

APPENDIX D

Historical Economic Data

APPENDIX D TABLES
Historical Economic Data

	<u>Page</u>
D-1. California troll chinook and coho average weights (pounds) by area of landing and month for 1976-1985, with 1971-1975 average.....	D-1
D-2. Monthly Oregon commercial troll chinook and coho salmon average dressed weights.....	D-3
D-3. Monthly Washington commercial troll chinook and coho salmon average dressed weights.....	D-4
D-4. Commercial landings (dressed wt.) and value (dollars) of salmon to California, and number of registered vessels making commercial salmon landings.....	D-5
D-5. Number of vessels landing troll-caught salmon in Oregon, 1974-1985.....	D-6
D-6. Number of vessels landing troll-caught salmon in Washington, 1978-1985.....	D-7
D-7. California commercial salmon troll boat-size catch statistics, 1974-1985 (pounds-dressed).....	D-8
D-8. Oregon salmon troll boat-size catch statistics (pounds of fish), 1978-1985.....	D-10
D-9. Washington salmon troll boat-size catch statistics (pounds of fish), 1978-1985.....	D-11
D-10. California ocean commercial salmon landings statistics including salmon fleet size and number of vessels landing 50 percent and 90 percent of total landings.....	D-12
D-11. Number of vessels landing 50 percent and 90 percent of total Oregon salmon troll catch each year, 1974-1985.....	D-13
D-12. Yearly number of vessels landing 50 percent and 90 percent (by numbers of fish) of the total Washington troll salmon catch, 1979-1985.....	D-14
D-13. Vessels landing salmon in California by length and home state--combined north coast and south coast, 1978-1985.....	D-15
D-14. Vessels landing salmon by home state and vessel length. South coast of California (Fort Bragg--south only) 1978-1985.....	D-16
D-15. Vessels landing salmon by home state and length of vessel. North coast of California (Crescent City--Eureka only), 1978-1985.....	D-17

	<u>Page</u>
D-16. Percentages of vessels landing troll salmon in Oregon by license holder's state of residence, 1977-1985.....	D-18
D-17. Percentages of vessels landing troll salmon in Washington by license holder's state of residence, 1978-1985.....	D-19
D-18. Number of charter boats licensed in Oregon.....	D-20
D-19. Washington charter boat licenses, 1975-1985.....	D-21

Table D-1. California troll chinook and coho average weights (pounds) by area of landing and month for 1976-1985, with 1971-1975 average.

Area of Landing	April	May	June	July	Aug.	Sept.	Season	May	June	July	Aug.	Sept.	Season
	<u>CHINOOK</u>							<u>COHO</u>					
<u>Crescent City</u>													
1971-1975 Average	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	6.8	8.4	8.7	8.0	9.2	7.4	8.6	3.7	4.2	5.7	6.2	7.4	4.5
1977	10.3	8.6	9.7	9.6	10.7	8.6	9.5	4.2	5.3	7.7	8.1	9.7	6.7
1978	8.6	8.3	8.4	8.4	8.4	8.4	8.4	4.0	4.1	4.2	4.2	4.2	4.2
1979	b/	8.1	8.2	8.7	8.9	8.9	8.9	4.1	4.4	6.2	6.4	6.4	6.4
1980	-	8.8	10.6	10.3	10.2	9.1	9.3	4.1	4.4	5.8	6.8	7.1	6.2
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	-	6.8	7.6	7.6	7.2	-	7.5	-	4.4	4.3	4.5	-	4.4
1984 ^{a/}	-	7.1	7.2	7.9	8.4	-	7.9	-	-	-	7.7	-	7.7
1985 ^{a/}	-	-	-	11.7	13.0	12.4	12.3	-	-	7.3	7.9	-	7.5
<u>Eureka</u>													
1971-1975 Average	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	7.4	8.1	9.0	7.1	7.9	7.0	8.0	3.0	4.5	6.0	6.1	-	3.9
1977	7.7	7.9	8.9	8.6	9.5	10.4	8.4	3.9	4.7	7.6	8.0	6.8	6.2
1978	7.5	8.3	8.5	8.5	8.4	8.4	8.4	4.0	4.3	4.6	4.6	4.7	4.7
1979	-	7.7	8.2	10.8	10.0	8.9	8.8	4.3	4.5	7.7	8.3	7.5	6.0
1980	-	8.6	11.4	9.8	9.8	10.5	9.1	6.3	6.4	5.3	6.4	6.9	5.7
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	-	7.2	7.6	8.0	7.9	-	7.6	5.0	4.3	4.3	5.0	-	4.4
1984 ^{a/}	-	7.2	7.0	8.7	8.4	-	7.9	-	-	7.6	6.6	-	6.8
1985 ^{a/}	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5
<u>Fort Bragg</u>													
1971-1975 Average	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	8.6	7.6	9.9	9.7	11.6	11.1	9.7	3.8	5.0	5.9	6.0	-	5.1
1977	10.3	9.5	9.8	10.8	10.0	10.1	10.1	4.0	4.2	7.9	8.4	11.0	5.3
1978	7.5	8.3	8.5	8.5	8.4	8.4	8.4	4.0	4.3	4.6	4.6	4.7	4.7
1979	-	8.1	10.6	12.4	10.6	11.3	11.0	4.3	5.2	8.5	8.7	9.7	8.1
1980	-	8.8	11.1	11.2	10.6	10.3	10.7	4.3	6.9	6.2	6.5	6.8	6.3
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	-	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 ^{a/}	-	7.1	10.0	8.8	8.9	9.7	9.0	-	7.4	7.3	7.8	8.6	7.4
1985 ^{a/}	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5
<u>North Coast</u>													
1971-1975 Average	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	7.9	8.0	9.3	8.2	10.8	10.0	8.6	3.2	4.6	5.8	6.1	7.4	4.4
1977	8.1	8.5	9.3	9.6	10.0	10.0	9.2	4.0	4.8	7.6	8.0	8.2	6.2
1978	8.0	8.2	8.1	8.7	9.6	7.9	8.2	3.2	4.1	5.0	5.4	6.3	4.1
1979	-	7.8	8.7	11.3	10.2	10.4	9.7	4.2	4.6	7.7	8.4	7.9	6.5
1980	-	8.6	11.2	10.9	10.2	10.1	9.8	4.5	4.7	5.7	6.6	7.0	6.0
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	-	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 ^{a/}	-	7.1	9.3	8.6	8.6	9.7	8.6	-	7.4	7.3	7.2	8.6	7.3
1985 ^{a/}	-	12.4	13.1	11.7	13.0	12.4	12.3	-	8.1	7.3	7.9	8.0	7.5

Table D-1. (continued)

Area of Landing	April	May	June	July	Aug.	Sept.	Season	May	June	July	Aug.	Sept.	Season
	<u>CHINOOK</u>							<u>COHO</u>					
<u>San Francisco</u>													
1971-1975 Average	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	8.4	6.7	9.2	10.0	11.8	11.5	8.8	4.2	1.9	6.0	6.8	7.5	5.0
1977	8.5	8.1	8.6	10.1	12.1	14.2	9.4	4.5	5.7	7.4	8.4	11.5	6.7
1978	8.3	8.7	8.9	9.0	8.9	8.9	8.7	4.3	4.5	5.2	5.2	5.2	5.2
1979	-	10.2	11.9	14.1	12.8	10.2	12.0	4.8	5.4	8.2	6.8	7.0	6.9
1980	-	8.0	10.6	10.7	11.8	12.7	10.0	5.4	-	6.9	6.8	11.1	7.0
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	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 ^{a/}	-	8.0	8.5	9.2	8.8	8.6	8.9	-	6.9	7.9	7.6	8.7	7.6
1985 ^{a/}	-	11.0	12.8	14.2	13.0	12.0	12.4	-	6.9	7.8	9.0	8.0	7.2
<u>Monterey</u>													
1971-1975 Average	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	7.9	9.6	9.6	10.7	14.2	12.5	10.2	4.3	5.0	6.7	8.2	-	5.1
1977	9.2	9.0	9.6	11.6	13.4	9.3	10.1	4.4	4.6	6.7	7.0	-	5.4
1978	8.3	8.9	8.6	9.2	9.4	9.3	9.3	4.2	3.8	4.1	4.1	4.2	4.2
1979	-	9.7	11.6	13.3	12.4	10.4	11.1	5.3	5.9	8.9	7.7	7.6	6.5
1980	-	8.4	11.8	11.1	12.8	12.1	10.6	4.0	6.8	6.2	7.5	6.6	6.9
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	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 ^{a/}	-	7.8	8.3	9.8	9.5	8.6	8.4	-	6.7	7.9	10.7	-	7.0
1985 ^{a/}	-	12.5	13.2	14.9	16.1	12.0	13.1	3.2	6.4	5.2	9.0	8.0	5.4
<u>South Coast</u>													
1971-1975 Average	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	8.2	7.9	9.4	10.3	13.3	11.8	9.3	4.2	4.9	6.4	6.8	7.5	5.0
1977	8.7	8.4	9.0	10.4	12.6	12.9	9.5	4.4	5.4	7.3	8.1	11.5	6.4
1978	8.3	8.9	8.7	10.3	9.6	8.5	9.1	4.2	4.3	6.7	5.2	5.0	4.9
1979	8.6	10.0	11.8	13.9	12.7	10.2	11.8	5.1	5.5	8.3	6.8	7.0	6.8
1980	-	8.2	11.2	10.8	12.3	12.5	10.1	5.1	6.9	6.9	7.2	10.1	7.0
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	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 ^{a/}	-	7.8	8.4	9.3	8.8	8.6	8.8	-	6.8	7.9	8.3	8.7	7.5
1985 ^{a/}	-	11.3	12.9	14.3	13.0	12.0	12.5	3.2	6.8	6.9	9.0	-	6.8
<u>Statewide</u>													
1971-1975 Average	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	8.2	8.0	9.3	8.6	12.3	11.3	9.2	3.5	4.7	5.9	6.2	7.5	4.6
1977	8.5	8.5	9.1	9.9	10.7	11.2	9.4	4.0	4.9	7.6	8.0	8.8	6.3
1978	8.1	8.5	8.4	9.5	8.7	8.3	8.6	3.2	4.1	5.1	5.4	6.1	4.1
1979	8.4	8.6	10.4	12.1	10.6	10.3	10.4	4.2	4.6	7.7	8.1	7.6	6.5
1980	-	8.4	11.2	10.8	11.2	10.8	10.0	4.6	4.9	5.7	6.6	7.1	6.1
1981 ^{a/}	-	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 ^{a/}	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 ^{a/}	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 ^{a/}	-	7.5	8.5	9.1	8.8	9.3	8.7	-	6.8	7.7	7.2	8.6	7.4
1985 ^{a/}	-	11.6	13.0	12.5	13.0	12.2	12.4	3.2	7.9	7.3	7.9	8.0	7.5

a/ Average weights for 1981-1985 were calculated using field sample data and may be different from average weights calculated using dealer reported weight and numbers for the same year.

b/ No sample data.

Table D-2. Monthly Oregon commercial troll chinook and coho salmon average dressed weights.

Year	May	June	July	August	September	October	November	Total
<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 ^{a/}	9.1	9.3	10.0	9.0	8.6	10.6	19.3	9.4
<u>Coho</u>								
1971-1975 Average		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 ^{a/}	-	-	5.7	5.9	-	-	-	5.8

a/ Preliminary.

Table D-3. Monthly Washington commercial troll chinook and coho salmon average dressed weights. 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
COHO														
1971-1975 Average			4.2		5.1		6.4		7.1		8.5			5.6
1976			3.6		4.2		5.2		5.6		6.5			4.2
1977			4.1		4.6		5.7		6.5		6.9			5.2
1978			3.8		3.9		5.2		5.8		6.5			4.6
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
1983c/	2.8	-	3.3	-	-	5.0	4.0	4.0	4.8	-	-	-	4.1	4.2
1984c/	-	-	-	-	3.1	-	5.0	4.5	5.1	-	-	6.5	4.2	4.5
1985c/	-	-	3.1	-	4.4	4.5	5.5	5.8	5.7	-	-	-	5.0	4.6
CHINOOK														
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
1983c/	7.1	9.9	8.5	-	9.6	11.8	7.8	12.3	7.2	11.7	5.1	-	6.1	10.5
1984c/	6.6	9.1	8.8	-	8.1	-	8.6	10.7	8.0	-	4.4	-	5.3	9.4
1985c/	6.5	9.7	8.9	-	9.8	11.5	10.8	11.1	9.5	-	4.9	-	6.9	10.4

a/ Split between treaty and non-treaty beginning in 1979.

b/ Season totals include additional winter treaty troll.

c/ Preliminary.

Table D-4. Commercial landings (dressed wt.) and value (dollars) of salmon to California, and number of registered vessels making commercial salmon landings.^{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	\$8,290
1961	8,638,000	4,698,000	1,615	2,910	9,750
1962	6,673,000	4,023,000	1,563	2,570	8,450
1963	7,849,000	3,959,000	1,611	2,460	7,960
1964	9,481,000	5,013,000	1,774	2,830	9,030
1965	9,674,000	4,989,000	2,001	2,490	7,780
1966	9,447,000	4,845,000	1,929	2,510	7,590
1967	7,402,000	3,945,000	2,137	1,850	5,430
1968	6,952,000	4,014,000	2,249	1,780	5,010
1969	6,151,000	3,843,000	2,125	1,810	4,850
1970	6,629,000	5,101,000	2,065	2,470	6,270
1971	8,117,000	4,757,000	2,221	2,140	5,180
1972	6,423,000	4,830,000	2,392	2,020	4,690
1973	9,669,000	8,991,000	2,848	3,160	6,940
1974	8,749,000	8,013,000	3,185	2,520	5,080
1975	6,925,000	6,972,000	3,150	2,210	4,090
1976	7,788,000	10,707,000	3,526	3,040	5,340
1977	5,930,000	12,074,000	3,797	3,180	5,270
1978	6,804,000	11,001,000	4,919	2,240	3,460
1979	8,746,000	21,870,000	4,593	4,290	6,130
1980	6,019,000	13,141,000	4,738	2,770	3,600
1981	6,042,000	15,034,000	4,102	3,665	4,350
1982	7,996,000	19,819,000	4,013 (5,964) ^{c/}	4,940	5,570
1983	2,410,000	4,618,000	3,223 (4,617) ^{c/}	1,430	1,540
1984	2,970,000	7,884,000	2,569 (4,180) ^{c/}	3,070	3,180
1985 ^{d/}	4,630,000	11,515,000	2,308 (3,712) ^{c/}	4,990	4,990

- a/ Derived from vessel registrations and fish landing tickets.
b/ Expressed a 1985 dollars.
c/ Number of commercial salmon vessel permits issued.
d/ Preliminary.

Table D-5. Number of vessels landing troll-caught salmon in Oregon, 1974-1985.

Year	Number of Vessels ^{a/}	
1974	2,253	
1975	2,304	
1976	2,770	
1977	3,108	
1978	3,158	
1979	3,114	
1980 ^{b/}	3,875	(4,314)
1981	3,615	(3,926)
1982	3,269	(3,646)
1983	2,951	(3,439)
1984	771 ^{c/}	(3,203)
1985 ^{d/}	2,050 ^{e/}	(2,991)

- a/ Numbers of vessels holding permits for troll salmon fishing under the state license moratorium, but not necessarily landing salmon, are noted in parentheses.
- b/ The establishment of a restricted vessel permit system drew a number of historically active vessels back into the fishery in 1980.
- c/ Vessels were not required to land one salmon in 1984 to be eligible for a permit in 1985. The ODFW Commission waived this requirement because of the elimination of the coho fishery south of Cape Falcon.
- d/ Preliminary.
- e/ Vessels traditionally landing salmon south of Cape Blanco and north of Cape Falcon were not required to land one salmon in 1985 to be eligible for a permit in 1986. The ODFW 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.

Table D-6. Number of vessels landing troll-caught salmon in Washington, 1978-1985.

Year	Number of Vessels	Landings in Dressed Pounds
1978	3,041	4,775,843
1979	2,778	7,785,595
1980	2,626	3,409,198
1981	2,439	3,590,713
1982	2,253	2,673,793
1983	2,045	936,145
1984 ^{a/}	381	(2,109) ^{b/}
1985 ^{a/}	1,259	962,443

a/ Preliminary.

b/ Total number of troll permits and vessel delivery permits issued. Of these, 1,587 troll permits and 94 vessel delivery permits participated in the voluntary suspension program in 1984. One hundred forty-seven troll permits and 10 vessel delivery permits were purchased in the state buy-back program.

Table D-7. California commercial salmon troll boat-size catch statistics, 1974-1985 (pounds-dressed).

Year ^a / Catch	Length	Vessels		Catch		
	Category (ft)	Number ^b / Percentage	Percentage	Average Catch/ Boat (lbs.)	Total Catch (lbs.)	Percent of Total
1985 ^b / 1985 ^b	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		2,006	4,629,731	
1984 ^c / 1984 ^c	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 ^c / 1983 ^c	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 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 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 (continued)

Year ^{a/}	Length	Vessels		Catch		
	Category (ft)	Number ^{b/}	Percentage	Average Catch/ Boat (lbs.)	Total Catch (lbs.)	Percent of Total Catch
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
	Total	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 (pounds of fish), 1978-1985.

Year	Length Category (feet)	Vessels		Poundage	
		Number ^{b/}	Percentage	Number	Percentage
1985 ^{a/}	< 20	73	3.6	14,306	0.5
	20-29	1,064	52.0	466,680	16.8
	30-39	491	24.0	1,035,022	37.3
	40-49	304	14.8	1,078,538	38.9
	≥ 50	104	5.1	166,640	6.0
	No length given	12	0.6	11,345	0.4
TOTAL		2,048		2,772,531	
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
TOTAL		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
TOTAL		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
TOTAL		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	52	1.4	37,393	0.7
TOTAL		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	20	0.5	14,982	0.3
TOTAL		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	90	2.8	78,773	1.1
TOTAL		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	158	4.8	56,422	1.2
TOTAL		3,308		4,659,805	

a/ Preliminary.

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

Table D-9. Washington salmon troll boat-size catch statistics (pounds of fish), 1978-1985.

Year	Length Category (feet)	Vessels		Poundage	
		Number	Percentage	Number	Percentage
1985 ^{a/}	< 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
TOTAL		1,259		962,443	
1984 ^{a/}	< 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
TOTAL		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
TOTAL		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
TOTAL		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
TOTAL		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
TOTAL		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
TOTAL		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
TOTAL		3,041		4,775,843	

a/ Preliminary.

Table D-10. California ocean commercial salmon landings statistics including salmon fleet size and number of vessels landing 50 percent and 90 percent of total landings.

Year	Total Vessels	Number Vessels Landing		Total Pounds
		50 Percent ^{a/}	90 Percent ^{a/}	
1977 ^{b/}	3,797	NA ^{c/}	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 ^{b/}	4,013	438 (10.9%)	1,602 (40.0%)	7,996,051
1983 ^{b/}	3,223	353 (11.0%)	1,268 (39.4%)	2,409,766
1984 ^{b/}	2,569	213 (8.3%)	918 (35.7%)	2,970,456
1985 ^{b/}	2,308	241 (10.4%)	898 (38.9%)	4,629,731

a/ Percentage of total fleet in parentheses.
b/ Preliminary.
c/ Not available.

Table D-11. Number of vessels landing 50 percent and 90 percent of total Oregon salmon troll catch each year, 1974-1985.

Year	Total Vessels ^{a/}	Number Landing 50% lbs. ^{a/}	Number Landing 90% lbs. ^{a/}
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 ^{b/}	2,048	133 (6.5%)	514 (25.1%)

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%; 1975--19%; 1976--9.4%; 1977--8.0%; 1978--1.4%; 1979--0.2%; 1980--1.7%; 1981--.11%; 1982--.05%; 1983--.03%; 1984--0.00%; 1985--0.00%.

b/ Preliminary.

Table D-12. Yearly number of vessels landing 50 percent and 90 percent (by numbers of fish) of the total Washington troll salmon catch, 1979-1985.

Year	Total Vessels	Number landing 50% ^{a/}	Number landing 90% ^{b/}
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 ^{a/}	2,056	75 (3.6%)	409 (19.9%)
1984 ^{a/}	374	55 (20.1%)	180 (65.7%)
1985 ^{a/}	1,259	104 (8.3%)	443 (35.2%)

a/ Preliminary.

b/ Percentage of total fleet in parentheses.

Table D-13. Vessels landing salmon in California by length and home state--combined north coast and south coast, 1978-1985.

Home State ^{a/}	Length	1977	1978	1979	1980	1981	1982	1983	1984	1985 ^{b/}
California	<26	1,655	2,325	2,243	2,069	1,611	1,535	1,223	909	769
	26-36 ^{c/}	976	1,165	1,152	1,248	1,052	1,051	891	805	731
	>36 ^{d/}	<u>741</u>	<u>1,006</u>	<u>980</u>	<u>1,138</u>	<u>865</u>	<u>873</u>	<u>733</u>	<u>620</u>	<u>630</u>
	Sub-total	3,372	4,496	4,375	4,455	3,528	3,459	2,847	2,334	2,130
Oregon	<26	49	97	68	97	64	59	41	25	6
	26-36 ^{c/}	77	176	158	163	126	117	82	47	23
	>36 ^{d/}	<u>153</u>	<u>262</u>	<u>210</u>	<u>228</u>	<u>204</u>	<u>196</u>	<u>125</u>	<u>84</u>	<u>66</u>
	Sub-total	279	535	436	488	394	372	248	156	95
Washington	<26	2	5	3	6	2	2	0	2	2
	26-36 ^{c/}	3	16	20	25	11	16	13	10	7
	>36 ^{d/}	<u>30</u>	<u>85</u>	<u>59</u>	<u>90</u>	<u>66</u>	<u>64</u>	<u>34</u>	<u>34</u>	<u>15</u>
	Sub-total	35	106	82	121	79	82	47 ^{c/}	46	24
Total ^{g/}	<26	1,726	2,462	2,338	2,189	1,717	1,631	1,292	951	795
	26-36 ^{c/}	1,059	1,365	1,338	1,447	1,224	1,223	1,020	871	784
	>36 ^{d/}	<u>940</u>	<u>1,378</u>	<u>1,266</u>	<u>1,478</u>	<u>1,159</u>	<u>1,157</u>	<u>909</u>	<u>745</u>	<u>726</u>
Grand Total ^{e/f/g/}		3,725	5,209	4,947	5,119	4,102	4,013	3,223	2,569	2,308

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

b/ Preliminary.

c/ Length category for 1981 is 26-35.

d/ Length category for 1982 is 36.

e/ Includes several vessels of unknown length.

f/ These total are somewhat inflated due to the fact that individual boats may stop both at north and south ports and therefore are counted twice. Includes 31 vessels with home state other than California, Oregon, or Washington and 5 vessels of unknown length.

g/ These totals also include a number of vessels with home states other than California, Oregon, or Washington and several vessels of unknown length. The number per year are as follows: 1977, 39 other home states, 395 unknown; 1978, 72 other home states, 5 unknown; 1979, 54 other home states, 5 unknown; 1980, 55 other home states, 5 unknown; 1981, 48 other home states, 5 unknown; 1982, 41 other home states, 2 unknown; 1983, 37 other home states; 1984, 31 other home states 5 unknown length; and 1985, 56 other home states, 3 unknown.

Table D-14. Vessels landing salmon by home state and vessel length. South coast of California (Fort Bragg--south only) 1978-1985.

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

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

b/ Preliminary.

c/ Includes several vessels of unknown length.

d/ 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; and 1985, 59 vessels.

Table D-15. Vessels landing salmon by home state and length of vessel. North coast of California
(Crescent City--Eureka only), 1978-1985.

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

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

b/ Preliminary.

c/ 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; and 1985, 1 vessel.

d/ Includes several vessels of unknown length.

Table D-16. Percentages of vessels landing troll salmon in Oregon by license holder's state of residence, 1977-1984.

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	86.8	4.0	8.1	1.1

a/ Preliminary.

Table D-17. Percentages of vessels landing troll salmon in Washington by license holder's state of residence, 1978-1985.

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

Table D-18. Number of charter boats licensed in Oregon.

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 ^{a/}	226	198	25	3

a/ Preliminary.

Table D-19. Washington charter boat licenses, 1975-1985.

Year	Number of Licenses Issued
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/}

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.

