

APPENDIX D

Historical Economic Data

APPENDIX D TABLES

Historical Economic Data

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Table D-1. California troll chinook and coho average dressed weights (pounds) by area of landing and month for 1981-1989, with 1971-1975 and 1976-1980 averages.

Year	Chinook							Coho					
	Apr.	May	June	July	Aug.	Sept.	Season	May	June	July	Aug.	Sept.	Season
<u>CRESCENT CITY</u>													
1971-1975	10.2	8.4	9.3	8.5	9.6	8.0	8.9	4.3	4.9	6.6	8.2	9.0	5.6
1976-1980	9.1	8.5	8.7	9.1	9.8	8.9	8.9	3.9	4.3	6.4	7.1	7.1	5.0
1981	-	8.9	9.7	8.8	9.4	9.1	9.2	3.9	4.4	6.0	6.8	7.1	5.6
1982	7.2	8.0	8.8	9.9	9.7	9.3	9.4	3.9	4.9	5.9	6.5	6.5	5.9
1983	-	6.8	7.6	7.6	7.2	-	7.5	-	4.4	4.3	4.5	-	4.4
1984	-	7.1	7.2	7.9	8.4	-	7.9	-	-	-	7.7	-	7.7
1985	-	-	-	11.7	13.0	12.4	12.3	-	-	7.3	7.9	-	7.5
1986	-	8.0	8.3	9.5	8.6	10.7	8.7	-	4.7	5.0	-	-	4.8
1987	-	10.0	8.8	9.9	10.0	10.0	8.9	-	5.3	5.5	-	5.0	5.3
1988	-	8.8	9.0	9.1	9.1	9.1	9.0	-	5.4	5.4	-	5.4	5.4
1989 ^{a/}	-	11.7	12.2	11.1	9.2	9.4	11.0 ^{a/}	-	4.6	4.6	4.6	4.6	4.6 ^{a/}
<u>EUREKA</u>													
1971-1975	8.3	8.6	10.2	8.9	9.2	10.0	9.2	4.4	5.5	6.9	8.1	6.6	5.5
1976-1980	7.8	8.1	8.5	8.6	9.8	9.5	8.4	3.1	4.3	6.2	7.1	6.8	4.3
1981	-	7.6	8.9	9.5	9.4	10.0	8.5	3.7	4.6	5.9	6.7	6.7	5.7
1982	7.7	7.8	9.4	9.6	10.9	9.2	9.0	5.1	5.3	5.8	6.6	6.4	5.9
1983	-	7.2	7.6	8.0	7.9	-	7.6	5.0	4.3	4.3	5.0	-	4.4
1984	-	7.2	7.0	8.7	8.4	-	7.9	-	-	7.6	6.6	-	6.8
1985	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5
1986	-	8.4	8.2	10.2	11.0	10.8	9.5	-	5.1	5.4	6.0	8.1	5.2
1987	-	10.0	8.9	9.3	8.0	8.1	8.9	-	5.2	5.5	-	6.5	5.4
1988	-	9.0	8.7	10.1	9.0	9.0	9.0	-	5.6	6.9	5.8	6.2	5.9
1989 ^{a/}	-	10.1	10.3	10.1	9.9	9.7	10.1 ^{a/}	-	4.7	4.8	4.8	6.4	4.9 ^{a/}
<u>FORT BRAGG</u>													
1971-1975	9.0	8.9	11.1	10.7	11.2	11.4	10.6	4.6	6.3	7.8	9.2	8.1	7.0
1976-1980	9.1	8.5	9.4	10.8	10.2	10.5	10.1	3.9	4.9	6.7	6.9	7.6	5.4
1981	-	8.5	10.5	9.6	9.8	10.5	9.7	3.7	5.0	6.1	6.2	7.5	5.8
1982	7.6	9.7	10.8	10.0	11.6	9.9	10.1	4.2	6.2	6.1	6.5	7.1	6.2
1983	-	7.1	7.6	7.7	8.4	8.2	7.7	6.0	4.2	4.7	5.0	5.5	4.6
1984	-	7.1	10.0	8.8	8.9	9.7	9.0	-	7.4	7.3	7.8	8.6	7.4
1985	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5
1986	-	8.7	8.4	7.9	9.0	8.6	8.4	-	5.0	5.9	6.4	6.0	5.7
1987	-	9.1	10.2	9.6	9.8	10.5	9.7	-	5.7	5.8	-	5.0	5.8
1988	-	9.5	11.0	10.1	11.6	10.3	10.4 ^{a/}	-	5.9	6.6	7.4	7.0	6.5
1989 ^{a/}	-	9.7	12.1	9.8	9.3	10.8	10.0 ^{a/}	-	5.4	5.7	6.0	5.5	5.8
<u>NORTH COAST</u>													
1971-1975	8.6	8.6	10.4	9.8	10.7	10.7	9.7	4.4	5.6	7.1	8.8	7.7	6.0
1976-1980	8.1	8.2	8.8	9.9	10.1	10.1	9.2	3.4	4.4	6.4	7.0	7.0	4.8
1981	-	8.2	10.3	9.5	9.5	9.7	9.2	3.8	4.6	6.0	6.7	7.0	5.7
1982	7.6	8.5	10.0	9.9	10.5	9.5	9.7	4.8	5.4	6.0	6.5	6.6	6.0
1983	-	7.1	7.6	7.8	8.1	8.2	7.6	5.7	4.3	4.4	5.0	5.5	4.4
1984	-	7.1	9.3	8.6	8.6	9.7	8.6	-	7.4	7.3	7.2	8.6	7.3
1985	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5
1986	-	8.7	8.4	8.1	9.6	10.3	8.6	-	4.9	5.8	6.3	6.8	5.4
1987	-	9.2	9.5	9.6	9.7	9.2	9.5	-	5.4	5.8	-	6.3	5.6
1988	-	9.5	10.3	10.1	11.5	9.6	10.2	-	5.7	6.6	7.3	6.3	6.2
1989 ^{a/}	-	9.8	11.6	9.8	9.4	10.2	10.1 ^{a/}	-	4.8	5.6	5.9	5.9	5.4 ^{b/}

Table D-1. California troll chinook and coho average dressed weights . . . (continued).

Year	Chinook							Coho					
	Apr.	May	June	July	Aug.	Sept.	Season	May	June	July	Aug.	Sept.	Season
<u>SAN FRANCISCO</u>													
1971-1975	8.7	9.7	11.4	11.9	11.1	11.3	10.7	5.2	6.5	8.7	8.9	8.9	7.4
1976-1980	8.5	8.8	9.9	10.8	11.4	11.6	9.9	4.2	5.0	6.8	6.8	7.7	5.2
1981	-	8.6	9.8	11.3	11.3	9.9	10.4	4.0	6.7	7.0	5.6	10.2	6.4
1982	7.5	9.0	10.1	10.4	11.0	11.2	9.9	4.4	5.6	6.6	7.2	7.9	6.2
1983	6.1	6.3	6.9	7.5	8.5	8.3	7.1	5.5	3.8	4.6	5.1	4.3	4.6
1984	-	8.0	8.5	9.2	8.8	8.6	8.9	-	6.9	7.9	7.6	8.7	7.6
1985	-	11.0	12.8	14.2	13.0	12.0	12.4	-	6.9	7.8	9.0	8.0	7.2
1986	-	8.3	8.8	9.3	10.9	12.6	9.1	5.0	5.4	6.2	6.4	6.0	5.9
1987	-	10.3	11.0	11.2	12.6	11.4	10.9	-	5.4	5.8	5.0	-	5.6
1988	-	9.6	12.1	11.7	13.5	12.5	11.2	-	6.6	7.3	7.6	-	7.0
1989 ^{a/}	-	9.1	10.0	11.7	11.8	11.4	9.9 ^{a/}	-	5.7	5.8	6.0	5.8	5.8 ^{a/}
<u>MONTEREY</u>													
1971-1975	9.2	10.5	11.2	11.2	12.7	10.9	11.0	4.8	6.7	8.5	10.1	13.3	6.0
1976-1980	8.5	9.2	9.3	10.9	13.2	10.0	9.9	4.4	4.9	6.7	7.2	5.6	5.1
1981	-	7.2	9.3	8.5	11.8	8.7	8.0	5.0	4.0	6.9	5.5	10.0	5.7
1982	8.3	9.1	10.1	10.8	10.8	11.9	9.7	6.7	5.5	5.8	8.7	10.4	6.9
1983	6.3	6.4	7.0	7.9	8.4	9.5	7.1	4.4	3.9	5.0	5.9	5.3	4.2
1984	-	7.8	8.3	9.8	9.5	8.6	8.4	-	6.7	7.9	10.7	-	7.0
1985	-	12.5	13.2	14.9	16.1	12.0	13.1	3.2	6.4	5.2	9.0	8.0	5.4
1986	-	9.2	10.7	11.3	11.7	10.8	10.1	-	5.1	7.4	7.0	-	6.4
1987	-	9.3	12.0	11.8	11.9	11.3	10.7	-	6.3	5.4	5.6	5.2	5.7
1988	-	10.1	12.6	15.0	16.6	13.8	12.4 ^{a/}	-	6.1	5.7	6.1	-	6.1
1989 ^{a/}	-	11.1	11.9	12.4	12.4	12.1	11.7 ^{a/}	-	6.1	5.8	6.7	6.2	6.1
<u>SOUTH COAST</u>													
1971-1975	8.8	10.0	11.3	11.7	11.5	11.2	10.8	5.0	6.5	8.7	9.0	9.2	7.1
1976-1980	8.5	8.9	9.7	10.8	12.2	11.2	9.9	4.3	5.0	6.8	6.8	7.5	5.2
1981	-	7.9	9.7	10.7	11.4	9.8	9.7	4.0	6.7	7.0	5.6	10.2	6.3
1982	8.0	9.0	10.1	10.5	10.9	11.3	9.8	4.9	5.6	6.6	7.3	8.1	6.3
1983	6.2	6.4	6.9	7.7	8.5	8.4	7.1	5.0	3.9	4.7	5.1	4.6	4.5
1984	-	7.8	8.4	9.3	8.8	8.6	8.8	-	6.8	7.9	8.3	8.7	7.5
1985	-	11.3	12.9	14.3	13.0	12.0	12.5	3.2	6.8	6.9	9.0	-	6.8
1986	-	8.8	9.4	9.9	11.2	11.9	9.5	-	5.0	6.4	6.7	6.0	6.0
1987	-	10.0	11.4	11.5	12.3	11.3	10.8	-	5.5	5.8	5.1	5.6	5.6
1988	-	9.7	12.2	13.1	14.2	12.6	11.5	-	6.6	7.3	7.6	-	6.9
1989 ^{a/}	-	9.7	10.4	12.0	12.0	11.5	10.4 ^{a/}	-	5.7	5.8	6.2	5.8	5.8 ^{a/}
<u>STATEWIDE</u>													
1971-1975	8.8	9.2	10.7	10.4	11.3	11.1	10.2	4.5	5.7	7.3	8.8	8.1	6.1
1976-1980	8.4	8.5	9.2	10.3	10.7	10.5	9.5	3.5	4.5	6.5	7.0	7.1	4.9
1981	-	8.0	10.1	10.3	10.0	9.7	9.4	3.8	4.6	6.0	6.7	7.1	5.7
1982	7.9	8.8	10.0	10.2	10.7	10.4	9.7	4.9	5.4	6.0	6.6	6.8	6.0
1983	6.2	6.5	7.4	7.7	8.3	8.4	7.3	5.0	4.3	4.4	5.0	4.8	4.4
1984	-	7.5	8.5	9.1	8.8	9.3	8.7	-	6.8	7.7	7.2	8.6	7.4
1985	-	11.6	13.0	12.5	13.0	12.2	12.4	3.2	7.9	7.3	7.9	8.0	7.5
1986	-	8.7	9.0	9.1	10.3	11.3	9.1	5.0	5.0	5.9	6.4	6.6	5.5
1987	-	9.8	10.4	10.3	10.8	10.5	10.2	-	5.4	5.8	5.0	6.2	5.6
1988	-	9.7	11.4	11.4	12.9	10.9	11.0	-	5.8	6.7	7.3	6.2	6.3
1989 ^{a/}	-	9.7	10.7	10.8	10.4	10.9	10.3 ^{a/}	-	5.0	5.6	5.9	5.9	5.5 ^{a/}

a/ Preliminary.

b/ Total includes minor catches for October where appropriate.

Table D-2. Oregon monthly commercial troll chinook and coho salmon average dressed weights, 1976-1989 with 1971-1975 average.

Year	May	June	July	Aug.	Sept.	Oct.	Nov.	Average
<u>CHINOOK</u>								
1976	10.2	10.3	10.8	10.5	9.7	10.6	11.7	10.4
1977	8.8	10.5	10.5	10.0	9.4	11.0	14.1	10.2
1978	9.6	9.8	9.9	9.2	9.5	12.0	18.5	9.9
1979	11.9	9.9	11.0	10.2	10.9	9.0	16.3	10.5
1980	10.7	10.5	10.6	10.3	9.8	9.9	16.4	10.4
1981	9.2	9.1	10.7	9.8	8.6	10.5	14.4	9.8
1982	9.4	10.4	10.4	10.0	8.8	9.8	12.9	10.1
1983	8.8	8.0	7.9	7.8	8.8	10.1	11.7	8.2
1984	8.6	8.5	8.5	8.2	9.2	16.6	15.4	8.5
1985	9.1	9.3	10.0	9.0	8.6	10.6	19.3	9.4
1986	9.4	8.7	8.5	8.0	7.8	7.5	13.1	8.4
1987	9.3	9.7	10.2	9.4	8.4	10.8	14.2	9.8
1988	8.6	9.5	9.5	9.3	10.0	9.3	14.6	10.1
1989 ^{a/}	9.8	9.4	10.5	9.6	10.9	10.5	16.8	11.1
<u>COHO</u>								
1971-1975	-	5.1	6.1	7.0	7.2	7.9	-	6.2
1976	-	4.1	5.0	5.8	5.7	6.2	-	5.0
1977	-	4.6	6.0	7.1	6.6	7.6	-	5.9
1978	-	4.4	4.5	5.1	4.9	5.2	-	4.5
1979	-	-	6.3	6.8	6.2	-	-	6.4
1980	-	-	5.5	5.9	6.1	-	-	5.7
1981	-	-	4.8	6.0	-	-	-	5.4
1982	-	-	5.2	5.6	-	-	-	5.2
1983	-	-	3.4	3.8	3.6	-	-	3.4
1984	-	-	-	5.1	-	-	-	5.1
1985	-	-	5.7	5.9	-	-	-	5.8
1986	-	4.3	4.4	3.9	-	-	-	4.3
1987	-	5.0	5.3	5.6	5.9	-	-	5.4
1988	-	5.2	5.1	5.9	-	-	-	5.4
1989 ^{a/}	-	4.6	4.3	4.7	4.7	-	-	4.6

a/ Preliminary.

Table D-3. Washington monthly commercial troll chinook and coho salmon average dressed weights, 1979-1989. a/

Year	May		June		July		August		September		October		Season b/	
	Treaty	Non-treaty	Treaty	Non-treaty	Treaty	Non-treaty	Treaty	Non-treaty	Treaty	Non-treaty	Treaty	Non-treaty	Treaty	Non-treaty
<u>COHO</u>														
1979	2.6	-	3.3	4.8	4.7	4.8	5.8	6.4	5.7	6.8	-	-	3.9	5.5
1980	2.5	-	3.4	-	4.3	4.8	5.7	6.0	6.9	5.7	-	-	3.7	5.2
1981	1.7	-	2.9	-	3.9	4.2	4.7	4.7	5.9	5.9	-	5.8	4.5	4.3
1982	2.2	-	3.5	-	4.2	4.7	5.3	4.1	6.5	4.9	-	-	5.3	5.0
1983	3.0	-	3.4	-	3.6	5.0	4.0	4.0	4.8	-	-	-	4.1	4.2
1984	-	-	-	-	3.1	-	5.0	4.5	5.1	-	6.5	-	4.2	4.5
1985	-	-	3.1	-	4.4	4.5	5.5	5.8	5.7	-	-	-	5.0	4.6
1986	-	-	3.0	-	3.5	-	3.9	4.2	-	-	5.8	-	3.4	4.1
1987	-	-	-	-	3.9	4.3	4.3	-	4.6	-	4.6	-	4.1	4.3
1988 ^{c/}	-	-	2.6	-	4.1	-	3.9	-	4.4	-	5.0	-	4.0	-
1989	-	-	-	-	4.0	-	4.2	3.8	4.6	4.9	5.0	-	4.3	3.9
<u>CHINOOK</u>														
1979	9.5	10.5	12.0	11.3	15.4	12.4	14.2	12.7	5.4	9.6	6.8	-	6.2	11.9
1980	10.9	12.0	12.6	-	12.5	13.2	14.2	13.5	10.9	13.1	6.7	-	7.3	13.0
1981	7.3	10.2	9.8	-	10.4	12.8	11.0	13.0	8.1	-	5.7	-	6.7	11.4
1982	8.9	9.7	8.0	-	10.2	12.9	8.4	14.0	5.9	13.6	5.5	-	7.0	11.2
1983	7.1	9.9	8.5	-	9.6	11.8	7.8	12.3	7.2	11.7	5.1	-	6.1	10.5
1984	6.6	9.1	8.8	-	8.1	-	8.6	10.7	8.0	-	4.4	-	5.3	9.4
1985	6.5	9.7	8.9	-	9.8	11.5	10.8	11.1	9.5	-	4.9	-	6.9	10.4
1986	8.3	10.1	7.3	-	8.8	-	8.3	10.3	5.9	-	4.5	-	6.0	10.2
1987	8.2	9.0	6.0	-	10.1	10.6	10.0	-	6.1	-	-	-	6.3	9.5
1988 ^{c/}	8.2	10.3	9.6	11.1	10.1	-	9.8	-	8.4	-	5.1	-	7.0	10.6
1989 ^{c/}	8.8	10.1	7.7	10.1	9.0	-	9.3	13.2	7.8	12.6	5.1	-	7.1	10.6

a/ Split between treaty and nontreaty beginning in 1979. Treaty statistics include landings from Puget Sound.

b/ Season totals include additional winter treaty troll.

c/ Preliminary.

Table D-4. California commercial salmon landings in dressed weight, value (dollars) of landings, and number of registered vessels making commercial salmon landings, 1960-1989.^{a/}

Year	Pounds Landed	Ex-Vessel Value	Vessels Landing Salmon	Nominal Average Ex-Vessel Value/Vessel	Real Average Ex-Vessel Value/Vessel ^{b/}
1960	6,221,000	\$ 3,339,000	1,365	\$ 2,450	\$ 9,067
1961	8,638,000	4,698,000	1,615	2,910	10,664
1962	6,673,000	4,023,000	1,563	2,570	9,242
1963	7,849,000	3,959,000	1,611	2,460	8,706
1964	9,481,000	5,013,000	1,774	2,830	9,877
1965	9,674,000	4,989,000	2,001	2,490	8,510
1966	9,447,000	4,845,000	1,929	2,510	8,302
1967	7,402,000	3,945,000	2,137	1,850	5,939
1968	6,952,000	4,014,000	2,249	1,780	5,480
1969	6,151,000	3,843,000	2,125	1,810	5,305
1970	6,629,000	5,101,000	2,065	2,470	6,858
1971	8,117,000	4,757,000	2,221	2,140	5,666
1972	6,423,000	4,830,000	2,392	2,020	5,130
1973	9,669,000	8,991,000	2,848	3,160	7,591
1974	8,749,000	8,013,000	3,185	2,520	5,556
1975	6,925,000	6,972,000	3,150	2,210	4,474
1976	7,788,000	10,707,000	3,526	3,040	5,841
1977	5,930,000	12,074,000	3,797	3,180	5,764
1978	6,804,000	11,001,000	4,919	2,240	3,784
1979	8,746,000	21,870,000	4,593	4,290	6,705
1980	6,019,000	13,141,000	4,738	2,770	3,938
1981	6,042,000	15,034,000	4,102	3,665	4,758
1982	7,996,000	19,819,000	4,013 (5,964)	4,940	6,092
1983	2,410,000	4,618,000	3,223 (4,617)	1,430	1,684
1984	2,970,000	7,884,000	2,569 (4,180)	3,070	3,478
1985	4,630,000	11,515,000	2,308 (3,896)	4,990	5,458
1986	7,598,000	15,113,000	2,582 (3,753)	5,853	6,027
1987	9,296,000	25,624,000	2,442 (3,533)	10,493	11,288
1988	14,750,301	41,927,412	2,571 (3,493)	16,308	16,919
1989 ^{d/}	5,608,678	13,168,421	2,501 (3,464)	5,265	5,265

a/ Derived from vessel registrations and fish landing tickets.

b/ Expressed in 1989 dollars.

c/ Number of commercial salmon vessel permits issued shown in parentheses.

d/ Preliminary.

Table D-5. Number of vessels landing troll-caught salmon in Oregon, 1974-1989.

Year	Number of Vessels	Total Number of Vessels Permitted
1974	2,253	-
1975	2,304	-
1976	2,770	-
1977	3,108	-
1978	3,158	-
1979	3,114	-
1980 ^{a/}	3,875	4,314
1981	3,615	3,926
1982	3,269	3,646
1983	2,951	3,439
1984	771 ^{b/}	3,203
1985	2,050 ^{c/}	2,993
1986	2,288	2,739
1987	2,111	2,626
1988	2,061	2,597
1989 ^{d/}	1,937	2,569

a/ The establishment of a restricted vessel permit system drew a number of historically active vessels back into the fishery in 1980.

b/ Vessels were not required to land 1 salmon in 1984 to be eligible for a permit in 1985. The Oregon Fish and Wildlife Commission waived this requirement because of the elimination of the coho fishery south of Cape Falcon.

c/ Vessels traditionally landing salmon south of Cape Blanco and north of Cape Falcon were not required to land 1 salmon in 1985 to be eligible for a permit in 1986. The Oregon Fish and Wildlife Commission waived this requirement because of the complete salmon closure south of Cape Blanco and a limited one-day coho season between the Columbia River and Cape Falcon.

d/ Preliminary.

Table D-6. Number of vessels landing troll-caught salmon in Washington, 1978-1989.

Year	Number of Vessels ^{a/}	Landings in Dressed Pounds (thousands)
1978	3,041	4,775.8
1979	2,778	7,785.6
1980	2,626	3,409.2
1981	2,439	3,590.7
1982	2,253	2,673.8
1983	2,045	936.1
1984	381 (2,109)	201.0
1985	1,259	962.4
1986	1,252	657.7
1987	883 (1,342)	762.9
1988 ^{b/}	650 (1,294)	796.1
1989	883 (1,263)	770.5

a/ Numbers in parentheses are the total number of troll permits and vessel delivery permits issued.

b/ Preliminary.

Table D-7. California commercial salmon troll boat-size catch statistics in pounds of dressed salmon, 1974-1989.^{a/}

Year	Vessels		Catch			
	Length Category (feet)	Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
1989c/	20<	260	10	774	201,168	4
	21-25	608	24	1,054	640,877	11
	26-30	444	18	1,705	757,175	14
	31-35	298	12	2,560	762,833	14
	36-40	415	17	2,990	1,240,806	22
	41-45	219	9	3,942	863,357	15
	46-50	167	7	3,930	656,256	12
	51-55	49	2	4,545	222,695	4
	56-60	29	1	4,049	117,430	2
	>60	10	<1	5,347	53,475	1
	Unknown	2	<1	46,303	92,605	2
Totals		2,501		2,243	5,608,678	
1988	20<	276	11	1,841	508,023	3
	21-25	619	24	2,924	1,810,170	12
	26-30	445	17	4,287	1,907,933	13
	31-35	307	12	6,356	1,951,217	13
	36-40	435	17	8,356	3,634,892	25
	41-45	228	9	10,400	2,371,136	16
	46-50	173	7	9,434	1,632,017	11
	51-55	44	2	11,930	524,912	4
	56-60	30	1	8,892	266,752	2
	>60	<1	1	12,784	140,621	1
	Unknown	3	<1	876	2,629	<1
Totals		2,571		5,737	14,750,301	
1987	20<	272	11	1,123	305,431	3
	21-25	582	24	1,559	907,335	10
	26-30	430	18	2,635	1,133,233	12
	31-35	285	12	4,077	1,161,814	12
	36-40	405	17	5,814	2,354,549	25
	41-45	216	9	7,798	1,684,343	18
	46-50	162	7	7,134	1,155,640	12
	51-55	41	2	7,644	313,399	3
	56-60	34	1	5,886	200,118	2
	>60	13	1	5,785	75,210	1
	Unknown	2	<1	2,544	5,089	<1
Totals		2,442		3,807	9,296,160	
1986	20<	288	11	871	250,750	3
	21-25	610	24	1,183	721,585	9
	26-30	480	19	1,863	894,091	11
	31-35	296	11	3,398	1,005,927	12
	36-40	441	17	4,407	1,943,653	26
	41-45	220	9	5,974	1,314,302	17
	46-50	163	6	6,079	990,930	13
	51-55	42	2	6,557	275,403	4
	56-60	30	1	4,675	140,237	2
	>60	10	<1	4,427	44,274	<1
	Unknown	2	<1	8,582	17,165	<1
Totals		2,582		2,943	7,598,316	

Table D-7. California commercial salmon troll boat-size catch . . . (continued).

Year	Length Category (feet)	Vessels		Catch		
		Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
1985	20<	246	11	786	193,445	4
	21-25	549	24	817	448,320	10
	26-30	423	18	1,378	583,086	13
	31-35	264	11	2,164	571,221	12
	36-40	392	17	3,197	1,253,334	27
	41-45	204	9	3,859	787,255	17
	46-50	148	6	3,712	549,354	12
	51-55	37	2	4,039	149,426	3
	56-60	32	1	2,236	71,551	2
	61-65	10	<1	1,157	11,573	<1
	66-70	-	-	-	-	-
	Unknown	3	<1	3,721	11,164	<1
Totals		2,308			4,629,731	
1984	20<	307	12	419	128,770	4
	21-25	644	25	493	317,213	11
	26-30	482	19	729	351,375	12
	31-35	278	11	1,310	364,051	12
	36-40	425	17	1,768	751,452	25
	41-45	210	8	2,546	534,655	18
	46-50	152	6	2,428	369,097	12
	51-55	29	1	3,091	89,653	3
	56-60	29	1	1,736	50,340	2
	61-65	10	<1	1,089	10,892	<1
	66-70	1	<1	73	73	<1
	Unknown	2	<1	1,443	2,886	<1
Totals		2,569			2,970,456	
1983	20<	465	14	341	158,538	7
	21-25	827	26	386	318,957	13
	26-30	557	17	536	298,564	12
	31-35	335	10	909	304,383	13
	36-40	504	16	1,165	587,369	24
	41-45	249	8	1,452	361,456	15
	46-50	179	6	1,385	247,950	10
	51-55	50	2	1,634	81,683	3
	56-60	35	1	1,062	37,179	2
	61-65	13	<1	887	11,534	<1
	66-70	1	<1	11	11	<1
	>71	6	<1	34	202	<1
Unknown	2	<1	971	1,941	<1	
Totals		3,223			2,404,097	
1982	20<	636	16	612	389,237	5
	21-25	995	25	815	810,738	10
	26-30	658	16	1,319	868,194	11
	31-35	406	10	2,344	951,672	12
	36-40	618	15	3,283	2,028,796	25
	41-45	315	8	4,438	1,397,844	17
	46-50	225	6	4,483	1,008,568	13
	51-55	80	2	4,049	323,952	4
	56-60	47	1	3,127	146,976	2
	61-65	20	<1	2,647	52,933	<1
	66-70	4	<1	542	2,166	<1
	>71	7	<1	671	4,694	<1
Unknown	2	<1	5,136	10,273	<1	
Totals		4,013			7,996,051	

Table D-7. California commercial salmon troll boat-size catch . . . (continued).

Year	Length Category (feet)	Vessels		Catch		
		Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
1981	20<	705	17	386	272,419	5
	21-25	1,012	25	551	557,399	9
	26-30	669	16	996	666,359	11
	31-35	395	10	1,841	727,332	12
	36-40	608	15	2,780	1,690,534	28
	41-45	301	7	3,597	1,082,745	18
	46-50	240	6	2,783	667,985	11
	51-55	81	2	2,776	224,870	4
	56-60	55	1	2,071	113,879	2
	61-65	24	1	1,356	32,549	1
	66-70	3	<1	177	532	<1
	>71	7	<1	175	1,227	<1
	Unknown	2	<1	1,932	3,863	<1
Totals		4,102			6,041,694	
1980	20<	899	19	295	265,227	4
	21-25	1,207	26	498	600,980	10
	26-30	751	16	940	705,880	12
	31-35	449	10	1,557	699,165	12
	36-40	652	14	2,271	1,480,781	25
	41-45	324	7	3,140	1,017,350	17
	46-50	252	5	2,989	753,176	12
	51-55	91	2	2,610	237,517	4
	56-60	63	1	2,710	170,761	3
	61-65	29	<1	1,791	51,947	1
	66-70	9	<1	156	1,404	<1
	>71	9	<1	70	627	<1
	Unknown	3	<1	11,113	33,338	<1
Totals		4,738			6,018,153	
1979	20<	1,049	22	545	571,611	7
	21-25	1,168	25	736	859,388	10
	26-30	690	15	1,275	879,448	10
	31-35	416	9	2,298	955,860	11
	36-40	615	13	3,647	2,242,923	26
	41-45	296	6	4,957	1,467,126	17
	46-50	205	4	5,105	1,046,621	12
	51-55	76	1	5,308	403,372	5
	56-60	46	1	5,063	232,901	3
	61-65	17	<1	3,317	56,393	1
	66-70	9	<1	1,110	9,987	<1
	>71	5	<1	334	1,669	<1
	Unknown	2	<1	8,444	16,887	<1
Totals		4,594			8,744,186	
1978	20<	1,233	25	447	550,850	8
	21-25	1,162	24	614	713,895	11
	26-30	700	14	1,143	800,217	12
	31-35	431	9	1,753	755,539	11
	36-40	650	13	2,516	1,635,382	24
	41-45	328	6	2,957	969,740	14
	46-50	233	5	3,614	842,111	12
	51-55	83	2	3,693	306,524	5
	56-60	62	1	2,819	174,789	3
	61-65	19	<1	2,022	38,426	<1
	66-70	9	<1	344	3,095	<1
	>71	7	<1	198	1,385	<1
	Unknown	2	<1	5,916	11,832	<1
Totals		4,919			6,803,783	

Table D-7. California commercial salmon troll boat-size catch. . . (continued).

Year	Vessels		Catch			
	Length Category (feet)	Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
1977	20<	871	21	466	406,906	7
	21-25	856	21	612	524,056	9
	26-30	556	13	1,229	722,182	12
	31-35	364	9	1,964	714,956	12
	36-40	529	13	2,568	1,358,628	23
	41-45	251	6	3,550	891,169	15
	46-50	157	4	4,033	633,247	11
	51-55	58	1	4,558	264,391	4
	56-60	55	1	2,716	149,395	3
	61-65	22	1	1,271	27,968	<1
	66-70	3	<1	990	2,969	<1
	>71	4	<1	2,169	8,667	<1
	Unknown	395	10	569	224,899	4
Totals		4,121			5,929,433	

a/ Derived from vessel registrations and fish landing tickets.

b/ Number of boats include only those recording pounds greater than zero.

c/ Preliminary.

Table D-8. Oregon salmon troll boat-size catch statistics in pounds of fish, 1978-1989.

Year	Length Category (feet)	Vessels		Poundage	
		Number ^{a/}	Percentage	Number	Percentage
1989 ^{b/}	<20	35	1.8	29,490	0.5
	20-29	916	47.3	1,541,729	27.8
	30-39	541	27.9	2,132,953	38.5
	40-49	350	18.1	1,531,492	27.6
	>50	95	4.9	311,513	5.6
	No length given	0	0.0	0	0.0
Totals		1,937		5,547,177	
1988	<20	43	2.1	46,218	0.6
	20-29	958	46.5	2,141,691	27.7
	30-39	575	27.9	2,838,356	36.8
	40-49	375	18.2	2,228,133	28.9
	>50	110	5.3	462,582	6.1
	No length given	0	0.0	0	0.0
Totals		2,061		7,721,980	
1987	<20	45	2.1	38,004	0.5
	20-29	1,035	49.0	1,667,504	23.2
	30-39	558	26.4	2,719,893	37.9
	40-49	356	16.9	2,278,977	31.7
	>50	117	5.5	481,146	6.7
	No length given	0	0.0	0	0.0
Totals		2,111		7,185,524	
1986	<20	55	2.4	39,096	0.7
	20-29	1,201	52.5	1,321,216	25.1
	30-39	562	24.6	1,936,359	36.7
	40-49	346	15.1	1,675,595	31.8
	>50	117	5.1	302,957	5.7
	No length given	7	0.3	615	0.0
Totals		2,288		5,275,838	
1985	<20	73	3.6	14,306	0.5
	20-29	1,067	52.0	468,105	16.9
	30-39	491	24.0	1,035,270	37.3
	40-49	304	14.8	1,078,753	38.9
	>50	104	5.1	166,640	6.0
	No length given	11	0.5	9,730	0.4
Totals		2,050		2,772,804	
1984	<20	15	2.0	2,111	0.4
	20-29	301	39.0	119,823	19.3
	30-39	260	33.7	260,983	42.0
	40-49	155	20.1	199,972	32.2
	>50	33	4.3	32,927	5.3
	No length given	7	0.9	5,004	0.8
Totals		771		620,820	
1983	<20	96	3.3	18,884	1.1
	20-29	1,559	52.8	538,997	30.7
	30-39	687	23.3	631,596	36.0
	40-49	421	14.3	458,043	26.1
	>50	166	5.6	90,047	5.1
	No length given	22	0.7	15,406	0.9
Totals		2,951		1,752,973	

Table D-8. Oregon salmon troll boat-size catch statistics . . . (continued).

Year	Length Category (feet)	Vessels		Poundage	
		Number ^{a/}	Percentage	Number	Percentage
1982	<20	115	3.5	53,528	1.1
	20-29	1,656	50.7	1,403,485	27.8
	30-39	760	23.2	1,757,422	34.8
	40-49	495	15.1	1,368,158	27.1
	≥50	205	6.3	434,457	8.6
	No length given	<u>38</u>	1.2	<u>40,234</u>	0.8
Totals		3,269		5,057,284	
1981	<20	138	3.8	57,187	1.1
	20-29	1,787	49.3	1,661,845	31.9
	30-39	834	23.1	1,859,471	35.6
	40-49	569	15.7	1,323,819	25.4
	≥50	235	6.5	268,036	5.1
	No length given	<u>52</u>	1.4	<u>37,393</u>	0.7
Totals		3,615		5,215,715	
1980	<20	172	4.4	35,745	0.8
	20-29	1,909	49.3	1,056,819	24.6
	30-39	865	22.3	1,502,453	35.0
	40-49	640	16.5	1,340,416	31.2
	≥50	269	6.9	343,213	8.0
	No length given	<u>20</u>	0.5	<u>14,982</u>	0.3
Totals		3,875		4,293,628	
1979	<20	129	4.1	95,119	1.3
	20-29	1,567	49.4	2,149,194	29.6
	30-39	718	22.6	2,401,024	33.0
	40-49	493	15.5	2,015,614	27.7
	≥50	177	5.6	532,875	7.3
	No length given	<u>90</u>	2.8	<u>78,773</u>	1.1
Totals		3,174		7,272,599	
1978	<20	155	4.7	73,470	1.2
	20-29	1,599	48.3	1,451,587	31.2
	30-39	730	22.1	1,585,081	34.0
	40-49	481	14.5	1,111,362	23.8
	≥50	185	5.6	381,883	8.2
	No length given	<u>158</u>	4.8	<u>56,422</u>	1.2
Totals		3,308		4,659,805	

a/ Includes only vessels with permits for 1980 to present.
b/ Preliminary.

Table D-9. Washington salmon troll boat-size catch statistics in pounds of fish, 1978-1989.

Year	Vessels			Catch	
	Length Category (feet)	Number	Percentage	Total Pounds	Percentage
1989 ^{a/}	<25	367	41.6	111,709	14.5
	26-36	236	26.7	153,601	19.9
	>36	229	25.9	474,865	61.7
	Unknown	<u>51</u>	5.8	<u>30,360</u>	3.9
	Totals	883		770,535	
1988 ^{a/}	<25	185	28.3	47,444	6.0
	26-36	191	29.4	138,280	17.4
	>36	220	33.8	554,618	69.7
	Unknown	<u>54</u>	8.3	<u>55,790</u>	7.0
	Totals	650		796,132	
1987	<25	375	42.5	131,629	17.2
	26-36	224	25.4	184,442	24.2
	>36	212	24.0	396,937	52.0
	Unknown	<u>72</u>	8.2	<u>49,866</u>	6.5
	Totals	883		762,874	
1986	<25	568	45.4	114,222	17.4
	26-36	352	28.1	190,489	29.0
	>36	268	21.4	327,016	49.7
	Unknown	<u>64</u>	5.1	<u>25,968</u>	3.9
	Totals	1,252		657,695	
1985	<20	90	7.2	22,860	2.4
	20-29	619	49.2	217,342	22.6
	30-39	285	22.6	333,212	34.6
	40-49	182	14.5	337,720	35.1
	≥50	55	4.4	44,118	4.6
	Unknown	<u>28</u>	2.2	<u>7,191</u>	0.8
	Totals	1,259		962,443	
1984	<20	16	4.2	3,862	1.9
	20-29	148	38.8	31,273	15.6
	30-39	104	27.3	76,186	37.9
	40-49	91	23.9	76,298	38.0
	≥50	11	2.9	6,747	3.4
	Unknown	<u>11</u>	2.9	<u>6,635</u>	3.3
	Totals	381		201,001	
1983	<20	127	6.2	12,615	1.4
	20-29	977	47.8	140,057	15.0
	30-39	450	22.0	351,408	37.5
	40-49	253	12.4	350,277	37.4
	≥50	75	3.7	36,543	3.9
	Unknown	<u>163</u>	8.0	<u>45,245</u>	4.8
	Totals	2,045		936,145	

Table D-9. Washington salmon troll boat-size catch statistics . . . (continued).

Year	Vessels			Catch	
	Length Category (feet)	Number	Percentage	Total Pounds	Percentage
1982	<20	159	7.1	47,417	1.8
	20-29	1,120	49.7	458,104	17.1
	30-39	550	24.4	910,175	34.0
	40-49	309	13.7	1,112,438	41.6
	>50	88	3.9	135,857	5.1
	Unknown	27	1.2	9,805	<1
Totals		2,253		2,673,793	
1981	<20	155	6.4	66,751	1.9
	20-29	1,171	48.0	786,251	21.9
	30-39	610	25.0	1,262,746	35.2
	40-49	341	14.0	1,222,774	34.1
	>50	106	4.4	218,151	6.1
	Unknown	56	2.3	34,040	1.0
Totals		2,439		3,590,713	
1980	<20	170	6.5	57,043	1.7
	20-29	1,299	49.5	534,604	15.7
	30-39	653	25.0	1,081,402	31.7
	40-49	370	14.1	1,372,662	40.3
	>50	112	4.3	298,042	8.8
	Unknown	22	<1	65,445	1.9
Totals		2,626		3,409,198	
1979	<20	165	6.0	123,014	1.6
	20-29	1,297	46.7	1,486,895	19.1
	30-39	676	24.3	2,652,928	34.1
	40-49	407	14.7	2,850,539	36.6
	>50	134	4.8	599,661	7.7
	Unknown	99	3.6	72,558	1.0
Totals		2,778		7,785,595	
1978	<20	253	8.3	108,421	2.3
	20-29	1,407	46.3	824,533	17.3
	30-39	716	23.5	1,524,774	31.9
	40-49	426	14.0	1,723,090	36.1
	>50	149	4.9	530,852	11.1
	Unknown	90	3.0	64,173	1.3
Totals		3,041		4,775,843	

a/ Preliminary.

Table D-10. Salmon landings and ex-vessel values by vessel size categories and California subports, 1989. (Preliminary).

Port	Vessel Length (feet)	Number of Deliveries	Total Pounds Landed	Total Ex-vessel Value	Percent Total Ex-vessel Value Landed in Port
Crescent City	<26	106	19,182	41,968	14
	26-36	184	39,692	89,716	31
	>36	232	69,709	156,496	54
	Unknown	6	660	1,471	1
Trinidad	<26	69	6,968	15,085	41
	26-36	69	9,600	20,985	58
	>36	8	158	383	1
	Unknown	2	16	31	<1
Eureka	<26	124	13,672	30,399	6
	26-36	297	58,100	129,061	26
	>36	493	143,207	315,746	64
	Unknown	62	8,482	18,814	4
Shelter Cove	<26	1,790	159,496	332,285	64
	26-36	503	70,264	139,145	27
	>36	138	22,867	45,694	9
	Unknown	19	1,951	3,863	1
Fort Bragg	<26	2,166	101,162	222,261	9
	26-36	2,669	437,765	957,523	37
	>36	1,768	627,048	1,371,363	53
	Unknown	130	18,300	38,761	1
Mendocino	<26	284	24,951	61,749	72
	26-36	144	8,151	17,832	21
	>36	29	2,449	5,189	6
	Unknown	6	209	475	1
Bodega Bay	<26	1,833	111,357	270,597	12
	26-36	2,880	371,404	863,196	38
	>36	1,728	482,086	1,112,287	49
	Unknown	109	12,527	28,768	1
San Francisco	<26	1,226	84,723	240,295	14
	26-36	665	122,043	313,996	19
	>36	930	463,099	1,085,164	65
	Unknown	72	8,945	24,297	1
Half Moon Bay	<26	757	78,444	193,570	10
	26-36	1,372	266,205	628,468	31
	>36	1,445	491,004	1,143,716	56
	Unknown	136	25,455	63,139	3
Santa Cruz	>26	961	69,035	174,756	23
	26-36	725	119,618	296,085	38
	>36	370	119,171	293,136	38
	Unknown	22	5,129	12,490	2
Moss Landing	<26	772	42,366	110,468	11
	26-36	845	101,427	252,147	25
	>36	525	271,834	649,154	64
	Unknown	25	1,543	3,898	<1
Monterey	<26	1,142	68,601	180,541	31
	26-36	1,270	100,147	262,780	45
	>36	165	51,996	130,447	22
	Unknown	82	4,423	12,524	2
Santa Barbara	<26	989	62,090	175,802	22
	26-36	1,015	104,999	288,284	36
	>36	400	119,983	328,335	41
	Unknown	43	4,967	13,789	2

Table D-11. Nontreaty troll salmon landings and ex-vessel values by vessel size categories for Washington port areas, 1989.^{a/}

Port	Vessel Length (feet)	Number of Boats	Boat Days Fished	Total Dressed Pounds Landed	Total Ex-vessel Value	Percent Total Ex-vessel Value Landed by Port
Neah Bay	<25	51	217	54,748	61,906	21.97
	26-36	25	112	40,360	41,757	14.82
	>36	30	114	140,102	175,781	62.37
	Unknown	6	16	2,023	2,395	0.85
Grays Harbor-La Push	<25	180	606	27,385	60,318	9.39
	26-36	117	495	62,293	136,876	21.32
	<36	131	515	197,824	422,341	65.78
	Unknown	18	34	10,187	22,547	3.51
Columbia River Ports	<25	46	100	6,301	9,366	9.74
	26-36	30	164	24,389	37,588	39.07
	>36	24	123	28,961	45,831	47.64
	Unknown	11	23	2,742	3,420	3.55
Puget Sound	<25	90	252	23,275	34,439	11.31
	26-36	64	158	26,559	37,928	12.46
	>36	44	131	107,978	197,825	64.97
	Unknown	16	33	15,408	34,307	11.27

a/ Preliminary.

Table D-12. California ocean commercial salmon landing statistics including salmon fleet size and number of vessels landing 50 and 90 percent of total landings, 1977-1989.

Year	Total Vessels	50 Percent of Landings		90 Percent of Landings		Total Pounds
		Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet	
1977	3,797	NA	NA	NA	NA	5,930,000
1978	4,919	542	11.0	2,024	41.1	6,803,832
1979	4,594	373	8.1	1,641	35.7	8,745,769
1980	4,738	431	9.1	1,733	36.6	6,019,398
1981	4,102	395	9.6	1,599	39.0	6,041,694
1982	4,013	438	10.9	1,602	40.0	7,996,051
1983	3,223	353	11.0	1,268	39.4	2,409,766
1984	2,569	213	8.3	918	35.7	2,970,456
1985	2,308	241	10.4	898	38.9	4,629,731
1986	2,582	302	11.8	1,151	45.1	7,598,316
1987	2,442	320	13.2	1,080	44.5	9,296,160
1988	2,571	409	15.9	1,285	50.0	14,750,301
1989 ^{a/}	2,501	351	14.0	1,223	48.9	5,608,678

a/ Preliminary.

Table D-13. Number of vessels landing 50 percent and 90 percent of total Oregon salmon troll catch each year, 1974-1989.

Year	Total Vessels	50 Percent of Landings		90 Percent of Landings	
		Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet
1974	1,914	326	17.0	1,032	53.9
1975	1,979	329	16.6	1,054	53.3
1976	2,770	453	16.4	1,460	52.7
1977	3,108	473	15.2	1,597	51.4
1978	3,157	446	14.1	1,576	49.9
1979	3,114	423	13.6	1,449	46.5
1980	3,875	372	9.6	1,375	35.5
1981	3,615	420	11.6	1,391	38.5
1982	3,269	359	11.0	1,249	38.2
1983	2,951	294	10.0	1,082	36.7
1984	771	88	11.4	333	43.2
1985	2,050	132	6.4	514	25.1
1986	2,284	238	10.4	851	37.3
1987	2,111	292	13.8	928	44.0
1988	2,061	337	16.4	1,069	51.9
1989 ^{b/}	1,937	303	15.6	959	49.5

a/ Includes licensed (permitted for 1980-1983) and properly identified vessels only. Total poundage on which the numbers are based is **not** equal to total aggregate troll landings because of landings by unlicensed or misidentified vessels. Percentages of total pounds not credited to licensed (permitted) vessels were: 1974--19 percent; 1975--19 percent; 1976--9.4 percent; 1977--8.0 percent; 1978--1.4 percent; 1979--0.2 percent; 1980--1.7 percent; 1981--.11 percent; and 1982-1989--less than .05 percent.

b/ Preliminary.

Table D-14. Yearly number of vessels landing 50 and 90 percent (by numbers of fish) of the total Washington troll salmon catch, 1978-1989.

Year	Total Vessels	50 Percent of Landings		90 Percent of Landings	
		Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet
1978	3,041	223	7.3	1,040	34.2
1979	2,778	253	9.1	946	34.1
1980	2,626	206	7.8	883	33.6
1981	2,439	214	8.8	810	33.2
1982	2,253	181	8.0	703	31.2
1983	2,056	75	3.6	409	19.9
1984	374	55	14.7	180	48.1
1985	1,259	104	8.3	443	35.2
1986	1,252	100	8.0	387	30.9
1987	883	97	11.0	385	43.6
1988 ^{a/}	650	51	7.8	239	36.8
1989 ^{a/}	883	70	7.9	268	30.4

a/ Preliminary.

Table D-15. California troll fleet by home state and salmon landings, 1989. (Preliminary)

Home State	Number	Percent	Landings		Total	
			Pounds	Percent	Value	Percent
California	2,197	88	4,873,440	87	\$11,474,241	87
Oregon	131	5	367,866	7	818,942	6
Washington	31	1	87,716	2	193,428	1
Unknown/Other	<u>142</u>	6	<u>279,657</u>	5	<u>681,810</u>	3
Total	2,501		5,608,678		\$13,168,421	

Table D-16. Oregon troll fleet by home state and salmon landings, 1989. a/

Home State	Number	Percent	Landings (Pounds)	Percent
Oregon	1,550	80.0	4,345,240	78.3
California	109	5.6	315,471	5.7
Washington	250	12.9	813,213	14.7
Unknown/Other	<u>28</u>	1.4	<u>73,253</u>	1.3
Total	1,937		5,547,177	

a/ Preliminary.

Table D-17. Washington salmon troll fleet by home state and salmon landings, 1989.^{a/}

Home State	Number of Vessels	Percent	Landings (Pounds)	Percent
Washington	814	92.19	709,739	92.11
Oregon	8	0.91	2,112	0.27
California	0	0	0	0
Alaska	9	1.02	28,241	3.67
Other/Unknown	52	5.89	30,443	3.95
Total	883	100.00	770,535	100.00

a/ Preliminary.

Table D-18. Vessels landing salmon in California by home state and length, 1978-1989.

Home State ^{a/}	Length	1978	1979	1980	1981	1982 ^{b/}	1983	1984	1985	1986	1987	1988	1989 ^{c/}
California	<26	2,325	2,243	2,069	1,611	1,535	1,223	909	769	866	831	834	766
	26-36	1,165	1,152	1,248	1,052	1,051	891	805	731	815	759	788	769
	>36	1,006	980	1,138	865	873	733	620	630	658	641	670	662
	Subtotal	4,496	4,375	4,455	3,528	3,459	2,847	2,334	2,130	2,339	2,231	2,292	2,197
Oregon	<26	97	68	97	64	59	41	25	6	22	11	12	15
	26-36	176	158	163	126	117	82	47	23	60	42	42	37
	>36	262	210	228	204	196	125	84	66	98	85	92	79
	Subtotal	535	436	488	394	372	248	156	95	180	138	146	131
Washington	<26	5	3	6	2	2	0	2	2	1	2	1	1
	26-36	16	20	25	11	16	13	10	7	8	4	7	5
	>36	85	59	90	66	64	34	34	15	27	34	35	25
	Subtotal	106	82	121	79	82	47	46	24	36	40	43	31
Total ^{d/}	<26	2,462	2,338	2,189	1,717	1,631	1,292	951	795	898	854	895	868
	26-36	1,365	1,338	1,447	1,224	1,223	1,020	871	784	891	816	855	840
	>36	1,378	1,266	1,478	1,159	1,157	909	745	726	790	769	817	790
Grand Total ^{e/}	5,209	4,947	5,119	4,102	4,013	3,223	2,569	2,308	2,582	2,442	2,571	2,501	

a/ "Home state" refers to the declared state of residence of vessel skipper, who, in most cases, is also the vessel owner.

b/ Length category for 1982 is ≥ 36 .

c/ Preliminary.

d/ Includes vessels with home state other than California, Oregon, or Washington and vessels of unknown length.

e/ These totals also include a number of vessels with home states other than California, Oregon, or Washington and several vessels of unknown length.

Table D-19. Vessels landing salmon by home state and vessel length. South coast of California (Fort Bragg--south only) 1977-1986. Data not available after 1986.

Home State ^{a/}	Length	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
California	<26	1,114	1,465	1,422	1,454	1,177	1,152	891	722	767	740
	26-36	812	914	919	1,008	901	906	766	684	723	740
	>36	<u>572</u>	<u>691</u>	<u>632</u>	<u>793</u>	<u>720</u>	<u>738</u>	<u>640</u>	<u>551</u>	<u>609</u>	<u>600</u>
	Subtotal	2,498	3,070	2,973	3,255	2,798	2,796	2,298 ^{b/}	1,957	2,099	2,080
Oregon	<26	10	16	7	14	10	10	58	4	6	3
	26-36	18	21	15	19	14	29	55	9	20	26
	>36	<u>38</u>	<u>46</u>	<u>24</u>	<u>40</u>	<u>36</u>	<u>82</u>	<u>85</u>	<u>47</u>	<u>64</u>	<u>65</u>
	Subtotal	66	83	46	73	60	121	198	60	90	94
Washington	<26	2	2	0	2	1	2	13	3	2	3
	26-36	1	3	4	4	3	7	9	8	6	6
	>36	<u>15</u>	<u>17</u>	<u>8</u>	<u>21</u>	<u>14</u>	<u>26</u>	<u>15</u>	<u>16</u>	<u>11</u>	<u>14</u>
	Subtotal	18	22	12	27	18	35	37	27	19	23
Total	<26	1,128	1,487	1,435	1,474	1,191	1,168	971	732	793	751
	26-36	833	945	944	1,039	925	951	841	707	772	779
	>36	<u>636</u>	<u>768</u>	<u>676</u>	<u>867</u>	<u>781</u>	<u>859</u>	<u>759</u>	<u>623</u>	<u>699</u>	<u>687</u>
	Grand Total ^{b/c/}	2,812	3,202	3,057	3,382	2,898	2,979	2,574	2,064	2,667	2,220

a/ "Home state" refers to the declared state of residence of vessel skipper, who, in most cases, was also the vessel owner.

b/ Includes several vessels of unknown length.

c/ Totals include the following vessels with home states other than California, Oregon, or Washington: 1977--15 vessels; 1978--27 vessels; 1979--26 vessels; 1980--27 vessels; 1981--22 vessels; 1982--27 vessels; 1983--41 vessels; 1984--20 vessels; 1985--59 vessels, and 1986--23 vessels.

Table D-20. Vessels landing salmon by home state and length of vessel. North coast of California (Crescent City--Eureka only), 1977-1986. Data not available after 1986.

Home State ^{a/}	Length	1972-1975											
		Average	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
California	<25	378	455	583	860	818	610	476	438	341	205	4	146
	26-36	147	165	218	251	233	238	222	214	170	142	29	146
	>36	<u>154</u>	<u>216</u>	<u>295</u>	<u>315</u>	<u>348</u>	<u>343</u>	<u>309</u>	<u>270</u>	<u>182</u>	<u>133</u>	<u>62</u>	<u>158</u>
	Subtotal	679	836	1,096	1,426	1,399	1,191	1,007	922	693	480	95	450
Oregon	<25	25	24	43	81	61	83	59	54	33	22	0	19
	26-36	76	106	69	155	143	144	121	110	74	43	4	45
	>36	<u>119</u>	<u>144</u>	<u>42</u>	<u>216</u>	<u>186</u>	<u>188</u>	<u>192</u>	<u>170</u>	<u>105</u>	<u>56</u>	<u>11</u>	<u>68</u>
	Subtotal	220	274	254	452	390	415	372	334	212	121	15	132
Washington	<25	0	0	0	3	3	4	2	2	0	1	0	1
	26-36	3	2	2	13	16	21	10	15	10	2	1	3
	>36	<u>40</u>	<u>25</u>	<u>26</u>	<u>68</u>	<u>51</u>	<u>68</u>	<u>59</u>	<u>58</u>	<u>31</u>	<u>28</u>	<u>4</u>	<u>26</u>
	Subtotal	43	27	28	84	70	93	71	75	41	36	5	30
Total	<25	403	479	644	975	900	710	553	505	386	236	4	169
	26-36	226	273	290	420	394	406	359	349	260	193	35	195
	>36	<u>313</u>	<u>385</u>	<u>192</u>	<u>610</u>	<u>590</u>	<u>607</u>	<u>569</u>	<u>502</u>	<u>321</u>	<u>219</u>	<u>77</u>	<u>254</u>
	Grand Total ^{b/c/}	942	1,137	1,597 ^{c/}	2,007	1,886	1,726	1,483	1,358	968	650	116	620

a/ "Home state" refers to the declared state of residence of vessel skipper, who, in most cases, was also the vessel owner.
b/ These totals include several vessels with home states other than California, Oregon, or Washington. By year, the number included are as follows: 1977--27 vessels; 1978--45 vessels; 1979--27 vessels; 1980--27 vessels; 1981--48 vessels; 1982--19 vessels 1984--10 vessels; 1985--1 vessel; and 1986--8 vessels.
c/ Includes several vessels of unknown length.

Table D-21. Percentages of vessels landing salmon in Oregon by license holder's state of residence, 1977-1989.

Year	Oregon	California	Washington	Other/Unknown
1977	83.8	6.9	8.7	0.6
1978	83.6	5.9	10.0	0.5
1979	82.5	6.5	10.3	0.7
1980	80.4	8.5	9.6	1.5
1981	81.2	7.4	9.9	1.6
1982	82.1	6.3	10.2	1.4
1983	85.0	3.9	10.1	1.0
1984	85.2	2.9	11.0	0.9
1985	86.9	4.0	8.0	1.1
1986	84.5	5.2	9.1	1.2
1987	81.7	6.8	10.2	1.2
1988	78.7	6.4	13.5	1.3
1989 ^{a/}	80.0	5.6	12.9	1.4

a/ Preliminary.

Table D-22. Percentages of vessels landing troll salmon in Washington by license holder's state of residence, 1978-1989.

Year	Washington	Oregon	California	Alaska	Other/Unknown
1978	90.8	4.6	0.3	0.2	4.1
1979	90.9	3.8	0.3	0.3	4.7
1980	93.7	3.6	0.3	0.3	2.1
1981	92.6	3.0	0.4	0.2	3.8
1982	92.6	4.1	0.6	-	2.8
1983	92.7	2.8	0.2	0.1	4.2
1984	94.8	1.6	0.0	0.0	3.7
1985	92.7	3.3	0.2	0.2	3.6
1986	93.1	1.7	0.0	0.1	5.1
1987	90.4	1.3	0.0	<0.1	8.0
1988	88.0	1.8	0.2	1.5	8.5
1989 ^{a/}	92.2	0.9	0.0	1.0	5.9

a/ Preliminary.

Table D-23. Number of California charter boats participating in the ocean recreational salmon fishery, by port area and activity level, 1987-1989 seasons.^{a/}

Year	Activity Level ^{a/}	Port Area					Unknown ^{b/}	Totals
		Monterey	San Francisco	Fort Bragg	Eureka	Crescent City		
1987	Active	20	62	6	4	4	0	96
	Casual	<u>11</u>	<u>30</u>	<u>1</u>	<u>6</u>	<u>1</u>	<u>4</u>	<u>53</u>
	Total	31	92	7	10	5	4	149
1988	Active	19	58	8	6	3	1	95
	Casual	<u>13</u>	<u>24</u>	<u>4</u>	<u>5</u>	<u>1</u>	<u>24</u>	<u>71</u>
	Total	32	82	12	11	4	25	166
1989 ^{c/}	Active	17	54	5	11	1	1	89
	Casual	<u>8</u>	<u>30</u>	<u>17</u>	<u>5</u>	<u>0</u>	<u>1</u>	<u>61</u>
	Total	25	84	22	16	1	2	150

a/ Active vessels landed over 100 salmon; casual vessels landed 1 to 100 salmon.

b/ Unknown vessels did not report port of landing or landed in 2 or more port areas during the season.

c/ Preliminary.

Table D-24. Number of charter boats licensed in Oregon, 1980-1989.

Year	Total Number Licensed Charter Boats	Licensed by Oregon Residents	Licensed by Washington Residents	Licensed by Residents of Other States
1980	194	192	2	0
1981	248	213	34	1
1982	253	212	40	1
1983	255	206	47	2
1984	218	185	31	2
1985	226	198	25	3
1986	247	216	26	5
1987	254	226	23	5
1988	313	266	42	5
1989	322	273	44	5

Table D-25. Number of salmon charter boats licensed in Washington, 1975-1989.

Year	Number of Licenses Issues
1975	404
1976	427
1977 ^{a/}	569
1978	535
1979	516
1980	510
1981	478
1982	414
1983	363
1984	355 ^{b/c/}
1985	316 ^{d/}
1986	298 ^{e/}
1987	272
1988	281
1989	268

a/ First year moratorium in effect.

b/ Vessel license refund program participated in by 85 boats in 1984.

c/ Buy-back program purchased 21 percent of the 355 total licenses issued during 1984.

d/ Buy-back program purchased 19 licenses of the total 316 issued during 1985.

e/ Buy-back program purchased 14 licenses of the total 298 issued during 1986.