINO (BOAT MODES)	*	*	*	*	1	0	*	1
SONOMA (BOAT MODES)	*	*	*	*	45	1	*	47
SAN FRANCISCO	479	32	*	409	1,393	67	*	2,380
SANTA CRUZ/MONTEREY	162	12	*	114	276	89	0	653
SAN LUIS OBISPO	209	*	*	27	165	13	*	414
TOTAL	881	50	2	586	1,960	170	0	3,649

TABLE 28. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, ALL COASTAL COUNTY DISTRICTS COMBINED, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	P/R BOAT	CPFV	BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	1	*	4	101	0	*	*	106
02. SPINY DOGFISH	*	*	*	*	7	1	*	*	8
03. SHARK, OTHER	6	0	*	33	540	3	*	*	582
04. STURGEONS	*	*	*	*	56	4	*	*	60
05. PACIFIC HERRING	1	*	*	*	*	*	*	*	1
06. NORTHERN ANCHOVY	3	*	*	11	10	*	*	*	24
07. SURF SHELTER	*	*	*	*	*	*	*	*	*
10. PACIFIC TOMCOD	*	*	*	*	1	*	*	*	1
12. PACIFIC HAKE	*	*	*	*	1	14	*	*	15
13. SILVERSIDES	2	*	*	*	*	*	*	*	2
14. JACKSMELT	19	0	*	6	11	*	*	*	36
15. BLACK ROCKFISH	*	1	*	*	13	*	*	*	14
16. BLUE ROCKFISH	*	*	*	*	20	3	*	*	23
17. BROWN ROCKFISH	6	1	*	9	23	0	*	*	39
18. BOCACCIO	22	*	*	*	*	0	*	*	22
19. CANARY ROCKFISH	*	*	*	*	0	0	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	*	0	*	*	0
22. GOPHER ROCKFISH	*	*	*	0	2	0	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	1	*	*	*	1
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	6	*	*	6
28. STARRY ROCKFISH	*	*	*	*	*	0	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
30. WIDOW ROCKFISH	*	*	*	*	2	*	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	0	*	*	2
33. ROCKFISHES, OTHER	7	2	*	5	157	61	*	0	232
34. KELP GREENLING	*	1	*	1	4	*	*	*	6
35. LINGCOD	3	1	*	1	44	23	*	*	73
36. GREENLINGS, OTHER	0	1	*	8	1	*	*	*	10
37. SABLEFISH	*	*	*	*	1	0	*	*	1
38. CABEZON	4	1	*	11	2	0	*	*	18
39. PAC. STAGHORN SCULPIN	292	26	*	195	437	12	*	*	962
40. SCULPINS, OTHER	4	1	1	14	2	0	*	*	21
41. BARRED SAND BASS	*	*	*	*	0	*	*	*	0
42. SPOTTED SAND BASS	*	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
44. STRIPED BASS	2	*	*	4	56	10	*	*	72
48. WHITE CROAKER	72	2	*	2	195	2	*	*	273
49. QUEENFISH	22	*	*	*	*	*	*	*	22
50. CROAKERS, OTHER	*	*	*	*	1	*	*	*	1
51. OPALEYE	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	9	*	*	22	0	*	*	*	32
54. BLACK PERCH	1	*	*	*	*	*	*	*	1
55. PILE PERCH	2	0	*	*	*	*	*	*	2
56. REDTAIL SURFPERCH	*	0	*	3	*	*	*	*	3
57. RUBBERLIP SEAPERCH	1	*	*	0	0	*	*	*	1
58. SHINER PERCH	156	2	*	71	8	*	*	*	236
59. SILVER SURFPERCH	3	0	*	0	*	*	*	*	4
60. STRIPED SEAPERCH	0	0	*	1	*	*	*	*	1
61. WALLEYE SURFPERCH	2	0	*	0	*	*	*	*	2
62. WHITE SEAPERCH	2	*	*	*	*	*	*	*	2
63. SURFPERCHES, OTHER	124	4	0	72	29	*	*	*	229
65. PACIFIC BARRACUDA	*	*	*	*	11	*	*	*	11
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	4	*	*	*	9	23	*	*	35
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	0	*	*	*	4	1	*	*	5
70. CALIFORNIA HALIBUT	2	*	*	*	19	0	*	*	21
71. PACIFIC SANDDAB	*	0	*	*	6	*	*	*	6
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	18	1	0	5	16	1	*	*	41
74. SALMONIDS	5	*	*	1	57	*	*	*	63
75. OTHER FISH	89	5	*	108	108	3	*	*	313
TOTAL	881	50	2	586	1,960	170	0	0	3,649

TABLE 29. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	OPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	0	*	*	*	*	0
03. SHARK, OTHER	*	0	*	*	*	*	*	*	0
05. PACIFIC HERRING	*	*	*	*	*	*	*	*	*
07. SURF SHELTER	*	*	*	*	*	*	*	*	*
12. PACIFIC HAKE	*	*	*	*	0	*	*	*	0
14. JACKSMELT	0	*	*	*	0	*	*	*	0
15. BLACK ROCKFISH	*	1	*	*	13	*	*	*	14
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	0	*	*	*	*	*	*	0
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	0	1	*	0	7	*	*	*	8
34. KELP GREENLING	*	1	*	0	0	*	*	*	1
35. LINGCOD	*	0	*	*	3	*	*	*	3
36. GREENLINGS, OTHER	0	1	*	2	1	*	*	*	4
38. CABEZON	1	0	*	0	0	*	*	*	1
39. PAC. STAGHORN SCULPIN	*	*	*	0	1	*	*	*	1
40. SCULPINS, OTHER	4	0	1	14	1	*	*	*	19
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	0	*	*	*	*	*	*	0
56. REDTAIL SURFPERCH	*	0	*	3	*	*	*	*	3
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	0	*	*	*	*	*	*	0
60. STRIPED SEAPERCH	0	0	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	*	*	*	0	*	*	*	*	0
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	14	1	0	2	0	*	*	*	18
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	0	0	*	*	*	*	0
74. SALMONIDS, OTHER	*	*	*	0	53	*	*	*	53
75. OTHER FISH	*	*	*	0	*	*	*	*	0
TOTAL	20	5	2	21	79	0	0	0	127

TABLE 30. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1986---DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
05. PACIFIC HERRING	1	*	*	*	*	*	*	*	1
07. SURF SMELT	*	*	*	*	*	*	*	*	*
14. JACKSMELT	0	*	*	*	*	*	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	0	*	2	*	*	*	0	2
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGCOD	*	0	*	*	*	*	*	*	0
36. GREENLINGS, OTHER	*	0	*	6	*	*	*	*	6
38. CABEZON	0	0	*	2	*	*	*	*	3
39. PAC. STAGHORN SCULPIN	*	0	*	0	*	*	*	*	1
40. SCULPINS, OTHER	*	0	*	0	*	*	*	*	0
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	0	*	*	0	*	*	*	*	1
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	0	*	*	*	*	0
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	1	0	*	1	*	*	*	*	1
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	5	*	*	*	*	*	*	*	5
75. OTHER FISH	5	0	*	3	*	*	*	*	8
TOTAL	11	1	0	15	0	0	0	0	28

TABLE 31. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	0	*	*	*	0
16. BLUE ROCKFISH	*	*	*	*	0	*	*	*	0
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	0	*	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	0	*	*	*	0
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	0	*	*	*	0
34. KELP GREENLING	*	*	*	*	0	*	*	*	0
35. LINGCOD	*	*	*	*	0	*	*	*	0
36. GREENLINGS, OTHER	*	*	*	*	0	*	*	*	0
38. CABEZON	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	*	*	*	0	*	*	*	0
44. STRIPED BASS	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	*	*	*	*	*
75. OTHER FISH	*	*	*	*	0	*	*	*	0
TOTAL	0	0	0	0	1	0	0	0	1

TABLE 32. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH BANK CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	*	0	*	*	0
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	*	*	*	*	*
17. BROWN ROCKFISH	*	*	*	*	*	*	*	*	*
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	1	*	*	1
28. STARRY ROCKFISH	*	*	*	*	*	1	*	*	1
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	*	*	*	*
33. ROCKFISHES, OTHER	*	*	*	*	18	0	*	*	18
34. KELP GREENLING	*	*	*	*	4	*	*	*	4
35. LINGCOD	*	*	*	*	10	*	*	*	10
36. GREENLINGS, OTHER	*	*	*	*	1	*	*	*	1
38. CABEZON	*	*	*	*	*	*	*	*	*
40. SCULPINS, OTHER	*	*	*	*	1	*	*	*	1
70. CALIFORNIA HALIBUT	*	*	*	*	1	*	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	4	*	*	*	4
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
75. OTHER FISH	*	*	*	*	6	*	*	*	6
TOTAL	0	0	0	0	45	1	0	0	47

TABLE 33. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	1	*	3	101	0	*	*	105
02. SPINY DOGFISH	*	*	*	*	7	*	*	*	7
03. SHARK, OTHER	5	0	*	33	535	0	*	*	573
04. STURGEONS	*	*	*	*	56	4	*	*	60
06. NORTHERN ANCHOVY	3	*	*	11	10	*	*	*	24
10. PACIFIC TOMCOD	*	*	*	*	1	*	*	*	1
13. SILVERSIDES	2	*	*	*	*	*	*	*	2
14. JACKSMELT	8	0	*	2	5	*	*	*	15
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	2	3	*	*	5
17. BROWN ROCKFISH	6	1	*	9	22	0	*	*	38
18. BOCACCIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	0	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. QUILLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	5	*	*	5
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	0	*	*	0
33. ROCKFISHES, OTHER	2	1	*	1	8	6	*	*	18
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGCOD	2	1	*	0	2	2	*	*	8
38. CABEZON	*	1	*	6	*	*	*	*	7
39. PAC. STAGHORN SCULPIN	194	17	*	132	433	12	*	*	788
40. SCULPINS, OTHER	*	*	*	*	*	0	*	*	0
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	2	*	*	4	54	10	*	*	70
48. WHITE CROAKER	4	2	*	0	45	0	*	*	52
50. CROAKERS, OTHER	*	*	*	*	1	*	*	*	1
53. BARRED SURFPERCH	*	*	*	*	0	*	*	*	0
54. BLACK PERCH	1	*	*	*	*	*	*	*	1
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
57. RUBBERLIP SEAPERCH	1	*	*	0	0	*	*	*	1
58. SHINER PERCH	155	2	*	70	8	*	*	*	235
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	1	*	*	*	*	*	*	*	1
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	25	1	*	32	26	*	*	*	84
67. PACIFIC MACKEREL	*	*	*	*	*	19	*	*	19
69. STARRY FLOUNDER	0	*	*	*	4	1	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*	1	0	*	*	1
71. PACIFIC SANDDAB	*	*	*	*	1	*	*	*	1
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	1	*	*	*	1
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	69	4	*	103	71	2	*	*	249
TOTAL	479	32	0	409	1,393	67	0	0	2,380

TABLE 34. ESTIMATED THOUSAND OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
03. SHARK, OTHER	*	*	*	*	0	*	*	*	0
06. NORTHERN ANCHOVY	2	*	*	11	10	*	*	*	23
14. JACKSMELT	*	*	*	*	*	*	*	*	*
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	2	3	*	*	5
17. BROWN ROCKFISH	*	1	*	*	1	0	*	*	2
18. BOCACIO	*	*	*	*	*	*	*	*	*
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	0	*	*	0
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
26. GULLBACK ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	5	*	*	5
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	*	0	*	*	0
33. ROCKFISHES, OTHER	*	1	*	*	2	6	*	*	9
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	*	*	*	0	0	2	*	*	3
38. CABEZON	*	1	*	1	*	*	*	*	2
39. PAC. STAGHORN SCULPIN	7	0	*	*	1	0	*	*	8
44. STRIPED BASS	*	*	*	*	0	*	*	*	0
48. WHITE CRANKER	2	0	*	*	*	*	*	*	2
53. BARRED SURFPERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
56. REDTAIL SURFPERCH	*	*	*	0	*	*	*	*	0
58. SHINER PERCH	0	*	*	*	*	*	*	*	0
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	*	*	*	*	*	*	*	*
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	4	*	*	0	0	*	*	*	4
67. PACIFIC MACKEREL	*	*	*	*	*	19	*	*	19
70. CALIFORNIA HALIBUT	*	*	*	*	*	*	*	*	*
71. PACIFIC SANDDAB	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	1	*	*	*	*	1
75. OTHER FISH	0	1	*	6	*	1	*	*	8
TOTAL	14	3	0	20	17	38	0	0	93

TABLE 35. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1986--DEC 1986.

GROUP	PIER & DOCK BREAKWATER	JETTY & CAUSEWAY	BRIDGE & CAUSEWAY	BEACH HOOK & LINE	BANK NET	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	0	1	*	3		101	0	*	*	105
02. SPINY DOGFISH	*	*	*	*		7	*	*	*	7
03. SHARK, OTHER	5	0	*	33		534	0	*	*	573
04. STURGEONS	*	*	*	*		56	4	*	*	60
06. NORTHERN ANCHOVY	1	*	*	*		*	*	*	*	1
10. PACIFIC TOMCOD	*	*	*	*		1	*	*	*	1
13. SILVERSIDES	2	*	*	*		*	*	*	*	2
14. JACKSMELT	8	0	*	2		5	*	*	*	15
15. BLACK ROCKFISH	*	*	*	*		*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*		*	*	*	*	*
17. BROWN ROCKFISH	6	*	*	9		21	*	*	*	36
19. CANARY ROCKFISH	*	*	*	*		*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*		*	*	*	*	*
33. ROCKFISHES, OTHER	2	*	*	1		6	0	*	*	10
34. KELP GREENLING	*	*	*	0		*	*	*	*	0
35. LINGCOD	2	1	*	5		1	*	*	*	5
38. CABEZON	*	*	*	5		*	*	*	*	5
39. PAC. STAGHORN SCULPIN	187	17	*	132		432	12	*	*	780
40. SCULPINS, OTHER	*	*	*	*		*	0	*	*	0
43. KELP BASS	*	*	*	*		*	*	*	*	*
44. STRIPED BASS	2	*	*	4		54	10	*	*	70
48. WHITE CROAKER	2	2	*	0		45	0	*	*	50
50. CROAKERS, OTHER	*	*	*	*		1	*	*	*	1
53. BARRED SURFPERCH	*	*	*	*		0	*	*	*	0
54. BLACK PERCH	1	*	*	*		*	*	*	*	1
55. PILE PERCH	*	*	*	*		*	*	*	*	*
57. RUBBERLIP SEAPERCH	1	*	*	0		0	*	*	*	1
58. SHINER PERCH	154	2	*	70		8	*	*	*	235
59. SILVER SURFPERCH	*	*	*	*		*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*		*	*	*	*	*
61. WALLEYE SURFPERCH	1	*	*	*		*	*	*	*	1
62. WHITE SEAPERCH	*	*	*	*		*	*	*	*	*
63. SURFPERCHES, OTHER	22	1	*	31		26	*	*	*	80
69. STARRY FLOUNDER	0	*	*	*		4	1	*	*	5
70. CALIFORNIA HALIBUT	*	*	*	*		1	0	*	*	1
71. PACIFIC SANDDAB	*	*	*	*		1	*	*	*	1
72. ROCK SOLE	*	*	*	*		*	*	*	*	*
73. FLATFISHES, OTHER	*	*	*	*		1	*	*	*	1
74. SALMONIDS	*	*	*	*		*	*	*	*	*
75. OTHER FISH	68	4	*	97		71	1	*	*	241
TOTAL	464	29	0	389		1,376	29	0	0	2,287

TABLE 36. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1986---DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & CAUSEWAY	BEACH BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
01. LEOPARD SHARK	*	*	*	*	0	*	*	*	0
02. SPINY DOGFISH	*	*	*	*	*	0	*	*	0
03. SHARK, OTHER	*	*	*	1	2	2	*	*	5
12. PACIFIC HAKE	*	*	*	*	1	14	*	*	15
14. JACKSMELT	*	*	*	*	4	*	*	*	4
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	5	0	*	*	5
17. BROWN ROCKFISH	*	*	*	*	1	*	*	*	1
18. BOCCACCIO	3	*	*	*	*	0	*	*	4
19. CANARY ROCKFISH	*	*	*	*	*	*	*	*	*
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	*	*	*	*
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	*	*	*	*	*	*
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	*	*	*	*	*
27. ROSY ROCKFISH	*	*	*	*	*	*	*	*	*
28. STARRY ROCKFISH	*	*	*	*	*	*	*	*	*
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	2	*	*	*	2
31. YELLOWTAIL ROCKFISH	*	*	*	*	2	*	*	*	2
33. ROCKFISHES, OTHER	4	1	*	0	107	46	*	*	158
34. KELP GREENLING	*	*	*	*	*	*	*	*	*
35. LINGCOD	0	*	*	1	14	19	*	*	35
37. SABLEFISH	*	*	*	*	1	0	*	*	1
38. CABEZON	*	*	*	*	2	0	*	*	2
39. PAC. STAGHORN SCULPIN	64	8	*	62	3	*	*	*	138
40. SCULPINS, OTHER	*	*	*	*	*	*	*	*	*
43. KELP BASS	*	*	*	*	*	*	*	*	*
44. STRIPED BASS	*	*	*	*	3	*	*	*	3
48. WHITE CRONKER	31	*	*	1	85	2	*	*	118
53. BARRED SURFPERCH	*	*	*	9	*	*	*	*	9
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	2	*	*	*	*	*	*	*	2
57. RUBBERLIP SEAPERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	*	*	*	*	*	*	*	*	*
59. SILVER SURFPERCH	*	*	*	*	*	*	*	*	*
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	*	0	*	*	*	*	*	*	0
62. WHITE SEAPERCH	2	*	*	*	*	*	*	*	2
63. SURFPERCHES, OTHER	25	1	*	35	3	*	*	*	64
66. PACIFIC BONITO	*	*	*	*	*	*	*	*	*
67. PACIFIC MACKEREL	4	*	*	*	1	4	*	*	9
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	*	*	*	*	2	*	*	*	2
71. PACIFIC SANDDAB	*	0	*	*	1	*	*	*	1
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
73. FLATFISHES, OTHER	18	1	*	5	14	1	*	*	39
74. SALMONIDS	*	*	*	*	2	*	*	*	2
75. OTHER FISH	8	1	*	1	22	1	*	*	32
TOTAL	162	12	0	114	276	89	0	0	653

TABLE 37. ESTIMATED THOUSANDS OF FISH CAUGHT (CATCH TYPE B4) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BREAKWATER	BRIDGE & BEACH CAUSEWAY	BANK HOOK & LINE	P/R BOAT	CPFV	BEACH BANK NET	SPEAR	ALL MODES
02. SPINY DOGFISH	*	*	*	*	0	1	*	*	1
03. SHARK, OTHER	1	*	*	0	3	0	*	*	3
12. PACIFIC HAKE	*	*	*	*	*	0	*	*	0
14. JACKSMILT	11	*	*	4	3	*	*	*	17
15. BLACK ROCKFISH	*	*	*	*	*	*	*	*	*
16. BLUE ROCKFISH	*	*	*	*	13	0	*	*	13
17. BROWN ROCKFISH	*	*	*	*	0	*	*	*	0
18. BOCACCIO	18	*	*	*	*	0	*	*	18
19. CANARY ROCKFISH	*	*	*	*	*	0	*	*	0
20. CHILIPEPPER ROCKFISH	*	*	*	*	*	0	*	*	0
21. COPPER ROCKFISH	*	*	*	*	*	*	*	*	*
22. GOPHER ROCKFISH	*	*	*	0	2	0	*	*	2
23. GREENSPOTTED ROCKFISH	*	*	*	*	*	*	*	*	*
24. GREENSTRIPED ROCKFISH	*	*	*	*	*	*	*	*	*
25. OLIVE ROCKFISH	*	*	*	*	1	*	*	*	1
27. ROSY ROCKFISH	*	*	*	*	*	0	*	*	0
28. STARRY ROCKFISH	*	*	*	*	*	0	*	*	0
29. VERMILION ROCKFISH	*	*	*	*	*	*	*	*	*
30. WIDOW ROCKFISH	*	*	*	*	*	*	*	*	*
31. YELLOWTAIL ROCKFISH	*	*	*	*	0	0	*	*	0
33. ROCKFISHES, OTHER	*	*	*	1	16	9	*	*	26
34. KELP GREENLING	*	*	*	0	*	*	*	*	0
35. LINGCOD	1	*	*	*	15	2	*	*	18
37. SABLEFISH	2	*	*	*	*	0	*	*	0
38. CABEZON	2	*	*	3	0	*	*	*	6
39. PAC. STAGHORN SCULPIN	34	*	*	1	0	*	*	*	35
40. SCULPINS, OTHER	0	*	*	*	*	*	*	*	0
41. BARRED SAND BASS	*	*	*	*	0	*	*	*	0
42. SPOTTED SAND BASS	*	*	*	*	0	*	*	*	0
43. KELP BASS	*	*	*	0	*	*	*	*	0
48. WHITE CROAKER	37	*	*	0	66	0	*	*	104
49. CLEENFISH	22	*	*	*	*	*	*	*	22
50. CROAKERS, OTHER	*	*	*	*	*	*	*	*	*
51. OPAL EYE	*	*	*	*	*	*	*	*	*
53. BARRED SURFPERCH	9	*	*	14	*	*	*	*	22
54. BLACK PERCH	*	*	*	*	*	*	*	*	*
55. PILE PERCH	*	*	*	*	*	*	*	*	*
58. SHINER PERCH	*	*	*	0	*	*	*	*	0
59. SILVER SURFPERCH	3	*	*	0	*	*	*	*	4
60. STRIPED SEAPERCH	*	*	*	*	*	*	*	*	*
61. WALLEYE SURFPERCH	2	*	*	0	*	*	*	*	2
62. WHITE SEAPERCH	*	*	*	*	*	*	*	*	*
63. SURFPERCHES, OTHER	60	*	*	2	*	*	*	*	62
65. PACIFIC BARRAQUA	*	*	*	*	11	*	*	*	11
67. PACIFIC MACKEREL	*	*	*	*	7	0	*	*	7
68. TUNAS	*	*	*	*	*	*	*	*	*
69. STARRY FLOUNDER	*	*	*	*	*	*	*	*	*
70. CALIFORNIA HALIBUT	2	*	*	*	14	*	*	*	17
71. PACIFIC SANDDAB	*	*	*	*	1	*	*	*	1
72. ROCK SOLE	*	*	*	*	*	*	*	*	*
74. SALMONIDS	*	*	*	*	2	*	*	*	2
75. OTHER FISH	8	*	*	0	9	0	*	*	18
TOTAL	209	0	0	27	165	13	0	0	414

TABLE 38. ESTIMATED THOUSANDS OF FISH CAUGHT BY TYPE, WAVE, AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

	COASTAL COUNTY DISTRICT	CATCH TYPE A	CATCH TYPE B3	CATCH TYPE B4	TOTAL
JAN/FEB	DEL NORTE/HUMBOLDT	18	1	6	25
	MENDOCINO/SONOMA	18	0	12	31
	S. F. OCEAN	76	4	25	105
	S. F. BAY	63	3	230	296
	SANTA CRUZ/MONTEREY	61	5	20	86
	SAN LUIS OBISPO	140	29	24	192
	TOTAL	376	41	315	733
MAR/APR	DEL NORTE/HUMBOLDT	4	1	4	9
	MENDOCINO/SONOMA	61	1	7	69
	S. F. OCEAN	245	6	7	258
	S. F. BAY	558	15	155	728
	SANTA CRUZ/MONTEREY	87	8	21	116
	SAN LUIS OBISPO	82	15	34	131
	TOTAL	1,037	47	229	1,312
MAY/JUN	DEL NORTE/HUMBOLDT	115	16	27	159
	MENDOCINO/SONOMA	58	13	12	83
	S. F. OCEAN	65	0	10	75
	S. F. BAY	106	44	422	572
	SANTA CRUZ/MONTEREY	637	62	201	900
	SAN LUIS OBISPO	159	72	82	312
	TOTAL	1,139	208	753	2,100
JUL/AUG	DEL NORTE/HUMBOLDT	138	32	28	197
	MENDOCINO/SONOMA	106	8	4	117
	S. F. OCEAN	198	31	37	266
	S. F. BAY	71	33	319	424
	SANTA CRUZ/MONTEREY	613	93	237	942
	SAN LUIS OBISPO	454	71	203	728
	TOTAL	1,579	267	828	2,674
SEP/OCT	DEL NORTE/HUMBOLDT	69	6	9	84
	MENDOCINO/SONOMA	224	3	40	267
	S. F. OCEAN	156	3	11	171
	S. F. BAY	31	53	502	587
	SANTA CRUZ/MONTEREY	539	162	151	852
	SAN LUIS OBISPO	48	8	26	82
	TOTAL	1,068	235	739	2,042
NOV/DEC	DEL NORTE/HUMBOLDT	1	83	54	138
	MENDOCINO/SONOMA	35	1	0	37
	S. F. OCEAN	17	1	3	21
	S. F. BAY	47	102	659	807
	SANTA CRUZ/MONTEREY	219	104	23	346
	SAN LUIS OBISPO	58	8	46	111
	TOTAL	376	298	785	1,460
	GRAND TOTAL	5,576	1,097	3,649	10,322

TABLE 39. ESTIMATED THOUSANDS OF PARTICIPANTS IN MARINE RECREATIONAL FISHING BY COASTAL COUNTY DISTRICT FOR NORTHERN AND CENTRAL CALIFORNIA, JAN 1986---DEC 1986.

COASTAL COUNTY DISTRICT	COASTAL PARTICIPANTS	NON-COASTAL PARTICIPANTS	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	33	12	10	55
STD ERR	18	17	27	57
MENDOCINO/SONOMA (NON-BOAT MODES)	22	*	*	22
STD ERR	28	*	*	28
MENDOCINO (BOAT MODES)	2	1	*	4
STD ERR	3	1	*	3
SONOMA (BOAT MODES)	7	2	*	9
STD ERR	11	2	*	11
SAN FRANCISCO	241	11	12	264
STD ERR	374	12	12	374
SANTA CRUZ/MONTEREY	109	26	12	148
STD ERR	142	22	12	145
SAN LUIS OBISPO	31	46	50	127
STD ERR	46	45	51	82
TOTAL	445	98		
STD ERR	404	54		

TABLE 40. ESTIMATED THOUSANDS OF FISHING TRIPS BY COASTAL COUNTY DISTRICT, JAN 1986---DEC 1986.

COASTAL COUNTY DISTRICT	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	154	28	24	206
STD ERR	193	48	102	224
MENDOCINO/SONOMA (NON-BOAT MODES)	103	38	6	147
STD ERR	26	25	12	38
MENDOCINO (BOAT MODES)	14	12	1	27
STD ERR	7	10	4	13
SONOMA (BOAT MODES)	46	6	2	54
STD ERR	0	6	1	6
SAN FRANCISCO	1,270	23	24	1,317
STD ERR	125	25	24	130
SANTA CRUZ/MONTEREY	378	38	16	432
STD ERR	80	30	15	87
SAN LUIS OBISPO	140	113	121	375
STD ERR	60	104	133	179
TOTAL	2,105	258	194	2,558
STD ERR	252	124	171	329

TABLE 41. ESTIMATED THOUSANDS OF FISHING TRIPS BY MODE AND COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	MODE	TRIPS BY COASTAL RESIDENTS	TRIPS BY NON-COASTAL RESIDENTS	TRIPS BY OUT OF STATE RESIDENTS	ALL TRIPS
DEL NORTE/HUMBOLDT	PIER & DOCK	11	1	2	13
	STD ERR	25	10	20	54
	JETTY & BREAKWATER	10	2	0	12
	STD ERR	8	5	3	10
	BRIDGE & CAUSEWAY	5	0	0	5
	STD ERR	8	4	0	9
	B/B - H & L	31	6	2	39
	STD ERR	16	11	7	25
	P/R BOAT	97	19	19	135
	STD ERR	190	46	100	220
	CPFV	0	*	0	0
	STD ERR	0	*	0	0
SPEAR	1	*	0	1	
STD ERR	2	*	0	2	
TOTAL		154	28	24	206
	STD ERR	193	48	102	224
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	16	3	0	18
	STD ERR	8	7	0	10
	JETTY & BREAKWATER	9	4	1	13
	STD ERR	6	6	3	9
	B/B - H & L	66	27	6	99
	STD ERR	23	22	11	34
	SPEAR	13	4	0	17
STD ERR	5	5	*	7	
TOTAL		103	38	6	147
	STD ERR	28	21	12	38
MENDOCINO (BOAT MODES)	P/R BOAT	8	3	0	11
	STD ERR	5	5	2	8
	CPFV	6	9	1	16
	STD ERR	4	9	4	11
TOTAL		14	12	1	27
	STD ERR	7	10	4	13
SONOMA (BOAT MODES)	P/R BOAT	36	6	1	44
	STD ERR	0	6	1	6
	CPFV	10	0	0	10
	STD ERR	0	0	0	0
TOTAL		46	6	2	54
	STD ERR	0	6	1	6
SAN FRANCISCO	PIER & DOCK	288	2	2	292
	STD ERR	57	4	6	68
	JETTY & BREAKWATER	24	*	1	25
	STD ERR	8	*	1	8
	B/B - H & L	352	8	8	368
	STD ERR	62	16	16	66
	P/R BOAT	526	9	6	532
	STD ERR	91	18	15	98
	CPFV	79	4	6	89
	STD ERR	13	5	6	15
TOTAL		1,270	23	24	1,317
	STD ERR	125	25	24	130

(CONTINUED)

TABLE 41. (CONTINUED)

SANTA CRUZ/MONTEREY	PIER & DOCK	80	5	3	88
	STD ERR	29	11	6	32
	JETTY & BREAKWATER	6	0	0	6
	STD ERR	4	1	1	4
	B/B - H & L	93	2	2	97
	STD ERR	31	4	7	32
	P/R BOAT	118	6	1	125
	STD ERR	62	15	5	64
	CPFV	68	20	10	103
	STD ERR	27	23	12	37
SPEAR		13	*	0	13
	STD ERR	5	*	0	5
TOTAL		378	38	16	432
	STD ERR	80	30	15	87
SAN LUIS OBISPO	PIER & DOCK	54	61	48	162
	STD ERR	40	92	114	152
	JETTY & BREAKWATER	1	*	0	1
	STD ERR	1	*	0	1
	B/B - H & L	35	17	10	62
	STD ERR	32	32	28	53
	P/R BOAT	41	18	35	93
	STD ERR	30	30	49	66
	CPFV	11	17	29	57
	STD ERR	8	19	41	46
TOTAL		140	113	121	375
	STD ERR	60	104	133	179
GRAND TOTAL		2,105	258	194	2,558
	STD ERR	252	124	171	329

TABLE 42. ESTIMATES FROM INTERCEPT SURVEY DATA OF MEAN NUMBER OF HOURS FISHED BY COASTAL COUNTY DISTRICT AND MODE, JAN 1986--DEC 1986.

MODE	COASTAL COUNTY DISTRICT	MEAN	MEDIAN	STD DEV
PIER & DOCK	DEL NORTE/HUMBOLDT	2.7	3.0	1.640
	MENDOCINO/SONOMA	2.6	2.5	1.457
	SAN FRANCISCO	3.4	3.0	1.930
	SANTA CRUZ/MONTEREY	3.7	3.0	2.399
	SAN LUIS OBISPO	2.5	2.0	1.483
JETTY & BREAKWATER	DEL NORTE/HUMBOLDT	3.0	3.0	1.702
	MENDOCINO/SONOMA	3.0	2.5	1.908
	SAN FRANCISCO	3.0	2.5	2.370
	SANTA CRUZ/MONTEREY	3.0	2.5	1.935
	SAN LUIS OBISPO	2.0	2.0	*
BRIDGE & CAUSEWAY	DEL NORTE/HUMBOLDT	2.1	2.0	1.341
	SAN LUIS OBISPO	2.0	1.5	1.639
B/B - H & L	DEL NORTE/HUMBOLDT	2.5	2.0	1.576
	MENDOCINO/SONOMA	2.8	2.5	1.695
	SAN FRANCISCO	3.0	2.5	1.739
	SANTA CRUZ/MONTEREY	3.6	3.5	2.031
	SAN LUIS OBISPO	2.3	2.0	1.496
P/R BOAT	DEL NORTE/HUMBOLDT	3.3	3.0	1.834
	MENDOCINO (BOAT MODES)	3.7	4.0	1.678
	SONOMA (BOAT MODES)	4.0	4.0	1.596
	SAN FRANCISCO	5.0	5.0	2.119
	SANTA CRUZ/MONTEREY	4.3	4.0	1.964
	SAN LUIS OBISPO	4.3	4.0	1.821
CPFV	DEL NORTE/HUMBOLDT	0.5	0.5	*
	MENDOCINO (BOAT MODES)	3.9	4.0	0.519
	SONOMA (BOAT MODES)	4.0	4.0	0.890
	SAN FRANCISCO	5.1	5.0	1.398
	SANTA CRUZ/MONTEREY	4.3	4.0	1.533
	SAN LUIS OBISPO	3.4	3.0	1.993
B/B - NET	DEL NORTE/HUMBOLDT	1.7	2.0	0.963
	MENDOCINO/SONOMA	2.1	1.5	1.548
SPEAR	DEL NORTE/HUMBOLDT	0.9	0.8	0.443
	MENDOCINO/SONOMA	0.9	0.5	0.580
	SANTA CRUZ/MONTEREY	1.0	1.0	0.602
	SAN LUIS OBISPO	1.0	1.0	0.000

TABLE 43. TABULATION OF PRIMARY GROUP SOUGHT BY COASTAL COUNTY DISTRICT, JAN 1986--DEC 1986.

DEL NORTE/HUMBOLDT			SAN FRANCISCO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	477	25.95	75. OTHER FISH	1043	27.81
75. OTHER FISH	389	21.16	04. STURGEONS	724	19.31
63. SURFPERCHES, OTHER	297	16.16	NONE	635	16.93
35. LINGOOD	175	9.52	63. SURFPERCHES, OTHER	448	11.95
33. ROCKFISHES, OTHER	133	7.24	33. ROCKFISHES, OTHER	407	10.85
74. SALMONIDS	115	6.26	03. SHARK, OTHER	157	4.19
56. REDTAIL SURFPERCH	82	4.46	14. JACKSMELT	80	2.13
15. BLACK ROCKFISH	43	2.34	70. CALIFORNIA HALIBUT	80	2.13
36. GREENLINGS, OTHER	40	2.18	48. WHITE CROAKER	73	1.95
07. SURF SMELT	22	1.20	69. STARRY FLUNDER	22	0.59
38. CABEZON	18	0.98	01. LEOPARD SHARK	12	0.32
03. SHARK, OTHER	17	0.92	35. LINGOOD	12	0.32
14. JACKSMELT	13	0.71	39. PAC. STAGHORN SOULPIN	12	0.32
60. STRIPED SEAPERCH	6	0.33	58. SHINER PERCH	11	0.29
34. KELP GREENLING	5	0.27	38. CABEZON	6	0.16
MENDOCINO/SONOMA			SANTA CRUZ/MONTEREY		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
NONE	627	54.76	NONE	914	47.19
05. PACIFIC HERRING	104	9.08	33. ROCKFISHES, OTHER	393	20.29
63. SURFPERCHES, OTHER	91	7.95	63. SURFPERCHES, OTHER	226	11.67
75. OTHER FISH	79	6.90	35. LINGOOD	114	5.89
07. SURF SMELT	73	6.38	75. OTHER FISH	80	4.13
35. LINGOOD	69	6.03	48. WHITE CROAKER	53	2.74
38. CABEZON	29	2.53	70. CALIFORNIA HALIBUT	38	1.96
33. ROCKFISHES, OTHER	27	2.36	68. TUNAS	37	1.91
58. SHINER PERCH	8	0.70	74. SALMONIDS	26	1.34
70. CALIFORNIA HALIBUT	8	0.70	03. SHARK, OTHER	22	1.14
14. JACKSMELT	7	0.61	73. FLATFISHES, OTHER	9	0.46
56. REDTAIL SURFPERCH	7	0.61	67. PACIFIC MACKEREL	8	0.41
74. SALMONIDS	6	0.52	71. PACIFIC SANDDAB	5	0.26
08. SMELTS, OTHER	3	0.26	53. BARRED SURFPERCH	3	0.15
16. BLUE ROCKFISH	3	0.26	38. CABEZON	2	0.10
MENDOCINO (BOAT MODES)			SAN LUIS OBISPO		
SOUGHT	COUNT	PERCENT	SOUGHT	COUNT	PERCENT
75. OTHER FISH	456	86.20	NONE	1163	63.31
74. SALMONIDS	33	6.24	75. OTHER FISH	234	12.74
35. LINGOOD	25	4.73	63. SURFPERCHES, OTHER	117	6.37
NONE	8	1.51	68. TUNAS	96	5.23
63. SURFPERCHES, OTHER	4	0.76	70. CALIFORNIA HALIBUT	72	3.92
71. PACIFIC SANDDAB	2	0.38	33. ROCKFISHES, OTHER	61	3.32
33. ROCKFISHES, OTHER	1	0.19	35. LINGOOD	49	2.67
SONOMA (BOAT MODES)			53. BARRED SURFPERCH	19	1.03
SOUGHT	COUNT	PERCENT	03. SHARK, OTHER	6	0.33
33. ROCKFISHES, OTHER	195	82.63	43. KELP BASS	6	0.33
75. OTHER FISH	16	6.78	38. CABEZON	4	0.22
35. LINGOOD	13	5.51	67. PACIFIC MACKEREL	4	0.22
NONE	10	4.24	74. SALMONIDS	3	0.16
34. KELP GREENLING	2	0.85	18. BOACCIO	1	0.05
			31. YELLOWTAIL ROCKFISH	1	0.05

TABLE 44. FREQUENCY DISTRIBUTION OF NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT AND MODE, JAN 1986--DEC 1986. THE TOP NUMBER IN EACH CELL IS THE NUMBER OF FISHERS IN EACH CATCH SIZE, AND THE BOTTOM NUMBER IS THE PERCENTAGE OF THE DISTRICT TOTAL.

PIER & DOCK											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	10-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	111 62.01	11 6.15	11 6.15	6 3.35	9 5.03	16 8.94	8 4.47	4 2.23	1 0.56	2 1.12	179
MENDOCINO/ SONOMA	67 39.18	8 4.68	6 3.51	14 8.19	8 4.68	31 18.13	6 3.51	18 10.53	4 2.34	9 5.26	171
SAN FRANCISCO	418 47.88	95 10.88	87 9.97	76 8.71	60 6.87	81 9.28	28 3.21	10 1.15	0 0.00	18 2.06	873
SANTA CRUZ/ MONTEREY	127 51.63	23 9.35	22 8.94	13 5.28	19 7.72	24 9.76	6 2.44	9 3.66	0 0.00	3 1.22	246
SAN LUIS OBISPO	192 46.60	60 14.56	29 7.04	16 3.88	44 10.68	37 8.98	18 4.37	8 1.94	3 0.73	5 1.21	412
TOTAL	915	197	155	125	140	189	66	49	8	37	1881

JETTY & BREAKWATER											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	10-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	329 55.02	66 11.04	62 10.37	36 6.02	58 9.70	26 4.35	11 1.84	4 0.67	1 0.17	5 0.84	598
MENDOCINO/ SONOMA	348 79.45	42 9.59	19 4.34	4 0.91	8 1.83	9 2.05	1 0.23	0 0.00	0 0.00	7 1.60	438
SAN FRANCISCO	44 51.16	12 13.95	5 5.81	8 9.30	8 9.30	4 4.65	4 4.65	0 0.00	0 0.00	1 1.16	86
SANTA CRUZ/ MONTEREY	41 50.62	13 16.05	3 3.70	8 9.88	5 6.17	4 4.94	4 4.94	0 0.00	3 3.70	0 0.00	81
SAN LUIS OBISPO	2 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
TOTAL	764	133	89	56	79	43	20	4	4	13	1205

BRIDGE & CAUSEWAY							
NUMBER CAUGHT	0	1	2	6-10	11-15	TOTAL	
DEL NORTE/ HUMBOLDT	12 57.14	2 9.52	4 19.05	2 9.52	1 4.76	21	
SAN LUIS OBISPO	12 48.00	5 20.00	3 12.00	5 20.00	0 0.00	25	
TOTAL	24	7	7	7	1	46	

BEACH/BANK - HOOK & LINE											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	10-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	314 58.80	60 11.24	41 7.68	38 7.12	35 6.55	31 5.81	9 1.69	3 0.56	1 0.19	2 0.37	534
MENDOCINO/ SONOMA	225 69.44	40 12.35	25 7.72	12 3.70	17 5.25	5 1.54	0 0.00	0 0.00	0 0.00	0 0.00	324
SAN FRANCISCO	476 63.05	77 10.20	68 9.01	54 7.15	44 5.83	24 3.18	6 0.79	1 0.13	3 0.40	2 0.26	755
SANTA CRUZ/ MONTEREY	150 39.58	41 10.82	33 8.71	32 8.44	52 13.72	42 11.08	10 2.64	12 3.17	4 1.06	3 0.79	379
SAN LUIS OBISPO	179 54.08	48 14.50	31 9.37	13 3.93	14 4.23	31 9.37	9 2.72	4 1.21	2 0.60	0 0.00	331
TOTAL	1344	266	198	149	162	133	34	20	10	7	2323

(CONTINUED)

TABLE 44. (CONTINUED)

BEACH/BANK - NET										
NUMBER CAUGHT	0	1	3	4-5	6-10	11-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	4 20.00	0 0.00	0 0.00	1 5.00	0 0.00	0 0.00	0 0.00	0 0.00	15 75.00	20
MENDOCINO/ SONOMA	23 34.85	1 1.52	1 1.52	12 18.18	9 13.64	3 4.55	0 0.00	1 1.52	16 24.24	66
TOTAL	27	1	1	13	9	3	0	1	31	86

P/R BOAT											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	10-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	150 31.51	35 7.35	41 8.61	52 10.92	53 11.13	83 17.44	42 8.82	13 2.73	1 0.21	6 1.26	476
MENDOCINO (BOAT MODES)	116 25.95	24 5.37	43 9.42	61 13.65	89 19.91	84 18.79	28 6.26	2 0.45	0 0.00	0 0.00	447
SONOMA (BOAT MODES)	15 17.86	9 10.71	4 4.76	4 4.76	20 23.81	24 28.57	3 3.57	3 3.57	2 2.38	0 0.00	84
SAN FRANCISCO	527 34.72	262 15.94	191 12.58	133 8.76	155 10.21	182 11.99	43 2.83	28 1.84	9 0.59	8 0.53	1518
SANTA CRUZ/ MONTEREY	89 14.74	61 10.10	35 5.79	39 6.46	101 16.72	135 22.35	61 10.10	27 4.47	19 3.15	37 6.13	604
SAN LUIS OBISPO	101 16.95	50 8.39	62 10.40	53 8.89	75 12.58	145 24.33	59 9.90	35 5.87	13 2.18	3 0.50	596
TOTAL	998	421	376	342	493	653	236	108	44	54	3725

CPFV											
NUMBER CAUGHT	0	1	2	3	4-5	6-10	10-15	16-20	21-25	OVER 25	TOTAL
DEL NORTE/ HUMBOLDT	1 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1
MENDOCINO (BOAT MODES)	18 23.08	4 5.13	5 6.41	11 14.10	15 19.23	16 20.51	8 10.26	1 1.28	0 0.00	0 0.00	78
SONOMA (BOAT MODES)	7 4.64	3 1.99	4 2.65	7 4.64	12 7.95	29 19.21	77 50.99	11 7.28	0 0.00	1 0.66	151
SAN FRANCISCO	20.92	09 9.21	48 5.18	27 4.61	24 9.98	52 22.07	15 20.73	08 4.99	26 1.54	8 0.77	4 521
SANTA CRUZ/ MONTEREY	11 1.84	8 1.34	17 2.84	5 0.84	31 5.18	129 21.57	164 27.42	124 20.74	61 10.20	48 8.03	598
SAN LUIS OBISPO	16 3.40	23 4.89	25 5.32	40 8.51	79 16.81	121 25.74	111 23.62	37 7.87	12 2.55	6 1.28	470
TOTAL	162	86	78	87	189	410	468	199	81	59	1819

SPEAR								
NUMBER CAUGHT	0	1	2	3	4-5	6-10	11-15	TOTAL
DEL NORTE/ HUMBOLDT	5 62.50	1 12.50	0 0.00	1 12.50	1 12.50	0 0.00	0 0.00	8
MENDOCINO/ SONOMA	52 35.37	21 14.29	26 17.69	23 15.65	14 9.52	9 6.12	2 1.36	147
SANTA CRUZ/ MONTEREY	17 39.53	9 20.95	0 0.00	5 11.63	5 11.63	5 11.63	2 4.65	43
SAN LUIS OBISPO	1 50.00	1 50.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2
TOTAL	75	32	26	29	20	14	4	200

TABLE 45. AVERAGE NUMBER OF FISH CAUGHT PER TRIP BY COASTAL COUNTY DISTRICT FOR EACH MODE, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	MODE	MEAN CATCH
DEL NORTE/HUMBOLDT	PIER & DOCK	2.5
	JETTY & BREAKWATER	2.6
	BRIDGE & CAUSEWAY	2.0
	B/B - H & L	1.7
	P/R BOAT	4.4
	CPFV	0.0
	B/B - NET SPEAR	117 1.1
MENDOCINO/SONOMA (NON-BOAT MODES)	PIER & DOCK	6.5
	JETTY & BREAKWATER	3.3
	B/B - H & L	0.7
	B/B - NET	48.8
	SPEAR	1.9
MENDOCINO (BOAT MODES)	P/R BOAT	3.6
	CPFV	4.5
SONOMA (BOAT MODES)	P/R BOAT	5.0
	CPFV	10.8
SAN FRANCISCO	PIER & DOCK	3.2
	JETTY & BREAKWATER	2.4
	B/B - H & L	2.0
	P/R BOAT	3.6
	CPFV	6.7
	B/B - NET	0.0
SANTA CRUZ/MONTEREY	PIER & DOCK	3.0
	JETTY & BREAKWATER	2.8
	B/B - H & L	3.4
	P/R BOAT	8.8
	CPFV	14.1
	SPEAR	2.4
SAN LUIS OBISPO	PIER & DOCK	3.1
	JETTY & BREAKWATER	0.0
	BRIDGE & CAUSEWAY	1.9
	B/B - H & L	2.0
	P/R BOAT	5.8
	CPFV	8.5
	SPEAR	0.5

TABLE 46. TABULATION OF LOCATION OF RESIDENCE OF FISHERS BY COASTAL COUNTY DISTRICT OF INTERCEPT SURVEY INTERVIEW, JAN 1986--DEC 1986.

COASTAL COUNTY DISTRICT	COASTAL AREA	REST OF STATE	OUT OF STATE	TOTAL
DEL NORTE/HUMBOLDT	76.2	19.9	3.9	1838
MENDOCINO/SONOMA (NON-BOAT MODES)	74.6	23.8	1.6	1145
MENDOCINO (BOAT MODES)	65.6	31.9	2.5	529
SONOMA (BOAT MODES)	90.7	5.9	3.4	236
SAN FRANCISCO	95.9	2.4	1.7	3750
SANTA CRUZ/MONTEREY	85.7	10.1	4.2	1937
SAN LUIS OBISPO	37.6	59.2	3.2	1837
TOTAL	8761	2197	314	11272

TABLE 47. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, DEL NORTE/HUMBOLDT, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	13	*	*	*	13
3 SHARK, OTHER	*	2	3	*	*	5
5 PACIFIC HERRING	0	1	0	0	*	2
7 SURF SMELT	*	*	*	*	*	*
12 PACIFIC HAKE	*	*	*	*	*	*
14 JACKSMELT	1	0	0	*	*	1
15 BLACK ROCKFISH	0	1	0	176	*	177
16 BLUE ROCKFISH	*	0	0	8	*	8
17 BROWN ROCKFISH	*	0	*	2	*	2
18 BOCACCIO	*	*	*	1	*	1
19 CANARY ROCKFISH	*	*	*	17	*	17
21 COPPER ROCKFISH	*	0	*	14	*	14
24 GREENSTRIPED ROCKFISH	*	*	*	1	*	1
26 GULLBACK ROCKFISH	*	*	*	4	*	4
27 ROSY ROCKFISH	*	*	*	0	*	0
29 VERMILION ROCKFISH	*	*	*	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	7	*	7
33 ROCKFISHES, OTHER	*	1	0	114	*	115
34 KELP GREENLING	0	1	0	2	*	4
35 LINGCOD	*	2	*	126	*	128
36 GREENLINGS, OTHER	0	1	0	2	*	3
38 CABEZON	0	1	0	8	*	10
39 PAC. STAGHORN SCULPIN	0	0	*	*	*	0
40 SCULPINS, OTHER	0	0	0	0	*	0
53 BARRED SURFPERCH	*	*	0	*	*	0
55 PILE PERCH	0	0	0	*	*	1
56 REDTAIL SURFPERCH	0	0	7	0	*	8
58 SHINER PERCH	0	*	*	*	*	0
59 SILVER SURFPERCH	0	0	0	*	*	1
60 STRIPED SEAPERCH	0	1	22	*	*	23
61 WALLEYE SURFPERCH	1	0	0	0	*	1
62 WHITE SEAPERCH	0	0	0	*	*	0
63 SURFPERCHES, OTHER	1	0	1	*	*	1
69 STARRY FLOUNDER	0	0	*	1	*	1
71 PACIFIC SANDDAB	*	*	*	0	*	0
73 FLATFISHES, OTHER	0	*	0	0	*	1
74 SALMONIDS	*	*	1	3	*	5
75 OTHER FISH	*	1	0	*	*	1
TOTAL	4	26	38	489	0	557

TABLE 48. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO/SONOMA (NON-BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
5 PACIFIC HERRING	4	*	*	*	*	*	4
7 SURF SMELT	*	*	*	*	*	*	*
14 JACKSMELT	0	*	*	*	*	*	0
15 BLACK ROCKFISH	*	0	*	*	*	9	9
16 BLUE ROCKFISH	*	*	2	*	*	6	8
19 CANARY ROCKFISH	*	*	*	*	*	0	0
21 COPPER ROCKFISH	*	*	1	*	*	*	1
22 GOPHER ROCKFISH	*	*	*	*	*	0	0
29 VERMILION ROCKFISH	*	*	2	*	*	*	2
31 YELLOWTAIL ROCKFISH	*	*	*	*	*	0	0
33 ROCKFISHES, OTHER	*	0	1	*	*	1	2
34 KELP GREENLING	*	0	3	*	*	1	4
35 LINGCOD	*	1	4	*	*	6	10
36 GREENLINGS, OTHER	1	0	7	*	*	2	10
38 CABEZON	1	1	14	*	*	4	20
39 PAC. STAGHORN SCULPIN	0	0	*	*	*	0	0
40 SCULPINS, OTHER	*	0	*	*	*	*	0
53 BARRED SURFPERCH	*	*	0	*	*	*	0
55 PILE PERCH	*	0	*	*	*	1	1
56 REDTAIL SURFPERCH	*	*	2	*	*	*	2
57 RUBBERLIP SEAPERCH	*	0	1	*	*	0	1
58 SHINER PERCH	1	*	0	*	*	*	1
59 SILVER SURFPERCH	*	0	0	*	*	*	0
60 STRIPED SEAPERCH	*	1	1	*	*	1	2
61 WALLEYE SURFPERCH	*	*	0	*	*	*	0
62 WHITE SEAPERCH	0	0	0	*	*	*	1
63 SURFPERCHES, OTHER	*	0	1	*	*	0	2
69 STARRY FLOUNDER	*	2	0	*	*	*	2
71 PACIFIC SANDDAB	*	0	*	*	*	*	0
73 FLATFISHES, OTHER	*	0	*	*	*	*	0
74 SALMONIDS	0	1	2	*	*	*	4
75 OTHER FISH	*	0	*	*	*	*	0
TOTAL	6	8	41	0	0	33	88

TABLE 49. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, MENDOCINO (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	1	*	*	1
15 BLACK ROCKFISH	*	*	*	4	14	*	17
16 BLUE ROCKFISH	*	*	*	2	*	*	6
17 BROWN ROCKFISH	*	*	*	1	*	*	1
18 BOCACCIO	*	*	*	0	1	*	1
19 CANARY ROCKFISH	*	*	*	5	7	*	12
20 CHILIPEPPER ROCKFISH	*	*	*	0	*	*	0
21 COPPER ROCKFISH	*	*	*	5	8	*	13
23 GREENSPOTTED ROCKFISH	*	*	*	1	1	*	1
24 GREENSTRIPED ROCKFISH	*	*	*	0	0	*	0
26 QUILLBACK ROCKFISH	*	*	*	1	0	*	1
27 ROSY ROCKFISH	*	*	*	1	1	*	2
29 VERMILION ROCKFISH	*	*	*	2	1	*	3
31 YELLOWTAIL ROCKFISH	*	*	*	1	6	*	7
33 ROCKFISHES, OTHER	*	*	*	4	14	*	18
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGOOD	*	*	*	12	19	*	31
36 GREENLINGS, OTHER	*	*	*	0	*	*	0
38 CABEZON	*	*	*	1	*	*	1
40 SCULPINS, OTHER	*	*	*	1	*	*	1
44 STRIPED BASS	*	*	*	1	*	*	1
60 STRIPED SEAPERCH	*	*	*	0	*	*	0
63 SLURPERCHES, OTHER	*	*	*	0	*	*	0
69 STARRY FLOUNDER	*	*	*	1	*	*	1
71 PACIFIC SANDDAB	*	*	*	1	0	*	1
72 ROCK SOLE	*	*	*	0	1	*	1
73 FLATFISHES, OTHER	*	*	*	0	0	*	0
74 SALMONIDS	*	*	*	2	9	*	11
75 OTHER FISH	*	*	*	6	*	*	6
TOTAL	0	0	0	52	87	0	139

TABLE 50. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SONOMA (BOAT MODES), JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*	*
15 BLACK ROCKFISH	*	*	*	16	0	*	16
16 BLUE ROCKFISH	*	*	*	1	0	*	1
17 BROWN ROCKFISH	*	*	*	14	1	*	14
18 BOCACCIO	*	*	*	2	7	*	10
19 CANARY ROCKFISH	*	*	*	18	5	*	23
20 CHILIPEPPER ROCKFISH	*	*	*	*	84	*	84
21 COPPER ROCKFISH	*	*	*	15	0	*	16
22 GOPHER ROCKFISH	*	*	*	1	*	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	7	5	*	12
24 GREENSTRIPED ROCKFISH	*	*	*	0	0	*	1
25 OLIVE ROCKFISH	*	*	*	0	1	*	1
26 QUILLBACK ROCKFISH	*	*	*	1	*	*	1
27 ROSY ROCKFISH	*	*	*	0	0	*	1
28 STARRY ROCKFISH	*	*	*	1	2	*	3
29 VERMILION ROCKFISH	*	*	*	8	1	*	9
30 WIDOW ROCKFISH	*	*	*	1	1	*	1
31 YELLOWTAIL ROCKFISH	*	*	*	4	28	*	32
33 ROCKFISHES, OTHER	*	*	*	3	12	*	14
34 KELP GREENLING	*	*	*	1	*	*	1
35 LINGOOD	*	*	*	19	3	*	22
36 GREENLINGS, OTHER	*	*	*	*	*	*	*
38 CABEZON	*	*	*	11	*	*	11
40 SCULPINS, OTHER	*	*	*	*	*	*	*
70 CALIFORNIA HALIBUT	*	*	*	*	*	*	*
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
73 FLATFISHES, OTHER	*	*	*	1	0	*	1
75 OTHER FISH	*	*	*	*	0	*	0
TOTAL	0	0	0	123	152	0	275

TABLE 51. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - OCEAN, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
3 SHARK, OTHER	*	*	*	*	*	*	*
6 NORTHERN ANCHOVY	0	*	0	0	*	*	0
14 JACKSMELT	0	*	*	0	*	*	1
15 BLACK ROCKFISH	*	*	*	1	8	*	9
16 BLUE ROCKFISH	*	0	*	4	34	*	38
17 BROWN ROCKFISH	*	0	*	8	32	*	40
18 BOCACCIO	*	*	*	*	29	*	29
19 CANARY ROCKFISH	*	*	*	2	34	*	36
20 CHILIPEPPER ROCKFISH	*	*	*	*	14	*	14
21 COPPER ROCKFISH	*	*	*	1	17	*	18
22 GOPHER ROCKFISH	*	*	*	0	0	*	1
23 GREENSPOTTED ROCKFISH	*	*	*	*	17	*	17
24 GREENSTRIPED ROCKFISH	*	*	*	*	1	*	1
25 OLIVE ROCKFISH	*	*	*	*	20	*	20
26 QUILLBACK ROCKFISH	*	*	*	*	2	*	2
27 ROSY ROCKFISH	*	*	*	*	9	*	9
28 STARRY ROCKFISH	*	*	*	*	9	*	9
29 VERMILION ROCKFISH	*	*	*	1	3	*	3
30 WIDOW ROCKFISH	*	*	*	*	8	*	8
31 YELLOWTAIL ROCKFISH	*	*	*	*	100	*	100
33 ROCKFISHES, OTHER	*	1	0	13	26	*	41
34 KELP GREENLING	*	*	0	*	3	*	6
35 LINGCOD	*	*	*	22	63	*	84
38 CABEZON	*	0	1	0	13	*	15
39 PAC. STAGHORN SCULPIN	*	0	*	*	*	*	0
44 STRIPED BASS	*	*	11	15	*	*	25
48 WHITE CROAKER	2	0	*	2	*	*	4
53 BARRED SURFPERCH	0	*	1	*	*	*	2
55 PILE PERCH	*	*	55	*	*	*	55
56 REDTAIL SURFPERCH	*	*	0	*	*	*	0
58 SHINER PERCH	*	*	*	*	*	*	*
59 SILVER SURFPERCH	0	*	14	*	*	*	14
60 STRIPED SEAPERCH	*	*	1	*	*	*	1
61 WALLEYE SURFPERCH	0	*	0	*	*	*	0
62 WHITE SEAPERCH	*	0	0	*	*	*	0
63 SURFPERCHES, OTHER	0	0	0	*	*	*	1
67 PACIFIC MACKEREL	*	*	*	*	9	*	9
70 CALIFORNIA HALIBUT	*	*	*	8	3	*	11
71 PACIFIC SANDDAB	*	*	0	*	0	*	0
73 FLATFISHES, OTHER	0	*	*	*	0	*	0
74 SALMONIDS	*	*	4	*	2	*	7
75 OTHER FISH	*	0	0	*	0	*	1
TOTAL	3	3	89	78	455	0	628

TABLE 52. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN FRANCISCO COASTAL COUNTY DISTRICT - BAY, JAN 1986---DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
1 LEOPARD SHARK	2	*	1	209	*	*	212
2 SPINY DOGFISH	*	*	*	5	*	*	5
3 SHARK, OTHER	1	*	*	102	*	*	103
4 STURGEONS	*	*	*	378	13	*	391
6 NORTHERN ANCHOVY	0	*	*	*	*	*	0
10 PACIFIC TOMCOD	*	*	*	*	*	*	*
13 SILVERSIDES	0	*	2	*	*	*	0
14 JACKSMILT	9	0	2	1	*	*	13
15 BLACK ROCKFISH	*	*	*	1	*	*	1
16 BLUE ROCKFISH	*	*	*	0	*	*	0
17 BROWN ROCKFISH	0	*	1	5	*	*	6
19 CANARY ROCKFISH	*	*	*	1	*	*	1
21 COPPER ROCKFISH	*	*	*	1	*	*	1
33 ROCKFISHES, OTHER	0	*	1	0	*	*	1
34 KELP GREENLING	*	*	0	0	*	*	1
35 LINGCOD	0	*	1	2	*	*	2
38 CABEZON	0	*	0	1	*	*	1
39 PAC. STAGHORN SCULPIN	0	*	0	0	*	*	1
40 SCULPINS, OTHER	*	*	*	*	*	*	*
43 KELP BASS	*	*	*	0	*	*	0
44 STRIPED BASS	5	*	2	49	1	*	56
48 WHITE CROAKER	2	*	0	12	*	*	15
50 CROAKERS, OTHER	*	*	*	*	*	*	*
53 BARRED SURFPERCH	0	*	1	0	*	*	1
54 BLACK PERCH	2	0	3	3	*	*	7
55 PILE PERCH	87	*	3	6	*	*	96
57 RUBBERLIP SEAPERCH	1	*	1	80	*	*	82
58 SHINER PERCH	5	0	0	0	*	*	5
59 SILVER SURFPERCH	0	*	*	0	*	*	1
60 STRIPED SEAPERCH	*	*	1	1	*	*	1
61 WALLEYE SURFPERCH	4	1	0	1	*	*	6
62 WHITE SEAPERCH	2	*	1	27	*	*	30
63 SURFPERCHES, OTHER	3	4	3	1	*	*	11
69 STARRY FLOUNDER	4	*	0	10	1	*	14
70 CALIFORNIA HALIBUT	*	*	1	16	*	*	17
71 PACIFIC SANDDAB	*	*	*	0	*	*	0
72 ROCK SOLE	*	*	*	2	*	*	2
73 FLATFISHES, OTHER	*	*	0	2	*	*	2
74 SALMONIDS	*	*	*	1	*	*	1
75 OTHER FISH	52	0	13	92	*	*	157
TOTAL	180	5	36	1009	15	0	1244

TABLE 53. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SANTA CRUZ/MONTEREY, JAN 1986--DEC 1986.

GROUP	PIER & DOCK BREAKWATER	JETTY & BEACH BANK HOOK & LINE	P/R BOAT	CPFV	SPEAR	ALL MODES
1 LEOPARD SHARK	*	*	*	5	*	5
2 SPINY DOGFISH	*	*	*	2	*	4
3 SHARK, OTHER	*	*	*	6	*	7
12 PACIFIC HAKE	*	*	*	6	64	69
14 JACKSMELT	2	*	0	2	*	5
15 BLACK ROCKFISH	0	*	*	5	2	8
16 BLUE ROCKFISH	*	0	*	16	15	31
17 BROWN ROCKFISH	0	0	*	37	10	47
18 BOACCIO	*	*	*	1	119	121
19 CANARY ROCKFISH	*	*	*	4	21	25
20 CHILLIPEPPER ROCKFISH	*	*	*	1	149	150
21 COPPER ROCKFISH	1	*	*	3	13	18
22 GOPHER ROCKFISH	*	*	*	12	3	15
23 GREENSPOTTED ROCKFISH	*	*	*	5	43	48
24 GREENSTRIPED ROCKFISH	*	*	*	0	11	12
25 OLIVE ROCKFISH	*	*	*	6	33	41
27 ROSY ROCKFISH	*	*	*	2	6	8
28 STARRY ROCKFISH	*	*	*	2	8	10
29 VERMILION ROCKFISH	*	*	*	4	12	16
30 WIDOW ROCKFISH	*	*	*	0	5	5
31 YELLOWTAIL ROCKFISH	*	*	*	3	59	63
33 ROCKFISHES, OTHER	0	0	0	45	82	131
34 KELP GREENLING	*	0	0	1	*	2
35 LINGCOD	1	*	*	42	148	210
37 SABLEFISH	*	*	*	1	29	30
38 CABEZON	*	0	1	7	1	13
39 PAC. STAGHORN SCULPIN	1	*	1	0	*	2
40 SCULPINS, OTHER	0	0	*	*	*	0
43 KELP BASS	*	*	*	1	*	1
44 STRIPED BASS	*	*	0	*	*	0
48 WHITE CROAKER	3	0	1	94	0	98
53 BARRED SURFPERCH	0	*	54	0	*	54
54 BLACK PERCH	0	0	1	*	*	1
55 PILE PERCH	1	0	0	0	*	3
57 RUBBERLIP SEAPERCH	*	1	*	0	*	2
58 SHINER PERCH	0	0	0	*	*	0
59 SILVER SURFPERCH	*	*	1	*	*	1
60 STRIPED SEAPERCH	*	0	0	0	*	2
61 WALLEYE SURFPERCH	1	0	1	0	*	2
62 WHITE SEAPERCH	1	0	0	*	*	1
63 SURFPERCHES, OTHER	2	0	5	0	*	7
66 PACIFIC BONITO	*	*	*	*	2	2
67 PACIFIC MACKEREL	*	*	*	8	14	22
68 TUNAS	*	*	*	49	57	106
69 STARRY FLOUNDER	2	0	0	1	*	3
70 CALIFORNIA HALIBUT	2	*	*	11	*	19
71 PACIFIC SANDDAB	0	0	*	9	13	22
72 ROCK SOLE	*	*	*	1	1	1
73 FLATFISHES, OTHER	0	0	0	2	1	3
74 SALMONIDS	2	*	*	3	2	7
75 OTHER FISH	1	0	0	3	2	13
TOTAL	20	3	66	402	928	1469

TABLE 54. ESTIMATED THOUSANDS OF KILOGRAMS OF FISH CAUGHT (CATCH TYPE A + B3) BY GROUP AND MODE, SAN LUIS OBISPO, JAN 1986--DEC 1986.

GROUP	PIER & DOCK	JETTY & BEACH BANK BREAKWATER	HOOK & LINE	P/R BOAT	CPV	SPEAR	ALL MODES
2 SPINY DOGFISH	*	*	*	3	*	*	3
3 SHARK, OTHER	3	*	*	*	*	*	3
12 PACIFIC HAKE	*	*	*	*	1	*	1
14 JACKSMELT	4	*	0	1	*	*	5
15 BLACK ROCKFISH	*	*	*	3	*	*	3
16 BLUE ROCKFISH	0	*	*	19	7	*	27
17 BROWN ROCKFISH	*	*	1	13	1	*	15
18 BOACCIO	7	*	*	1	50	*	58
19 CANARY ROCKFISH	*	*	*	9	4	*	13
20 CHILIPEPPER ROCKFISH	*	*	*	0	36	*	36
21 COPPER ROCKFISH	*	*	*	6	8	*	15
22 GOPHER ROCKFISH	0	*	*	25	3	*	28
23 GREENSPOTTED ROCKFISH	*	*	*	0	2	*	2
24 GREENSTRIPED ROCKFISH	*	*	*	*	1	*	1
25 OLIVE ROCKFISH	*	*	*	5	3	*	7
27 ROSY ROCKFISH	0	*	*	2	3	*	5
28 STARRY ROCKFISH	*	*	*	3	6	*	9
29 VERMILION ROCKFISH	*	*	*	11	16	*	27
30 WIDOW ROCKFISH	*	*	*	0	25	*	25
31 YELLOWTAIL ROCKFISH	0	*	*	3	24	*	27
33 ROCKFISHES, OTHER	*	*	1	17	29	*	46
34 KELP GREENLING	*	*	0	1	*	*	1
35 LINGCOD	*	*	*	23	11	*	34
37 SABLEFISH	*	*	*	*	0	*	0
38 CABEZON	0	*	1	3	0	*	4
39 PAC. STAGHORN SCULPIN	0	*	*	*	*	*	0
40 SCULPINS, OTHER	*	*	*	*	*	*	*
41 BARRED SAND BASS	*	*	0	1	*	*	1
42 SPOTTED SAND BASS	*	*	*	*	*	*	*
43 KELP BASS	*	*	0	*	*	*	0
48 WHITE CROAKER	6	*	0	1	*	*	8
49 GREENFISH	7	*	*	0	*	*	7
50 CROAKERS, OTHER	*	*	2	3	*	*	5
51 OPALLEYE	*	*	0	*	*	*	0
53 BARRED SURFPERCH	4	*	20	0	*	*	24
54 BLACK PERCH	0	*	0	0	*	*	1
55 PILE PERCH	1	*	0	*	*	*	1
58 SHINER PERCH	0	*	0	*	*	*	0
59 SILVER SURFPERCH	1	*	0	*	*	*	2
60 STRIPED SEAPERCH	*	*	0	0	*	*	1
61 WALLEYE SURFPERCH	2	*	0	*	*	*	3
62 WHITE SEAPERCH	0	*	*	*	*	*	0
63 SURFPERCHES, OTHER	3	*	1	*	*	*	4
65 PACIFIC BARRACUDA	*	*	*	3	*	*	3
67 PACIFIC MACKEREL	*	*	*	3	1	*	5
68 TUNAS	*	*	*	117	169	*	286
69 STARRY FLOUNDER	*	*	*	2	*	*	2
70 CALIFORNIA HALIBUT	3	*	*	27	*	*	30
71 PACIFIC SANDDAB	*	*	*	0	0	*	0
72 ROCK SOLE	*	*	*	0	0	*	1
74 SALMONIDS	0	*	*	61	3	*	64
75 OTHER FISH	2	*	2	18	1	*	22
TOTAL	46	0	30	385	406	0	867

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APPENDIX I

GROUPS, COMMON NAMES AND SCIENTIFIC NAMES OF FISHES IDENTIFIED IN
MARINE RECREATIONAL FISHERIES FIELD SURVEYS IN NORTHERN AND CENTRAL CALIFORNIA, 1981-86.

GROUP	COMMON NAME	SCIENTIFIC NAME
1. LEOPARD SHARK	Shark, Leopard	<i>Triakis semifasciata</i>
2. SPINY DOGFISH	Spiny Dogfish	<i>Squalus acanthias</i>
3. SHARK, OTHER	Sharks Shark, Horn Shark, Sixgill Shark, Sevengill Sharks, Mackerel Thresher, Common Shark, Soupfin Smoothhounds Smoothhound, Gray Smoothhound, Brown Shark, Blue Sharks, Angel Shark, Pacific Angel	Chondrichthyes <i>Heterodontus francisci</i> <i>Hexanchus griseus</i> <i>Notorynchus maculatus</i> Lamnidae <i>Alopias vulpinus</i> <i>Galeorhinus zyopterus</i> <i>Mustelus</i> spp. <i>Mustelus californicus</i> <i>Mustelus henlei</i> <i>Prionace glauca</i> Squatinae <i>Squatina californica</i>
4. STURGEONS	Sturgeons (unidentified) Sturgeon, Green Sturgeon, White	Acipenseridae <i>Acipenser medirostris</i> <i>Acipenser transmontanus</i>
5. PACIFIC HERRING	Herring, Pacific	<i>Clupea harengus pallasii</i>
6. NORTHERN ANCHOVY	Anchovies Anchovy, Northern	Engraulidae <i>Engraulis mordax</i>
7. SURF SMELT	Smelt, Surf	<i>Hypomesus pretiosus</i>
8. SMELTS, OTHER	Smelts Smelts (General) Smelt, Night	Osmeridae <i>Hypomesus</i> spp. <i>Spirinchus starksi</i>
9. PACIFIC COD	Cod, Pacific	<i>Gadus macrocephalus</i>
10. PACIFIC TOMCOD	Tomcod, Pacific	<i>Microgadus proximus</i>
12. PACIFIC HAKE	Hake, Pacific	<i>Merluccius productus</i>
13. SILVERSIDES	Silversides Topsmelt	Atherinidae <i>Atherinops affinis</i>
14. JACKSMELT	Jacksmelt	<i>Atherinopsis californiensis</i>
15. BLACK ROCKFISH	Rockfish, Black	<i>Sebastes melanops</i>
16. BLUE ROCKFISH	Rockfish, Blue	<i>Sebastes mystinus</i>
17. BROWN ROCKFISH	Rockfish, Brown	<i>Sebastes auriculatus</i>
18. BOCACCIO	Bocaccio	<i>Sebastes paucispinis</i>
19. CANARY ROCKFISH	Rockfish, Canary	<i>Sebastes pinniger</i>
20. CHILIPEPPER ROCKFISH	Chilipepper	<i>Sebastes goodei</i>
21. COPPER ROCKFISH	Rockfish, Copper	<i>Sebastes caurinus</i>
22. GOPHER ROCKFISH	Rockfish, Gopher	<i>Sebastes carnatus</i>
23. GREENSPOTTED ROCKFISH	Rockfish, Greenspotted	<i>Sebastes chlorostictus</i>
24. GREENSTRIPED ROCKFISH	Rockfish, Greenstriped	<i>Sebastes elongatus</i>

APPENDIX I. (CONTINUED)

<u>SPECIES GROUP</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
25. OLIVE ROCKFISH	Rockfish, Olive	<i>Sebastes serranoides</i>
26. QUILLBACK ROCKFISH	Rockfish, Quillback	<i>Sebastes maliger</i>
27. ROSY ROCKFISH	Rockfish, Rosy	<i>Sebastes rosaceus</i>
28. STARRY ROCKFISH	Rockfish, Starry	<i>Sebastes constellatus</i>
29. VERMILION ROCKFISH	Rockfish, Vermilion	<i>Sebastes miniatus</i>
30. WIDOW ROCKFISH	Rockfish, Widow	<i>Sebastes entomelas</i>
31. YELLOWTAIL ROCKFISH	Rockfish, Yellowtail	<i>Sebastes flavidus</i>
33. ROCKFISHES, OTHER	Rockfishes (unidentified)	Scorpaenidae
	Rockfish, Roughey	<i>Sebastes aleutianus</i>
	Pacific Ocean Perch	<i>Sebastes alutus</i>
	Rockfish, Aurora	<i>Sebastes aurora</i>
	Rockfish, Redbanded	<i>Sebastes babcocki</i>
	Rockfish, Silvergray	<i>Sebastes brevispinis</i>
	Rockfish, Splitnose	<i>Sebastes diploproa</i>
	Rockfish, Rosethorn	<i>Sebastes helvomaculatus</i>
	Rockfish, Shortbelly	<i>Sebastes jordani</i>
	Rockfish, China	<i>Sebastes nebulosus</i>
	Rockfish, Tiger	<i>Sebastes nigrocinctus</i>
	Rockfish, Yelloweye	<i>Sebastes ruberrimus</i>
	Rockfish, Stripetail	<i>Sebastes saxicola</i>
	Rockfish, Sharpchin	<i>Sebastes zacentrus</i>
	Rockfish, Black-and-yellow	<i>Sebastes chrysomelas</i>
	Rockfish, Kelp	<i>Sebastes atrovirens</i>
	Rockfish, Calico	<i>Sebastes dalli</i>
	Rockfish, Squarespot	<i>Sebastes hopkinsi</i>
	Cowcod	<i>Sebastes levis</i>
	Rockfish, Speckled	<i>Sebastes ovalis</i>
	Rockfish, Grass	<i>Sebastes rastrelliger</i>
	Rockfish, Flag	<i>Sebastes rubrivinctus</i>
	Rockfish, Bank	<i>Sebastes rufus</i>
	Treefish	<i>Sebastes serriceps</i>
	Rockfish, Greenblotched	<i>Sebastes rosenblatti</i>
	Rockfishes, (general)	<i>Sebastes spp.</i>
	Thornyheads (general)	<i>Sebastes spp.</i>
	Thornyhead, Shortspine	<i>Sebastes alascanus</i>
34. KELP GREENLING	Greenling, Kelp	<i>Hexagrammos decagrammus</i>
35. LINGCOD	Lingcod	<i>Ophiodon elongatus</i>
36. GREENLINGS, OTHER	Greenlings (unidentified)	Hexagrammidae
	Greenling, Rock	<i>Hexagrammos lagocephalus</i>
37. SABLEFISH	Sablefish	<i>Anoplopoma fimbria</i>
38. CABEZON	Cabezon	<i>Scorpaenichthys marmoratus</i>
39. PAC. STAGHORN SCULPIN	Sculpin, Pacific Staghorn	<i>Leptocottus armatus</i>
40. SCULPINS, OTHER	Sculpins	Cottidae
	Sculpin, Coastrange	<i>Cottus aleuticus</i>
	Sculpin, Buffalo	<i>Enophrys bison</i>
	Irish Lord, Red	<i>Hemilepidotus hemilepidotus</i>
	Irish Lord, Brown	<i>Hemilepidotus spinosus</i>
41. BARRED SAND BASS	Sand bass, Barred	<i>Paralabrax nebulifer</i>
43. KELP BASS	Bass, Kelp	<i>Paralabrax clathratus</i>

APPENDIX I. (CONTINUED)

<u>SPECIES GROUP</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
44. STRIPED BASS	Bass, Striped	<i>Morone saxatilis</i>
46. YELLOWTAIL	Yellowtail	<i>Seriola lalandei</i>
48. WHITE CROAKER	Croaker, White	<i>Genyonemus lineatus</i>
49. QUEENFISH	Queenfish	<i>Seriphus politus</i>
50. CROAKERS, OTHER	Seabass, White Croaker, Spotfin	<i>Atractoscion nobilis</i> <i>Roncador stearnsi</i>
51. OPALEYE	Opaleye	<i>Girella nigricans</i>
52. HALFMOON	Halfmoon	<i>Medialuna californiensis</i>
53. BARRED SURFPERCH	Surfperch, Barred	<i>Amphistichus argenteus</i>
54. BLACK PERCH	Perch, Black	<i>Embiotoca jacksoni</i>
55. PILE PERCH	Perch, Pile	<i>Rhacochilus vacca</i>
56. REDTAIL SURFPERCH	Surfperch, Redtail	<i>Amphistichus rhodoterus</i>
57. RUBBERLIP SEAPERCH	Seaperch, Rubberlip	<i>Rhacochilus toxotes</i>
58. SHINER PERCH	Perch, Shiner	<i>Cymatogaster aggregata</i>
59. SILVER SURFPERCH	Surfperch, Silver	<i>Hyperprosopon ellipticum</i>
60. STRIPED SEAPERCH	Seaperch, Striped	<i>Embiotoca lateralis</i>
61. WALLEYE SURFPERCH	Surfperch, Walleye	<i>Hyperprosopon argenteum</i>
62. WHITE SEAPERCH	Seaperch, White	<i>Phanerodon furcatus</i>
63. SURFPERCHES, OTHER	Surfperches Perch, Kelp Surfperch, Spotfin Seaperch, Sharpnose Surfperch, Calico Seaperch, Rainbow Perch, Reef Perch, Dwarf	<i>Embiotocidae</i> <i>Brachyistius frenatus</i> <i>Hyperprosopon anale</i> <i>Phanerodon atripes</i> <i>Amphistichus koelzi</i> <i>Hypsurus caryi</i> <i>Micrometrus aurora</i> <i>Micrometrus minimus</i>
65. PACIFIC BARRACUDA	Barracuda, Pacific	<i>Sphyaena argentea</i>
66. PACIFIC BONITO	Bonito, Pacific	<i>Sarda chiliensis</i>
67. PACIFIC MACKEREL	Mackerel, Pacific (Chub)	<i>Scomber japonicus</i>
68. TUNAS	Mackerels and Tunas Tuna, Skipjack Tuna, Albacore Tuna, Bluefin	<i>Scombridae</i> <i>Euthynnus pelamis</i> <i>Thunnus alalunga</i> <i>Thunnus thynnus</i>
69. STARRY FLOUNDER	Flounder, Starry	<i>Platichthys stellatus</i>
70. CALIFORNIA HALIBUT	Halibut, California	<i>Paralichthys californicus</i>
71. PACIFIC SANDDAB	Sanddab, Pacific	<i>Citharichthys sordidus</i>
72. ROCK SOLE	Sole, Rock	<i>Lepidopsetta bilineata</i>

APPENDIX I. (CONTINUED)

<u>SPECIES GROUP</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	
73. FLATFISHES, OTHER	Flatfishes	Pleuronectiformes	
	Flounders, Lefteye	Bothidae	
	Sandabs	Citharichthys spp.	
	Sanddab, Speckled	Citharichthys stigmæus	
	Sanddab, Longfin	Citharichthys xanthostigma	
	Sole, Fantail	Xystreurys liolepis	
	Flounders, Righteye	Pleuronectidae	
	Flounder, Arrowtooth	Atheresthes stomias	
	Sole, Petrale	Eopsetta jordani	
	Sole, Rex	Glyptocephalus zachirus	
	Sole, Butter	Isopsetta isolepis	
	Sole, Dover	Microstomus pacificus	
	Sole, English	Parophrys vetulus	
	Turbot, Hornyhead	Pleuronichthys verticalis	
	Sole, Sand	Psettichthys melanostictus	
	Halibut, Greenland	Reinhardtius hippoglossoides	
	Halibut, Pacific	Hippoglossus stenolepis	
	74. SALMONIDS	Trouts	Salmonidae
		Salmon	Oncorhynchus spp.
Salmon, Pink		Oncorhynchus gorboscha	
Salmon, Coho (Silver)		Oncorhynchus kisutch	
Salmon, Chinook (King)		Oncorhynchus tshawytscha	
Trout, Cutthroat		Salmo clarkii	
Trout, Rainbow	Salmo gairdnerii		
75. OTHER FISH	Unidentified Fishes	Unidentified Pisces	
	Bottomfishes (Groundfishes)	Bottom Pisces (Groundfishes)	
	Smoothhound, Sicklefin	Mustelus lunulatus	
	Guitarfish, Shovelnose	Rhinobatos productus	
	Thornback	Platyrrhinoidis triseriata	
	Electric Ray, Pacific	Torpedo californica	
	Skates	Rajidae	
	Skate, Big	Raja binoculata	
	Skate, California	Raja inornata	
	Skate, Longnose	Raja rhina	
	Stingrays	Dasyatidae	
	Stingray, Diamond	Dasyatis dipterura	
	Eagle Rays	Myliobatidae	
	Ray, Bat	Myliobatis californica	
	Spotted Ratfish	Hydrolagus colliei	
	Sardine, Pacific	Sardinops sagax	
	Lizardfish, California	Synodus lucioceps	
	Midshipman, Plainfin	Porichthys notatus	
	Codfishes	Gadidae	
	Cusk-eels	Ophidiidae	
	Eelpouts	Zoarcidae	
	Opah	Lampris guttatus	
	Rockfish, Shortraker	Sebastes borealis	
	Rockfish, Darkblotched	Sebastes cramerii	
	Rockfish, Whitebelly	Sebastes vexillaris	
	Thornyhead, Longspine	Sebastolobus altivelis	
	Sculpin, Rosylip	Ascelichthys rhodorus	
	Grouper, Gulf	Mycteroperca jordani	
	Whitefish, Ocean	Caulolatilus princeps	
	Jack Mackerel	Trachurus symmetricus	
	Perch, Zebra	Hermosilla azurea	
	Garibaldi	Hypsypops rubicundus	
	Barracudas	Sphyraenidae	
	Senorita	Oxyjulis californica	
	Sandfish, Pacific	Trichodon trichodon	
	Blenny, Bay	Hypsoblennius gentilis	
Wolf-eel	Anarrhichthys ocellatus		
Kelpfish, Striped	Gibbonsia metzi		
Fringehead, Sarcastic	Neoclinus blanchardi		

APPENDIX I. (CONTINUED)

<u>SPECIES GROUP</u>	<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
	Fringehead, Onespot	Neoclinus uninotatus
	Kelpfish, Giant	Heterostichus rostratus
	Pricklebacks	Stichaeidae
	Prickleback, Rock	Xiphister mucosus
	Prickleback, Monkeyface	Cebidichthys violaceus
	Sandlance, Pacific	Ammodytes hexapterus
	Gobies	Gobiidae
	Goby, Blackeye	Coryphopterus nicholsi
	Goby, Yellowfin	Acanthogobius flavimanus
	Sierra, Gulf	Scomberomorus concolor
	Pacific Pompano	Peprilus simillimus
	Molas	Molidae
	Sunfish, Ocean	Mola mola