

APPENDIX D

Historical Economic Data

APPENDIX D TABLES

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Table D-1. California troll chinook and coho average dressed weights (pounds) by area of landing and month for 1981-1988, 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
<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
<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	-	5.9	6.6	7.4	7.0	6.5
<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

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
<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	-	6.1	5.7	6.1	-	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
<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

Table D-2. Oregon monthly commercial troll chinook and coho salmon average dressed weights, 1976-1988 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 ^{a/}	8.6	9.5	9.4	9.3	9.9	9.3	14.4	9.3
<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 ^{a/}	-	5.2	5.2	5.9	-	-	-	5.4

a/ Preliminary.

Table D-3. Washington monthly commercial troll chinook and coho salmon average dressed weights, 1979-1988. 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 ^{c/}	-	-	-	-	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	-
<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 ^{c/}	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

a/ Split between treaty and nontreaty beginning in 1979. Treaty statistics include landings from Strait of Juan de Fuca.
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 ^{a/} of registered vessels making commercial salmon landings, 1960-1988.

Year	Pounds Landed	Ex-Vessel Value	Vessels Landing Salmon ^{c/}	Nominal Average Ex-Vessel Value/Vessel	Real Average Ex-Vessel Value/Vessel ^{b/}
1960	6,221,000	\$ 3,339,000	1,365	\$ 2,450	\$ 9,048
1961	8,638,000	4,698,000	1,615	2,910	10,642
1962	6,673,000	4,023,000	1,563	2,570	9,223
1963	7,849,000	3,959,000	1,611	2,460	8,688
1964	9,481,000	5,013,000	1,774	2,830	9,856
1965	9,674,000	4,989,000	2,001	2,490	8,492
1966	9,447,000	4,845,000	1,929	2,510	8,284
1967	7,402,000	3,945,000	2,137	1,850	5,927
1968	6,952,000	4,014,000	2,249	1,780	5,468
1969	6,151,000	3,843,000	2,125	1,810	5,294
1970	6,629,000	5,101,000	2,065	2,470	6,844
1971	8,117,000	4,757,000	2,221	2,140	5,654
1972	6,423,000	4,830,000	2,392	2,020	5,119
1973	9,669,000	8,991,000	2,848	3,160	7,575
1974	8,749,000	8,013,000	3,185	2,520	5,545
1975	6,925,000	6,972,000	3,150	2,210	4,464
1976	7,788,000	10,707,000	3,526	3,040	5,829
1977	5,930,000	12,074,000	3,797	3,180	5,752
1978	6,804,000	11,001,000	4,919	2,240	3,777
1979	8,746,000	21,870,000	4,593	4,290	6,691
1980	6,019,000	13,141,000	4,738	2,770	3,929
1981	6,042,000	15,034,000	4,102	3,665	4,748
1982	7,996,000	19,819,000	4,013 (5,964)	4,940	6,080
1983	2,410,000	4,618,000	3,223 (4,617)	1,430	1,681
1984	2,970,000	7,884,000	2,569 (4,180)	3,070	3,471
1985	4,630,000	11,515,000	2,308 (3,896)	4,990	5,446
1986	7,598,000	15,113,000	2,582 (3,753)	5,853	6,014
1987	9,296,000	25,624,000	2,442 (3,533)	10,493	10,868
1988 ^{d/}	14,671,000	41,629,000	2,562 (3,493)	16,249	16,249

a/ Derived from vessel registrations and fish landing tickets.

b/ Expressed in 1988 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, 1974-1988.

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 ^{d/}	2,111	2,616
1988 ^{d/}	2,053	2,582

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, 1978-1988.

Year 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

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, 1974-1988.

Year ^{a/}	Vessels			Catch		
	Length Category (feet)	Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
1988 ^{c/}	20<	275	11	1,835	504,642	3
	21-25	617	24	2,918	1,800,459	12
	26-30	444	17	4,298	1,908,479	13
	31-35	308	12	6,299	1,940,036	13
	36-40	429	17	8,356	3,584,586	24
	41-45	228	9	10,364	2,363,096	16
	46-50	170	7	9,491	1,613,398	11
	51-55	45	2	11,668	525,078	4
	56-60	31	1	8,792	272,564	2
	>60	13	1	10,921	141,979	1
	Unknown	2	<1	8,526	17,052	<1
Totals		2,562		5,727	14,671,369	
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	
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	

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

Year ^{a/}	Vessels		Catch			
	Length Category (feet)	Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
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	
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	

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

Year ^{a/}	Vessels		Catch			
	Length Category (feet)	Number ^{b/}	Percentage	Average Catch Per Boat (pounds)	Total Catch (pounds)	Percent of Total
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		
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, 1978-1988.

Year	Length Category (feet)	Vessels		Poundage	
		Number ^{a/}	Percentage	Number	Percentage
1988 ^{b/}	<20	43	2.1	41,460	0.5
	20-29	954	46.5	2,063,544	27.1
	30-39	573	27.9	2,869,255	37.6
	40-49	373	18.2	2,184,776	28.7
	≥50	110	5.4	462,587	6.1
	No length given	0	0	0	0
Totals		2,053		7,621,622	
1987 ^{b/}	<20	44	2.1	37,953	0.5
	20-29	1,024	49.1	1,657,469	23.2
	30-39	552	26.4	2,702,410	37.8
	40-49	352	16.9	2,263,017	31.7
	≥50	115	5.5	480,846	6.7
	No length given	0	0.0	0	0.0
Totals		2,087		7,141,695	
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	
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	38	1.2	40,234	0.8
Totals		3,269		5,057,284	

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

Year	Length Category (feet)	Vessels		Poundage	
		Number ^{a/}	Percentage	Number	Percentage
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, 1978-1988.

Year	Vessels			Catch	
	Length Category (feet)	Number	Percentage	Total Pounds	Percentage
1988 ^{a/}	<25	185	28.3	47,444	6.0
	25-36	191	29.4	138,280	17.4
	>36	220	33.8	554,618	69.7
	Unknown	54	8.3	55,790	7.0
	Totals	650			
1987	<25	375	42.5	131,629	17.2
	25-36	224	25.4	184,442	24.2
	>36	212	24.0	396,937	52.0
	Unknown	72	8.2	49,866	6.5
	Totals	883		762,874	
1986	<25	568	45.4	114,222	17.4
	25-36	352	28.1	190,489	29.0
	>36	268	21.4	327,016	49.7
	Unknown	64	5.1	25,968	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	28	2.2	7,191	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	11	2.9	6,635	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	163	8.0	45,245	4.8
Totals	2,045		936,145		
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		

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

Year	Vessels			Catch	
	Length Category (feet)	Number	Percentage	Total Pounds	Percentage
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, 1988. (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	30	5,607	15,112	3
	26-36	59	33,527	91,174	16
	>36	126	166,991	453,006	81
	Unknown	0	0	0	0
Trinidad	<26	55	6,915	17,893	40
	26-36	44	9,261	25,299	57
	>36	6	379	1,321	3
	Unknown	0	0	0	0
Eureka	<26	103	15,174	40,995	2
	26-36	257	166,443	482,866	28
	>36	405	436,442	1,195,551	70
	Unknown	0	0	0	0
Shelter Cove	<26	2,249	314,250	870,324	60
	26-36	816	142,744	387,888	27
	>36	308	71,246	194,901	13
	Unknown	1	49	131	<1
Fort Bragg	<26	4,563	349,856	980,062	10
	26-36	5,816	1,372,415	3,816,960	38
	>36	3,853	1,843,304	5,120,770	52
	Unknown	18	949	3,236	<1
Mendocino	<26	1,162	163,374	460,421	58
	26-36	522	89,634	248,904	31
	>36	112	27,588	80,170	10
	Unknown	4	567	1,649	<1
Bodega Bay	<26	4,582	567,010	1,680,464	16
	26-36	5,004	1,307,064	3,752,463	35
	>36	3,500	1,870,679	5,308,947	49
	Unknown	38	6,412	20,513	<1
San Francisco ^{a/}	<26	1,165	151,021	463,751	9
	26-36	734	316,294	899,769	17
	>36	1,393	1,397,302	3,885,703	74
	Unknown	20	6,132	19,417	<1
Half Moon Bay	<26	1,115	158,933	452,416	11
	26-36	1,800	486,462	1,364,368	32
	>36	1,260	882,668	2,458,181	57
	Unknown	9	2,108	7,769	<1
Santa Cruz	>26	1,682	208,868	629,117	32
	26-36	990	249,752	734,451	37
	>36	364	214,399	619,373	31
	Unknown	2	141	412	<1
Moss Landing	<26	1,000	102,556	298,335	13
	26-36	1,137	158,006	446,034	20
	>36	818	536,542	1,525,885	67
	Unknown	0	0	0	0
Monterey	<26	1,472	134,866	403,062	39
	26-36	1,268	146,601	437,499	42
	>36	162	66,293	198,595	19
	Unknown	3	399	1,171	<1
Santa Barbara	<26	1,321	126,670	404,710	26
	26-36	974	176,134	558,348	36
	>36	370	180,960	568,650	37
	Unknown	1	295	959	<1

a/ Exclusive of Half Moon Bay beginning 1988.

Table D-11. Nontreaty troll salmon landings and ex-vessel values by vessel size categories for Washington port areas, 1988.

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	<26	8	42	1,900	6,092	2.1
	26-35	17	109	4,422	13,841	4.8
	>35	22	123	74,295	229,993	79.0
	Unknown	3	17	14,010	41,309	14.2
Grays Harbor-La Push	<26	95	456	15,616	42,557	5.8
	26-35	100	640	71,918	193,694	26.2
	<35	112	554	173,140	466,989	63.2
	Unknown	20	51	13,060	35,639	4.8
Columbia River Ports	<26	16	280	11,915	35,182	19.7
	26-35	25	196	21,654	59,527	33.4
	>35	18	114	25,537	70,780	39.7
	Unknown	10	34	4,872	12,912	7.2
Puget Sound	<26	65	443	18,013	53,229	4.7
	26-35	49	295	40,286	120,203	10.7
	>35	68	390	281,646	879,960	78.0
	Unknown	21	57	23,848	75,027	6.6

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, 1977-1988.

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 ^{a/}	2,562	407	15.9	1,283	50.1	14,671,369

a/ Preliminary.

Table D-13. Number of vessels landing 50 percent and 90 percent of total Oregon salmon troll catch each year, 1974-1988.

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 ^{b/}	2,111	293	13.9	928	44.0
1988 ^{b/}	2,053	335	16.3	1,065	51.9

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 1982-1988--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, 1978-1988.

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	31.7
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	20.1	180	65.7
1985	1,259	104	8.3	443	35.2
1986	1,252	100	8.0	387	30.9
1987 ^{a/}	883	97	11.0	385	43.6
1988 ^{a/}	650	51	7.8	239	67.7

a/ Preliminary.

Table D-15. California troll fleet by home state and salmon landings, 1988. (Preliminary)

Home State	Number	Percent	Landings		Total	
			Pounds	Percent	Value	Percent
California	2,283	89.1	12,683,703	86.5	\$36,174,189	86.9
Oregon	147	5.7	1,206,666	8.2	3,294,436	7.9
Washington	43	1.7	344,759	2.3	920,733	2.2
Unknown/Other	<u>89</u>	3.5	<u>436,241</u>	3.0	<u>1,239,636</u>	3.0
Total	2,562		14,671,369		\$41,628,994	

Table D-16. Oregon troll fleet by home state and salmon landings, 1988. a/

Home State	Number	Percent	Landings (Pounds)	Percent
Oregon	1,617	78.8	5,778,244	75.8
California	132	6.4	514,231	6.7
Washington	270	13.2	1,201,518	15.8
Unknown/Other	<u>34</u>	1.7	<u>127,629</u>	1.7
Total	2,053		7,621,622	

a/ Preliminary.

Table D-17. Washington salmon troll fleet by home state and salmon landings, 1988.^{a/}

Home State	Number of Vessels	Percent	Landings (Pounds)	Percent
Washington	572	88.0	712,800	89.5
Oregon	12	1.8	16,500	2.1
California	1	0.2	<100	0.0
Alaska	10	1.5	11,100	1.4
Other/Unknown	55	8.5	55,800	7.0
Total	650	100.0	796,100	100.0

a/ Preliminary.

Table D-18. Vessels landing salmon in California by home state and length, 1978-1988.

Home State ^{a/}	Length	1978	1979	1980	1981	1982 ^{b/}	1983	1984	1985	1986	1987	1988 ^{c/}
California	<26	2,325	2,243	2,069	1,611	1,535	1,223	909	769	866	831	829
	26-36	1,165	1,152	1,248	1,052	1,051	891	805	731	815	759	786
	>36	1,006	980	1,138	865	873	733	620	630	658	641	668
	Subtotal	4,496	4,375	4,455	3,528	3,459	2,847	2,334	2,130	2,339	2,231	2,283
Oregon	<26	97	68	97	64	59	41	25	6	22	11	12
	26-36	176	158	163	126	117	82	47	23	60	42	44
	>36	262	210	228	204	196	125	84	66	98	85	91
	Subtotal	535	436	488	394	372	248	156	95	180	138	147
Washington	<26	5	3	6	2	2	0	2	2	1	2	1
	26-36	16	20	25	11	16	13	10	7	8	4	7
	>36	85	59	90	66	64	34	34	15	27	34	35
	Subtotal	106	82	121	79	82	47	46	24	36	40	43
Total ^{d/}	<26	2,462	2,338	2,189	1,717	1,631	1,292	951	795	898	854	892
	26-36	1,365	1,338	1,447	1,224	1,223	1,020	871	784	891	816	854
	>36	1,378	1,266	1,478	1,159	1,157	909	745	726	790	769	813
	Grand Total ^{e/}	5,209	4,947	5,119	4,102	4,013	3,223	2,569	2,308	2,582	2,442	2,562

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	154	216	295	315	348	343	309	270	182	133	62	158
	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	119	144	42	216	186	188	192	170	105	56	11	68
	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	40	25	26	68	51	68	59	58	31	28	4	26
	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	313	385	192	610	590	607	569	502	321	219	77	254
	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, 1977-1988.

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 ^{a/}	81.8	6.8	10.5	0.9
1988 ^{a/}	78.8	6.4	13.2	1.7

a/ Preliminary.

Table D-22. Percentages of vessels landing troll salmon in Washington by license holder's state of residence, 1978-1988.

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

Table D-23. Number of California charter boats participating in the ocean recreational salmon fishery, by port area and activity level, 1987-1988 seasons.^{a/}

Year	Activity Level ^{a/}	Port Area						Totals
		Monterey	San Francisco	Port Bragg	Eureka	Crescent City	Unknown ^{b/}	
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

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.

Table D-24. Number of charter boats licensed in Oregon, 1980-1988.

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 ^{a/}	254	226	23	5
1988 ^{a/}	313	266	42	5

a/ Preliminary.

Table D-25. Number of salmon charter boats licensed in Washington, 1975-1988.

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

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.