

STATUS REPORT

COLUMBIA RIVER FISH RUNS AND FISHERIES 1938-2002

TABLES ONLY

Oregon Department of Fish and Wildlife

Washington Department of Fish and Wildlife

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APPENDIX

Introduction

The following tables are updated from the 1999 volume. An attempt has been made to standardize the sources and methods of computation. These are variable, depending to a large extent on the type and amount of biological work done in the past. The information since 1951 is more reliable than that for earlier periods. The format and information in tables are under constant revision to make the publication an accurate and valuable handbook for fishery workers.

Sources of Landing Statistics

Landing statistics for the earlier period were, whenever possible, published values from Craig and Hacker (1940), Cleaver (1951), Smith (1956), and FCO and WDF (1971). Commercial landing statistics since 1948 were obtained from tabulation of the combined Oregon and Washington fish receiving tickets provided to and returned by fish buyers. Recreational catch and effort statistics are obtained from sampling programs or tabulation of angler-returned catch records. Treaty Indian ceremonial and subsistence catches are provided by the tribes. The values that are preliminary are listed with parentheses in the tables.

Sources of Average Weight Values

The average weight values required to calculate numbers of fish landed from poundage records were obtained from several sources. During 1938-1950, constant values were used for Zones 1-5 and Zone 6. Between 1951 and 1956, the research staffs of WDF and FCO conducted a sampling program that included counts and corresponding weights of large numbers of salmon and steelhead by week of fishing and zone of landing. During 1957-1967, we calculated average weights for chinook and sockeye salmon from length-weight formulae for some seasons and most years. When neither length nor average weight data were collected, the most appropriate 1951-1956 overall average weights were used.

Since 1967, the average weight values required to calculate numbers of commercial fish landed from fish receiving tickets were obtained from weights of fish sampled randomly at various buyers.

Computation of Run Size and Escapement

The estimates of the size of upriver runs were obtained by adding the lower river landings to the appropriate Bonneville Dam counts. Beginning in 1980, various stocks of fall chinook, and, in 1981, various stocks of spring chinook, were estimated on the basis of CWT recoveries or GSI analyses, not timing of catches. The escapement is estimated by subtracting the treaty Indian landings from the count at Bonneville Dam.

Table 1. Minimum Numbers (in Thousands) of Salmon and Steelhead, Including Jacks, Entering the Columbia River, 1938-2002.

Year	Chinook			Sockeye	Coho 2/	Chum 3/	Steelhead		Total
	Spring 1/	Summer	Fall				Winter 4/	Summer	
1938	118.4	122.7	582.2	168.0	271.9	157.0	--	249.6	1,669.8
1939	155.5	191.8	550.3	124.8	184.2	96.3	--	232.0	1,534.9
1940	97.6	112.7	742.9	196.0	164.4	102.8	--	422.8	1,839.2
1941	129.0	106.5	1,175.7	173.6	131.5	340.1	--	336.8	2,393.2
1942	87.9	94.8	979.0	94.5	83.8	425.5	--	297.2	2,062.7
1943	133.8	57.0	600.9	73.4	80.9	78.7	--	216.0	1,240.7
1944	78.4	67.1	709.8	24.6	174.2	22.6	--	232.3	1,309.0
1945	118.8	52.6	711.7	10.9	204.6	48.3	--	268.4	1,415.3
1946	199.3	72.0	831.9	101.1	121.5	72.7	--	268.0	1,666.5
1947	251.8	86.3	903.6	335.3	176.2	40.7	--	261.8	2,055.7
1948	173.3	86.9	899.2	143.2	134.5	85.6	--	240.1	1,762.8
1949	178.3	57.8	550.5	52.6	100.7	44.7	--	162.5	1,147.1
1950	146.1	69.3	588.6	112.6	125.9	58.9	--	179.0	1,280.4
1951	259.0	116.4	385.6	203.7	112.4	46.1	--	244.5	1,367.7
1952	319.8	114.5	323.0	318.9	126.3	28.9	--	383.1	1,614.5
1953	342.4	95.0	257.3	260.0	61.3	22.9	76.8	361.3	1,477.0
1954	237.4	114.8	231.9	180.0	37.4	28.5	49.8	289.5	1,169.3
1955	317.1	147.6	281.5	245.0	64.3	10.7	56.0	298.8	1,421.0
1956	297.9	195.2	312.7	202.0	64.4	4.7	51.2	200.7	1,328.8
1957	307.8	207.0	276.6	147.8	55.1	4.2	54.8	229.6	1,282.9
1958	268.5	187.5	393.2	313.3	24.2	8.3	48.4	211.2	1,454.6
1959	198.2	169.8	296.0	270.7	21.2	5.5	61.0	231.6	1,254.0
1960	175.2	142.6	246.1	179.1	47.7	3.0	56.5	199.8	1,050.0
1961	203.8	129.2	252.3	60.2	112.4	3.1	94.4	227.9	1,083.3
1962	255.4	108.0	290.6	42.9	184.7	5.7	78.7	251.7	1,217.7
1963	219.0	100.0	265.1	79.9	161.9	3.0	79.4	228.8	1,137.1
1964	247.2	97.0	372.2	104.9	453.9	3.2	79.9	178.6	1,536.9
1965	241.9	82.1	399.2	55.2	519.0	1.5	120.3	227.3	1,646.5
1966	236.1	74.8	347.8	174.8	785.9	3.1	133.1	208.6	1,964.2
1967	240.5	100.7	385.0	180.2	694.2	2.1	111.5	167.3	1,881.5
1968	199.5	89.4	346.3	134.8	423.9	0.6	122.5	161.2	1,478.2
1969	295.0	106.2	471.0	75.8	463.4	1.1	66.8	191.2	1,670.5
1970	252.7	72.9	532.2	95.4	1,079.0	1.2	134.5	157.0	2,324.9
1971	266.9	89.5	488.6	150.5	648.7	1.1	169.2	248.5	2,063.0
1972	353.3	77.5	338.3	123.3	362.6	2.4	113.0	257.8	1,628.2
1973	326.1	48.9	562.1	61.3	422.8	1.8	90.9	217.0	1,730.9
1974	224.1	34.0	357.1	43.8	534.0	1.2	77.7	168.9	1,440.8

Table 1. Continued

Year	Chinook			Sockeye	Coho 2/	Chum 3/	Steelhead		Total
	Spring 1/	Summer	Fall				Winter 4/	Summer	
1975	176.1	44.4	525.9	58.2	437.7	0.8	62.0	105.4	1,410.5
1976	165.5	42.1	563.7	43.7	384.1	1.5	55.4	147.8	1,403.8
1977	239.6	41.4	449.3	99.8	199.0	0.8	112.1	238.5	1,380.5
1978	241.8	43.6	395.6	18.4	382.7	1.9	77.1	154.5	1,315.6
1979	126.2	34.5	356.2	52.6	330.7	0.3	114.1	146.3	1,160.9
1980	143.1	31.2	356.9	58.9	343.0	0.5	80.6	177.4	1,191.6
1981	164.6	27.1	349.1	56.0	208.0	1.5	67.0	217.7	1,091.0
1982	195.9	26.7	438.3	50.2	518.6	2.9	46.0	207.9	1,486.5
1983	159.9	23.7	298.9	100.5	143.4	0.6	67.7	240.2	1,034.9
1984	170.7	28.7	413.7	161.6	446.9	2.3	94.4	388.4	1,706.7
1985	179.0	30.3	548.0	200.4	435.3	1.3	77.3	405.3	1,876.9
1986	224.2	31.4	730.1	59.9	1,574.1	3.0	85.0	474.2	3,181.9
1987	241.8	38.3	956.8	145.3	388.7	2.5	91.7	364.3	2,229.4
1988	250.4	36.7	869.1	99.6	726.6	4.8	59.3	362.8	2,409.3
1989	231.9	33.1	592.5	47.4	752.4	2.0	68.0	327.8	2,055.1
1990	257.9	28.1	369.4	49.6	262.1	2.9	44.7	247.4	1,262.1
1991	201.7	22.1	332.4	76.5	957.1	1.3	63.2	311.0	1,965.3
1992	199.0	19.2	263.4	85.0	237.0	4.9	55.9	372.1	1,236.5
1993	206.2	23.6	235.7	80.2	118.2	4.5	36.4	242.8	947.6
1994	83.0	19.5	295.4	12.7	178.2	1.2	52.2	212.1	854.3
1995	64.9	17.1	300.1	9.2	89.5	1.5	20.1	247.1	749.5
1996	100.3	18.0	353.8	30.3	129.8	3.3	26.5	244.0	906.0
1997	161.2	29.9	352.8	46.9	157.3	1.7	15.3	292.4	1,057.5
1998	94.1	24.1	295.6	13.2	189.8	1.9	23.6	216.0	858.3
1999	112.1	30.3	338.1	17.9	303.2	2.4	23.3	235.8	1,063.1
2000	274.0	44.4	325.3	93.7	628.5	2.5	30.4 5/	316.9 5/	1,715.7
2001	525.7	91.3	658.7	116.5	1132.7	5.5	40.1 5/	689.4 5/	3,259.9
2002	440.8	136.9	789.3	49.6	557.6	11.9	19.1 5/	553.1 5/	2,558.3

1/ Counting began at Bonneville Dam on May 7, 1938. Estimates for tributary runs below Bonneville Dam are not included for 1938-45.

2/ Commercial catch and dam counts only, 1938-59.

3/ Commercial catch numbers only, 1938-49.

4/ Abundance index.

5/ Estimate.

Table 2. Minimum Numbers (in Thousands) of Adult Salmon and Steelhead Entering the Columbia River, 1970-2002.

Year	Chinook			Sockeye	Coho	Chum	Steelhead		Total
	Spring	Summer	Fall				Winter 1/	Summer	
1970	237.8	55.2	452.0	95.4	895.3	1.2	134.5	157.0	2,028.4
1971	241.5	71.9	428.9	150.5	544.5	1.1	169.2	248.5	1,856.1
1972	334.7	67.8	285.5	123.3	277.8	2.4	113.0	257.8	1,462.3
1973	307.7	37.6	482.5	61.3	291.2	1.8	90.9	217.0	1,490.0
1974	206.9	28.9	290.5	43.8	460.9	1.2	77.7	168.9	1,278.8
1975	166.5	33.0	453.9	58.2	292.5	0.8	62.0	105.4	1,172.3
1976	144.7	26.7	448.7	43.7	337.0	1.5	55.4	147.8	1,205.5
1977	230.5	34.3	361.3	99.8	93.8	0.8	112.1	238.5	1,171.1
1978	233.7	38.7	328.4	18.4	307.5	1.9	77.1	154.5	1,160.2
1979	117.3	27.8	296.4	52.6	276.5	0.3	114.1	146.3	1,031.3
1980	126.1	27.0	321.2	58.9	301.6	0.5	80.6	177.4	1,093.3
1981	157.4	22.4	283.9	56.0	170.3	1.5	67.0	217.7	976.2
1982	181.4	20.1	360.7	50.2	453.1	2.9	46.0	207.9	1,322.3
1983	149.3	18.0	241.2	100.5	100.5	0.6	67.7	240.2	918.0
1984	163.1	22.4	305.5	161.6	414.2	2.3	94.4	388.4	1,551.9
1985	168.1	24.2	365.3	200.4	366.2	1.3	77.3	405.3	1,608.1
1986	210.8	26.2	498.7	59.9	1,527.8	3.0	85.0	474.2	2,885.6
1987	232.4	33.0	871.7	145.3	307.6	2.5	91.7	364.3	2,048.5
1988	243.0	31.3	783.0	99.6	664.8	4.8	59.3	362.8	2,248.6
1989	220.2	28.8	550.0	47.4	701.6	2.0	68.0	327.8	1,945.8
1990	250.8	25.0	317.6	49.6	196.1	2.9	44.7	247.4	1,134.1
1991	189.9	18.9	277.0	76.5	934.3	1.3	63.2	311.0	1,872.1
1992	191.8	15.1	217.9	85.0	210.9	4.9	55.9	372.1	1,153.6
1993	201.2	22.0	213.9	84.2	113.9	4.5	36.4	242.8	918.9
1994	81.5	17.6	255.3	12.7	168.6	1.2	52.2	212.1	801.2
1995	60.5	15.0	244.7	9.2	74.5	1.5	20.1	247.1	672.6
1996	93.9	16.0	331.8	30.3	113.8	3.3	26.5	244.0	859.6
1997	159.5	27.9	326.8	46.9	149.6	1.7	15.3	292.5	1,020.2
1998	91.4	21.4	255.3	13.2	165.1	1.9	23.6	216.6	788.5
1999	101.4	26.2	313.1	17.9	270.9	2.4	23.3	235.8	991.0
2000	250.8	30.6	255.8	93.7	553.5	2.5	30.4 2/	316.9 2/	1,534.2
2001	508.4	76.3	556.2	116.5	1,112.9	5.5	40.1 2/	689.4 2/	3,105.3
2002	431.6	128.6	737.0	49.6	514.8	11.9	19.1 2/	553.1 2/	2,445.7

1/ Abundance index.

2/ Estimate.

Table 3. Columbia River Commercial Landings (in Thousands of Pounds) of Salmon and Steelhead, 1866-2002. 1/

Year	Chinook	Coho	Sockeye	Chum	Steelhead	Total
1866	272.0	0.0	0.0	0.0	0.0	272.0
1867	1,224.0	0.0	0.0	0.0	0.0	1,224.0
1868	1,904.0	0.0	0.0	0.0	0.0	1,904.0
1869	6,800.0	0.0	0.0	0.0	0.0	6,800.0
1870	10,200.0	0.0	0.0	0.0	0.0	10,200.0
1871	13,600.0	0.0	0.0	0.0	0.0	13,600.0
1872	17,000.0	0.0	0.0	0.0	0.0	17,000.0
1873	17,000.0	0.0	0.0	0.0	0.0	17,000.0
1874	23,800.0	0.0	0.0	0.0	0.0	23,800.0
1875	25,500.0	0.0	0.0	0.0	0.0	25,500.0
1876	30,600.0	0.0	0.0	0.0	0.0	30,600.0
1877	25,840.0	0.0	0.0	0.0	0.0	25,840.0
1878	31,280.0	0.0	0.0	0.0	0.0	31,280.0
1879	32,640.0	0.0	0.0	0.0	0.0	32,640.0
1880	36,040.0	0.0	0.0	0.0	0.0	36,040.0
1881	37,400.0	0.0	0.0	0.0	0.0	37,400.0
1882	36,808.4	0.0	0.0	0.0	0.0	36,808.4
1883	42,799.2	0.0	0.0	0.0	0.0	42,799.2
1884	42,160.0	0.0	0.0	0.0	0.0	42,160.0
1885	37,658.4	0.0	0.0	0.0	0.0	37,658.4
1886	30,498.0	0.0	0.0	0.0	0.0	30,498.0
1887	24,208.0	0.0	0.0	0.0	0.0	24,208.0
1888	25,328.4	0.0	0.0	0.0	0.0	25,328.4
1889	18,135.4	0.0	1,210.2	0.0	1,726.6	21,072.2
1890	22,821.1	0.0	3,899.5	0.0	2,912.1	29,632.6
1891	24,065.7	0.0	1,052.8	0.0	2,010.4	27,128.8
1892	23,410.2	284.0	4,525.2	0.0	4,919.7	33,139.0
1893	19,636.6	1,979.3	2,071.2	157.1	4,435.4	28,279.6
1894	23,875.2	2,907.5	2,979.4	0.0	3,564.7	33,326.8
1895	30,253.8	6,772.9	1,225.0	1,529.5	3,378.1	43,159.3
1896	25,224.1	2,999.3	1,154.8	0.0	3,377.1	32,755.4
1897	29,867.2	4,137.8	882.1	0.0	3,137.9	38,025.0
1898	23,180.5	4,449.3	4,533.6	0.0	1,786.8	33,950.2
1899	18,771.0	2,013.3	1,629.9	773.8	815.6	24,003.6
1900	19,245.2	3,054.9	895.0	1,203.3	1,400.6	25,799.0
1901 2/	--	--	--	--	--	29,832.4
1902	23,033.7	716.2	1,158.5	707.3	584.3	26,200.0
1903	27,917.3	828.3	570.0	680.0	493.1	30,488.7
1904	31,782.5	2,125.3	877.9	1,407.1	671.0	36,863.9

Table 3. Continued

Year	Chinook 3/	Coho	Sockeye	Chum	Steelhead	Total 4/
1905	33,028.7	1,824.2	528.2	1,751.1	667.9	37,800.1
1906	29,970.7	2,818.3	531.5	1,890.5	442.0	35,653.1
1907	24,250.4	2,159.5	374.3	1,533.8	402.6	28,720.6
1908	19,742.5	2,137.4	583.5	1,148.1	729.4	24,340.9
1909	17,118.9	2,868.1	1,704.2	1,668.9	1,175.2	24,535.3
1910	25,325.6	4,686.7	423.9	4,524.6	369.6	35,330.4
1911	36,602.1	5,400.3	407.2	3,636.0	584.4	49,480.0
1912	21,388.0	2,165.3	558.3	1,271.5	2,147.2	27,530.2
1913	19,384.5	2,785.9	758.3	904.6	2,167.9	26,556.2
1914	25,409.1	4,744.3	2,401.1	3,351.4	1,907.6	38,501.3
1915	32,126.8	2,266.8	371.2	5,884.0	2,690.2	43,838.7
1916	31,992.9	3,541.7	257.7	5,288.1	1,580.9	42,746.3
1917	29,521.9	4,372.3	541.8	3,648.8	2,233.1	40,448.0
1918	29,249.1	6,673.9	2,572.6	2,029.5	3,022.6	44,125.4
1919	30,325.3	6,169.5	494.2	5,133.5	1,899.9	44,934.5
1920	31,094.3	1,837.6	178.0	1,277.9	1,165.9	36,311.5
1921	21,551.7	2,337.9	411.1	327.8	1,021.1	26,712.5
1922	17,914.7	6,149.7	2,090.5	601.4	2,162.8	30,152.7
1923	21,578.3	6,965.1	2,605.0	1,734.5	2,684.3	35,667.3
1924	22,365.2	7,796.4	500.9	3,926.9	3,192.8	38,167.1
1925	26,660.0	7,936.6	384.2	3,795.2	2,907.2	42,333.4
1926	21,241.0	6,605.7	1,478.0	2,234.0	3,843.1	35,566.7
1927	24,010.7	5,209.5	408.3	4,654.5	3,147.3	37,688.4
1928	18,149.3	3,722.9	327.4	8,496.8	2,160.2	33,127.1
1929	18,151.1	6,701.1	684.9	3,714.1	2,870.1	32,321.3
1930	20,078.6	7,736.9	668.0	773.2	2,404.1	31,923.4
1931	21,378.4	2,714.2	280.5	239.2	2,126.0	27,031.8
1932	16,000.9	4,096.5	190.1	1,173.7	1,431.8	23,330.2
1933	19,528.4	2,701.6	470.6	1,659.1	1,958.3	26,846.8
1934	18,787.5	4,774.7	467.1	1,662.9	1,919.2	27,901.9
1935	15,266.4	7,108.3	88.5	1,053.7	1,472.2	25,756.0
1936	16,213.6	2,495.8	668.9	2,080.6	1,940.8	23,528.6
1937	18,653.6	1,841.6	335.1	1,909.8	1,933.4	24,673.5
1938	12,418.5	2,311.0	424.6	1,915.4	1,764.4	18,833.9
1939	13,498.8	1,529.7	269.8	1,174.4	1,438.5	17,911.2

Table 3. Continued

Year	Chinook 3/	Coho	Sockeye	Chum	Steelhead	Total
1940	13,516.1	1,373.2	361.9	1,253.5	2,815.4	19,320.1
1941	23,238.5	1,045.0	505.7	4,149.8	2,663.7	31,602.7
1942	18,679.1	644.5	192.4	5,191.1	1,839.1	26,546.2
1943	11,426.5	706.3	146.1	959.9	1,514.5	14,753.3
1944	14,059.6	1,533.3	54.8	275.4	1,720.1	17,643.2
1945	12,972.1	1,835.5	8.7	588.8	1,963.5	17,368.6
1946	14,277.8	1,059.6	128.5	886.6	1,725.6	18,078.1
1947	17,302.7	1,498.1	718.3	496.2	1,648.7	21,664.0
1948	17,352.3	1,174.7	95.8	1,044.8	1,579.0	21,246.6
1949	10,768.5	899.2	24.0	545.0	814.0	13,050.7
1950	10,421.7	1,048.0	169.2	700.2	945.2	13,284.3
1951	10,036.3	968.0	169.4	532.3	1,207.2	12,913.2
1952	7,271.1	1,074.0	608.7	308.6	1,461.9	10,724.3
1953	6,966.6	457.5	146.2	249.2	1,898.3	9,717.8
1954	5,312.7	303.4	243.4	320.0	1,450.8	7,630.3
1955	8,581.9	598.8	200.4	125.6	1,320.0	10,826.7
1956	8,178.5	460.0	287.1	45.7	815.0	9,786.3
1957	5,918.9	390.7	240.2	32.1	741.0	7,322.9
1958	6,434.0	167.6	723.5	89.3	700.0	8,114.4
1959	4,594.3	119.7	635.8	42.9	628.5	6,021.2
1960	3,928.0	159.1	394.1	15.3	657.4	5,153.9
1961	4,160.2	382.6	158.0	17.3	612.3	5,330.4
1962	5,467.3	600.0	51.7	48.1	715.3	6,882.4
1963	4,346.1	501.1	48.8	15.3	972.9	5,884.2
1964	4,484.0	1,963.5	68.2	23.9	421.0	6,960.6
1965	6,142.9	1,901.8	22.9	6.1	510.1	8,583.8
1966	3,612.2	4,389.1	17.2	11.0	393.0	8,422.5
1967	4,974.1	3,817.9	195.1	9.7	445.6	9,442.4
1968	4,097.1	962.2	89.6	3.4	433.9	5,586.2
1969	5,775.9	1,663.3	104.5	4.0	495.0	8,042.7
1970	6,461.7	5,745.6	55.7	8.0	311.8	12,582.8
1971	5,967.2	2,277.9	285.6	5.9	467.5	9,004.1
1972	5,684.6	1,239.4	275.6	16.0	667.1	7,882.7
1973	8,552.4	1,904.8	15.9	18.0	634.1	11,125.2
1974	3,637.8	2,432.7	0.2	10.7	185.2	6,266.6

Table 3. Continued

Year	Chinook	Coho	Sockeye	Chum	Steelhead	Total
1975	6,586.5	1,581.4	0.0	5.7	69.5	8,243.1
1976	5,586.7	1,328.6	0.5	16.9	86.6	7,019.3
1977	4,688.4	316.6	0.5	2.3	425.7	5,433.5
1978	3,674.4	1,096.9	0.1	20.4	249.2	5,041.0
1979	3,226.3	1,096.8	<0.1	1.6	68.6	4,393.3
1980	3,072.3	1,122.5	<0.1	3.1	65.6	4,263.5
1981	1,739.4	473.2	<0.1	18.5	98.0	2,329.1
1982	3,036.1	1,600.2	0.5	22.3	96.5	4,755.6
1983	1,038.9	45.4	6.5	2.0	156.7	1,249.5
1984	2,069.0	1,621.3	110.5	22.1	908.4	4,731.3
1985	2,646.7	1,674.7	287.4	7.5	766.2	5,382.5
1986	4,729.0	6,820.1	23.8	20.2	683.8	12,276.9
1987	9,016.9	1,313.4	256.5	14.1	753.8	11,354.7
1988	10,539.1	2,683.5	181.1	30.2	764.8	14,198.7
1989	6,120.3	2,683.1	0.1	17.3	591.0	9,411.8
1990	3,095.3	501.2	<0.1	9.4	331.0	3,936.9
1991	1,994.5	2,730.3	<0.1	4.2	307.4	5,036.4
1992	952.3	303.8	<0.1	6.9	465.2	1,728.2
1993	877.8	271.4	<0.1	0.5	263.0	1,412.7
1994	604.6	505.0	0.0	0.5	110.2	1,220.3
1995	606.2	191.5	0.0	0.1	100.7	898.5
1996	1,011.8	230.9	0.0	0.3	91.9	1,334.9
1997	927.0	161.9	0.0	0.5	70.2	1,159.6
1998	663.7	195.8	0.0	0.1	41.5	901.1
1999	885.0	698.2	0.0	1.2	33.7	1,618.1
2000	1,088.0	1,585.0	1.6	0.4	85.5	2,760.5
2001	2,162.7	2,286.1	12.4	1.3	129.4	4,591.9
2002	2,948.3	1,691.8	0.5	0.2	110.5	4,751.3

1/ Sources: 1866-1936 - Craig and Hacker (1940), 1937 - Cleaver (1951), 1938-70 - FCO and WDF (1971), and 1971-present - ODFW and WDFW landing records. Since 1995 an increasing proportion of treaty Indian commercial landings have been sold to the general public and not licensed fish buyers. General public sales figures are not included here.

2/ Chinook totals for 1938-56 differ slightly from those calculated by summing individual landing tables in this report.

3/ From 1911-1936, totals include landings of unknown salmonid species.

Table 4. Important Columbia River Fishery Management Events.

1855	Treaties signed between the United States and Columbia River Indian tribes reserving the right for Indians to hunt and fish in their usual and accustomed places in common with citizens of the United States.
1861	Commercial fishing became an important industry.
1866	Salmon canning began. Washington passed its first gear regulation.
1877	The first salmon hatchery was established on the Clackamas River. Washington established first closed fishing periods (Oregon followed in 1878).
1878	Oregon Fish Commission established. Oregon passed its first gear regulation.
1887	Oregon established a three-person State Board of Commissioners to enforce fish and game laws.
1890	Washington Department of Fisheries and Game established.
1893	State Game and Fish Protector position established in Oregon (beginning of combined fish and game administration in Oregon).
1895	Washington State Fish Commission created.
1897	Washington established closed season for sturgeon March 1- November 1 (Oregon followed in 1899).
1898	Oregon split fish and game programs and created a Board of Fish Commissioners comprised of governor, secretary of state, and fish commissioner. A Board of Game Commissioners followed in 1899.
1899	Beginning of joint Oregon and Washington fishery management (joint committees of the two legislatures met in an effort to agree on Columbia fishing regulations). Chinese sturgeon lines (snagging setlines) prohibited. Sturgeon minimum commercial size set at 48".
1901	Oregon established the Master Fish Warden position.
1903	Washington established a game code and county commissioners appointed game wardens.
1909	Sturgeon allowed to be taken at times and in areas open to commercial salmon fishing. Beginning of consistent Oregon and Washington seasons. Upper deadline established at mouth of Deschutes River.

Table 4. Continued

1911	Oregon's Fish and Game boards combined to form the Board of Fish and Game Commissioners comprised of three members appointed by the Governor.
1912	Troll salmon fishing began off the mouth of the Columbia.
1913	Position of Washington Chief Game Warden created.
1915	Washington regulation of game, game fish, and food fish combined under the authority of the State Game Warden. Oregon abolished Board of Fish and Game Commissioners and replaced with Fish and Game Commission, with the Governor chair of three member commission. Legislatures of Oregon and Washington created the Columbia River Fish Compact for joint regulation of Columbia River commercial fisheries.
1917	Purse seines prohibited in the Columbia River.
1918	U.S. Congress ratified the compact and agreement between Oregon and Washington covering concurrent jurisdiction of Columbia River fisheries.
1920	Oregon replaced the 1915 body with Board of Fish and Game Commissioners.
1921	Oregon established separate fish (3 members) and game (5 members) commissions with members to be appointed by the legislature and later by the Governor. Washington abolished the State Fish Commission and replaced it with a Department of Fisheries and Game. Oregon landings of salmon, shad, and sturgeon taxed.
1923	Whip seines prohibited in the Columbia River. Oregon fish dealers required to report purchases to the state in conjunction with the landings tax.
1927	Fish wheels prohibited in Oregon (followed by the Washington prohibition in 1935). Oregon prohibited seines and traps east of Cascade Locks and gill nets >250 fathoms throughout the river. Commercial fishing prohibited in Willamette River.
1932	Washington legislature separated food fish and game fish management and created the Department of Fisheries under an appointed director and the Department of Game under a six-person Commission.
1934	Commercial take or sale of steelhead in Washington prohibited.

Table 4. Continued

1935	Haul (drag) seines, traps, and set nets prohibited in Washington (followed by the Oregon prohibition in 1949--effective September 14, 1950). Fish wheels prohibited in Washington.
1937	Oregon and Washington fisheries officials permitted to change seasons (formerly only the fisheries committees of the Oregon and Washington legislatures could change seasons). Mitchell Act passed to provide mitigation funds to compensate for fish lost as a result of dam construction.
1938	Bonneville Dam completed. Commercial fishery prohibited 5 miles below the dam (Beacon Rock) and 15 miles above the dam.
1941	Grand Coulee Dam completed, blocking fish passage to much of the upper Columbia Basin.
1948	Staggered season for the area above Bonneville Dam (season opened and closed later than that in effect below the dam).
1949	Haul (drag) seines, traps, and set nets prohibited in Oregon (effective September 14, 1950).
1950	Sturgeon maximum size for all fisheries set at 72". Sturgeon minimum size first established for sport fisheries, set at 30".
1951	Oregon's Master Fish Warden position changed to State Fisheries Director.
1953	Special shad-only season first established (in the area of Camas and Washougal).
1957	Celilo Falls inundated by The Dalles Dam ending the tribal fishery that had occurred for millennia.
1964	Last Zones 1-5 summer commercial salmon season.
1965	Last Zone 6 summer commercial salmon season.
1967	Hells Canyon Dam completed, blocking fish passage to the upper Snake Basin.
1968	Commercial fishing reestablished by states above Bonneville Dam exclusively for treaty Indian fishers. Law suit <u>United States v. Oregon</u> filed. Governors of Oregon, Washington, and Idaho established the Columbia River Fisheries Advisory Council composed of the fish and game directors of the three states.

Table 4. Continued

1968	Zone 6 fishing area (Bridge of the Gods to mouth Umatilla River), river mouth closures, dam sanctuaries, and gear regulations established.
1973	Endangered Species Act enacted.
1975	Oregon's separate fish and wildlife commissions merged forming the Oregon Department of Fish and Wildlife with a seven member Oregon Fish and Wildlife Commission. Sale of steelhead in Oregon by non-Indians prohibited. Lower Granite Dam completed, last of 18 major main-stem Snake and Columbia dams finished 1933-75.
1977	Court approved a 5-year management and allocation agreement regarding upper Columbia fish runs. Four Columbia River treaty Indian tribes established Columbia River Inter-tribal Fish Commission. Last Zones 1-5 and 6 spring commercial salmon seasons.
1980	Congress passes the Northwest Electric Power Planning and Conservation Act.
1985	U.S.-Canada Pacific Salmon Interception Treaty signed.
1988	Court approves the <u>United States v. Oregon</u> Columbia River Fish Management Plan. Sturgeon setline fishing below Bonneville Dam phased out under Washington legislative statute. Last Zones 1-5 and 6 commercial sockeye seasons.
1991	Snake River sockeye salmon listed as an endangered species.
1992	Snake River wild chinook salmon listed as a threatened species.
1993	Washington legislature passed merger of Washington's Department of Fisheries and Department of Wildlife into the Washington Department of Fish and Wildlife.
1994	NMFS announced it was initiating comprehensive status reviews for populations of all seven anadromous Pacific salmonid species in Washington, Oregon, Idaho, and California.
1995	No Zones 1-5 winter commercial season for the first time in history.
1996	The Parties to <u>United States v. Oregon</u> entered into 3-year (1996-98) agreements for management of upper Columbia River spring chinook, summer chinook, and sockeye and management of upper Columbia River fall chinook.
1997	Upper Columbia River steelhead listed as an endangered species and Snake River and lower Columbia River wild steelhead listed as a threatened species. Oregon and Washington departments of fish and wildlife agreed on "The Olympia Accord on Columbia River Sturgeon Fishery Management."

Table 4. Continued

1998	Lower Columbia wild steelhead listed as a threatened species.
1999	<p>Upper Columbia River wild spring chinook listed as an endangered species. Upper Willamette River wild spring chinook and lower Columbia River wild chinook listed as threatened species. Columbia River chum listed as a threatened species. Lower Columbia River and upper Willamette River wild steelhead listed as threatened species. Oregon lists lower Columbia River wild coho salmon as an endangered species under the State Endangered Species Act. Columbia River Fish Management Plan expired July 31.</p>
2000	<p>Oregon and Washington Departments of Fish and Wildlife extended the Joint State Sturgeon Management Agreement for an additional 3-year management period (2000-2002). The treaty Indian commercial spring chinook fishery was reopened in a limited fashion after 22 consecutive years of closure. The non-Indian commercial sockeye fishery was reopened in a very limited fashion after 11 consecutive years of closure.</p>
2001	<p>The Parties to <u>United States v. Oregon</u> entered into a 5-year (2001-05) agreement for management of upriver spring chinook, summer chinook, and sockeye. The National Marine Fisheries Service concurred with ODFW's Fisheries Management and Evaluation Plan for Upper Willamette spring chinook salmon. The largest upriver spring chinook return since at least 1938 occurred (416,500 fish). The mainstem sport and non-Indian commercial fisheries reopened for hatchery fish after 23 consecutive years of closures. The treaty Indian commercial gill-net fishery reopened, the first since 1977.</p>
2002	<p>The summer chinook sport fishery reopened for hatchery fish, the first season since 1973. The treaty Indian summer chinook commercial fishery reopened in a limited fashion after 36 consecutive years of closure.</p>

Table 5. Columbia River Commercial Landings (in Thousands of Fish) of Salmon and Steelhead, 1938-2002.

Year	Chinook	Coho	Sockeye	Chum	Steelhead	Total
1938	637.7	256.9	125.6	157.0	215.7	1,392.9
1939	690.8	170.0	81.0	96.3	175.8	1,213.9
1940	685.1	152.6	111.9	102.8	344.4	1,396.8
1941	1,180.0	116.8	150.0	340.1	325.6	2,112.5
1942	943.9	71.7	57.4	425.5	224.8	1,723.3
1943	583.7	78.5	42.9	78.7	185.1	968.9
1944	714.3	170.5	16.5	22.6	210.3	1,134.2
1945	657.0	204.0	2.7	48.3	240.0	1,152.0
1946	726.0	117.8	38.3	72.7	211.0	1,165.8
1947	877.7	166.9	211.4	40.7	201.6	1,498.3
1948	901.6	130.6	29.8	85.6	193.1	1,340.7
1949	558.7	99.9	7.7	44.7	99.8	810.8
1950	534.6	116.6	50.4	57.5	115.6	874.7
1951	475.0	107.6	46.3	43.6	150.2	822.7
1952	386.9	119.6	165.8	25.3	199.1	896.7
1953	345.1	51.6	41.0	20.4	233.7	691.8
1954	299.1	33.9	67.4	26.2	149.4	576.0
1955	505.7	68.9	59.7	10.3	166.3	810.9
1956	485.0	51.5	81.3	3.7	108.9	730.4
1957	339.1	46.3	65.1	2.7	96.8	550.0
1958	371.7	18.7	197.2	7.4	91.4	686.4
1959	267.8	15.2	185.0	3.5	103.5	575.0
1960	265.5	17.7	120.0	1.3	91.5	496.0
1961	253.6	37.7	40.7	1.4	99.9	433.3
1962	310.8	65.3	14.3	3.9	95.1	489.4
1963	251.1	65.2	14.0	1.2	114.4	445.9
1964	269.3	206.2	20.8	1.9	55.6	553.8
1965	335.5	234.7	5.9	0.5	64.3	640.9
1966	201.0	423.8	4.4	0.9	46.3	676.4
1967	262.6	382.4	55.7	0.9	50.2	751.8
1968	220.0	132.7	25.3	0.3	45.9	424.2
1969	317.9	197.9	27.5	0.3	48.9	592.5
1970	356.5	536.3	17.1	0.6	33.3	943.8
1971	331.5	277.4	76.2	0.5	51.4	737.0
1972	318.7	140.0	77.9	1.3	62.1	600.0
1973	453.6	194.8	3.7	1.4	52.9	706.4
1974	190.9	267.8	<0.1	0.9	19.3	478.9

Table 5. Continued

Year	Chinook	Coho	Sockeye	Chum	Steelhead	Total
1975	323.0	162.3	0.0	0.5	7.3	493.1
1976	288.4	172.4	0.1	1.2	9.6	471.7
1977	255.6	40.0	0.1	0.2	35.2	331.1
1978	189.1	136.4	<0.1	1.5	20.4	347.4
1979	171.0	131.5	<0.1	0.1	9.2	311.8
1980	150.3	150.4	<0.1	0.2	7.3	308.2
1981	95.1	61.6	<0.1	1.4	10.0	168.1
1982	155.3	206.0	0.1	1.8	9.4	372.6
1983	57.7	7.3	1.8	0.2	18.5	85.5
1984	127.9	203.1	31.6	1.8	75.1	439.5
1985	151.4	195.2	81.3	0.7	85.5	514.1
1986	283.1	997.8	6.1	1.8	72.0	1,360.8
1987	483.5	170.1	67.8	1.3	79.1	801.8
1988	489.0	368.2	48.5	2.5	78.5	986.7
1989	275.0	391.7	<0.1	1.4	60.9	729.0
1990	148.0	76.2	<0.1	0.8	32.6	257.6
1991	106.9	416.0	<0.1	0.4	37.0	560.3
1992	53.2	58.8	<0.1	0.7	51.9	164.7
1993	50.8	37.0	<0.1	<0.1	27.7	115.5
1994	33.5	64.8	0.0	<0.1	12.9	111.3
1995 1/	32.5	22.8	0.0	<0.1	12.7	68.0
1996	59.6	28.2	0.0	<0.1	9.5	97.3
1997	50.7	20.7	0.0	<0.1	9.2	80.6
1998	37.9	24.0	0.0	<0.1	5.3	67.2
1999	53.8	82.2	0.0	0.1	4.5	140.6
2000	59.0	178.3	0.4	<0.1	8.9	246.6
2001	130.0	257.3	3.2	0.1	15.9	406.5
2002	165.0	164.7	0.1	<0.1	9.4	339.2

1/ Since 1995 an increasing proportion of treaty Indian commercial landings have been sold to the general public and not to licensed fish buyers. General public sales figures are not included here.

Table 6. Commercial Fishing Zones and Areas on the Columbia River.

Area	Description
Zone 1	Easterly of a line projected from the knuckle of the south jetty on the Oregon bank to the inshore end of the north jetty on the Washington Bank, and westerly of a line projected from a beacon light at Grays Point on the Washington bank to the flashing 4-second red buoy "44" off the easterly tip of Tongue Point on the Oregon bank.
Zone 2	Easterly of a line projected from a beacon light at Grays Point on the Washington bank to the flashing 4-second red buoy "44" off the easterly tip of Tongue Point on the Oregon bank, and westerly of a line projected from the 4-second flashing green light "81" on the Washington bank to a boundary marker on the easterly end of the Beaver Terminal Pier in Oregon, including all waters of Grays Bay, those waters of Deep River downstream of the Highway 4 bridge, all waters of Seal Slough, those waters of Grays River downstream of a line projected between fishing boundary markers on both banks at the Leo Reisticka farm, and those waters of Elokomín Slough and Elokomín River downstream of the Highway 4 bridge.
Zone 3	Easterly of a line projected from the 4-second flashing green light "81" on the Washington bank to a boundary marker on the easterly end of the Beaver Terminal Pier in Oregon, and westerly of a line projected true west from the east or upstream bank of the Lewis River mouth in Washington.
Zone 4	Easterly of a line projected true west from the east or upstream bank of the Lewis River in Washington, and westerly of a line projected true north from Rooster Rock on the Oregon bank, and those waters of Camas Slough downstream of the westernmost powerline crossing at the Crown Zellerbach Mill.
Zone 5	Easterly of a line projected true north from Rooster Rock on the Oregon bank, and westerly of a line projected from a deadline marker on the Oregon bank to a deadline marker on the Washington bank, both such deadline markers located approximately 5 miles downstream from Bonneville Dam.
Area 2S	From a downstream boundary of a true north/south line through flashing red 4-second light "50" near the Oregon bank to an upstream boundary of a straight line from a deadline marker on the Oregon bank to a deadline marker on the Washington bank, both such deadline markers located approximately 5 miles downstream from Bonneville Dam.
Washougal Reef Shad Area	Area lying within a line commencing at the green 6-second equal-interval light approximately 3/4 mile east of the Washougal Woolen Mill pipeline and projected westerly to the Washougal blinker light (Light "50"); thence continuing westerly to the green 4-second blinker light on the east end of Lady Island to the State highway 14 Bridge; thence easterly across State Highway 14 bridge to the mainland.

Table 6 Continued.

Area	Description
Zone 7 (Youngs Bay Select Area)	Waters of Youngs Bay from the new Highway 101 bridge upstream to the upper boundary markers at the mouth of Battle Creek Slough; except for those waters that are closed southerly of the alternate Highway 101 bridge (Lewis and Clark River).
Big Creek Select Area	Calendar and Big creek sloughs east from boundary markers at the west end of Minaker Island, upstream to a deadline marker on Karlson Island to a marker on the north bank at the mouth of Blind Slough across to a marker on the south bank.
Zone 71 (Tongue Point Select Area)	In those waters of the Columbia River Tongue Point basin bounded by a line from the red light "2" at Tongue Point to the flashing green light "3" at a rock jetty on the northwesterly tip of Mott Island, a line from a marker at the south end of Mott Island easterly to a marker on the northwest bank of Lois Island, and a line from a marker on the southwest end of Lois Island due westerly to a marker on the opposite bank.
Zone 71 (South Channel Select Area)	In those waters bounded by a line from a marker on John Day Point through the green buoy "7" thence to a marker on the southwest end of Lois Island upstream to an upper boundary line from a marker on Settler point northwesterly to flashing red marker "10".
Zone 74 (Blind Slough Select Area)	In those waters adjoining the Columbia River that extend from markers at the mouth of Blind Slough upstream to markers at the mouth of Gnat Creek which is located approximately 1/2 mile upstream of the county road bridge.
Zone 74 (Knappa Slough Select Area)	In those waters bounded by a line from the northerly most marker at the mouth of Blind Slough westerly to a marker on Karlson Island downstream to a north-south line defined by a marker on the eastern end of Minaker island to markers on Karlson Island and the Oregon shore.
Zone 80 (Deep River Select Area)	From the town of Deep River, Washington, downstream to markers at the mouth of Deep River (from a marker at Miller Point westerly to a marker on the opposite bank).
Zone 81 (Steamboat Slough Select Area)	In those waters bounded by markers on Price Island and the Washington shore at both ends of Steamboat Slough.
Zone 6 (Treaty Indian Fishing Area)	Three pool area between Bonneville and McNary dams.

Table 7a. Non-Indian Commercial Fishing Seasons, 2001.

Main-Stem Salmon and Sturgeon Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
1 1/4	Winter	Jan 8, noon - Jan 9, 6 PM	9" min. and 9 3/4" max. mesh size restrictions.	Zones 1-5. Grays Bay, Elokomin-A, Abernathy Creek, Gnat Creek, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in place. Salmon and sturgeon.
1 1/4		Jan 11, noon - Jan 12, 6 PM	Same.	Same.
1 1/4		Jan 15, noon - Jan 16, 6 PM	Same.	Same.
1 1/4		Jan 18, noon - Jan 19, 6 PM	Same.	Same.
1 1/4		Jan 22, noon - Jan 23, 6 PM	Same.	Same.
1 1/4		Jan 25, noon - Jan 26, 6 PM	Same.	Same.
1 1/4		Jan 29, noon - Jan 30, 6 PM	Same.	Same.
1 1/4		Feb 1, noon - Feb 2, 6 PM	Same.	Same.
1 1/4		Feb 5, noon - Feb 6, 6 PM	Same.	Same.
1 1/4		Feb 8, noon - Feb 9, 6 PM	Same.	Same.
1 1/4		Feb 26, noon - Feb 27, 6 PM	8" min. and 9 3/4" max. mesh size restrictions.	Zones 1-4 (mouth upstream to Kelley Point). Grays Bay, Gnat Creek, Elokomin-A, Abernathy Creek, Cowlitz R., Kalama-A, and Lewis-A sanctuaries in place. Salmon and sturgeon.
1 1/4		Mar 1, noon - Mar 2, 6 PM	Same.	Same.
1 3/4		Mar 4, 6 PM - Mar 6, noon	Same.	Same, except no Gnat Creek sanctuary.
19 hrs		Mar 6, 5 PM - Mar 7, noon	Same.	Same.
15 hrs		Mar 8, noon - Mar 9, 3 AM	Same.	Same.
--	Spring	No Season		
15 hrs	Sockeye	Jun 26, 6 AM - 9 PM	4 1/2 " max. mesh size restriction. Single wall, unslackened, floater gillnet.	Zones 1-2. Grays Bay, Big Cr., Gnat Cr., and Elokomin-A sanctuaries are in place. Non-adipose finclipped sockeye, chinook <or= 24", shad, and sturgeon.
10 hrs		Jun 28, 6 AM - 4 PM	Same.	Same.
12 hrs	Early Fall	Aug 5, 7 PM - Aug 6, 7 AM	9" min. and 9 3/4" max. mesh size restrictions.	Zones 1-3 (mouth upstream to the Longview Bridge). No sanctuaries are in place. Salmon and sturgeon.

Table 7a. Continued

Main-Stem Salmon and Sturgeon Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
8 hrs	Early Fall (cont.)	Aug 8, 10 PM - Aug 9, 6 AM	9" min. and 9 3/4" max. mesh size restrictions.	Zone 1 (mouth upstream to Tongue Point (OR)/Grays Point (WA) line). No sanctuaries in place. Salmon only. No sturgeon sales allowed.
10 hrs	Early Fall-Area 2S	Aug 20, 8 PM - Aug 21, 6 AM	Same.	Area 2S extended (I-205 Bridge upstream to Beacon Rock). Sandy and Washougal River sanctuaries in place. Salmon and sturgeon.
10 hrs		Aug 21, 8 PM - Aug 22, 6 AM	Same.	Same.
10 hrs		Aug 22, 8 PM - Aug 23, 6 AM	Same.	Same, except salmon only. No sturgeon sales allowed.
10 hrs		Aug 23, 8 PM - Aug 24, 6 AM	Same.	Same.
10 hrs		Aug 24, 8 PM - Aug 25, 6 AM	Same.	Same.
12 hrs		Late Fall	Sep 17, 7 AM - 7 PM	6" max. mesh size restriction. Unslackened, floater gill net. Monofilament gillnet webbing allowed.
12 hrs	Sep 18, 7 AM - 7 PM		Same.	Same.
12 hrs	Sep 19, 7 AM - 7 PM		Same.	Same.
1	Sep 20, 7 AM - Sep 21, 7 AM		9 3/4" max. mesh size restriction. Monofilament gillnet webbing allowed.	Same.
4	Sep 24, 7 AM - Sep 28, 7 AM		Same.	Zones 1-3 (mouth upstream to the downstream boundary of Kalama-B sanctuary). Grays Bay, Elokomin-A, and Cowlitz River sanctuaries are in place. Salmon only. No sturgeon sales allowed.
4	Oct 1, 7 AM - Oct 5, 7 AM		Same.	Zones 1-4 (mouth upstream to Navigation Light 13 at the upper end of Bachelor Island). Grays Bay, Elokomin-A, Cowlitz R., Kalama-A, and Lewis-A sanctuaries in place. Salmon only. No sturgeon sales allowed.
4	Oct 8, 7 AM - Oct 12, 7 AM		Same.	Zones 1-5 (mouth upstream to Beacon Rock). Grays Bay, Elokomin-A, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in place. Salmon only. No sturgeon sales allowed.
4	Oct 15, 7 AM - Oct 19, 7 AM		Same.	Same.
4	Oct 22, 7 AM - Oct 26, 7 AM		Same.	Same.
2 1/2		Oct 29, 7 AM - Oct 31, 7 PM	6" max. mesh size restriction. Monofilament gillnet webbing allowed.	Zones 2-5 (Settler Point (OR)/Harrington Point line (WA) upstream to Beacon Rock). Same, except no Grays Bay sanctuary. Salmon only, except the sale of chum is prohibited. No sturgeon sales allowed.

Table 7a. Continued.

Main-Stem Salmon and Sturgeon Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
10 hrs	Late Fall-Area 2S	Sep 17, 8 PM - Sep 18, 6 AM	8" min. and 9 3/4" max. mesh size restriction. Monofilament gillnet webbing allowed.	Area 2S extended (I-205 Bridge upstream to Beacon Rock). Sandy and Washougal River sanctuaries in place. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 20, 7 PM - Sep 21, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
12 hrs		Oct 1, 7 PM - Oct 2, 7 AM	Same.	Same.
12 hrs		Oct 2, 7 PM - Oct 3, 7 AM	Same.	Same.
12 hrs		Oct 3, 7 PM - Oct 4, 7 AM	Same.	Same.

Select Area Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
2 1/4	Youngs Bay - Winter	Feb 21, noon - Feb 23, 6 PM	8" min. and 9 3/4" max. mesh size restrictions. Net not to exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom. Monofilament gillnet webbing allowed.	Youngs Bay select fishing area (Oregon only). Upper deadline at confluence of Youngs and Klaskanine Rivers. Permanent transportation rules in effect. Salmon, sturgeon, and shad.
2 1/4		Feb 28, noon - Mar 2, 6 PM	Same.	Same.
2 1/4		Mar 7, noon - Mar 9, 6 PM	Same.	Same.
2 1/4	Youngs Bay - Spring	Apr 18, noon - Apr 20, 6 PM	8" max. mesh size restriction. Net not to exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom. Monofilament gillnet webbing allowed.	Same.
2 1/4		Apr 25, noon - Apr 27, 6 PM	Same.	Same.
3 1/4		May 1, noon - May 4, 6 PM	Same.	Same.
4 1/4		May 7, noon - May 11, 6 PM	Same.	Same.
4 1/4		May 14, noon - May 18, 6 PM	Same.	Same.

Table 7a. Continued.

Select Area Seasons (continued)					
Days	Season	Dates	Special Regulations		
			Gear	Area/Other	
4 1/4	Youngs Bay - Spring (cont.)	May 21, noon - May 25, 6 PM	8" max. mesh size restriction. Net not to exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom. Monofilament gillnet webbing allowed.	Youngs Bay select fishing area (Oregon only). Upper deadline at confluence of Youngs and Klaskanine Rivers. Permanent transportation rules in effect. Salmon, sturgeon, and shad.	
4 1/4		May 28, noon - Jun 1, 6 PM	Same.	Same.	
4 1/4		Jun 4, noon - Jun 8, 6 PM	Same.	Same.	
3 1/4		Jun 11, noon - Jun 14, 6 PM	Same.	Same.	
2 1/4		Youngs Bay - Summer	Jun 18, noon - Jun 20, 6 PM	Same.	Same.
2 1/4			Jun 25 noon - Jun 27, 6 PM	Same.	Same.
1 1/4			Jul 2, noon - Jul 3, 6 PM	Same.	Same.
1 1/4			Jul 9, noon - Jul 10, 6 PM	Same.	Same.
1 1/4			Jul 16, noon - Jul 17, 6 PM	Same.	Same.
1 1/4			Jul 23, noon - Jul 24, 6 PM	Same.	Same.
1 1/4			Jul 30, noon - Jul 31, 6 PM	Same.	Same.
1 1/4		Youngs Bay - Fall	Aug 6, noon - Aug 7, 6 PM	Same.	Same. Salmon and sturgeon.
1 1/4			Aug 13, noon - Aug 14, 6 PM	Same.	Same.
1 1/4			Aug 20, noon - Aug 21, 6 PM	Same.	Youngs Bay select fishing area (Oregon only). Upper deadline at Battle Creek Slough. Permanent transportation rules in effect. Salmon and sturgeon.
1 1/4	Aug 27, noon - Aug 28, 6 PM		Same.	Same.	
12 hrs	Aug 30, 7 AM - 7 PM		6" max. mesh size restriction. Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom. Monofilament gillnet webbing allowed.	Same, except salmon only. No sturgeon sales allowed.	
57 1/4		Sep 4, noon - Oct 31, 6 PM	Same.	Same, except the sale of chum prohibited effective noon, Oct. 28.	
12 hrs	Tongue Point- Winter	Feb 20, 7 PM - Feb 21, 7 AM	8" min. and 9 3/4" max. mesh size restriction. Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom.	Tongue Point Basin select fishing area only (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon, sturgeon, and shad.	

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Tongue Point-Winter (cont.)	Feb 27, 7 PM - Feb 28, 7 AM	8" min. and 9 3/4" max. mesh size restriction. Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom.	Tongue Point Basin select fishing area only (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon, sturgeon, and shad.
12 hrs		Mar 6, 7 PM - Mar 7, 7 AM	Same.	Same.
10 hrs	Tongue Point / South Channel - Spring	Apr 17, 7 PM - Apr 18, 5 AM	8" max. mesh size restriction. <u>Tongue Point</u> : Net may not exceed 250 fathoms in length and leadline may not exceed 2 lbs. per fathom. <u>South Channel</u> : Net may not exceed 100 fathoms in length and no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon, sturgeon, and shad.
10 hrs		Apr 24, 7 PM - Apr 25, 5 AM	Same.	Same.
10 hrs		May 1, 7 PM - May 2, 5 AM	Same.	Same.
10 hrs		May 3, 7 PM - May 4, 5 AM	Same.	Same.
10 hrs		May 8, 7 PM - May 9, 5 AM	Same.	Same.
10 hrs		May 10, 7 PM - May 11, 5 AM	Same.	Same.
10 hrs		May 15, 7 PM - May 16, 5 AM	Same.	Same.
10 hrs		May 17, 7 PM - May 18, 5 AM	Same.	Same.
10 hrs		May 22, 7 PM - May 23, 5 AM	Same.	Same.
10 hrs		May 24, 7 PM - May 25, 5 AM	Same.	Same.
10 hrs		May 29, 7 PM - May 30, 5 AM	Same.	Same.
10 hrs		May 31, 7 PM - Jun 1, 5 AM	Same.	Same.
10 hrs		Jun 5, 7 PM - Jun 6, 5 AM	Same.	Same.
10 hrs		Jun 7, 7 PM - Jun 8, 5 AM	Same.	Same.
10 hrs		Jun 12, 7 PM - Jun 13, 5 AM	Same.	Same.
12hrs		Tongue Point - Fall	Sep 4, 7 PM - Sep 5, 7 AM	6" max. mesh size restriction. Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom.
12 hrs	Sep 5, 7 PM - Sep 6, 7 AM		Same.	Same.

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Tongue Point - Fall (cont.)	Sep 6, 7 PM - Sep 7, 7 AM	6" max. mesh size restriction. Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs. per fathom.	Tongue Point Basin select fishing area only (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	Same.
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	Same.
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	Same.
12 hrs		Sep 13, 7 PM - Sep 14, 7 AM	Same.	Same.
12 hrs	Tongue Point/ South Channel - Fall	Sep 17, 7 PM - Sep 18, 7 AM	6" max. mesh size restriction. Monofilament gillnet webbing allowed. Tongue Point: Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs.per fathom. South Channel: Net may not exceed 100 fathoms in length and no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	Same.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 20, 7 PM - Sep 21, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
12 hrs		Sep 27, 7 PM - Sep 28, 7 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 4, 6 PM - Oct 5, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Tongue Point / South Channel - Fall (cont.)	Oct 11, 6 PM - Oct 12, 8 AM	6" max. mesh size restriction. Monofilament gillnet webbing allowed. Tongue Point : Net may not exceed 250 fathoms in length and leadline not to exceed 2 lbs.per fathom. South Channel : Net may not exceed 100 fathoms in length and no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs. per fathom. Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 18, 6 PM - Oct 19, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs		Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.
14 hrs		Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.
14 hrs		Oct 25, 6 PM - Oct 26, 8 AM	Same.	Same.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same, except the sale of chum prohibited.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.
12 hrs	Blind Slough - Winter	Feb 19, 7 PM - Feb 20, 7 AM	8" min. and 9 3/4" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Blind Slough select fishing area only (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon, sturgeon, and shad.
12 hrs		Feb 26, 7 PM - Feb 27, 7 AM	Same.	Same.
12 hrs		Mar 5, 7 PM - Mar 6, 7 AM	Same.	Same.
12 hrs	Blind Slough - Spring	Apr 2, 7 PM - Apr 3, 7 AM	8" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Blind Slough select fishing area only (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon, sturgeon, and shad.
12 hrs		Apr 9, 7 PM - Apr 10, 7 AM	Same.	Same.
12 hrs	Blind Slough / Knappa Slough - Spring	Apr 16, 7 PM - Apr 17, 7 AM	Same.	Blind Slough/Knappa Slough select fishing areas (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon, sturgeon, and shad.
12 hrs		Apr 23, 7 PM - Apr 24, 7 AM	Same.	Same.
12 hrs		Apr 30, 7 PM - May 1, 7 AM	Same.	Same.

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Blind Slough / Knappa Slough - Spring	May 2, 7 PM - May 3, 7 AM	8" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Blind Slough/Knappa Slough select fishing areas (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon, sturgeon, and shad.
12 hrs		May 7, 7 PM - May 8, 7 AM	Same.	Same.
12 hrs		May 9, 7 PM - May 10, 7 AM	Same.	Same.
12 hrs		May 14, 7 PM - May 15, 7 AM	Same.	Same.
12 hrs		May 16, 7 PM - May 17, 7 AM	Same.	Same.
12 hrs		May 21, 7 PM - May 22, 7 AM	Same.	Same.
12 hrs		May 23, 7 PM - May 24, 7 AM	Same.	Same.
12 hrs		May 28, 7 PM - May 29, 7 AM	Same.	Same.
12 hrs		May 30, 7 PM - May 31, 7 AM	Same.	Same.
12 hrs		Jun 4, 7 PM - Jun 5, 7 AM	Same.	Same.
12 hrs		Jun 6, 7 PM - Jun 7, 7 AM	Same.	Same.
12 hrs		Jun 11, 7 PM - Jun 12, 7 AM	Same.	Same.
12 hrs		Jun 13, 7 PM - Jun 14, 7 AM	Same.	Same.
12 hrs		Blind Slough / Knappa Slough - Fall	Sep 4, 7 PM - Sep 5, 7 AM	Net may not exceed 100 fathoms in length and no weight restriction on leadline. Blind Slough: 6" max. mesh size restriction. Knappa Slough: no mesh size restriction.
12 hrs	Sep 5, 7 PM - Sep 6, 7 AM		Same.	Same.
12 hrs	Sep 6, 7 PM - Sep 7, 7 AM		Same.	Same.
12 hrs	Sep 10, 7 PM - Sep 11, 7 AM		Same.	Same.
12 hrs	Sep 11, 7 PM - Sep 12, 7 AM		Same.	Same.
12 hrs	Sep 12, 7 PM - Sep 13, 7 AM		Same.	Same.
12 hrs	Sep 13, 7 PM - Sep 14, 7 AM		Same.	Same.
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline. Monofilament gillnet webbing allowed.	Same.

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Blind Slough / Knappa Slough - Fall (cont.)	Sep 18, 7 PM - Sep 19, 7 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline. Monofilament gillnet webbing allowed.	Blind Slough/Knappa Slough select fishing areas (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 20, 7 PM - Sep 21, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
12 hrs		Sep 27, 7 PM - Sep 28, 7 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 4, 6 PM - Oct 5, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 11, 6 PM - Oct 12, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 18, 6 PM - Oct 19, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs	Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.	
14 hrs	Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.	
14 hrs	Oct 25, 6 PM - Oct 26, 8 AM	Same.	Same.	

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Blind Slough / Knappa Slough - Fall (cont.)	Oct 29, 6 PM - Oct 30, 8 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline. Monofilament gillnet webbing allowed.	Blind Slough/Knappa Slough select fishing areas (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules in effect. Salmon only, except sale of chum prohibited. No sturgeon sales allowed.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	
12 hrs	Deep River - Fall	Sep 4, 7 PM - Sep 5, 7 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Deep River select fishing area (concurrent waters up to Highway 4 Bridge, Washington only above). Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 5, 7 PM - Sep 6, 7 AM	Same.	
12 hrs		Sep 6, 7 PM - Sep 7, 7 AM	Same.	
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	
12 hrs		Sep 13, 7 PM - Sep 14, 7 AM	Same.	
12 hrs		Sep 16, 7 PM - Sep 17, 7 AM	Same.	
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	Same, except monofilament gillnet webbing allowed.	
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	
12 hrs		Sep 20, 7 PM - Sep 21, 7 AM	Same.	
12 hrs		Sep 23, 7 PM - Sep 24, 7 AM	Same.	
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	
12 hrs		Sep 27, 7 PM - Sep 28, 7 AM	Same.	
14 hrs		Sep 30, 6 PM - Oct 1, 8 AM	Same.	
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Deep River - Fall (cont.)	Oct 2, 6 PM - Oct 3, 8 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline. Monofilament gillnet webbing allowed.	Deep River select fishing area (concurrent waters up to Highway 4 Bridge, Washington only above). Permanent transportation rules in effect. Salmon only. No sturgeon sales allowed.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 4, 6 PM - Oct 5, 8 AM	Same.	Same.
14 hrs		Oct 7, 6 PM - Oct 8, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 11, 6 PM - Oct 12, 8 AM	Same.	Same.
14 hrs		Oct 14, 6 PM - Oct 15, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 18, 6 PM - Oct 19, 8 AM	Same.	Same.
14 hrs		Oct 21, 6 PM - Oct 22, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs		Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.
14 hrs		Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.
14 hrs		Oct 25, 6 PM - Oct 26, 8 AM	Same.	Same.
14 hrs		Oct 28, 6 PM - Oct 29, 8 AM	Same.	Same, except sale of chum prohibited.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same.
14 hrs	Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.	
12 hrs	Steamboat Slough - Fall	Sep 4, 7 PM - Sep 5, 7 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Steamboat Slough select fishing area (concurrent waters). Fishers may transport their catch outside of fishing area with a permit issued by an authorized agency employee after examining the catch. Salmon only. No sturgeon sales allowed.

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Steamboat Slough - Fall (cont.)	Sep 5, 7 PM - Sep 6, 7 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline.	Steamboat Slough select fishing area (concurrent waters). Fishers may transport their catch outside of fishing area with a permit issued by an authorized agency employee after examining the catch. Salmon only. No sturgeon sales allowed.
12 hrs		Sep 6, 7 PM - Sep 7, 7 AM	Same.	Same.
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	Same.
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	Same.
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	Same.
12 hrs		Sep 13, 7 PM - Sep 14, 7 AM	Same.	Same.
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	Same, except monofilament gillnet webbing allowed.	Same.
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	Same.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 20, 7 PM - Sep 21, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
12 hrs		Sep 27, 7 PM - Sep 28, 7 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 4, 6 PM - Oct 5, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs	Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.	
14 hrs	Oct 11, 6 PM - Oct 12, 8 AM	Same.	Same.	

Table 7a. Continued.

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Steamboat Slough - Fall (cont.)	Oct 15, 6 PM - Oct 16, 8 AM	6" max. mesh size restriction. Net may not exceed 100 fathoms in length and no weight restriction on leadline. Monofilament gillnet webbing allowed.	Steamboat Slough select fishing area (concurrent waters). Fishers may transport their catch outside of fishing area with a permit issued by an authorized agency employee after examining the catch. Salmon only. No sturgeon sales allowed.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 18, 6 PM - Oct 19, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs		Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.
14 hrs		Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.
14 hrs		Oct 25, 6 PM - Oct 26, 8 AM	Same.	Same.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same, except sale of chum prohibited.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.

Special Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
18 hrs	Smelt - Mainstem	Jan 3, 3 AM - 9 PM	Trawl, gill, and dip nets. Gillnet mesh <2". No trawl vessel >32' above Zone 1.	Zones 1-5 commercial smelt fishing only.
18 hrs		Jan 10, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 17, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 24, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 31, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 7, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 14, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 21, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 28, 3 AM - 9 PM	Same.	Same.

Table 7a. Continued.

Special Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
18 hrs	Smelt - Mainstem (cont.)	Mar 7, 3 AM - 9 PM	Trawl, gill, and dip nets. Gillnet mesh <2". No trawl vessel >32' above Zone 1.	Zones 1-5 commercial smelt fishing only.
18 hrs		Mar 12, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 14, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 19, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 21, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 26, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 28, 3 AM - 9 PM	Same.	Same.
13	Smelt Tributaries	Jan 2 - Mar 28	Dip net.	Cowlitz River open 3 PM Tuesday through 3 AM Wednesday, weekly. All other Columbia River tributaries are closed, excluding the Sandy River.
4	Spring-Experimental	April 23-May 18	3 1/2" min. and 4 1/2" max. mesh size restrictions. Net may not exceed 150 fathoms in length. Operating recovery box is required. Monofilament gillnet webbing allowed.	Zones 1-5. Grays Bay, Elokomina-A, Abernathy Creek, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in place. Participants may fish one 6-10 hr fishing period per week. Adipose fin-clipped chinook and shad. A total of 20 commercial fishers have been chosen by lottery to participate.
5	Shad - Area 2S	May 21 - May 25	Single wall, unslackened, floater gillnet. 5 3/8" min. and 6 1/4" max. mesh size restriction - 10 lb. breaking strength. Net may not exceed 150 fathoms in length in length nor 40 meshes in depth.	Area 2S. Open 3 PM - 10 PM, daily. Shad only.
4		May 29 - Jun 1	Same.	Same.
5		Jun 4 - Jun 8	Same.	Same.
5		Jun 11 - Jun 15	Same.	Same.
5		Jun 18 - Jun 22	Same.	Same.
5		Jun 25- Jun 29	Same.	Same.
--		Shad - Wash. Reef	No Season	
6	Late Fall - Experimental	Sep 5 - Sep 14	3 1/2" min. and 4 1/2" max. mesh size restrictions. Net may not exceed 150 fathoms in length. Operating recovery box is required.	Zones 1-3 (mouth upstream to the Longview Bridge). Grays Bay, Elokomina-A, and Abernathy Creek sanctuaries in place. The number of fishing days not to exceed six and the hours fished per fishing day not to exceed eight. Participants must be authorized by WDFW. Adipose fin-clipped coho and chinook. No sturgeon sales allowed. Participants may sell no more than 25 bright chinook as determined by WDFW observer.

Table 7a. Continued

Special Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
4 1/2	Late Fall - Experimental (cont.)	Sep 24, 6 AM - Sep 28, 6 PM	3 1/2" min. and 4 1/2" max. mesh size restrictions. Operating recovery box is required. Monofilament gillnet webbing allowed.	Mouth upstream to the downstream boundary of Kalama-B and from the I-205 Bridge upstream to Beacon Rock. Grays Bay, Elokomin-A, Cowlitz R., Washougal R., and Sandy R. sanctuaries in place. A WDFW monitor must be onboard participating fishing vessels. Salmon only, except chum must be released. No sturgeon sales allowed.
4 1/2		Oct 1, 6 AM - Oct 5, 6 PM	3 1/2" min. and 4 1/2" max. mesh size restrictions. Operating recovery box is required. Monofilament gillnet webbing allowed.	Mouth upstream to Navigation Light 13 at the upper end of Bachelor Island and from the I-205 Bridge upstream to Beacon Rock. Grays Bay, Elokomin-A, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in place. A WDFW monitor must be onboard participating fishing vessels. Salmon only, except chum must be released. No sturgeon sales allowed.
23 1/2		Oct 8, 6 AM - Oct 31, 6 PM	3 1/2" min. and 4 1/2" max. mesh size restrictions. Operating recovery box is required. Monofilament gillnet webbing allowed.	Zones 1-5 (mouth upstream to Beacon Rock). Grays Bay, Elokomin-A, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in place. A WDFW monitor must be onboard participating fishing vessels. Salmon only, except chum must be released. No sturgeon sales allowed.
365	Herring/Anchovy	Entire Year	Seine not to exceed 1400' in length. 1/2" min. mesh size restriction.	Seaward of Astoria - Megler Bridge. Herring and anchovies only.

Table 7b. Non-Indian Commercial Fishing Seasons, 2002.

Main-Stem Salmon and Sturgeon Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
1 1/4	Winter	Jan 7, noon - Jan 8, 6 PM	9" min. and 9 3/4" max. mesh size restrictions.	Zones 1-5. Sandy River sanctuary in effect. Adipose fin-clipped salmon and sturgeon.
1 1/4		Jan 10, noon - Jan 11, 6 PM	Same.	Same.
1 1/4		Jan 14, noon - Jan 15, 6 PM	Same.	Same.
1 1/4		Jan 17, noon - Jan 18, 6 PM	Same.	Same.
1 1/4		Jan 21, noon - Jan 22, 6 PM	Same.	Same.
1 1/4		Jan 24, noon - Jan 25, 6 PM	Same.	Same.
1 1/4		Jan 28, noon - Jan 29, 6 PM	Same.	Same.
1 1/4		Jan 31, noon - Feb 1, 6 PM	Same.	Same.
1 1/4		Feb 4, noon - Feb 5, 6 PM	Same.	Same.
1 1/4		Feb 11, noon - Feb 12, 6 PM	Same.	Same.
1 1/4		Feb 14, noon - Feb 15, 6 PM	Same.	Same.
14 hrs		Feb 25, 5 AM to 7 PM	5 1/2" max. mesh size restriction, net length not to exceed 150 fathoms. Two operable recovery boxes or 1 box with 2 chambers required onboard with a flow of 16-20 gal./minute.	Zones 1-5. Grays R., Gnat Creek, Elokomina-A, Abernathy Creek, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in effect. Soak times not to exceed 45 min. Adipose fin-clipped salmon and sturgeon.
14 hrs		Feb 27, 5 AM to 7 PM	Same.	Same.
14 hrs		Mar 1, 5 AM to 7 PM	Same.	Same.
14 hrs		Mar 4, 5 AM to 7 PM	Same.	Same.
14 hrs		Mar 6, 5 AM to 7 PM	Same.	Same.
14 hrs		Mar 8, 5 AM to 7 PM	Same.	Same.
1		Mar 10, 6 PM - Mar 11, 6 PM	Same.	Same, except lighted buoys required on each end of net (sunset - sunrise).
1		Mar 12, 6 PM - Mar 13, 6 PM	Same.	Same.
1	Mar 14, 6 PM - Mar 15, 6 PM	Same.	Same.	
1	Mar 17, 6 PM - Mar 18, 6 PM	Same.	Same.	
1	Mar 19, 6 PM - Mar 20, 6 PM	Same.	Same.	
2	Mar 20, 6 PM - Mar 22, 6 PM	Same.	Same, except operation of each recovery box required while retrieving or picking net.	

Table 7b. Continued

Main-Stem Salmon and Sturgeon Seasons (continued)					
Days	Season	Dates	Special Regulations		
			Gear	Area/Other	
18 hrs	Winter - (cont.)	Mar 24, 6 PM - Mar 25, noon	5 1/2" max. mesh size restriction, net length not to exceed 150 fathoms. Two operable recovery boxes or 1 box with 2 chambers required onboard with a flow of 16-20 gal./minute.	Zones 1-5. Grays R., Gnat Creek, Elokomin-A, Abernathy Creek, Cowlitz R., Kalama-A, Lewis-A, Washougal R., and Sandy R. sanctuaries in effect. Soak times not to exceed 45 minutes. Lighted buoys required on each end of the net (sunset - sunrise). Operation of each recovery box required while retrieving or picking the net. Adipose fin-clipped salmon and sturgeon.	
15 hrs		Mar 26, 6 PM - Mar 27, 9 AM	Same.	Same.	
--		Spring	No Season		
--		Summer	No Season		
12 hrs	Early Fall	Aug 4, 7 PM - Aug 5, 7 AM	8" min. and 9 3/4" max. mesh size restrictions.	Zones 1-3 (Mouth upsteam to Longview Bridge). Grays R. and Elokomin-A sanctuaries in effect. Salmon and white sturgeon. A maximum of five white sturgeon may be possessed or sold by each participating vessel during each of the open fishing periods. The possession or sale of green sturgeon is prohibited.	
12 hrs		Aug 6, 7 PM - Aug 7, 7 AM	Same.	Same.	
12 hrs		Aug 8, 7 PM - Aug 9, 7 AM	Same.	Same.	
12 hrs		Aug 9, 7 PM - Aug 10, 7 AM	Same.	Same areas. Salmon only. No sturgeon sales allowed.	
12 hrs		Aug 11, 7 PM - Aug 12, 7 AM	Same.	Zones 2-3 (Tongue Point/Grays Point line upstream to Lewis River mouth/Warrior Point line). Grays R., Elokomin-A, Cowlitz, Kalama, and Lewis-A sanctuaries in effect. Salmon only. No sturgeon sales allowed.	
10 hrs		Aug 18, 8 PM - Aug 19, 6 AM	9" min. and 9 3/4" max. mesh size restrictions.	Area 2S expanded, zones 4-5 (I-205 Bridge upstream to Beacon Rock). Sandy and Washougal River sanctuaries in effect. Salmon and white sturgeon. A maximum of five white sturgeon may be possessed or sold by each participating vessel during each of the open fishing periods. The possession or sale of green sturgeon is prohibited.	
10 hrs		Aug 20, 8 PM - Aug 21, 6 AM	Same.	Same.	
10 hrs		Aug 22, 8 PM - Aug 23, 6 AM	Same.	Same.	
10 hrs		Aug 25, 8 PM - Aug 26, 6 AM	Same.	Same.	
10 hrs		Aug 27, 8 PM - Aug 28, 6 AM	Same.	Same.	
12 hrs	Late Fall	Sep 16, 7 AM - 7 PM	Unslackened floater gillnet with 6" max. mesh size restriction.	Zones 1-3 (Mouth upstream to the Longview Bridge). Grays R., Elokomin-A, and Abernathy Creek sanctuaries in effect. Salmon and sturgeon.	

Table 7b. Continued

Main-Stem Salmon and Sturgeon Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Late Fall - (cont.)	Sep 19, 7 AM - 7 PM	Unslackened floater gillnet with 6" max. mesh size restriction.	Zones 1-3 (Mouth upstream to the Longview Bridge). Grays R., Elokomin-A, and Abernathy Creek sanctuaries in effect. Salmon and sturgeon.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	8" min. mesh size restriction	Zones 4-5 (Warrior Point on the Oregon Shore to the Lewis River mouth on the Washington shore upstream to Beacon Rock). Sandy and Washougal River sanctuaries in effect. Salmon and sturgeon.
1 1/2		Sep 24, 7 PM - Sep 26, 7 AM	9 3/4" max. mesh size restriction downstream of the Longview Bridge and 8" - 9 3/4" mesh size restriction upstream of the lower Zone 4 boundary from Warrior Rock on the Oregon shore to the mouth of the Lewis River on the Washington shore.	Zones 1-5 (Mouth upstream to Beacon Rock; except closed from the Longview Bridge upstream to the lower Zone 4 boundary from Warrior Point on the Oregon Shore to the Lewis River mouth on the Washington shore). Grays R., Elokomin-A, Abernathy Creek, Sandy R., and Washougal R. sanctuaries in effect. Salmon and sturgeon. A maximum of five white sturgeon may be possessed or sold by each participating vessel during the open fishing period.
12hrs		Sep 26, 7 PM - Sep 27, 7 AM	8" min. mesh size restriction	Zones 4-5 (Warrior Point on the Oregon Shore to the Lewis River mouth on the Washington shore upstream to Beacon Rock). Sandy and Washougal River sanctuaries in effect. Salmon only. No sturgeon sales allowed.
1		Sep 30, 7 PM - Oct 1, 7 PM	No minimum and 9 3/4" max. mesh size restriction downstream of the lower Zone 4 boundary from Warrior Point on the Oregon shore to the mouth of the Lewis River on the Washington shore and 8" min. and 9 3/4" max. mesh size restrictions upstream of the lower Zone 4 boundary.	Zones 1-5 (Mouth upstream to Beacon Rock). Grays R., Elokomin (A), Abernathy Creek, Cowlitz R., Kalama-A, Lewis-A, Sandy R., and Washougal R. sanctuaries in effect. Salmon and sturgeon. A maximum of five white sturgeon may be possessed or sold by each participating vessel during each open fishing period.
1		Oct 2, 7 PM - Oct 3, 7 PM	Same.	Same.
1		Oct 6, 7 PM - Oct 7, 7 PM	Same.	Same.
1		Oct 9, 7 PM - Oct 10, 7 PM	Same.	Same.
3 1/2		Oct 14, 7 PM - Oct 18, 7 AM	No minimum and 9 3/4" max. mesh size restriction.	Same areas and sanctuaries. Salmon and sturgeon. Each participating vessel during any fishing period may possess or sell a daily maximum of five white sturgeon, with a weekly (Monday-Friday) maximum of 15 white sturgeon sold.
3 1/2		Oct 21, 7 PM - Oct 25, 7 AM	Same.	Same.
3		Oct 28, 7 AM - Oct 31, 7 AM	Same.	Zones 2-5 (From a line between Harrington Point on the Washington shore to Settler Point on the Oregon shore upstream to a line extending from the Green Navigation Marker 85 near River Mile 140 at a right angle to the thread of the Columbia River to the Oregon shore). Grays R., Elokomin-A, Abernathy Creek, Cowlitz R., Kalama-A, Lewis-A, Sandy R., and Washougal R. sanctuaries in effect. Salmon only. No sturgeon sales allowed.

Table 7b. Continued

Select Area Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
2 1/4	Youngs Bay - Winter	Feb 20, noon - Feb 22, 6 PM	8" min. mesh size restriction. Nets may not exceed 250 fathoms in length. Leadline not to exceed 2 lbs per fathom.	Youngs Bay select fishing area (Oregon only). Upper deadline at confluence of Youngs and Klaskanine Rivers. Permanent transportation rules are in effect. Salmon, sturgeon, and shad.
2 1/4		Feb 27, noon - Mar 1, 6 PM	Same.	Same.
2 1/4		Mar 6, noon - Mar 8, 6 PM	Same.	Same.
2 1/4	Youngs Bay - Spring	Apr 17, noon - Apr 19, 6 PM	8" max. mesh size restriction. Nets may not exceed 250 fathoms in length. Leadline not to exceed 2 lbs per fathom.	Same.
2 1/4		Apr 24, noon - Apr 26, 6 PM	Same.	Same.
3 1/4		Apr 30, noon - May 3, 6 PM	Same.	Same.
4 1/4		May 6, noon - May 10, 6 PM	Same.	Same.
4 1/4		May 13, noon - May 17, 6 PM	Same.	Same.
4 1/4		May 20, noon - May 24, 6 PM	Same.	Same.
4 1/4		May 27, noon - May 31, 6 PM	Same.	Same.
4 1/4		Jun 3, noon - Jun 7, 6 PM	Same.	Same.
3 1/4		Jun 10, noon - Jun 13, 6 PM	Same.	Same.
2 1/4		Youngs Bay - Summer	Jun 19, noon - Jun 21, 6 PM	Same.
2 1/4	Jun 26 noon - Jun 28, 6 PM		Same.	Same.
1 1/4	Jul 3, noon - Jul 4, 6 PM		Same.	Same.
1 1/4	Jul 10, noon - Jul 11, 6 PM		Same.	Same.
1 1/4	Jul 17, noon - Jul 18, 6 PM		Same.	Same.
1 1/4	Jul 24, noon - Jul 25, 6 PM		Same.	Same.
1 1/4	Jul 31, noon - Aug 1, 6 PM		Same.	Same.
1 1/4	Youngs Bay - Fall	Aug 7, noon - Aug 8, 6 PM	8" max. mesh size restriction. Nets may not exceed 250 fathoms in length. Leadline not to exceed 2 lbs per fathom.	Youngs Bay select fishing area (Oregon only). Upper deadline at Battle Creek Slough. Permanent transportation rules are in effect. Salmon and white sturgeon. The possession or sale of green sturgeon is prohibited.
1 1/4		Aug 14, noon - Aug 15, 6 PM	Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
1 1/4	Youngs Bay - Fall (cont.)	Aug 21, noon - Aug 22, 6 PM	8" max. mesh size restriction. Nets may not exceed 250 fathoms in length. Leadline not to exceed 2 lbs per fathom.	Youngs Bay select fishing area (Oregon only). Upper deadline at Battle Creek Slough. Permanent transportation rules are in effect. Salmon and white sturgeon. The possession or sale of green sturgeon is prohibited.
1 1/4		Aug 28, noon - Aug 29, 6 PM	Same.	Same.
58 1/4		Sep 3, noon - Oct 31, 6 PM	6" max. mesh size restriction. Nets may not exceed 250 fathoms in length. Leadline not to exceed 2 lbs per fathom.	Same areas. Both salmon and sturgeon may be sold.
10 hrs	Tongue Point / South Channel - Spring	Apr 18, 7 PM - Apr 19, 5 AM	Tongue Point: 8" max. mesh size restriction. Nets may not exceed 250 fathoms in length and leadline may not exceed 2 lbs per fathom. South Channel: 8" max mesh size restriction. Nets may not exceed 100 fathoms in length and there is no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs per fathom. Permanent transportation rules are in effect. Salmon, sturgeon, and shad.
10 hrs		Apr 25, 7 PM - Apr 26, 5 AM	Same.	Same.
10 hrs		Apr 30, 7 PM - May 1, 5 AM	Same.	Same.
10 hrs		May 2, 7 PM - May 3, 5 AM	Same.	Same.
10 hrs		May 7, 7 PM - May 8, 5 AM	Same.	Same.
10 hrs		May 9, 7 PM - May 10, 5 AM	Same.	Same.
10 hrs		May 14, 7 PM - May 15, 5 AM	Same.	Same.
10 hrs		May 16, 7 PM - May 17, 5 AM	Same.	Same.
10 hrs		May 21, 7 PM - May 22, 5 AM	Same.	Same.
10 hrs		May 23, 7 PM - May 24, 5 AM	Same.	Same.
10 hrs		May 28, 7 PM - May 29, 5 AM	Same.	Same.
10 hrs		May 30, 7 PM - May 31, 5 AM	Same.	Same.
10 hrs		Jun 4, 7 PM - Jun 5, 5 AM	Same.	Same.
10 hrs		Jun 6, 7 PM - Jun 7, 5 AM	Same.	Same.
10 hrs		Jun 11, 7 PM - Jun 12, 5 AM	Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12hrs	Tongue Point - Fall	Sep 3, 7 PM - Sep 4, 7 AM	6" max. mesh size restriction in effect for Tongue Point Basin. Nets may not exceed 250 fathoms in length and leadline not to exceed 2 lbs per fathom.	Tongue Point Basin select fishing area (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs per fathom. Permanent transportation rules are in effect. Salmon and sturgeon.
12 hrs		Sep 4, 7 PM - Sep 5, 7 AM	Same.	Same.
12 hrs		Sep 5, 7 PM - Sep 6, 7 AM	Same.	Same.
12 hrs		Sep 9, 7 PM - Sep 10, 7 AM	Same.	Same.
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	Same.
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	Same.
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	Same.
12 hrs	Tongue Point / South Channel - Fall	Sep 16, 7 PM - Sep 17, 7 AM	Tongue Point: 6" max. mesh size restriction. Nets may not exceed 250 fathoms in length and leadline may not exceed 2 lbs per fathom. South Channel: 6" max. mesh size restriction. Nets may not exceed 100 fathoms in length and there is no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs per fathom. Permanent transportation rules are in effect. Salmon and sturgeon.
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	Same.	Same.
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	Same.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 23, 7 PM - Sep 24, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
14 hrs		Sep 30, 6 PM - Oct 1, 8 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 7, 6 PM - Oct 8, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Tongue Point / South Channel - Fall (cont.)	Oct 9, 6 PM - Oct 10, 8 AM	Tongue Point: 6" max. mesh size restriction. Nets may not exceed 250 fathoms in length and leadline may not exceed 2 lbs per fathom. South Channel: 6" max. mesh size restriction. Nets may not exceed 100 fathoms in length and there is no weight restriction on the leadline.	Tongue Point Basin/South Channel select fishing areas (concurrent waters). Fishers in Tongue Point area may have stored onboard, gill nets with a leadline in excess of 2 lbs per fathom. Permanent transportation rules are in effect. Salmon and sturgeon.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 14, 6 PM - Oct 15, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 21, 6 PM - Oct 22, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs		Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.
14 hrs		Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.
14 hrs		Oct 28, 6 PM - Oct 29, 8 AM	Same.	Same.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.
12 hrs	Blind Slough - Winter	Feb 18, 7 PM - Feb 19, 7 AM	8" min. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon, sturgeon, and shad.
12 hrs		Feb 25, 7 PM - Feb 26, 7 AM	Same.	Same.
12 hrs		Mar 4, 7 PM - Mar 5, 7 AM	Same.	Same.
12 hrs	Blind Slough / Knappa Slough - Spring	Apr 18, 7 PM - Apr 19, 7 AM	8" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough/Knappa Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon, sturgeon, and shad.
12 hrs		Apr 25, 7 PM - Apr 26, 7 AM	Same.	Same.
12 hrs		Apr 30, 7 PM - May 1, 7 AM	Same.	Same.
12 hrs		May 2, 7 PM - May 3, 7 AM	Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Blind Slough / Knappa Slough - Spring (cont.)	May 7, 7 PM - May 8, 7 AM	8" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough/Knappa Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon, sturgeon, and shad.
12 hrs		May 9, 7 PM - May 10, 7 AM	Same.	Same.
12 hrs		May 14, 7 PM - May 15, 7 AM	Same.	Same.
12 hrs		May 16, 7 PM - May 17, 7 AM	Same.	Same.
12 hrs		May 21, 7 PM - May 22, 7 AM	Same.	Same.
12 hrs		May 23, 7 PM - May 24, 7 AM	Same.	Same.
12 hrs		May 28, 7 PM - May 29, 7 AM	Same.	Same.
12 hrs		May 30, 7 PM - May 31, 7 AM	Same.	Same.
12 hrs		Jun 4, 7 PM - Jun 5, 7 AM	Same.	Same.
12 hrs		Jun 6, 7 PM - Jun 7, 7 AM	Same.	Same.
12 hrs		Jun 11, 7 PM - Jun 12, 7 AM	Same.	Same.
3	Blind Slough / Knappa Slough - Fall	Aug 26, 7 PM - Aug 29, 7 PM	9 3/4" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough/Knappa Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon and sturgeon.
12 hrs		Sep 3, 7 PM - Sep 4, 7 AM	Same.	Same.
12 hrs		Sep 4, 7 PM - Sep 5, 7 AM	Same.	Same.
12 hrs		Sep 5, 7 PM - Sep 6, 7 AM	Same.	Same.
12 hrs		Sep 9, 7 PM - Sep 10, 7 AM	Same.	Same.
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	Same.
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	Same.
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	Same.
12 hrs		Sep 16, 7 PM - Sep 17, 7 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Same.
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Blind Slough / Knappa Slough - Fall (cont.)	Sep 18, 7 PM - Sep 19, 7 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough/Knappa Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon and sturgeon.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 23, 7 PM - Sep 24, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
14 hrs		Sep 30, 6 PM - Oct 1, 8 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 7, 6 PM - Oct 8, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 14, 6 PM - Oct 15, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 21, 6 PM - Oct 22, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs	Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.	
14 hrs	Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.	
14 hrs	Oct 28, 6 PM - Oct 29, 8 AM	Same.	Same.	

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Blind Slough / Knappa Slough - Fall (cont.)	Oct 29, 6 PM - Oct 30, 8 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Blind Slough/Knappa Slough select fishing area (concurrent waters up to railroad bridge, Oregon only above). Permanent transportation rules are in effect. Salmon and sturgeon.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.
12 hrs	Deep River - Fall	Sep 3, 7 PM - Sep 4, 7 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Deep River select fishing area (concurrent waters up to Highway 4 Bridge, Washington only above). Permanent transportation rules are in effect. Salmon and sturgeon.
12 hrs		Sep 4, 7 PM - Sep 5, 7 AM	Same.	Same.
12 hrs		Sep 5, 7 PM - Sep 6, 7 AM	Same.	Same.
12 hrs		Sep 9, 7 PM - Sep 10, 7 AM	Same.	Same.
12 hrs		Sep 10, 7 PM - Sep 11, 7 AM	Same.	Same.
12 hrs		Sep 11, 7 PM - Sep 12, 7 AM	Same.	Same.
12 hrs		Sep 12, 7 PM - Sep 13, 7 AM	Same.	Same.
12 hrs		Sep 16, 7 PM - Sep 17, 7 AM	Same.	Same.
12 hrs		Sep 17, 7 PM - Sep 18, 7 AM	Same.	Same.
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	Same.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 23, 7 PM - Sep 24, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
14 hrs		Sep 30, 6 PM - Oct 1, 8 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs	Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.	
14 hrs	Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.	
14 hrs	Oct 7, 6 PM - Oct 8, 8 AM	Same.	Same.	

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Deep River - Fall (cont.)	Oct 8, 6 PM - Oct 9, 8 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Deep River select fishing area (concurrent waters up to Highway 4 Bridge, Washington only above). Permanent transportation rules are in effect. Salmon and sturgeon.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 14, 6 PM - Oct 15, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 21, 6 PM - Oct 22, 8 AM	Same.	Same.
14 hrs		Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.
14 hrs		Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.
14 hrs		Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.
14 hrs		Oct 28, 6 PM - Oct 29, 8 AM	Same.	Same.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.
12 hrs		Steamboat Slough - Fall	Sep 3, 7 PM - Sep 4, 7 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.
12 hrs	Sep 4, 7 PM - Sep 5, 7 AM		Same.	Same.
12 hrs	Sep 5, 7 PM - Sep 6, 7 AM		Same.	Same.
12 hrs	Sep 9, 7 PM - Sep 10, 7 AM		Same.	Same.
12 hrs	Sep 10, 7 PM - Sep 11, 7 AM		Same.	Same.
12 hrs	Sep 11, 7 PM - Sep 12, 7 AM		Same.	Same.
12 hrs	Sep 12, 7 PM - Sep 13, 7 AM		Same.	Same.
12 hrs	Sep 16, 7 PM - Sep 17, 7 AM		Same.	Same.

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
12 hrs	Steamboat Slough - Fall (cont.)	Sep 17, 7 PM - Sep 18, 7 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Steamboat Slough select fishing area (concurrent waters). Fishers may transport their catch outside of fishing area with a permit issued by an authorized agency employee after examining the catch. Salmon and sturgeon.
12 hrs		Sep 18, 7 PM - Sep 19, 7 AM	Same.	Same.
12 hrs		Sep 19, 7 PM - Sep 20, 7 AM	Same.	Same.
12 hrs		Sep 23, 7 PM - Sep 24, 7 AM	Same.	Same.
12 hrs		Sep 24, 7 PM - Sep 25, 7 AM	Same.	Same.
12 hrs		Sep 25, 7 PM - Sep 26, 7 AM	Same.	Same.
12 hrs		Sep 26, 7 PM - Sep 27, 7 AM	Same.	Same.
14 hrs		Sep 30, 6 PM - Oct 1, 8 AM	Same.	Same.
14 hrs		Oct 1, 6 PM - Oct 2, 8 AM	Same.	Same.
14 hrs		Oct 2, 6 PM - Oct 3, 8 AM	Same.	Same.
14 hrs		Oct 3, 6 PM - Oct 4, 8 AM	Same.	Same.
14 hrs		Oct 7, 6 PM - Oct 8, 8 AM	Same.	Same.
14 hrs		Oct 8, 6 PM - Oct 9, 8 AM	Same.	Same.
14 hrs		Oct 9, 6 PM - Oct 10, 8 AM	Same.	Same.
14 hrs		Oct 10, 6 PM - Oct 11, 8 AM	Same.	Same.
14 hrs		Oct 14, 6 PM - Oct 15, 8 AM	Same.	Same.
14 hrs		Oct 15, 6 PM - Oct 16, 8 AM	Same.	Same.
14 hrs		Oct 16, 6 PM - Oct 17, 8 AM	Same.	Same.
14 hrs		Oct 17, 6 PM - Oct 18, 8 AM	Same.	Same.
14 hrs		Oct 21, 6 PM - Oct 22, 8 AM	Same.	Same.
14 hrs	Oct 22, 6 PM - Oct 23, 8 AM	Same.	Same.	
14 hrs	Oct 23, 6 PM - Oct 24, 8 AM	Same.	Same.	
14 hrs	Oct 24, 6 PM - Oct 25, 8 AM	Same.	Same.	

Table 7b. Continued

Select Area Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
14 hrs	Steamboat Slough - Fall (cont.)	Oct 28, 6 PM - Oct 29, 8 AM	6" max. mesh size restriction. Nets may not exceed 100 fathoms in length. No weight restriction on leadline.	Steamboat Slough select fishing area (concurrent waters). Fishers may transport their catch outside of fishing area with a permit issued by an authorized agency employee after examining the catch. Salmon and sturgeon. Same.
14 hrs		Oct 29, 6 PM - Oct 30, 8 AM	Same.	Same.
14 hrs		Oct 30, 6 PM - Oct 31, 8 AM	Same.	Same.

Special Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
18 hrs	Smelt - Main-stem	Jan 2, 3 AM - 9 PM	Gill, trawl, and dip nets. Gillnet mesh <2". No trawl vessel >32' above Zone 1.	Zones 1-5 commercial smelt fishing only.
18 hrs		Jan 6, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 9, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 13, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 16, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 20, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 23, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 27, 3 AM - 9 PM	Same.	Same.
18 hrs		Jan 30, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 1, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 3, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 6, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 8, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 10, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 13, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 15, 3 AM - 9 PM	Same.	Same.

Table 7b. Continued

Special Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
18 hrs	Smelt - Main-stem (cont.)	Feb 17, 3 AM - 9 PM	Gill, trawl, and dip nets. Gillnet mesh <2". No trawl vessel >32' above Zone 1.	Zones 1-5 commercial smelt fishing only.
18 hrs		Feb 20, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 22, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 24, 3 AM - 9 PM	Same.	Same.
18 hrs		Feb 27, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 1, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 3, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 6, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 8, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 10, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 13, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 15, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 17, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 20, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 22, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 24, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 27, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 29, 3 AM - 9 PM	Same.	Same.
18 hrs		Mar 31, 3 AM - 9 PM	Same.	Same.
10		Smelt Tributaries	Jan 1 - Feb 4	Dipnets.
9	Smelt Tributaries expanded	Feb 5 - Feb 25	Same.	Cowlitz downstream from Peterson's eddy, Kalama downstream from Modrow Bridge, Lewis mainstem and north fork downstream from the overhead power lines near Eagle Island. Three fishing periods per week (6 PM - 6 AM: Sun/Mon, Tues/Wed, Wed/Thur).

Table 7b. Continued

Special Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
15	Smelt Tributaries expanded	Feb 26 - Mar 31	Dipnets	Cowlitz downstream from Peterson's eddy, Kalama downstream from Modrow Bridge, Lewis mainstem and north fork downstream from the overhead power lines near Eagle Island. Four fishing periods per week (6 PM - 6 AM: Sun/Mon, Tues/Wed, Wed/Thur, Thur/Fri).
5	Shad - Area 2S	May 20 - May 24	5 3/8" min. and 6 1/4" max. mesh size restriction - 10 lb breaking strength. Net must be single-wall, unslackened, floater gillnet and may not exceed 150 fathoms in length or 40 meshes in depth.	Area 2S. Open 3 PM - 10 PM, daily. Shad only.
4		May 28 - May 31	Same.	Same.
5		Jun 3 - Jun 7	Same.	Same.
5		Jun 10 - Jun 14	Same.	Same.
5		Jun 17 - Jun 21	Same.	Same.
5		Jun 24 - Jun 28	Same.	Same.
	Shad - Wash. Reef	No Season		
365	Herring/Anchovy	Entire Year	Seine not to exceed 1400' in length. 1/2" min. mesh size restriction.	Seaward of Astoria - Megler Bridge. Herring and anchovies only.

Table 8a. Treaty Indian Commercial Fishing Seasons, 2001.

Gill-Net Salmon and Sturgeon Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
41 1/2	Winter	Feb 1, 6 AM - Mar 14, 6 PM	No mesh size restrictions.	All of Zone 6. Standard dam and river mouth sanctuaries in place, except no Spring Creek sanctuary. Salmon, steelhead, sturgeon, shad, walleye, and carp.
2 1/2	Spring	Apr 17, 6 AM - Apr 19, 6 PM	No mesh size restrictions.	All of Zone 6. Standard dam and river mouth sanctuaries in place, except no Spring Creek sanctuary. Salmon, steelhead, shad, and walleye. No sturgeon sales allowed.
2 1/2		Apr 26, 6 AM - Apr 28, 6 PM	Same.	Same.
1 1/2		May 4, 6 AM - May 5, 6 PM	Same.	Same.
2 1/2		May 10, 6 AM - May 12, 6 PM	Same.	Same.
2 1/2		May 24, 6 AM - May 26, 6 PM	Same.	Same.
1 1/2		Sockeye	Jun 25, 6 AM - Jun 26, 6 PM	4 1/2" max. mesh size restriction.
1 1/2	Jun 30, 6 AM - Jul 1, 6 PM		Same.	Same.
4 1/2	Fall	Aug 28, 6 AM - Sep 1, 6 PM	No mesh size restrictions.	All of Zone 6. Standard dam and river mouth sanctuaries in place including the standard Spring Creek Hatchery sanctuary. Chinook, coho, steelhead, walleye, and shad. No sturgeon sales allowed.
4 1/2		Sep 4, 6 AM - Sep 8, 6 PM	Same.	Same.
4 1/2		Sep 11, 6 AM - Sep 15, 6 PM	Same.	Same, except the small Spring Creek Hatchery sanctuary (150 foot radius around the fish ladder entrance) in place.
2 1/2		Sep 27, 6 AM - Sep 29, 6 PM	Same.	Same.
6 1/2		Fall - Sturgeon	Nov 14, 6 AM - Nov 20, 6 PM	Diver gill net with 8 1/2" min. mesh size restriction.
7 1/2	Nov 23, 6 AM - Nov 30, 6 PM		Same.	Bonneville Pool (Zone 61) only. Same.
14 1/2	Nov 23, 6 AM - Dec 7, 6 PM		Same.	John Day Pool (Zone 63) only. Same.

Table 8a. Continued

Special Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
30	Sturgeon	Jan 1, noon - Jan 31, noon	Setline.	All of Zone 6. Standard sanctuaries in place. Sturgeon only.
78 1/2		Jun 1, 6 AM - Aug 18, 6 PM	Same.	Bonneville and John Day pools (Zones 61 and 63) only. Sturgeon only.
91 1/2		Oct 1, 6 AM - Dec 31, 6 PM	Same.	Bonneville and John Day pools (Zones 61 and 63) only. Sturgeon only.
36 3/4	Spring-Subsistence	Apr 21, 6 AM - May 28, 11:59 AM	Subsistence fishing gear; including dip nets, hoop nets, setbag nets, and hook-and-line.	All of Zone 6. Fish caught in platform and hook and line fisheries may be sold. Fish caught in the Drano Lake, Wind River, and Klickitat River tributary fisheries may be sold when open. Salmon, steelhead, walleye, carp, and shad.
1 1/2	Sockeye-Subsistence	Jun 25, 6 AM - Jun 26, 6 PM	Same.	Same, except no Drano Lake or Wind River tributary fisheries.
15 1/2		Jun 30, 6 AM - Jul 15, 6 PM	Same.	Same.
5 1/2		Jul 20, 6 AM - Jul 25, 6 PM	Same.	Same.
41 1/2	Fall-Subsistence	Aug 20, 6 AM - Sep 30, 6 PM	Same.	All of Zone 6. Fish caught in platform and hook and line fisheries may be sold. Fish caught in the Klickitat River may be sold when the Klickitat River is open. Salmon, steelhead, walleye, and shad.
49 1/2	Fall - Klickitat River	Oct 2, noon - Dec 15, midnight	Same.	Klickitat River. Open noon Tuesday through midnight Saturday, weekly. Only salmon may be sold. Steelhead may not be sold (subsistence fishery). Fishers must have a transportation ticket issued to them by the Yakima Nation in order to sell fish outside the immediate area of the Klickitat River.
365	Shad	Entire Year	Dip net.	All of Zone 6. Dipnet caught shad may be sold.

Table 8b. Treaty Indian Commercial Fishing Seasons, 2002.

Gill-Net Salmon and Sturgeon Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
48	Winter	Feb 1, noon - Mar 21, 4 PM	No mesh size restrictions.	All of Zone 6, except the John Day Pool is closed 6 PM March 15. Standard dam and river mouth sanctuaries in place, except Spring Creek sanctuary not in place. Salmon, steelhead, sturgeon, shad, walleye, and carp. Sale of salmon is prohibited March 9 - 21.
2 1/2	Spring	Apr 25, 6 AM - Apr 27, 6 PM	Same.	All of Zone 6. All standard sanctuaries are in place, except the Spring Creek sanctuary not in place. Chinook salmon, steelhead, walleye, carp, and shad. No sturgeon sales.
2 1/2		May 2, 6 AM - May 4, 6 PM	Same.	Same.
1 1/2		May 10, 6 AM - May 11, 6 PM	Same.	Same.
1 1/2		May 17, 6 AM - May 18, 6 PM	Same.	Same.
--		Sockeye	No Season	
3 1/2	Fall	Aug 28, 6 AM - Aug 31, 6 PM	8" min. mesh size restriction in effect.	All of Zone 6. Standard dam and river mouth sanctuaries in effect including the standard Spring Creek Hatchery sanctuary. Chinook, coho, steelhead, walleye, and shad. No sturgeon sales.
3 1/2		Sep 4, 6 AM - Sep 7, 6 PM	Same.	Same, except the closure at the mouth of Spring Creek is the smaller sanctuary within a radius of 150 feet of the Spring Creek Hatchery fishway.
3 1/2		Sep 11, 6 AM - Sep 14, 6 PM	Same.	Same.
4 1/2		Sep 16, 6 AM - Sep 20, 6 PM	Same.	Same.
3 1/2		Sep 25, 6 AM - Sep 28, 6 PM	Same.	Same.

Special Seasons				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
30	Sturgeon	Jan 1, noon - Jan 31, noon	Setline.	All of Zone 6. Standard sanctuaries in effect. Sturgeon only.
78 1/2		Jun 1, 6 AM - Aug 17, 6 PM	Same.	Bonneville Pool and The Dalles Pool only. Sturgeon only.
26 1/2		Oct 1, 6 AM - Oct 27, 6 PM	Same.	Bonneville Pool and The Dalles Pool only. Sturgeon only.
19		Oct 27, 6 PM - Dec 15, 6 PM	Same.	Bonneville Pool only. Sturgeon only.
2 1/2	Spring	Apr 25, 6 AM - Apr 27, 6 PM	Subsistence fishing gear; including dip nets, hoop nets, setbag nets, and hook-and-line.	All of Zone 6 including the Wind, Big White Salmon, and Klickitat rivers. Chinook salmon, steelhead, walleye, shad, and carp may be sold. Sturgeon may not be sold.
2 1/2		May 2, 6 AM - May 4, 6 PM	Same.	Same.

Table 8b. Continued

Special Seasons (continued)				
Days	Season	Dates	Special Regulations	
			Gear	Area/Other
1 1/2	Spring (cont.)	May 10, 6 AM - May 11, 6 PM	Subsistence fishing gear; including dip nets, hoop nets, setbag nets, and hook-and-line.	All of Zone 6 including the Wind, Big White Salmon, and Klickitat rivers. Chinook salmon, steelhead, walleye, shad, and carp may be sold. Sturgeon may not be sold.
6		May 17, 6 AM - May 23, 6 AM	Same.	All of Zone 6. Commercial sales of platform caught fish and fish caught in Wind, Big White Salmon, Klickitat Rivers, and Drano Lake are allowed. Chinook salmon, steelhead, walleye, shad, and carp may be sold. Sturgeon may not be sold.
6 1/4		May 23, 6 AM - May 29, noon	Same.	All of Zone 6. Commercial sales of platform caught fish and fish caught in Wind, Big White Salmon, Klickitat Rivers, and Drano Lake are allowed. Allows sales of shad only. Also, sale of chinook salmon, steelhead, walleye, and carp are allowed from Drano Lake area only.
2 3/4		May 29, noon - Jun 1, 6 AM	Same.	All of Zone 6. Commercial sales of platform caught fish and fish caught in Wind, Big White Salmon, Klickitat Rivers, and Drano Lake are allowed. Allows sale of shad only.
4 1/2	Summer	Jul 3, 6 AM - Jul 7, 6 PM	Subsistence fishing gear; including dip nets, hoop nets, and rod and reel with hook-and-line.	All waters of Zone 6. Only fish landed from platforms and by hook and line may be sold. Fish caught in the Wind and Klickitat Rivers may be sold when the sale of platform and by hook and line fish are allowed. Summer chinook, steelhead, sockeye, walleye, shad, and carp.
12 1/2		Jul 19, 6 AM - Jul 31, 6 PM	Same.	Same.
40 1/2		Aug 19, 6 AM - Sep 28, 6 PM	Same.	All waters in Zone 6. Fish caught in platform and hook and line fisheries may be sold. Fish caught in the Klickitat may be sold when the Klickitat River is open. Chinook, coho, steelhead, walleye, and shad.
365	Shad	Entire Year	Dip net.	All of Zone 6. Dipnet caught shad may be sold.
38 1/4	Klickitat River - Fall	Oct 15 - Dec 14	Dip net, setbag net, and hook-and-line with bait or lures.	Klickitat River. Open noon Tuesday through 6 PM Saturday, weekly. Only salmon may be sold. Steelhead may not be sold (subsistence fishery). Fishers must have a transportation ticket issued to them by the Yakima Nation in order to sell fish outside a one-mile radius of Klickitat Falls.

Table 9. Listed Status Under the Federal ESA for Salmon and Steelhead of the Columbia Basin.

Species - ESU	Designation	Register Date	Effective date	Description
<u>Sockeye</u>				
<i>Snake River</i>	Endangered	November 20, 1991	December 20, 1991	Idaho-origin populations.
<u>Chinook</u>				
<i>Snake River Fall</i>	Threatened	April 22, 1992	May 22, 1992	Mainstem Snake, Tucannon, Grande Ronde, Imnaha, Salmon, and Clearwater river natural-spawning populations.
<i>Snake River Spring/Summer</i>	Threatened	April 22, 1992	May 22, 1992	All natural populations in the mainstem Snake, Tucannon, Grand Ronde, Imnaha, and Salmon rivers. Clearwater spring/summer chinook are excluded.
<i>Upper Columbia Spring</i>	Endangered	March 24, 1999	May 24, 1999	Tributaries from Rock Island Dam to Chief Joseph Dam including the Wenatchee, Entiat, and Methow rivers. Includes the Chiwawa, Methow, Twisp, Chewuch, White, and Nason hatchery stocks.
<i>Upper Columbia Summer/Fall</i>	Not warranted	--	March 19, 1998	All naturally spawned populations of summer and fall run chinook salmon in the Columbia River and tributaries upstream of the confluence of the Snake and Columbia Rivers to Chief Joseph Dam excluding chinook salmon which spawn in the Marion Drain.
<i>Middle Columbia Spring</i>	Not warranted	--	March 19, 1998	All naturally spawned populations of spring run chinook salmon in Columbia River tributaries from the Klickitat River upstream to include the Yakima River and to exclude the Snake River Basin.
<i>Lower Columbia R. Spring/Fall</i>	Threatened	March 24, 1999	May 24, 1999	All naturally spawned populations from the river mouth upstream to, but not including the Klickitat River.
<i>Upper Willamette Spring</i>	Threatened	March 24, 1999	May 24, 1999	All naturally spawned populations in the Clackamas River and in the Willamette River and its tributaries above Willamette Falls.
<i>Deschutes River Fall</i>	Not Warranted	--	September 16, 1999	All naturally spawned populations from the Deschutes River.
<u>Chum</u>				
<i>Columbia River</i>	Threatened	March 25, 1999	May 24, 1999	All naturally spawned populations in the mainstem and its tributaries.
<u>Coho</u>				
<i>Lower Columbia</i>	Candidate	1995	1995	Currently the subject of a status review. Decision pending.
<u>Steelhead</u>				
<i>Snake River</i>	Threatened	August 18, 1997	October 17, 1997	Snake River Basin tributaries.
<i>Upper Columbia River</i>	Endangered	August 18, 1997	October 17, 1997	Tributaries upstream from the Yakima River to the US/Canada Border. The listed component includes Wells Hatchery steelhead.
<i>Middle Columbia River</i>	Threatened	March 25, 1999	May 24, 1999	Tributaries from above the Wind River in WA and the Hood River in OR (exclusive), upstream to, and including, the Yakima River.
<i>Lower Columbia River</i>	Threatened	March 19, 1998	May 18, 1998	Tributaries between the Cowlitz and Wind rivers (inclusive) in WA and the Willamette and Hood rivers (inclusive) in OR.
<i>Southwest Washington</i>	Not warranted	--	August 9, 1996	River basins of, and tributaries to, Grays Harbor, Willapa Bay, and the Columbia River below the Cowlitz River in WA and the Willamette River in OR. Only winter run steelhead are native to these drainages.
<i>Upper Willamette</i>	Threatened	March 25, 1999	May 24, 1999	Willamette River and its tributaries, upstream from Willamette Falls to the Calapooia River, inclusive.
<u>Smelt</u>				
<i>Columbia River</i>	Petition not Accepted			

Table 10a. Runsize Forecast and Actual Adult Returns of Selected Runs of Salmon to the Columbia River, 2001.

Selected Runs	Preseason Forecast	Actual Returns	Actual as % of Forecasted
Spring Chinook			
Cowlitz River 1/	1,000	1,700	170%
Kalama River 1/	1,000	1,700	170%
Lewis River 1/	2,800	2,200	79%
Willamette River 2/	61,000	80,300	132%
Sandy River 3/	4,000	5,600	140%
Upriver Run	364,600	416,100	114%
Wind River (Carson NFH) 1/	42,600	25,600	60%
Little White Salmon River 1/	11,100	14,300	129%
Klickitat River 1/	1,900	1,100	58%
Yakima River 1/	26,100	21,500	82%
Ringold Pond 1/	2,200	3,100	141%
Icicle River (Leavenworth NFH) 1/	9,300	12,800	138%
Snake River	206,700	237,400	115%
Snake River Wild	39,300	67,800	173%
Summer Chinook			
All Runs	24,500	46,400	189%
Snake River	6,100	20,400	334%
Snake River Wild	3,100	2,600	84%
Fall Chinook			
Lower River Hatchery	30,500	94,300	309%
Lower River Wild	18,500	15,700	85%
Select Area Bright	3,400	4,900	144%
Bonneville Pool Hatchery	61,900	125,000	202%
Mid-Columbia Bright	45,300	75,300	166%
Upriver Bright	132,700	232,600	175%
Snake River	NA	NA	NA
Snake River Wild	7,600	NA	NA
Sockeye			
All Runs	78,100	116,600	149%
Wenatchee	37,000	42,900	116%
Okanogan	41,000	73,800	180%
Snake River	105	50	48%
Coho			
Early	760,500	672,700	88%
Late	310,700	405,900	131%

1/ Adult returns to subbasin only.

2/ Total (adult and jack) return.

3/ Total (adult and jack) return to subbasin only.

NA: Not available when this document was prepared

Table 10b. Runsize Forecast and Actual Adult Returns of Selected Runs of Salmon to the Columbia River, 2002.

Selected Runs	Preseason Forecast	Actual Returns	Actual as % of Forecasted
Spring Chinook			
Cowlitz River 1/	3,100	3,700	119%
Kalama River 1/	1,600	2,800	175%
Lewis River 1/	2,000	2,900	145%
Willamette River 2/	73,800	121,700	165%
Sandy River 3/	4,300	7,000	163%
Upriver Run	333,700	295,100	88%
Wind River (Carson NFH) 1/	40,400	26,800	66%
Little White Salmon River 1/	18,500	20,600	111%
Klickitat River 1/	1,600	2,300	144%
Yakima River 1/	21,800	14,600	67%
Ringold Pond 1/	NA	NA	NA
Icicle River (Leavenworth NFH) 1/	NA	NA	NA
Snake River	149,800	132,700	89%
Snake River Wild	44,900	60,200	134%
Summer Chinook			
All Runs	77,700	129,000	166%
Snake River	17,000	27,900	164%
Snake River Wild	6,600	4,400	67%
Fall Chinook			
Lower River Hatchery	133,000	156,400	118%
Lower River Wild	18,300	24,900	136%
Select Area Bright	5,000	5,700	114%
Bonneville Pool Hatchery	136,000	160,800	118%
Mid-Columbia Bright	91,800	106,000	115%
Upriver Bright	273,800	276,900	101%
Snake River	NA	NA	NA
Snake River Wild	NA	NA	NA
Sockeye			
All Runs	41,200	49,600	120%
Wenatchee	14,000	35,800	256%
Okanogan	27,200	13,800	51%
Snake River	26	57	219%
Coho			
Early	112,700	277,600	246%
Late	58,900	232,300	394%

1/ Adult returns to subbasin only.

2/ Total (adult and jack) return.

3/ Total (adult and jack) return to subbasin only.

NA: Not available when this document was prepared

Table 11a. Five Day Average Columbia River Temperature, Turbidity, and Flow at Bonneville Dam, 2001.

Five Day Period			Temp. (°F)	Turb. (ft)	Flow (kcfs)	Five Day Period			Temp. (°F)	Turb. (ft)	Flow (kcfs)
01-Jan	to	5-Jan	44.0	7.0	136.3	30-Jun	to	04-Jul	64.8	7.0	112.9
06-Jan	to	10-Jan	44.0	7.0	130.9	05-Jul	to	09-Jul	65.0	5.9	88.4
11-Jan	to	15-Jan	44.2	7.1	129.3	10-Jul	to	14-Jul	66.6	6.7	88.9
16-Jan	to	20-Jan	44.4	6.7	141.5	15-Jul	to	19-Jul	65.8	5.4	86.9
21-Jan	to	25-Jan	44.0	7.0	132.4	20-Jul	to	24-Jul	65.2	6.4	83.9
26-Jan	to	30-Jan	43.8	6.9	129.5	25-Jul	to	29-Jul	67.2	6.0	89.7
31-Jan	to	04-Feb	43.8	7.0	130.0	30-Jul	to	03-Aug	67.8	5.8	79.8
05-Feb	to	09-Feb	43.8	4.9	124.2	04-Aug	to	08-Aug	68.2	6.5	97.0
10-Feb	to	14-Feb	43.2	6.0	131.4	09-Aug	to	13-Aug	70.0	6.2	110.8
15-Feb	to	19-Feb	43.0	6.0	140.9	14-Aug	to	18-Aug	70.0	6.1	112.1
20-Feb	to	24-Feb	43.0	5.9	128.5	19-Aug	to	23-Aug	69.0	5.9	99.1
25-Feb	to	01-Mar	43.0	5.6	129.2	24-Aug	to	28-Aug	69.2	6.8	111.9
02-Mar	to	06-Mar	43.0	5.7	128.3	29-Aug	to	02-Sep	69.4	5.8	105.6
07-Mar	to	11-Mar	44.8	5.4	119.0	03-Sep	to	07-Sep	68.4	6.0	85.6
12-Mar	to	16-Mar	45.8	5.3	122.5	08-Sep	to	12-Sep	66.8	6.6	84.2
17-Mar	to	21-Mar	46.4	5.8	126.5	13-Sep	to	17-Sep	68.0	6.4	85.4
22-Mar	to	26-Mar	47.8	5.0	122.4	18-Sep	to	22-Sep	67.4	6.4	84.6
27-Mar	to	31-Mar	48.6	4.6	134.1	23-Sep	to	27-Sep	66.8	5.7	95.8
01-Apr	to	05-Apr	49.2	3.9	123.7	28-Sep	to	02-Oct	66.0	7.0	87.1
06-Apr	to	10-Apr	49.4	4.5	123.3	03-Oct	to	07-Oct	65.2	7.0	81.2
11-Apr	to	15-Apr	49.8	5.3	117.7	08-Oct	to	12-Oct	63.6	7.0	83.3
16-Apr	to	20-Apr	50.2	5.6	123.2	13-Oct	to	17-Oct	61.4	6.4	94.8
21-Apr	to	25-Apr	51.0	5.3	109.6	18-Oct	to	22-Oct	60.4	6.8	88.7
26-Apr	to	30-Apr	54.0	5.2	130.5	23-Oct	to	27-Oct	58.6	6.6	92.2
01-May	to	05-May	54.8	4.6	150.5	28-Oct	to	01-Nov	56.6	7.2	95.9
06-May	to	10-May	56.4	3.8	130.9	02-Nov	to	06-Nov	56.0	7.0	95.4
11-May	to	15-May	57.4	4.4	119.8	07-Nov	to	11-Nov	55.0	7.0	112.0
16-May	to	20-May	57.0	4.8	155.7	12-Nov	to	16-Nov	53.9	6.0	108.9
21-May	to	25-May	59.4	5.4	156.4	17-Nov	to	21-Nov	52.8	5.0	113.0
26-May	to	30-May	61.2	5.7	145.3	22-Nov	to	26-Nov	51.4	6.7	119.5
31-May	to	04-Jun	61.6	5.5	147.8	27-Nov	to	01-Dec	50.4	6.6	136.3
05-Jun	to	09-Jun	61.2	5.4	155.6	02-Dec	to	06-Dec	50.0	6.6	116.6
10-Jun	to	14-Jun	62.0	5.8	144.6	07-Dec	to	11-Dec	49.0	7.0	113.8
15-Jun	to	19-Jun	61.6	5.8	126.2	12-Dec	to	16-Dec	47.6	5.0	124.2
20-Jun	to	24-Jun	63.4	6.0	133.0	17-Dec	to	21-Dec	47.0	5.3	148.7
25-Jun	to	29-Jun	63.2	6.6	125.6	22-Dec	to	26-Dec	46.4	6.4	124.5
						27-Dec	to	31-Dec	44.2	6.1	117.9

Table 11b. Five Day Average Columbia River Temperature, Turbidity, and Flow at Bonneville Dam, 2002.

Five Day Period			Temp. (°F)	Turb. (ft)	Flow (kcfs)	Five Day Period			Temp. (°F)	Turb. (ft)	Flow (kcfs)
01-Jan	to	5-Jan	44.4	7.0	117.1	30-Jun	to	04-Jul	61.6	3.1	310.2
06-Jan	to	10-Jan	45.2	5.8	145.9	05-Jul	to	09-Jul	62.4	3.9	254.5
11-Jan	to	15-Jan	46.0	4.1	133.3	10-Jul	to	14-Jul	63.4	5.8	242.9
16-Jan	to	20-Jan	46.0	6.4	156.7	15-Jul	to	19-Jul	64.6	4.4	237.1
21-Jan	to	25-Jan	46.0	5.0	149.0	20-Jul	to	24-Jul	66.8	5.8	215.1
26-Jan	to	30-Jan	45.6	6.4	153.3	25-Jul	to	29-Jul	67.4	5.8	174.2
31-Jan	to	04-Feb	44.4	6.7	154.9	30-Jul	to	03-Aug	67.0	5.1	175.9
05-Feb	to	09-Feb	44.0	7.0	164.7	04-Aug	to	08-Aug	66.4	6.2	164.5
10-Feb	to	14-Feb	44.0	6.6	151.1	09-Aug	to	13-Aug	66.6	6.9	165.8
15-Feb	to	19-Feb	44.0	6.4	133.7	14-Aug	to	18-Aug	67.0	6.8	158.2
20-Feb	to	24-Feb	44.8	6.4	137.0	19-Aug	to	23-Aug	66.8	6.4	155.4
25-Feb	to	01-Mar	45.2	6.8	155.8	24-Aug	to	28-Aug	66.4	6.5	147.4
02-Mar	to	06-Mar	45.0	6.7	123.9	29-Aug	to	02-Sep	67.0	6.0	132.8
07-Mar	to	11-Mar	45.8	7.0	119.1	03-Sep	to	07-Sep	66.6	6.6	108.4
12-Mar	to	16-Mar	45.0	5.6	161.6	08-Sep	to	12-Sep	65.4	7.0	95.4
17-Mar	to	21-Mar	46.0	5.2	131.4	13-Sep	to	17-Sep	66.0	6.8	91.7
22-Mar	to	26-Mar	45.4	5.6	121.6	18-Sep	to	22-Sep	65.0	6.5	111.5
27-Mar	to	31-Mar	47.0	6.0	132.0	23-Sep	to	27-Sep	64.0	7.0	122.9
01-Apr	to	05-Apr	48.4	4.7	150.3	28-Sep	to	02-Oct	63.4	6.4	90.8
06-Apr	to	10-Apr	49.0	4.3	151.3	03-Oct	to	07-Oct	61.2	7.0	99.2
11-Apr	to	15-Apr	49.0	3.3	234.4	08-Oct	to	12-Oct	60.2	7.0	114.9
16-Apr	to	20-Apr	49.8	2.5	322.3	13-Oct	to	17-Oct	57.4	7.0	100.5
21-Apr	to	25-Apr	50.0	2.8	272.6	18-Oct	to	22-Oct	57.0	6.9	89.6
26-Apr	to	30-Apr	48.0	3.5	226.6	23-Oct	to	27-Oct	56.4	7.0	111.7
01-May	to	05-May	48.8	3.6	237.7	28-Oct	to	01-Nov	54.4	5.5	127.7
06-May	to	10-May	49.8	4.9	225.3	02-Nov	to	06-Nov	50.2	7.0	123.9
11-May	to	15-May	53.2	4.6	212.8	07-Nov	to	11-Nov	50.0	6.7	121.0
16-May	to	20-May	54.2	5.0	223.7	12-Nov	to	16-Nov	49.0	6.7	123.3
21-May	to	25-May	55.2	4.3	273.8	17-Nov	to	21-Nov	48.0	6.7	123.3
26-May	to	30-May	57.0	5.0	278.4	22-Nov	to	26-Nov	48.0	7.0	130.7
31-May	to	04-Jun	56.0	3.7	323.0	27-Nov	to	01-Dec	46.4	6.2	132.3
05-Jun	to	09-Jun	56.2	3.2	352.0	02-Dec	to	06-Dec	46.0	5.5	124.9
10-Jun	to	14-Jun	57.0	3.9	305.1	07-Dec	to	11-Dec	45.0	7.0	124.2
15-Jun	to	19-Jun	57.6	3.6	305.6	12-Dec	to	16-Dec	45.0	7.0	117.6
20-Jun	to	24-Jun	58.4	4.1	332.2	17-Dec	to	21-Dec	44.0	6.7	124.5
25-Jun	to	29-Jun	60.2	3.9	314.2	22-Dec	to	26-Dec	43.0	7.0	117.3
						27-Dec	to	31-Dec	43.0	6.8	109.4

Table 12. Number of Columbia River Gill Net Licenses Issued, 1938-2002. 1/

Year	Oregon	Washington	Combined
1938	713	478	1,191
1939	680	473	1,153
1940	667	441	1,108
1941	629	389	1,018
1942	568	371	939
1943	542	389	931
1944	508	370	878
1945	524	392	916
1946	566	426	992
1947	582	416	998
1948	632	470	1,102
1949	629	490	1,119
1950	613	447	1,060
1951	585	421	1,006
1952	563	403	966
1953	533	386	919
1954	516	374	890
1955	474	338	812
1956	432	360	792
1957	526	292	818
1958	621	252	873
1959	640	229	869
1960	622	184	806
1961	627	164	791
1962	611	143	754
1963	582	158	740
1964	444	245	689
1965	446	237	683
1966	421	215	636
1967	570	208	778
1968	544	224	768
1969	416	181	597
1970	447	235	682
1971	647	369	1,016
1972	547	508	1,055
1973	541	563	1,104
1974 2/	500	861	1,361

Table 12. Continued.

Year	Oregon	Washington	Combined
1975 2/	500	706	1,206
1976 2/	500	692	1,192
1977 2/	500	748	1,248
1978 3/	730	718	1,448
1979 3/	815	709	1,524
1980	571	682	1,253
1981	534	665	1,199
1982	511	622	1,133
1983	475	609	1,084
1984	436	561	997
1985	373	519	892
1986	370	512	882
1987	370	509	879
1988	356	514	870
1989	356	519	875
1990	355	520	875
1991	354	517	871
1992	350	517	867
1993	344	512	856
1994	336	505	841
1995 4/	330	417	747
1996 5/	327	366	693
1997	325	350	675
1998 6/	322	298	620
1999	325	266	591
2000	323	265	588
2001	323	145	468
2002	320	162	482

1/ Limited entry system in effect since 1980 in Oregon and since 1976 in Washington. Vessels required to have an Oregon Columbia River gill-net salmon vessel permit or a Washington Columbia River gill-net license to land fish from the Columbia River.

2/ From 1974-77 the Oregon and combined values are estimates of the number of licensed gill-net vessels because Oregon issued a general commercial fishing license applicable to all types of gear.

3/ Oregon licenses were issued to individuals, not vessels.

4/ A total of 83 Washington Columbia River gill-net licenses were bought back by the state with NEAP salmon disaster relief funds.

5/ A total of 52 Washington Columbia River gill-net licenses were bought back by the state with NEAP salmon disaster relief funds.

6/ A total of 52 Washington Columbia River gill-net licenses were bought back by the state with NEAP salmon disaster relief funds.

Table 13. Days Open to Commercial Main-Stem Salmon Fishing Below Bonneville Dam, 1938-2002. 1/

Year	January- March 2/	April- May	June- July	August	September- December 3/	Total
1938	59 1/2	26 1/2	52	21 1/2	112 1/2	272
1939	59 1/2	26 1/2	52	21 1/2	112 1/2	272
1940	60 1/2	26 1/2	52	21 1/2	112 1/2	273
1941	59 1/2	28 1/4	52 1/4	21 1/2	112 1/2	274
1942	59 1/2	25 1/2	53	21 1/2	112 1/2	272
1943	31	16 1/4	34 3/4	21 3/4	96	199 3/4
1944	41 1/4	18	42 3/4	22 1/2	96	220 1/2
1945	40 1/4	18	42 3/4	22 1/2	96	219 1/2
1946	31	16 1/4	42 3/4	21 1/2	96	207 1/2
1947	31	16 1/4	42 3/4	21 1/2	96	207 1/2
1948	32	25 1/4	33 1/4	21 3/4	96	208 1/4
1949	31	26 1/2	32 1/2	22 1/2	68 1/4	180 3/4
1950	31	21	31 1/2	22 1/2	68 1/4	174 1/4
1951	31	21	31 1/2	22 1/2	68 1/4	174 1/4
1952	32	21	22 3/4	21 1/2	60	157 1/4
1953	31	21 3/4	19	21 1/4	60	153
1954	31	22 1/2	18 1/2	21 3/4	60	153 3/4
1955	31	23	22 3/4	22 1/2	60	159 1/4
1956	32	23	23 1/2	18 3/4	44	141 1/4
1957	31	21 3/4	22 1/4	18 1/4	31	124 1/4
1958	31	11 3/4	26 1/2	17 1/4	30	116 1/2
1959	14	22	24 1/2	17 1/4	20	97 3/4
1960	15	23 1/4	25 1/4	18 1/2	19	101
1961	14	26 1/4	26 1/2	18 1/2	16	101 1/4
1962	14	26 1/4	25 3/4	18 1/2	17	101 1/2
1963	14	22	26 1/2	17 1/2	18	98
1964	15	21 1/4	7 1/2	17 1/4	22	83
1965	14	16 1/4	2	17 3/4	26 3/4	76 3/4
1966	14	21 3/4	1	20 3/4	22 3/4	80 1/4
1967	14	10 1/4	7 3/4	15 3/4	22	69 3/4
1968	19	7 3/4	6	12	30	74 3/4
1969	16	10	6 1/2	18 1/2	27 1/4	78 1/4

Table 13. Continued.

Year	January- March 2/	April- May	June- July	August	September	October- November 3/	Total
1970	14	16	4	13	15	20	82
1971	14	10	6	13	14	20	77
1972	15	19	6	12	7	20	79
1973	14	17	0	10	12	20	73
1974	9	1	0	10	9	20	49
1975	10	0	0	10	14	24	58
1976	5	0	0	7	16	31	59
1977	5	5	0	7	11	12	40
1978	8	0	0	4	10	27	49
1979	11	0	0	2	11	19	43
1980	1	0	0	0	3	10	14
1981	6	0	0	0	3	22	31
1982	8	0	0	1	0	27	36
1983	12	0	0	0	1	4	17
1984	12	0	7	0	6	29	54
1985	13	0	4	0	9	30	56
1986	8	0	1	0	10	33	52
1987	8	0	7	3	12	23	53
1988	15	0	3	1	15	26	60
1989	17	0	0	13	9	27	66
1990	20	0	0	10	8	18	56
1991	13	0	0	4	7	25	49
1992	10	0	0	0	7	16	33
1993	6	0	0	0	8	9	23
1994	14	0	0	0	0	4	18
1995	0	0	0	0	0	2	2
1996	3	0	0	3	5	12	23
1997	7	0	0	2	5	19	33
1998	10	0	0	2	0	7	19
1999	13	0	0	2	7	16	38
2000	18	0	3	3	7	15	46
2001	16	0 4/	2	7 5/	14 5/	21	60
2002	26	0	0	10	6	15	57

1/ Days open 1970-present represent actual number of landing days.

2/ No season has occurred in January since 1959, however target sturgeon seasons where salmon was an allowable species occurred in 1984, 1985 and 1997-2002 and are included.

3/ No season has occurred in December since 1949.

4/ Does not include four days of a spring experimental fishery.

5/ Does not include 10 days in September and 27 days in October of a late fall experimental fishery.

Table 14. Columbia River Commercial Landings (in Thousands) of Salmon and Steelhead Below Bonneville Dam, 1938-2002.

Year	Chinook		Coho		Sockeye		Chum		Total Salmon		Steelhead 1/	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1938	10,743.2	551.4	2,309.9	256.7	325.5	93.0	1,909.4	156.5	15,288.0	1,057.6	1,415.3	172.6
1939	12,004.8	611.4	1,528.3	169.8	180.0	51.4	1,154.2	94.6	14,867.3	927.2	1,204.8	146.9
1940	11,159.9	561.6	1,372.4	152.5	165.1	47.2	1,252.7	102.7	13,950.1	864.0	2,342.7	286.1
1941	18,891.2	949.8	1,022.4	113.6	377.7	107.9	4,149.8	340.1	24,441.1	1,511.4	2,177.3	265.5
1942	15,086.6	759.8	642.7	71.4	136.4	39.0	5,190.1	425.4	21,055.8	1,295.6	1,462.7	178.4
1943	9,376.3	478.6	705.6	78.4	117.7	33.6	959.9	78.7	11,159.5	669.3	1,231.2	150.1
1944	12,214.6	614.5	1,529.7	170.0	33.4	9.5	275.4	22.6	14,053.1	816.6	1,344.0	163.9
1945	11,593.4	585.6	1,834.3	203.8	4.8	1.4	588.8	48.3	14,021.3	839.1	1,616.0	197.1
1946	11,605.8	588.6	1,058.4	117.6	93.3	26.7	886.6	72.7	13,644.1	805.6	1,312.6	160.1
1947	13,888.7	702.2	1,484.8	165.0	574.7	164.2	496.2	40.7	16,444.4	1,072.1	1,299.0	158.4
1948	13,744.1	699.8	1,173.3	130.4	40.8	11.7	1,044.8	85.6	16,003.0	927.5	1,190.6	145.2
1949	9,157.3	471.0	897.7	99.7	4.4	1.2	541.6	44.4	10,601.0	616.3	485.6	59.2
1950	8,247.3	421.8	1,041.4	115.7	121.2	34.6	699.8	57.4	10,109.7	629.5	721.3	88.0
1951	8,366.3	379.6	964.9	107.2	133.0	34.3	519.7	42.6	9,983.9	563.7	938.4	115.8
1952	5,175.4	268.9	1,066.6	118.5	513.0	134.3	308.5	25.3	7,063.5	547.0	1,047.6	141.8
1953	5,644.5	265.4	434.5	48.3	97.1	24.8	249.2	20.4	6,425.3	358.9	1,378.5	169.6
1954	4,318.4	218.7	295.5	32.8	195.6	49.9	320.0	26.2	5,129.5	327.6	1,257.1	132.0
1955	6,469.7	353.9	525.2	58.4	30.5	7.3	125.6	10.3	7,151.0	429.9	963.8	118.5
1956	7,456.3	427.3	447.4	49.7	180.7	45.6	45.7	3.7	8,130.1	526.3	632.5	81.5
1957	5,863.0	335.4	390.5	46.2	239.7	64.9	32.1	2.7	6,525.3	449.2	739.9	96.7
1958	6,283.7	360.0	165.9	18.5	704.4	190.9	89.3	7.4	7,243.3	576.8	671.6	87.3
1959	4,562.2	265.6	119.5	15.1	633.2	184.1	42.9	3.5	5,357.8	468.3	623.8	103.0
1960	3,893.4	263.1	158.0	17.5	392.2	119.4	15.3	1.3	4,458.9	401.3	649.8	90.8
1961	4,043.8	246.1	379.1	37.2	157.6	40.6	16.9	1.3	4,597.4	325.2	602.2	98.4
1962	5,322.3	300.9	582.5	62.8	39.3	10.5	48.1	3.9	5,992.2	378.1	715.2	95.1
1963	3,802.0	214.3	500.6	65.1	20.0	5.1	15.3	1.2	4,337.9	285.7	908.1	108.0
1964	3,838.3	226.6	1,943.6	203.7	16.6	5.0	23.8	1.9	5,822.3	437.2	372.1	49.1
1965	5,269.4	279.9	1,880.3	231.5	0.3	0.1	6.1	0.5	7,156.1	512.0	405.6	51.1
1966	3,409.1	188.6	4,317.6	415.5	0.6	0.2	11.0	0.9	7,738.3	605.2	378.3	44.2
1967	3,953.6	199.3	3,715.7	368.8	76.9	21.2	9.7	0.9	7,755.9	590.2	309.7	34.3
1968	3,330.8	172.8	912.7	125.1	72.4	20.3	3.3	0.3	4,319.2	318.5	340.5	35.5
1969	4,411.8	227.2	1,624.9	190.1	62.0	16.2	4.0	0.3	6,102.7	433.8	348.6	34.1
1970	5,504.8	299.4	5,608.0	520.8	42.7	13.0	8.0	0.6	11,163.5	833.8	194.9	19.9
1971	4,765.9	256.4	2,191.5	264.3	208.1	54.9	5.9	0.5	7,171.4	576.1	238.9	25.5
1972	4,342.8	228.6	1,177.5	131.3	186.9	51.8	16.0	1.3	5,723.2	413.0	343.5	33.5
1973	6,835.2	349.5	1,823.2	183.7	9.8	2.3	18.0	1.4	8,686.2	536.9	337.4	25.0
1974	2,386.3	118.4	2,391.0	261.0	0.0	0.0	10.7	0.9	4,788.0	380.3	68.8	6.2
1975	3,918.2	182.4	1,530.7	156.6	0.0	0.0	5.7	0.5	5,454.6	339.5	--	--
1976	3,023.9	153.0	1,298.4	168.4	0.3	0.1	16.9	1.2	4,339.5	322.7	--	--
1977	3,511.5	183.2	309.0	39.0	0.0	0.0	2.3	0.2	3,822.8	222.4	--	--
1978	2,433.8	123.5	1,074.1	132.7	<0.1	<0.1	20.4	1.5	3,528.3	257.7	--	--
1979	2,033.2	108.1	1,065.8	127.6	<0.1	<0.1	1.6	0.1	3,100.6	235.8	--	--

Table 14. Continued.

Year	Chinook		Coho		Sockeye		Chum		Total Salmon		Steelhead 1/	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1980	2,342.9	116.4	1,120.6	150.1	0.0	0.0	3.1	0.2	3,466.6	266.7	--	--
1981	764.5	38.7	461.9	59.8	0.0	0.0	18.5	1.4	1,244.9	99.9	--	--
1982	1,935.3	97.6	1,574.3	201.7	0.0	0.0	22.3	1.8	3,531.9	301.1	--	--
1983	624.6	33.2	44.4	7.1	0.0	0.0	2.0	0.2	671.0	40.5	--	--
1984	1,211.9	74.4	1,612.6	201.5	31.8	9.1	22.1	1.8	2,878.4	286.8	--	--
1985	1,298.4	74.5	1,632.4	190.0	111.6	31.9	7.5	0.7	3,049.9	297.1	--	--
1986	2,744.2	175.9	6,724.0	981.0	6.7	1.8	20.2	1.8	9,495.1	1,160.5	--	--
1987	6,219.0	343.0	1,299.7	167.8	107.5	28.3	14.1	1.3	7,640.3	540.4	--	--
1988	7,248.2	342.1	2,645.5	363.0	61.4	17.5	30.2	2.5	9,985.3	725.1	--	--
1989	3,257.9	146.9	2,668.3	389.2	0.0	0.0	17.3	1.3	5,943.5	537.4	--	--
1990	1,300.2	64.2	494.3	75.2	0.0	0.0	9.4	0.8	1,803.9	140.2	--	--
1991	994.7	55.7	2,685.5	409.2	0.0	0.0	4.2	0.4	3,684.4	465.3	--	--
1992	426.6	24.0	299.0	57.8	0.0	0.0	6.9	0.7	732.5	82.5	--	--
1993	337.0	19.7	262.0	36.1	0.0	0.0	0.5	<0.1	599.5	55.8	--	--
1994	64.1	3.8	496.3	63.8	0.0	0.0	0.5	<0.1	560.9	67.7	--	--
1995	11.4	1.1	189.4	22.5	0.0	0.0	0.1	<0.1	200.9	23.6	--	--
1996	282.8	17.9	229.6	28.1	0.0	0.0	0.3	<0.1	512.7	46.0	--	--
1997	189.0	11.1	160.2	20.5	0.0	0.0	0.5	<0.1	349.7	31.6	--	--
1998	113.6	6.6	194.2	23.8	0.0	0.0	0.1	<0.1	307.9	30.4	--	--
1999	145.3	10.0	684.0	80.5	0.0	0.0	1.2	0.1	830.5	90.6	--	--
2000	334.7	20.2	1,548.5	173.9	1.2	0.3	0.4	<0.1	1,884.8	194.4	--	--
2001	649.8	40.6	2,257.4	253.5	5.8	1.6	1.3	0.1	2,914.3	295.8	--	--
2002	1,205.0	69.6	1,687.6	164.2	0.0	0.0	0.2	<0.1	2,892.7	233.8	--	--

1/ Sale of steelhead by non-Indians prohibited since 1975.

Table 15. Oregon and Washington Terminal and Select Area Fisheries' Seasons and Landings, 1979-2002.

Year	Fishery	Season	Days	Chinook		Coho		Chum		White Sturgeon		Green Sturgeon	
				Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1979	Youngs Bay	Aug 22-Oct 31	70	28,358	1,585	190,321	22,542	65	5	463	20	0	0
1980	Youngs Bay	Aug 24-Oct 31	68	112,883	5,900	103,422	12,526	468	39	1,952	70	412	16
	Grays Bay	Aug 25-Sep 12	7	335,806	16,502	14,477	1,957	15	1	28,506	1,018	22,518	877
	Skamokawa	Aug 25-Sep 12	11	10,223	555	5,308	681	0	0	77	3	0	0
	Elokomin	Aug 25-Sep 12	11	86,979	4,611	38,637	4,953	0	0	564	20	72	3
	Cowlitz	Aug 25-Sep 12	11	190,439	10,224	48,210	6,603	0	0	370	13	84	3
	Camas	Aug 25-Sep 12	11	66,196	3,293	15,839	2,140	0	0	0	0	0	0
				<u>802,526</u>	<u>41,085</u>	<u>225,893</u>	<u>28,860</u>	<u>483</u>	<u>40</u>	<u>31,469</u>	<u>1,124</u>	<u>23,086</u>	<u>899</u>
1981	Youngs Bay	Aug 17-Nov 12	87	113,275	4,688	67,197	8,110	2,402	181	1,245	46	0	0
	Grays Bay	Aug 24-Sep 11	10	71,532	3,640	2,419	367	0	0	8,122	297	2,020	78
	Skamokawa	Aug 24-Sep 11	10	56,063	3,019	3,358	442	0	0	96	3	0	0
	Elokomin	Aug 24-Sep 11	10	14,292	757	1,980	261	0	0	0	0	0	0
	Cowlitz	Aug 24-Sep 11	10	215,210	10,821	18,517	2,764	11	1	504	18	73	3
	Camas	Aug 31-Sep 11	8	63,577	2,812	2,745	416	0	0	0	0	0	0
				<u>533,949</u>	<u>25,737</u>	<u>96,216</u>	<u>12,360</u>	<u>2,413</u>	<u>182</u>	<u>9,967</u>	<u>364</u>	<u>2,093</u>	<u>81</u>
1982	Youngs Bay	Aug 16-Nov 5	81	101,772	5,129	109,742	12,258	3,237	264	805	28	145	5
	Camas	Sep 7-Sep 10	3	30,378	1,604	13,988	2,077	0	0	26	1	0	0
				<u>132,150</u>	<u>6,733</u>	<u>123,730</u>	<u>14,335</u>	<u>3,237</u>	<u>264</u>	<u>831</u>	<u>29</u>	<u>145</u>	<u>5</u>
1983	Youngs Bay	Aug 22-Oct 18	57	66,002	3,553	23,484	3,550	60	5	470	17	18	1
	Big Creek	Aug 29-Sep 9	4	27,831	1,243	31	6	0	0	319	11	0	0
				<u>93,833</u>	<u>4,796</u>	<u>23,515</u>	<u>3,556</u>	<u>60</u>	<u>5</u>	<u>789</u>	<u>28</u>	<u>18</u>	<u>1</u>
1984	Youngs Bay	Aug 20-Nov 2	74	74,179	3,696	374,768	40,620	2,212	177	563	21	87	3
1985	Youngs Bay	Aug 19-Nov 1	74	64,393	3,466	473,873	51,202	209	19	428	16	115	5
1986	Youngs Bay	Aug 10-Nov 7	89	94,548	5,447	410,568	55,575	56	5	422	16	79	3

Table 15. Continued.

Year	Fishery	Season	Days	Chinook		Coho		Chum		White Sturgeon		Green Sturgeon	
				Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1987	Youngs Bay	Aug 9-Nov 6	89	374,241	22,186	109,725	16,113	37	4	232	8	0	0
	Big Creek	Aug 25-Sep 11	9	272,871	14,734	5,591	746	0	0	80	3	0	0
				<u>647,112</u>	<u>36,920</u>	<u>115,316</u>	<u>16,859</u>	<u>37</u>	<u>4</u>	<u>312</u>	<u>11</u>	<u>0</u>	<u>0</u>
1988	Youngs Bay	Aug 21-Oct 31	71	408,185	19,711	383,231	51,221	577	57	377	12	26	1
	Big Creek	Aug 30-Sep 8	4	213,904	9,216	1,287	172	0	0	42	1	0	0
				<u>622,089</u>	<u>28,927</u>	<u>384,518</u>	<u>51,393</u>	<u>577</u>	<u>57</u>	<u>419</u>	<u>13</u>	<u>26</u>	<u>1</u>
1989	Youngs Bay	Aug 20-Oct 31	72	133,283	6,665	178,385	28,066	30	2	623	20	345	12
1990	Youngs Bay	Aug 19-Oct 31	73	62,917	3,226	147,027	27,596	262	21	212	8	127	4
1991	Youngs Bay	Aug 18-Oct 31	74	39,100	2,241	528,197	82,123	130	13	751	31	453	23
1992	Youngs Bay	Apr 27-May 26	9	3,348	296	0	0	0	0	381	10	0	0
	Youngs Bay	Aug 16-Oct 31	76	20,071	1,257	93,264	19,552	382	46	546	21	117	6
				<u>23,419</u>	<u>1,553</u>	<u>93,264</u>	<u>19,552</u>	<u>382</u>	<u>46</u>	<u>927</u>	<u>31</u>	<u>117</u>	<u>6</u>
1993	Youngs Bay	Apr 26-May 26	9	12,780	851	0	0	0	0	974	32	0	0
	Youngs Bay	Aug 22-Oct 31	70	5,121	365	109,719	15,458	39	4	385	17	30	1
				<u>17,901</u>	<u>1,216</u>	<u>109,719</u>	<u>15,458</u>	<u>39</u>	<u>4</u>	<u>1,359</u>	<u>49</u>	<u>30</u>	<u>1</u>
1994	Youngs Bay	Apr 25-May 25	9	2,218	155	0	0	0	0	758	31	0	0
	Youngs Bay	Aug 22-Oct 31	44	1,515	119	449,560	57,751	128	14	100	4	0	0
				<u>3,733</u>	<u>274</u>	<u>449,560</u>	<u>57,751</u>	<u>128</u>	<u>14</u>	<u>858</u>	<u>35</u>	<u>0</u>	<u>0</u>
1995	Youngs Bay	May 1-June 7	11	2,891	201	0	0	0	0	2,799	114	0	0
	Youngs Bay	Aug 27-Oct 31	65	7,656	826	187,619	22,309	63	7	1,671	65	0	0
				<u>10,547</u>	<u>1,027</u>	<u>187,619</u>	<u>22,309</u>	<u>63</u>	<u>7</u>	<u>4,470</u>	<u>179</u>	<u>0</u>	<u>0</u>

Table 15. Continued.

Year	Fishery	Season	Days	Chinook		Coho		Chum		White Sturgeon		Green Sturgeon	
				Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1996	Youngs Bay	Apr 29-Jun 14	15	9,421	789	0	0	0	0	14,203	581	22	1
	Youngs Bay	Aug 12-Oct 31	62	13,438	1,439	128,244	15,783	38	3	2,317	85	0	0
	Big Creek	Aug 26-Sep 11	6	58,238	3,389	1,008	143	0	0	738	25	0	0
	Tongue Pt.1/	Sep 17-Oct 31	14	752	50	16,376	1,955	0	0	--	--	--	--
	Blind Slough1/	Sep 16-Oct 29	13	1,209	82	18,266	2,301	22	2	--	--	--	--
	Deep River1/	Sep 16-Oct 29	13	511	35	18,838	2,240	0	0	--	--	--	--
				<u>83,569</u>	<u>5,784</u>	<u>182,732</u>	<u>22,422</u>	<u>60</u>	<u>5</u>	<u>17,258</u>	<u>691</u>	<u>22</u>	<u>1</u>
1997	Youngs Bay	Apr 28-Jun 13	22	24,338	1,821	0	0	0	0	8,827	351	38	1
	Youngs Bay	Aug 11-Oct 31	66	22,571	1,726	111,159	13,647	34	2	2,152	76	0	0
	Big Creek	Sep 2-Sep 11	4	39,019	2,000	393	55	0	0	621	20	0	0
	Tongue Pt.1/	Sep 3-Oct 24	16	2,615	180	6,481	861	4	1	--	--	--	--
	Blind Slough1/	Sep 8-Oct 22	18	502	32	12,259	1,605	0	0	--	--	--	--
	Deep River1/	Sep 8-Oct 22	18	858	61	4,281	515	3	1	--	--	--	--
				<u>89,903</u>	<u>5,820</u>	<u>134,573</u>	<u>16,683</u>	<u>41</u>	<u>4</u>	<u>11,600</u>	<u>447</u>	<u>38</u>	<u>1</u>
1998	Youngs Bay	Feb 25-Jun 12	26	34,031	2,128	0	0	0	0	6,692	256	0	0
	Youngs Bay	Aug 10-Oct 31	64	15,975	1,422	158,493	19,523	15	2	2,768	102	0	0
	Tongue Pt.	Apr 29-May 27	9	484	31	0	0	0	0	2,206	80	35	1
	Tongue Pt.	Sep 10-Oct 29	14	6,341	431	27,715	3,374	9	1	1,761	68	0	0
	Blind Slough	Apr 29-Jun 12	13	702	60	0	0	0	0	488	19	0	0
	Blind Slough	Sep 8-Oct 30	19	1,267	95	4,737	615	0	0	19	1	0	0
				<u>58,800</u>	<u>4,167</u>	<u>190,945</u>	<u>23,512</u>	<u>24</u>	<u>3</u>	<u>13,934</u>	<u>526</u>	<u>35</u>	<u>1</u>
1999	Youngs Bay	Feb 24-Jul 28	36	19,183	1,298	0	0	0	0	4,863	170	41	1
	Youngs Bay	Aug 3-Oct 31	58	23,056	1,589	136,591	15,911	24	2	2,877	99	58	2
	Tongue Pt.	Apr 28-Jun 9	13	2,836	199	0	0	0	0	6,717	260	44	1
	Tongue Pt.	Sep 7-Oct 28	19	5,002	339	31,737	3,659	0	0	3,008	106	40	1
	Blind Slough	Apr 28-Jul 28	16	5,962	458	0	0	0	0	2,448	94	0	0
	Blind Slough	Sep 9-Oct 28	19	2,484	167	16,345	1,958	0	0	136	4	0	0
	Deep River	Sep 9-Oct 28	19	739	48	13,507	1,430	22	2	0	0	64	2
				<u>59,262</u>	<u>4,098</u>	<u>198,180</u>	<u>22,958</u>	<u>46</u>	<u>4</u>	<u>20,049</u>	<u>733</u>	<u>247</u>	<u>7</u>

Table 15. Continued.

Year	Fishery	Season	Days	Chinook		Coho		Chum		White Sturgeon		Green Sturgeon	
				Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
2000	Youngs Bay	Feb 23-Jul 26	37	55,278	4,721	0	0	0	0	7,629	266	0	0
	Youngs Bay	Aug 1-Oct 31	61	23,203	1,744	281,352	33,214	8	1	2,420	88	0	0
	Tongue Pt.	Feb 29-Jun 15	18	12,310	947	0	0	0	0	5,852	225	0	0
	Tongue Pt.	Sep 5-Oct 31	32	3,764	252	97,104	10,731	0	0	1,705	59	304	10
	Blind Slough	Feb 27-Jun 14	17	11,110	818	0	0	0	0	1,159	44	0	0
	Blind Slough	Sep 7-Oct 31	31	2,343	132	30,463	3,398	0	0	343	9	0	0
	Deep River	Sep 5-Oct 31	32	1,595	109	137,646	13,801	19	1	0	0	21	1
	Steamboat Sl.	Sep 7-Oct 28	30	1,215	78	3,678	363	0	0	23	1	0	0
				<u>110,818</u>	<u>8,801</u>	<u>550,243</u>	<u>61,507</u>	<u>27</u>	<u>2</u>	<u>19,131</u>	<u>692</u>	<u>325</u>	<u>11</u>
2001	Youngs Bay	Feb 21-Jul 31	45	85,305	5,593	0	0	0	0	9,384	317	98	3
	Youngs Bay	Aug 6-Oct 31	62	29,266	2,040	223,817	25,469	8	1	600	21	0	0
	Tongue Pt.	Feb 20-Jun 13	18	24,410	1,631	0	0	0	0	3,846	145	23	1
	Tongue Pt.	Sep 4-Oct 31	33	1,253	116	17,375	2,021	0	0	--	--	--	--
	Blind Slough	Feb 19-Jun 14	21	30,791	2,045	0	0	0	0	644	27	0	0
	Blind Slough	Sep 4-Oct 31	33	13,824	793	31,952	3,764	0	0	--	--	--	--
	Deep River	Sep 4-Oct 31	40	2,322	149	22,115	2,491	0	0	--	--	--	--
	Steamboat Sl.	Sep 4-Oct 31	33	0	0	235	26	0	0	--	--	--	--
				<u>187,171</u>	<u>12,367</u>	<u>295,494</u>	<u>33,771</u>	<u>8</u>	<u>1</u>	<u>14,474</u>	<u>510</u>	<u>121</u>	<u>4</u>
2002	Youngs Bay	Feb 20-Aug 1	45	94,964	6,643	0	0	0	0	6,413	241	162	4
	Youngs Bay	Aug 7-Oct 31	62	58,532	3,774	546,689	51,859	0	0	2,869	96	0	0
	Tongue Pt.	Apr 18-Jun 12	15	41,395	3,003	0	0	0	0	9,330	354	110	3
	Tongue Pt.	Sep 3-Oct 31	34	27,753	1,708	154,203	15,560	0	0	5,732	202	0	0
	Blind Slough	Feb 18-Jun 12	18	26,296	2,053	0	0	0	0	1,363	49	0	0
	Blind Slough	Aug 26-Oct 31	37	59,846	2,760	14,570	1,449	0	0	932	33	0	0
	Deep River	Sep 3-Oct 31	34	2,255	145	2,953	303	8	1	92	3	0	0
	Steamboat Sl.	Sep 3-Oct 31	34	3,695	183	1,025	105	0	0	0	0	0	0
				<u>314,736</u>	<u>20,269</u>	<u>719,440</u>	<u>69,276</u>	<u>8</u>	<u>1</u>	<u>26,731</u>	<u>978</u>	<u>272</u>	<u>7</u>

1/ Sturgeon sales not allowed.

Table 16. Columbia River Commercial Landings (Thousands of Pounds) and Ex-Vessel Value (Thousands of Dollars) by Species, 1981-2002. 1/

Year	Zones 1-5 2/														S
	Chinook		Coho		Sockeye		Chum		White Sturgeon		Green Sturgeon		Smelt 3/		
	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	
1981	764.5	1,307.3	461.9	512.7	0.0	0.0	18.5	11.3	419.9	449.3	5.1	2.1	1,672.3	167.2	66.7
1982	1,935.1	1,935.1	1,574.3	1,353.9	0.0	0.0	22.3	11.6	353.0	381.2	24.4	8.1	2,210.0	287.3	291.4
1983	624.6	843.2	44.4	47.1	0.0	0.0	2.0	1.1	398.6	462.4	18.6	7.6	2,730.4	682.7	270.2
1984	1,211.9	1,745.1	1,612.5	1,854.4	31.9	37.0	22.1	11.7	524.4	723.7	84.5	35.5	498.0	109.6	57.1
1985	1,298.4	1,687.9	1,632.4	1,371.2	111.7	128.5	7.5	2.5	270.4	416.4	41.0	18.0	2,038.0	264.9	111.1
1986	2,744.2	2,524.7	6,724.0	6,724.0	6.7	7.6	20.2	6.3	373.9	590.8	180.6	90.3	3,838.8	383.9	308.5
1987	6,219.0	8,644.4	1,299.7	2,443.4	107.5	164.5	14.1	13.3	307.0	491.2	145.7	74.3	1,895.7	227.5	313.7
1988	7,248.2	13,771.6	2,645.5	5,820.1	61.4	111.7	30.2	20.2	217.1	388.6	114.1	63.9	2,867.7	286.8	326.4
1989	3,257.9	2,899.5	2,668.3	2,294.7	0.0	0.0	17.3	8.1	162.0	290.0	47.8	21.5	3,066.8	268.7	143.8
1990	1,300.2	2,197.3	494.3	578.3	0.0	0.0	9.4	5.7	176.2	354.2	64.9	48.7	2,784.2	250.6	450.2
1991	994.7	1,502.0	2,685.5	2,121.5	0.0	0.0	4.2	1.7	120.6	223.1	89.0	56.1	2,950.4	236.0	120.8
1992	426.6	614.4	299.0	269.1	0.0	0.0	6.9	1.7	172.4	274.1	62.3	26.1	3,673.8	293.9	395.2
1993	337.0	347.1	262.1	214.9	0.0	0.0	0.5	0.2	218.9	260.5	66.4	21.9	513.8	56.5	405.2
1994	64.1	122.4	496.3	412.0	0.0	0.0	0.5	0.1	167.4	209.3	6.4	2.1	43.5	11.7	155.7
1995	11.4	19.4	189.4	119.3	0.0	0.0	0.1	<0.1	162.9	267.1	11.3	5.7	440.0	66.5	171.1
1996	282.8	115.9	229.6	142.4	0.0	0.0	0.3	<0.1	229.5	298.3	19.6	9.4	9.1	11.5	158.8
1997	189.0	147.6	160.2	118.8	0.0	0.0	0.5	0.1	342.0	338.1	59.4	17.2	58.6	151.7	68.5
1998	113.6	152.0	194.2	122.3	0.0	0.0	0.1	<0.1	380.1	419.2	31.2	7.4	12.1	31.6	70.7
1999	145.3	212.1	683.9	574.5	0.0	0.0	1.2	0.3	262.4	325.4	32.9	9.2	20.9	84.0	117.6
2000	334.7	568.9	1,548.6	820.7	1.2	2.4	0.4	0.1	300.4	438.5	44.3	14.2	25.5	81.8	88.4
2001	649.8	899.1	2,257.4	606.5	5.8	6.4	1.3	0.2	266.6	417.3	12.0	3.6	158.8	125.5	70.7
2002	1,205.0	1,505.1	1,687.6	527.9	0.0	0.0	0.2	<0.1	286.5	431.5	5.6	2.2	58.0	28.4	100.2

Table 16. Continued.

Year	Zone 6 4/														Total Value	
	Chinook		Coho		Sockeye		Steelhead		White Sturgeon		Shad		Walleye		All Species	
	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Lbs.	Value	Zone 6	Zones 1-6
1981	974.9	974.9	11.3	12.2	<0.1	0.0	98.0	119.6	70.4	69.0	0.0	0.0	--	--	1,175.7	3,642.3
1982	1,100.8	704.5	25.9	23.3	0.5	0.7	96.5	107.1	44.8	45.2	6.0	0.9	--	--	881.7	4,923.0
1983	414.3	356.3	1.0	0.7	6.5	4.4	156.7	120.7	48.7	48.7	1.2	0.2	--	--	531.0	2,621.0
1984	857.1	1,028.5	8.7	8.4	78.7	85.0	908.4	953.8	88.3	120.1	8.8	0.7	--	--	2,196.5	6,726.1
1985	1,348.3	1,213.5	42.3	28.8	175.8	170.5	766.2	360.1	168.5	235.9	0.0	0.0	--	--	2,008.8	5,919.3
1986	1,984.8	1,607.7	96.1	72.1	17.1	19.7	683.8	382.9	322.1	521.8	2.3	0.3	--	--	2,604.5	12,996.9
1987	2,797.8	4,504.5	13.7	16.6	149.0	219.0	753.8	829.2	384.1	672.2	36.4	1.5	--	--	6,243.0	18,364.3
1988	3,290.9	6,483.1	38.0	69.2	119.6	246.4	764.8	1,093.7	136.6	266.4	59.0	5.9	--	--	8,164.7	28,679.8
1989	2,862.4	1,831.9	14.8	8.9	0.1	0.1	591.0	319.1	126.7	269.9	0.3	0.1	9.3	6.1	2,436.1	8,247.4
1990	1,795.1	2,082.3	6.9	5.6	<0.1	0.0	331.0	268.1	115.5	242.6	0.4	0.1	2.2	2.2	2,600.9	6,107.7
1991	999.8	569.9	44.7	29.5	<0.1	0.0	307.4	187.5	46.7	110.7	<0.1	0.0	4.3	3.2	900.8	5,069.0
1992	525.7	467.9	4.8	3.2	<0.1	0.0	465.2	307.0	54.1	122.3	0.8	0.1	6.8	5.2	905.7	2,456.1
1993	540.7	362.3	9.4	7.4	<0.1	0.0	263.0	134.2	61.6	108.3	2.8	0.4	5.4	4.2	616.8	1,582.7
1994	540.5	378.3	8.6	4.3	0.0	0.0	110.2	54.0	46.8	69.3	30.7	5.8	2.9	2.4	514.2	1,304.5
1995	594.8	196.3	2.1	0.5	0.0	0.0	100.7	32.2	54.0	105.8	124.0	31.0	8.9	7.5	373.3	895.8
1996	729.0	233.3	1.2	0.3	0.0	0.0	91.9	26.6	43.3	83.6	561.0	95.4	3.9	3.0	442.2	1,061.0
1997	738.0	295.2	1.6	0.4	0.0	0.0	70.2	23.2	94.0	154.2	20.3	4.1	2.5	2.1	479.2	1,263.7
1998	550.1	319.0	1.6	0.3	0.0	0.0	41.5	13.3	96.6	144.9	60.4	26.6	1.4	1.4	505.5	1,253.6
1999	739.7	399.4	14.3	10.2	0.0	0.0	33.7	19.2	75.6	143.5	41.3	20.2	1.6	1.6	594.1	1,824.3
2000	753.3	467.1	36.5	22.6	0.4	0.8	85.5	28.2	84.8	176.5	0.2	0.1	3.6	3.6	698.9	2,643.2
2001	1,512.9	1,529.7	28.7	11.5	6.6	13.2	129.4	121.7	90.3	214.7	15.2	1.7	1.9	3.6	1,896.1	3,970.1
2002	1,743.3	1,369.7	4.2	1.3	0.5	0.3	110.5	48.7	51.3	138.9	29.0	2.9	1.4	1.9	1,563.7	4,081.8

1/ Value was derived from average dollars per pound per species listed on Oregon fish receiving tickets applied to total river landings.

2/ Includes Youngs Bay, Big Creek (1981-present), other SAFE sites (1996-present), and Washington terminal (1981-82) fisheries' landings.

3/ Includes tributary landings.

4/ Does not include sales to general public that escalated beginning in 1995.

Table 17. Columbia River Commercial Landings (in Thousands of Pounds) of Salmon and Steelhead by Treaty Indian Fishers Using Dip Nets at Celilo Falls, 1938-56. 1/

Year	Chinook	Coho 2/	Sockeye	Steelhead	Total
1938	1,311.5	--	86.5	262.9	1,660.9
1939	1,087.5	--	71.6	186.8	1,345.9
1940	1,616.5	--	155.4	340.9	2,112.8
1941	3,038.2	--	106.2	320.5	3,464.9
1942	2,464.6	--	47.9	274.0	2,786.5
1943	1,548.3	--	27.5	214.7	1,790.5
1944	1,273.4	--	16.3	303.5	1,593.2
1945	941.9	--	3.8	302.1	1,247.8
1946	1,927.1	--	22.9	345.3	2,295.3
1947	2,120.6	--	119.6	245.6	2,485.8
1948	2,600.0	--	51.6	188.3	2,839.9
1949	1,011.5	--	12.6	211.6	1,235.7
1950	1,516.8	--	45.4	156.1	1,718.3
1951	1,474.8	--	32.3	255.9	1,763.0
1952	1,790.7	--	88.2	407.0	2,285.9
1953	1,120.8	--	48.5	500.7	1,670.0
1954	570.5	--	45.0	180.7	796.2
1955	1,475.6	--	168.6	338.9	1,983.1
1956	634.6	--	105.6	170.7	910.9

1/ The dip-net fishery at Celilo Falls ended in 1957 when the falls was inundated by the construction of The Dalles Dam.

2/ Coho landings were usually less than 500 fish annually.

Table 18. Days Open to Commercial Salmon Fishing Above Bonneville Dam, 1938-2002. 1/

Year	January- March 2/	April- May	June- July	August- December 3/	Total
1938-47	<i>Days open same as below Bonneville Dam (Table 12).</i>				
1948	32	25 1/4	33 1/4	117 3/4	208 1/4
1949	31	26 1/2	32 1/2	90 3/4	180 3/4
1950	31	26 1/2	25 3/4	90 3/4	174
1951	31	26 1/2	25 3/4	90 3/4	174
1952	32	26	29 1/2	70 1/4	157 3/4
1953	31	14 3/4	25 1/4	70 1/4	141 1/4
1954	31	22 1/2	18 1/4	70 1/4	142
1955	31	23	22 1/2	71 1/4	147 3/4
1956	32	8 3/4	21 1/4	56 3/4	118 3/4
1957-68	<i>Closed season by joint action of the states of Oregon and Washington. Treaty Indian-only fishing conducted above Bonneville Dam since 1957. Fisheries set prior to June 1968 were by tribal ordinances.</i>				
1968	--	--	6	36	42
1969	0	29	11	42	82
1970	0	16	16	48	80
1971	0	10	16	49	75
1972	0	35	16	46	97
1973	14	40	7	56	117
1974	33	2	0	63	98
1975	59	0	0	54	113
1976	60	0	0	60	120
1977	59	8	0	19	86
1978	59	0	0	27	86
1979	59	0	0	18	77
1980	43	0	0	5	48
1981	59	0	0	8	67
1982	48	0	0	14	62
1983	48	0	6	15	69
1984	49	0	10	32	91

Table 18. Continued.

Year	February- March 2/	April- May	June- July	August- November 3/	Total
1985	48	0	18	29	95
1986	48	0	3	37	88
1987	48	0	13	46	107
1988	49	0	14	35	98
1989	53	0	0	36	89
1990	48	0	0	34	82
1991	48	0	0	20	68
1992	49	0	0	32	81
1993	48	0	0	26	74
1994	34	0	0	10	44
1995	33	0	0	9	42
1996	32	0	0	18	50
1997	35	0	0	14	49
1998	30	0	0	19	49
1999	37	0	0	22	59
2000	47	0	0	15	62
2001	41	9	2	14	66
2002	48	17	17	40	122

1/ Days open since 1968 represent actual number of landing days.

2/ No season has occurred in January since 1956.

3/ No season has occurred in December since 1955.

Table 19. Columbia River Commercial Landings (in Thousands) of Salmon and Steelhead Above Bonneville Dam, 1938-2002.

Year	Chinook		Coho		Sockeye		Chum		Steelhead		Total	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1938	1,670.7	86.3	1.1	0.2	99.1	32.6	6.0	0.5	349.1	43.1	2,126.0	162.7
1939	1,494.0	79.4	1.4	0.2	89.8	29.6	20.2	1.7	233.7	28.9	1,839.1	139.8
1940	2,356.2	123.5	0.8	0.1	196.8	64.7	0.8	0.1	472.7	58.3	3,027.3	246.7
1941	4,339.4	230.2	22.6	3.2	128.0	42.1	0.0	0.0	486.4	60.1	4,976.4	335.6
1942	3,573.3	184.1	1.8	0.3	56.0	18.4	1.0	0.1	376.4	46.4	4,008.5	249.3
1943	2,050.2	105.1	0.7	0.1	28.4	9.3	0.0	0.0	283.3	35.0	2,362.6	149.5
1944	1,862.5	99.8	3.6	0.5	21.4	7.0	0.0	0.0	376.1	46.4	2,263.6	153.7
1945	1,378.4	71.4	1.2	0.2	3.9	1.3	0.0	0.0	347.5	42.9	1,731.0	115.8
1946	2,670.4	137.4	1.2	0.2	35.2	11.6	0.0	0.0	413.0	50.9	3,119.8	200.1
1947	3,412.4	175.5	13.3	1.9	143.6	47.2	0.0	0.0	349.7	43.2	3,919.0	267.8
1948	3,647.1	201.8	1.4	0.2	55.0	18.1	0.0	0.0	388.4	47.9	4,091.9	268.0
1949	1,623.7	87.7	1.5	0.2	19.6	6.5	3.4	0.3	328.4	40.6	1,976.6	135.3
1950	2,171.5	112.8	6.6	0.9	48.0	15.8	0.4	0.1	223.9	27.6	2,450.4	157.2
1951	1,663.1	95.4	3.1	0.4	36.4	12.0	12.6	1.0	268.8	34.4	1,984.0	143.2
1952	2,087.0	118.0	7.4	1.1	95.7	31.5	0.1	0.0	414.3	57.3	2,604.5	207.9
1953	1,285.3	79.7	23.0	3.3	49.1	16.2	0.0	0.0	519.8	64.1	1,877.2	163.3
1954	994.3	80.4	7.9	1.1	47.8	17.5	0.0	0.0	193.7	17.4	1,243.7	116.4
1955	2,112.5	151.8	73.6	10.5	169.9	52.4	0.0	0.0	356.2	47.8	2,712.2	262.5
1956	722.3	57.7	12.6	1.8	106.4	35.7	0.0	0.0	182.5	27.4	1,023.8	122.6
1957	55.9	3.7	0.2	0.1	0.5	0.2	0.0	0.0	1.1	0.1	57.7	4.1
1958	150.4	11.7	1.7	0.2	19.1	6.3	0.0	0.0	28.4	4.1	199.6	22.3
1959	32.1	2.2	0.2	0.1	2.6	0.9	0.0	0.0	4.7	0.5	39.6	3.7
1960	34.6	2.4	1.1	0.2	1.9	0.6	0.0	0.0	7.6	0.7	45.2	3.9
1961	116.4	7.5	3.5	0.5	0.4	0.1	0.4	0.1	10.1	1.5	130.8	9.7
1962	145.0	9.9	17.5	2.5	12.4	3.8	0.0	0.0	0.1	<0.1	175.0	16.2
1963	544.1	36.8	0.5	0.1	28.8	8.9	0.0	0.0	64.8	6.4	638.2	52.2
1964	645.7	42.7	19.9	2.5	51.6	15.8	<0.1	<0.1	48.9	6.5	766.1	67.5
1965	873.5	55.6	21.5	3.2	22.6	5.8	0.0	0.0	104.5	13.2	1,022.1	77.8
1966	203.1	12.4	71.5	8.3	16.6	4.2	0.0	0.0	14.7	2.1	305.9	27.0
1967	1,020.5	63.3	102.2	13.6	118.2	34.5	0.0	0.0	135.9	15.9	1,376.8	127.3
1968	766.3	47.2	49.5	7.6	17.2	5.0	0.1	<0.1	93.4	10.4	926.5	70.2
1969	1,364.1	90.7	38.4	7.8	42.5	11.3	0.0	0.0	146.4	14.8	1,591.4	124.6
1970	956.9	57.1	137.6	15.5	13.0	4.1	0.0	0.0	116.9	13.5	1,224.4	90.2
1971	1,201.3	75.1	86.4	13.1	77.5	21.3	0.0	0.0	228.6	25.9	1,593.8	135.4
1972	1,341.8	90.1	61.9	8.7	88.7	26.1	<0.1	<0.1	323.6	28.6	1,816.0	153.5
1973	1,717.2	104.1	81.6	11.1	6.1	1.4	<0.1	<0.1	296.7	27.9	2,101.6	144.5
1974	1,251.5	72.5	41.7	6.8	0.2	<0.1	0.0	0.0	116.4	13.1	1,409.8	92.4
1975	2,668.3	140.6	50.7	5.7	0.0	0.0	0.0	0.0	69.5	7.3	2,788.5	153.6
1976	2,562.8	135.4	30.2	4.0	0.2	<0.1	0.0	0.0	86.6	9.6	2,679.8	149.0
1977	1,176.9	72.4	7.6	1.0	0.5	0.1	0.0	0.0	425.7	35.2	1,610.7	108.7
1978	1,240.6	65.6	22.8	3.7	<0.1	<0.1	0.0	0.0	249.2	20.4	1,512.6	89.7
1979	1,193.1	62.9	31.0	3.9	<0.1	<0.1	<0.1	<0.1	68.6	9.2	1,292.7	76.0

Table 19. Continued

Year	Chinook		Coho		Sockeye		Chum		Steelhead		Total	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1980	729.5	33.9	1.9	0.3	<0.1	<0.1	0.0	0.0	65.6	7.3	797.0	41.5
1981	974.9	56.4	11.3	1.8	<0.1	<0.1	0.0	0.0	98.0	10.0	1,084.2	68.2
1982	1,100.8	57.7	25.9	4.3	0.5	0.1	0.0	0.0	96.5	9.4	1,223.7	71.5
1983	414.3	24.5	1.0	0.2	6.5	1.8	<0.1	<0.1	156.7	18.5	578.5	45.0
1984	857.1	53.5	8.7	1.6	78.7	22.5	0.0	0.0	908.4	75.1	1,852.9	152.7
1985	1,348.3	76.9	42.3	5.2	175.8	49.4	<0.1	<0.1	766.2	85.5	2,332.6	217.0
1986	1,984.8	107.1	96.1	16.8	17.1	4.3	0.0	0.0	683.8	72.0	2,781.8	200.2
1987	2,797.8	140.5	13.7	2.3	149.0	39.5	0.0	0.0	753.8	79.1	3,714.3	261.4
1988	3,290.9	146.9	38.0	5.2	119.6	31.0	0.0	0.0	764.8	78.5	4,213.3	261.6
1989	2,862.4	128.1	14.8	2.5	0.1	<0.1	0.0	0.0	591.0	60.9	3,468.3	191.5
1990	1,795.1	83.8	6.9	1.0	<0.1	<0.1	0.0	0.0	331.0	32.6	2,133.0	117.4
1991	999.8	51.2	44.7	6.7	<0.1	<0.1	0.0	0.0	307.4	37.0	1,351.9	94.9
1992	525.7	29.2	4.8	1.0	<0.1	<0.1	0.0	0.0	465.2	51.9	995.7	82.1
1993	540.8	31.1	9.4	0.9	<0.1	<0.1	0.0	0.0	263.1	27.6	813.3	59.6
1994	540.4	29.7	8.6	1.0	0.0	0.0	0.0	0.0	110.2	12.9	659.2	43.6
1995 1/	594.8	31.4	2.1	0.3	0.0	0.0	0.0	0.0	100.7	12.7	697.6	44.4
1996	729.0	41.7	1.3	0.1	0.0	0.0	0.0	0.0	91.9	9.5	822.2	51.3
1997	738.1	39.6	1.6	0.2	0.0	0.0	0.0	0.0	70.2	9.2	809.9	49.0
1998	550.1	31.3	1.6	0.2	0.0	0.0	0.0	0.0	41.5	5.3	593.2	36.8
1999	739.6	43.8	14.3	1.7	0.0	0.0	0.0	0.0	33.7	4.5	787.6	50.0
2000	753.3	38.8	36.5	4.4	0.4	0.1	0.0	0.0	85.5	8.9	875.7	52.2
2001	1,512.9	89.4	28.7	3.8	6.6	1.6	0.0	0.0	129.4	15.9	1,677.7	110.6
2002	1,743.3	95.1	4.2	0.5	0.5	0.1	0.0	0.0	110.5	9.4	1,858.5	105.1

1/ Since 1995 an increasing proportion of treaty Indian commercial landings have been sold to the general public and not licensed fish buyers. General public sales figures are not included here.

Table 20. Angler Trips and Catch (in Thousands) in the Lower Columbia River (Bonneville to Astoria) Recreational Fisheries, 1969-2002. 1/

Year	Angler Trips 2/				Catch								
	Sal-monid	Stur-geon	Shad	Total	Chinook		Coho		Steelhead		White Sturg.	Green Sturg. 4/	Shad
					Ad.	Jk.	Ad.	Jk.	Sum.	Wint.			
1969	--	--	--	(228.3)	17.1	6.4	0.4	3.1	11.3	(2.5)	6.9	--	5.9
1970	--	--	--	(333.9)	36.4	10.7	2.2	11.5	9.4	(1.2)	8.9	--	10.7
1971 3/	--	--	--	(332.5)	(29.2)	(10.9)	1.4	3.7	(10.8)	(2.7)	3.7	--	6.1
1972 3/	--	--	--	(290.6)	(28.6)	(5.1)	0.9	1.6	(15.4)	(3.0)	6.6	--	3.9
1973 3/	--	--	--	(356.2)	(41.0)	(3.5)	0.3	3.1	(8.5)	(1.6)	12.9	--	7.0
1974	--	--	--	(274.0)	16.5	3.2	0.5	0.3	5.5	(1.3)	12.3	--	12.3
1975	--	--	--	(120.0)	4.3	1.8	0.6	1.0	0.0	(1.0)	18.1	--	14.5
1976	--	--	--	(138.4)	4.8	3.2	0.3	1.0	0.0	(0.4)	19.3	--	15.9
1977	(170.6)	55.1	2.2	(227.9)	19.0	3.0	0.5	6.4	4.4	(0.8)	25.8	--	2.8
1978	(162.2)	82.5	3.7	(248.4)	6.7	2.4	1.0	3.3	2.7	(1.4)	30.4	--	15.7
1979	(102.1)	101.0	4.3	(207.4)	2.8	1.7	0.2	2.9	1.8	(0.5)	31.4	--	12.4
1980	(69.0)	105.9	6.0	(180.9)	2.0	0.5	0.1	0.1	2.3	(0.8)	27.0	--	24.3
1981	(95.1)	116.8	7.3	(219.2)	4.7	1.4	0.1	0.6	5.1	(0.6)	27.2	--	28.7
1982	(80.2)	129.5	6.6	(216.3)	2.9	0.8	0.1	0.8	4.4	(1.2)	25.1	0.0	33.9
1983	(93.7)	145.7	7.3	(246.7)	3.7	1.5	0.2	2.3	3.7	(0.5)	36.0	0.1	28.7
1984	(109.6)	142.2	8.0	(259.8)	3.4	1.6	0.7	0.5	8.1	(0.6)	42.0	0.1	22.3
1985	(109.2)	135.1	7.0	(251.5)	3.5	5.8	1.1	0.4	7.9	(0.6)	43.8	0.5	13.7
1986	(139.4)	145.6	6.5	(291.5)	7.8	3.5	4.0	0.5	11.0	(1.8)	49.8	0.4	18.9
1987	(143.8)	175.3	5.5	(324.6)	7.0	1.7	0.9	3.0	6.5	(0.7)	62.4	0.2	14.3
1988	(143.2)	149.8	6.7	(299.7)	9.1	1.7	0.5	1.5	10.4	(1.0)	43.1	0.1	27.5
1989	(148.6)	142.1	12.8	(303.5)	8.5	1.1	0.2	0.4	8.1	(0.2)	25.4	0.1	64.4
1990	(184.3)	131.5	19.0	(334.8)	15.8	1.4	0.4	2.9	6.3	(0.8)	17.3	0.1	113.8
1991	(139.8)	156.7	20.3	(316.8)	8.2	0.6	1.1	1.3	7.2	(0.3)	22.7	<0.1	100.6
1992	(141.1)	186.8	21.0	(348.9)	7.1	1.4	0.6	1.5	10.9	(0.5)	40.1	0.1	88.3
1993	(123.6)	187.8	20.3	(331.7)	5.6	0.5	0.5	0.1	9.8	(0.1)	37.9	<0.1	111.4
1994	(85.0)	169.0	16.2	(270.2)	2.2	<0.1	0.9	0.1	5.2	(0.2)	33.5	0.1	103.8
1995	(69.4)	191.4	17.8	(278.6)	4.6	1.2	0.2	0.1	8.1	(0.0)	45.1	<0.1	101.4
1996	(79.1)	179.8	15.9	(274.8)	9.3	0.5	0.8	0.1	6.3	(<0.1)	42.8	0.1	129.8
1997	(90.0)	200.5	11.9	(302.4)	8.5	0.4	0.8	0.5	7.1	(<0.1)	38.2	<0.1	98.9
1998	(91.1)	203.6	13.1	(307.9)	7.0	0.6	0.6	0.6	4.8	(0.0)	41.6	0.1	83.4
1999	(100.3)	192.3	12.3	(305.0)	8.7	0.3	1.3	0.5	7.1	(<0.1)	39.8	0.1	79.3
2000	(124.8)	200.0	10.8	(335.7)	7.9	1.5	1.6	2.4	9.8	(0.1)	40.5	<0.1	58.0
2001	(307.2)	184.6	12.5	(504.3)	35.1	1.2	3.1	0.4	11.4	(1.6)	41.2	0.1	98.6
2002	(345.8)	155.8	17.9	(519.4)	43.0	1.1	3.0	0.4	11.9	(1.5)	38.3	0.1	148.2

1/ Kept fish only. The lower Columbia recreational fishery statistical sampling program began in 1969. In all years the minor salmonid fisheries of the winter months are not sampled. Numbers in parentheses indicate incomplete data.

2/ Prior to 1977, angler trip totals by target species are unknown.

3/ During 1971-73, portions of important salmonid fisheries were not sampled.

4/ No green sturgeon catch estimates were made prior to 1982.

Table 21. Angler Trips and Catch (in Thousands) in the Estuary Salmon (Buoy 10) Recreational Fishery, 1982-2002. 1/

Year	Angler Trips	Chinook	Coho	Catch/Trip
1982	17.3	0.7	18.9	1.13
1983	7.1	0.6	3.6	0.59
1984	67.4	12.2	74.4	1.28
1985	32.2	2.7	25.4	0.87
1986	102.2	15.6	120.4	1.33
1987	124.6	42.1	47.2	0.72
1988	186.1	30.8	143.4	0.94
1989 2/	152.8	16.4	81.9	0.64
1990 2/	79.6	5.2	18.5	0.30
1991 2/	171.7	11.6	208.7	1.28
1992	115.5	10.7	43.1	0.47
1993	75.8	5.3	20.9	0.35
1994 3/	9.2	0.0	1.7	0.19
1995 4/	25.2	0.6	5.0	0.22
1996 5/	18.0	1.4	4.5	0.33
1997	55.7	13.2	20.4	0.60
1998 6/	41.0	9.3	6.3	0.38
1999 7/	49.6	9.9	9.0	0.38
2000 8/	72.5	6.1	21.5	0.38
2001 9/	125.8	12.7	132.0	1.15
2002	84.4	19.4	6.2	0.30

1/ Catch made in the Buoy 10 fishery prior to 1982 is included in the ocean catch totals. The catch numbers in this table are for kept fish only (no estimates of hooking mortality for released fish).

2/ Includes Chinook-Hammond (C&H) fishery.

3/ Opened for coho on September 17 and chinook on October 8, 1994.

4/ Opened for coho on August 1 and chinook on September 7, 1995.

5/ Opened for coho on August 1 and chinook on August 30, 1996.

6/ Includes Astoria-Megler Bridge fishery August 24 on. Buoy 10 was open August 8-23, 1998.

7/ Closed for chinook August 30 through September 29, 1999.

8/ Beginning in 2000 the area upstream of the Astoria-Megler Bridge to the Tongue Point/ Rocky Point line was included in the Buoy 10 management area. Closed for chinook August 29-31, 2000.

9/ Closed for chinook August 30-September 12, 2001.

Table 22a. Columbia River Commercial Landings, 2001.

Season	Species	Zones 1-5		Zone 6		Zones 1-6	
		Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Winter/Spring	Chinook	114,714	6,665	218,641	16,003	333,355	22,668
	Steelhead	--	--	2,858	296	2,858	296
	White Sturgeon	80,946	3,059	53,095	1,961	134,041	5,020
	Green Sturgeon	0	0	--	--	0	0
	Walleye	--	--	1,613	147	1,613	147
Sockeye	Sockeye	5,838	1,576	6,597	1,640	12,435	3,216
	Chinook	75	21	1,317	131	1,392	152
	Steelhead	--	--	3,940	554	3,940	554
	White Sturgeon	106	4	119	4	225	8
	Walleye	--	--	123	26	123	26
August	Chinook	142,254	6,599	--	--	142,254	6,599
	Coho	5,111	662	--	--	5,111	662
	Steelhead	--	--	--	--	--	--
	Sockeye	--	--	--	--	--	--
	White Sturgeon	171,030	5,740	--	--	171,030	5,740
	Green Sturgeon	11,914	338	--	--	11,914	338
Fall	Walleye	--	--	--	--	--	--
	Chinook	205,597	14,939	1,292,967	73,231	1,498,564	88,170
	Coho	1,956,754	219,062	28,679	3,757	1,985,433	222,819
	Steelhead	--	--	122,651	15,036	122,651	15,036
	Chum	1,298	115	--	--	1,298	115
	Sockeye	--	--	--	--	--	--
	White Sturgeon	--	--	8,860	368	8,860	368
	Green Sturgeon	--	--	--	--	0	0
	Walleye	--	--	162	17	162	17
	Youngs Bay Select Area (Winter, Spring, & Summer)	Chinook	85,305	5,593	--	--	85,305
Sockeye		5	1	--	--	5	1
White Sturgeon		9,384	317	--	--	9,384	317
Green Sturgeon		98	3	--	--	98	3
Tongue Point Basin Select Area (Winter & Spring)	Chinook	24,410	1,631	--	--	24,410	1,631
	White Sturgeon	3,846	145	--	--	3,846	145
	Green Sturgeon	23	1	--	--	23	1
Blind Slough Select Area (Winter & Spring)	Chinook	30,791	2,045	--	--	30,791	2,045
	White Sturgeon	644	27	--	--	644	27
	Green Sturgeon	0	0	--	--	0	0
Youngs Bay Select Area (Fall)	Chinook	29,266	2,040	--	--	29,266	2,040
	Coho	223,817	25,469	--	--	223,817	25,469
	Chum	8	1	--	--	8	1
	White Sturgeon	600	21	--	--	600	21
	Green Sturgeon	0	0	--	--	0	0
Tongue Point Basin Select Area (Fall)	Chinook	1,253	116	--	--	1,253	116
	Coho	17,375	2,021	--	--	17,375	2,021
	Chum	0	0	--	--	0	0
	White Sturgeon	--	--	--	--	0	0
	Green Sturgeon	--	--	--	--	0	0
Blind Slough Select Area (Fall)	Chinook	13,824	793	--	--	13,824	793
	Coho	31,952	3,764	--	--	31,952	3,764
	Chum	0	0	--	--	0	0
	White Sturgeon	--	--	--	--	0	0
	Green Sturgeon	--	--	--	--	0	0
Deep River Select Area (Fall)	Chinook	2,322	149	--	--	2,322	149
	Coho	22,115	2,491	--	--	22,115	2,491
	Chum	0	0	--	--	0	0
	White Sturgeon	--	--	--	--	0	0
	Green Sturgeon	--	--	--	--	0	0
Steamboat Slough Select Area (Fall)	Chinook	0	0	--	--	0	0
	Coho	235	26	--	--	235	26
	Chum	0	0	--	--	0	0
	White Sturgeon	--	--	--	--	0	0
	Green Sturgeon	--	--	--	--	0	0

Table 22a. Continued.

Season	Species	Zones 1-5		Zone 6		Zones 1-6	
		Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Sturgeon - Setline & Hook and Line (Winter)	White Sturgeon	--	--	903	35	903	35
Sturgeon - Setline & Hook and Line (Spring/Summer)	White Sturgeon	--	--	19,805	638	19,805	638
Sturgeon - Setline & Hook and Line (Fall)	White Sturgeon	--	--	7,495	293	7,495	293
2001 Select Area Totals	Chinook	187,171	12,367	--	--	187,171	12,367
	Sockeye	5	1	--	--	5	1
	Coho	295,494	33,771	--	--	295,494	33,771
	Chum	8	1	--	--	8	1
	White Sturgeon	14,474	510	--	--	14,474	510
	Green Sturgeon	121	4	--	--	121	4
	Shad	1,696	629	--	--	1,696	629
	Starry Flounder	4	--	--	--	4	--
2001 Mainstem Totals	Chinook	462,640	28,224	1,512,925	89,365	1,975,565	117,589
	Steelhead	--	--	129,449	15,886	129,449	15,886
	Sockeye	5,838	1,576	6,597	1,640	12,435	3,216
	Coho	1,961,865	219,724	28,679	3,757	1,990,544	223,481
	Chum	1,298	115	--	--	1,298	115
	White Sturgeon	252,082	8,803	90,277	3,299	342,359	12,102
	Green Sturgeon	11,914	338	--	--	11,914	338
	Walleye	--	--	1,898	190	1,898	190
	Smelt 1/	158,809	--	--	--	158,809	--
	Shad	69,051	25,576	15,247	5,648	84,298	31,224
	Starry Flounder	40	--	--	--	40	--
2001 Grand Totals	Chinook	649,811	40,591	1,512,925	89,365	2,162,736	129,956
	Steelhead	--	--	129,449	15,886	129,449	15,886
	Sockeye	5,843	1,577	6,597	1,640	12,440	3,217
	Coho	2,257,359	253,495	28,679	3,757	2,286,038	257,252
	Chum	1,306	116	--	--	1,306	116
	White Sturgeon	266,556	9,313	90,277	3,299	356,833	12,612
	Green Sturgeon	12,035	342	--	--	12,035	342
	Walleye	--	--	1,898	190	1,898	190
	Smelt 1/	158,809	--	--	--	158,809	--
	Shad	70,747	26,205	15,247	5,648	85,994	31,853
	Starry Flounder	44	--	--	--	44	--

1/ Does not include WA tributary smelt landings.

Table 22b. Columbia River Commercial Landings, 2002.

Season	Species	Zones 1-5		Zone 6		Zones 1-6	
		Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Winter/Spring	Chinook	225,806	14,384	192,775	13,659	418,581	28,043
	Steelhead	--	--	768	85	768	85
	White Sturgeon	73,587	2,724	39,342	1,502	112,929	4,226
	Green Sturgeon	0	0	--	--	0	0
	Walleye	--	--	1,240	110	1,240	110
Summer	Chinook	--	--	1,332	74	1,332	74
	Sockeye	--	--	517	122	517	122
	Steelhead	--	--	2,158	289	2,158	289
	Walleye	--	--	13	3	13	3
August	Chinook	410,728	19,508	--	--	410,728	19,508
	Coho	505	62	--	--	505	62
	Steelhead	--	--	--	--	--	--
	Sockeye	--	--	--	--	--	--
	White Sturgeon	57,840	1,725	--	--	57,840	1,725
	Green Sturgeon	--	--	--	--	--	--
	Walleye	--	--	--	--	--	--
Fall	Chinook	253,719	15,445	1,549,161	81,399	1,802,880	96,844
	Coho	967,649	94,814	4,223	454	971,872	95,268
	Steelhead	--	--	107,532	9,033	107,532	9,033
	Chum	147	13	--	--	147	13
	Sockeye	--	--	--	--	--	--
	White Sturgeon	128,376	4,188	--	--	128,376	4,188
	Green Sturgeon	5,309	156	--	--	5,309	156
	Walleye	--	--	107	11	107	11
Youngs Bay Select Area (Winter, Spring, & Summer)	Chinook	94,964	6,643	--	--	94,964	6,643
	White Sturgeon	6,413	241	--	--	6,413	241
	Green Sturgeon	162	4	--	--	162	4
Tongue Point Basin Select Area (Spring)	Chinook	41,395	3,003	--	--	41,395	3,003
	White Sturgeon	9,330	354	--	--	9,330	354
	Green Sturgeon	110	3	--	--	110	3
Blind Slough Select Area (Winter & Spring)	Chinook	26,296	2,053	--	--	26,296	2,053
	White Sturgeon	1,363	49	--	--	1,363	49
	Green Sturgeon	0	0	--	--	0	0
Youngs Bay Select Area (Fall)	Chinook	58,532	3,774	--	--	58,532	3,774
	Coho	546,689	51,859	--	--	546,689	51,859
	Chum	0	0	--	--	0	0
	White Sturgeon	2,869	96	--	--	2,869	96
	Green Sturgeon	0	0	--	--	0	0
Tongue Point Basin Select Area (Fall)	Chinook	27,753	1,708	--	--	27,753	1,708
	Coho	154,203	15,560	--	--	154,203	15,560
	Chum	0	0	--	--	0	0
	White Sturgeon	5,732	202	--	--	5,732	202
	Green Sturgeon	0	0	--	--	0	0
Blind Slough Select Area (Fall)	Chinook	59,846	2,760	--	--	59,846	2,760
	Coho	14,570	1,449	--	--	14,570	1,449
	Chum	0	0	--	--	0	0
	White Sturgeon	932	33	--	--	932	33
	Green Sturgeon	0	0	--	--	0	0
Deep River Select Area (Fall)	Chinook	2,255	145	--	--	2,255	145
	Coho	2,953	303	--	--	2,953	303
	Chum	8	1	--	--	8	1
	White Sturgeon	92	3	--	--	92	3
	Green Sturgeon	0	0	--	--	0	0
Steamboat Slough Select Area (Fall)	Chinook	3,695	183	--	--	3,695	183
	Coho	1,025	105	--	--	1,025	105
	Chum	0	0	--	--	0	0
	White Sturgeon	0	0	--	--	0	0
	Green Sturgeon	0	0	--	--	0	0

Table 22b. Continued.

Season	Species	Zones 1-5		Zone 6		Zones 1-6	
		Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Sturgeon - Setline & Hook and Line (Winter)	White Sturgeon	--	--	261	10	261	10
Sturgeon - Setline & Hook and Line (Spring/Summer)	White Sturgeon	--	--	5,995	229	5,995	229
Sturgeon - Setline & Hook and Line (Fall)	White Sturgeon	--	--	5,685	209	5,685	209
2002 Select Area Totals	Chinook	314,736	20,269	--	--	314,736	20,269
	Sockeye	--	--	--	--	0	0
	Coho	719,440	69,276	--	--	719,440	69,276
	Chum	8	1	--	--	8	1
	White Sturgeon	26,731	978	--	--	26,731	978
	Green Sturgeon	272	7	--	--	272	7
	Shad	54	20	--	--	54	20
	Starry Flounder	0	--	--	--	0	--
2002 Mainstem Totals	Chinook	890,253	49,337	1,743,268	95,132	2,633,521	144,469
	Steelhead	--	--	110,458	9,407	110,458	9,407
	Sockeye	--	--	517	122	517	122
	Coho	968,154	94,876	4,223	454	972,377	95,330
	Chum	147	13	--	--	147	13
	White Sturgeon	259,803	8,637	51,283	1,950	311,086	10,587
	Green Sturgeon	5,309	156	--	--	5,309	156
	Walleye	--	--	1,360	124	1,360	124
	Smelt 1/	57,985	--	--	--	57,985	--
	Shad	100,181	37,104	29,002	14,503	129,183	51,607
	Starry Flounder	0	--	--	--	0	--
2002 Grand Totals	Chinook	1,204,989	69,606	1,743,268	95,132	2,948,257	164,738
	Steelhead	--	--	110,458	9,407	110,458	9,407
	Sockeye	--	--	517	122	517	122
	Coho	1,687,594	164,152	4,223	454	1,691,817	164,606
	Chum	155	14	--	--	155	14
	White Sturgeon	286,534	9,615	51,283	1,950	337,817	11,565
	Green Sturgeon	5,581	163	--	--	5,581	163
	Walleye	--	--	1,360	124	1,360	124
	Smelt 1/	57,985	--	--	--	57,985	--
	Shad	100,235	37,124	29,002	14,503	129,237	51,627
	Starry Flounder	0	--	--	--	0	--

1/ Does not include WA tributary smelt landings.

Table 23. Estimated Numbers (in Thousands) of Lower River Spring Chinook, Including Jacks, Combined with the Upriver Run, Including Jacks, to Form the Total Spring Chinook Run Entering the Columbia River, 1938-2002.

Year	Lower Col. Catch 1/		Tributary Runs 2/					Lower River Run	Upriver Run	Total Run
	Commercial 3/	Sport	Willamette	Sandy	Cowlitz	Lewis	Kalama			
1938	1.3	--	--	--	--	--	--	1.3	117.1	118.4
1939	3.6	--	--	--	--	--	--	3.6	151.9	155.5
1940	7.6	--	--	--	--	--	--	7.6	90.0	97.6
1941	21.4	--	--	--	--	--	--	21.4	107.6	129.0
1942	10.7	--	--	--	--	--	--	10.7	77.2	87.9
1943	2.5	--	--	--	--	--	--	2.5	131.3	133.8
1944 4/	22.1	--	--	--	--	--	--	22.1	56.3	78.4
1945 4/	36.1	--	--	--	--	--	--	36.1	82.7	118.8
1946	6.9	--	68.6	--	--	--	--	75.5	123.8	199.3
1947	7.3	--	59.0	--	--	--	--	66.3	185.5	251.8
1948	7.5	--	40.1	--	--	--	--	47.6	125.7	173.3
1949	2.3	--	37.9	--	--	--	--	40.2	138.1	178.3
1950	1.6	--	24.8	--	--	--	--	26.4	119.7	146.1
1951	3.5	--	49.6	--	--	--	--	53.1	205.9	259.0
1952	6.4	--	67.5	--	--	--	--	73.9	245.9	319.8
1953	16.2	--	96.8	--	--	--	--	113.0	229.4	342.4
1954	4.2	--	44.4	--	--	--	--	48.6	188.8	237.4
1955	3.6	--	32.5	--	--	--	--	36.1	281.0	317.1
1956	3.4	--	77.6	--	--	--	--	81.0	216.9	297.9
1957	2.0	--	52.8	--	--	--	--	54.8	253.0	307.8
1958	7.2	--	62.8	--	--	--	--	70.0	198.5	268.5
1959	7.3	--	53.4	--	--	--	--	60.7	137.5	198.2
1960	4.6	--	24.2	--	--	--	--	28.8	146.4	175.2
1961	4.9	--	27.5	--	--	--	--	32.4	171.4	203.8
1962	2.8	--	38.2	--	3.7	--	--	44.7	210.7	255.4
1963	5.4	--	48.1	--	4.8	--	--	58.3	160.7	219.0
1964	5.6	--	58.4	--	14.7	--	--	78.7	168.5	247.2
1965	3.2	--	41.1	--	22.1	--	--	66.4	175.5	241.9
1966	4.1	--	44.0	--	12.8	--	--	60.9	175.2	236.1
1967	6.8	--	74.4	--	8.3	--	--	89.5	151.0	240.5
1968	8.7	--	47.5	--	9.8	--	--	66.0	133.5	199.5
1969	8.6	5.1	52.6	--	11.9	0.0	0.3	78.5	216.5	295.0
1970	12.5	5.0	53.5	--	10.1	0.2	0.2	81.5	171.2	252.7
1971	13.4	6.5	67.4	--	11.0	0.1	0.5	98.9	168.0	266.9
1972	15.8	0.2	47.1	--	9.3	0.1	0.4	72.9	280.4	353.3
1973	17.2	7.4	54.5	--	13.8	0.1	0.2	93.2	232.9	326.1
1974	13.3	2.2	71.8	--	27.7	0.1	0.5	115.6	108.5	224.1

Table 23. Continued.

Year	Lower Col. Catch 1/		Tributary Runs 2/					Lower River Run	Upriver Run	Total Run
	Commercial 3/	Sport	Willamette	Sandy	Cowlitz	Lewis	Kalama			
1975	9.1	2.4	32.8	--	23.1	0.5	4.0	71.9	<104.2	<176.1
1976	4.7	3.2	40.8	--	30.9	3.2	4.4	87.2	78.3	165.5
1977	6.8	3.1	58.1	0.6	21.7	3.5	2.2	96.0	143.6	239.6
1978	13.5	5.0	71.4	0.7	16.3	4.0	1.9	112.8	129.0	241.8
1979	5.5	1.7	44.6	0.9	16.4	2.6	3.0	74.7	51.5	126.2
1980	0.4	0.8	42.4	1.8	31.5	2.4	2.8	82.1	<61.0	<143.1
1981	6.8	3.5	48.6	2.8	30.2	3.1	3.8	98.8	<65.8	<164.6
1982	4.6	2.2	72.5	1.4	24.9	4.1	9.1	118.8	77.1	195.9
1983	5.4	2.2	55.1	1.8	26.5	3.9	5.4	100.3	59.6	159.9
1984	8.2	1.6	74.5	2.3	22.7	6.7	1.9	117.9	52.8	170.7
1985	9.8	1.1	57.1	1.4	10.4	4.6	0.4	84.8	94.2	179.0
1986	8.6	4.4	62.5	1.3	11.3	9.4	1.2	98.7	125.5	224.2
1987	10.6	2.4	82.9	2.4	20.2	17.4	2.7	138.6	103.2	241.8
1988	13.2	3.3	103.9	2.9	12.8	11.0	2.1	149.2	101.2	250.4
1989	12.4	2.5	102.0	2.0	9.1	12.5	2.1	142.6	89.3	231.9
1990	16.2	9.1	106.3	3.5	9.4	9.4	2.5	156.4	101.5	257.9
1991	11.7	4.1	95.3	3.7	11.4	9.1	2.8	138.1	63.6	201.7
1992	5.1	4.1	68.0	9.2	11.9	6.0	2.7	107.0	92.0	199.0
1993	2.1	1.4	63.9	6.4	9.9	6.7	3.0	93.4	112.8	206.2
1994	1.6	1.6	47.2	3.5	3.4	3.0	1.3	61.6	21.4	83.0
1995	0.2	0.0	42.5	2.7	2.4	3.8	0.7	52.3	12.6	64.9
1996	0.9	0.0	34.6	4.2	1.9	1.8	0.7	44.1	<56.2	100.3
1997	1.9	0.0	35.0	4.6	2.0	2.2	0.5	46.2	115.0	161.2
1998	2.2	0.1	45.1	4.2	1.4	1.6	0.4	55.0	39.1	94.1
1999	1.9	0.0	54.2	3.4	2.4	1.9	1.0	64.8	47.3	112.1
2000	6.9	0.2	57.5	3.8	2.0	2.3	1.5	74.2	199.8	274.0
2001	5.0	4.4	73.0	5.6	2.2	2.3	1.8	94.3	431.4	525.7
2002	6.3	5.7	109.1	7.0	5.0	3.0	2.9	139.0	301.8	440.8

1/ Beginning in 1981, catch of lower river stocks based on CWT recoveries or GSI analysis, not timing of catch (Feb.-Mar.) as in 1938-80. Includes estimates for release mortality in selective fisheries beginning in 2001.

2/ Mini-jacks are not included except for the Cowlitz and Lewis rivers prior to 1980.

3/ Beginning in 1992, includes Youngs Bay select area fishery. Beginning in 1998, also includes Blind Slough and Tongue Point select area fisheries. Includes estimates for release mortality in selective fisheries beginning in 2001.

4/ Includes landings during a special 10-day season (March 21-April 1); 20,300 fish in 1944 and 28,900 fish in 1945.

Table 24. Estimated Numbers (in Thousands) of Lower River Spring Chinook Adults, Combined with the Upriver Adult Run, to Form the Total Spring Chinook Adult Run Entering the Columbia River, 1970-2002.

Year	Lower Col. Catch 1/		Tributary Runs					Lower River Run	Upriver Run	Total Run
	Commercial 2/	Sport	Willamette	Sandy	Cowlitz	Lewis	Kalama			
1970	12.5	4.9	51.8	--	8.0	0.1	0.2	77.5	160.3	237.8
1971	13.4	6.4	66.5	--	8.1	0.1	0.5	95.0	146.5	241.5
1972	15.8	0.2	45.5	--	3.3	0.1	0.3	65.2	269.5	334.7
1973	17.2	7.3	52.7	--	6.5	0.1	0.1	83.9	223.8	307.7
1974	13.3	2.2	71.1	--	19.9	0.1	0.5	107.1	99.8	206.9
1975	9.1	2.4	31.0	--	21.7	0.4	3.9	68.5	<98.0	<166.5
1976	4.7	3.2	38.9	--	26.6	3.1	4.3	80.8	63.9	144.7
1977	6.8	3.1	56.1	0.6	20.9	3.3	1.3	92.1	138.4	230.5
1978	13.5	5.0	69.0	0.7	13.8	3.7	1.0	106.7	127.0	233.7
1979	5.5	1.7	42.9	0.8	13.4	2.5	1.9	68.7	48.6	117.3
1980	0.4	0.8	41.5	1.8	23.7	2.3	2.5	73.0	<53.1	<126.1
1981	6.7	3.4	46.7	2.8	27.9	3.0	3.3	93.8	<63.6	<157.4
1982	4.6	2.2	70.5	1.4	19.3	3.9	8.4	110.3	71.1	181.4
1983	5.4	2.2	52.3	1.8	21.3	3.7	4.9	91.6	57.7	149.3
1984	8.2	1.7	72.9	2.3	21.3	6.4	1.8	114.6	48.5	163.1
1985	9.9	1.1	55.0	1.4	9.9	4.1	0.3	81.7	86.4	168.1
1986	8.6	4.4	59.5	1.3	7.3	8.2	1.1	90.4	120.4	210.8
1987	10.6	2.4	80.2	2.3	18.0	16.5	2.4	132.4	100.0	232.4
1988	13.2	3.2	101.9	2.9	12.3	10.6	1.9	146.0	97.0	243.0
1989	12.4	2.5	97.7	2.0	8.3	12.0	2.0	136.9	83.3	220.2
1990	16.2	9.1	103.7	3.5	7.6	9.3	2.0	151.4	99.4	250.8
1991	11.7	4.1	90.9	3.7	8.9	8.3	2.6	130.2	59.7	189.9
1992	5.1	4.1	65.2	9.2	10.4	5.6	2.4	102.0	89.8	191.8
1993	2.1	1.4	60.8	6.4	9.5	6.6	2.9	89.7	111.5	201.2
1994	1.6	1.6	46.4	3.5	3.1	3.0	1.3	60.5	21.0	81.5
1995	0.2	0.0	40.8	2.7	2.2	3.7	0.7	50.3	10.2	60.5
1996	0.9	0.0	33.2	4.2	1.8	1.7	0.6	42.4	51.5	93.9
1997	1.9	0.0	34.3	4.6	1.9	2.2	0.5	45.4	114.1	159.5
1998	2.2	0.1	43.5	4.2	1.1	1.6	0.4	53.1	38.3	91.4
1999	1.9	0.0	52.6	3.4	2.1	1.8	1.0	62.8	38.6	101.4
2000	6.9	0.2	55.8	3.8	1.9	2.2	1.4	72.2	178.6	250.8
2001	5.0	4.4	71.2	5.6	1.6	2.2	1.7	91.7	416.7	508.4
2002	6.3	5.7	107.7	7.0	4.1	2.9	2.9	136.6	295.0	431.6

1/ Beginning in 1981, catch of lower river stocks based on CWT recoveries or GSI analysis, not timing of catch (Feb.-Mar.) as in 1970-80. Includes estimates for release mortality in selective fisheries beginning in 2001.

2/ Beginning in 1992, includes Youngs Bay select area fishery. Beginning in 1998, also includes Blind Slough in 2001 and Tongue Point select area fisheries. Includes estimates for release mortality in selective fisheries beginning in 2001.

Table 25. Columbia River Winter Season Spring Chinook and Steelhead Commercial Landings (in Thousands), Zones 1-5, January-March 1938-2002.

Year	Spring Chinook 1/		Steelhead 2/	
	Pounds	Numbers	Pounds	Numbers
1938	26.4	1.3	25.0	2.6
1939	72.1	3.6	179.8	18.9
1940	151.8	7.6	122.3	12.9
1941	428.4	21.4	165.1	17.4
1942	213.5	10.7	109.0	11.5
1943	50.8	2.5	93.8	9.9
1944 3/	36.7	1.8	37.0	3.9
1945 3/	144.4	7.2	99.4	10.5
1946	138.6	6.9	64.5	6.8
1947	146.3	7.3	105.6	11.1
1948	150.3	7.5	93.8	9.9
1949	45.8	2.3	56.4	5.9
1950	31.0	1.6	83.4	8.8
1951	70.0	3.5	114.2	12.0
1952	127.5	6.4	78.3	8.2
1953	324.7	16.2	176.9	18.6
1954	83.2	4.2	152.9	16.1
1955	73.0	3.6	115.7	12.2
1956	67.1	3.4	76.5	8.0
1957	40.3	2.0	60.4	6.0
1958	140.6	7.2	58.6	6.6
1959	148.5	7.3	44.1	4.3
1960	82.8	4.6	52.7	6.3
1961	107.3	4.9	97.2	9.6
1962	56.5	2.8	86.8	9.9
1963	106.9	5.4	69.1	7.8
1964	116.8	5.6	47.5	5.4
1965	64.4	3.2	84.3	9.5
1966	83.6	4.1	66.1	8.0
1967	139.3	6.8	82.8	8.4
1968	181.4	8.7	79.1	8.4
1969	168.2	8.6	107.0	12.8
1970	252.9	12.5	38.3	3.6
1971	278.0	13.4	49.3	4.7
1972	331.0	15.8	90.0	8.5
1973	337.5	17.2	26.3	2.1
1974	277.2	13.3	24.6	2.2

Table 25. Continued.

Year	Spring Chinook 1/		Steelhead 2/	
	Pounds	Numbers	Pounds	Numbers
1975	184.8	9.1	--	--
1976	96.1	4.7	--	--
1977	132.5	6.8	--	--
1978	264.7	13.5	--	--
1979	111.8	5.5	--	--
1980	7.5	0.4	--	--
1981	139.7	7.4	--	--
1982	104.2	5.1	--	--
1983	151.1	7.6	--	--
1984	183.0	9.6	--	--
1985	269.2	12.7	--	--
1986 4/	191.4	9.7	--	--
1987 4/	246.0	11.6	--	--
1988	384.3	18.3	--	--
1989	291.9	14.0	--	--
1990	343.8	18.3	--	--
1991	256.0	12.6	--	--
1992	104.6 (3.3)	5.4 (0.3)	--	--
1993	41.9 (12.8)	2.4 (0.9)	--	--
1994	38.5 (2.2)	2.1 (0.2)	--	--
1995	2.9 (2.9)	0.2 (0.2)	--	--
1996	11.3 (9.4)	0.9 (0.8)	--	--
1997	26.2 (24.3)	1.9 (1.8)	--	--
1998	35.5 (35.2)	2.2 (2.2)	--	--
1999	28.3 (28.0)	2.0 (2.0)	--	--
2000	88.1 (78.7)	7.0 (6.5)	--	--
2001	244.3 (129.6)	15.3 (8.7)	--	--
2002	376.8 (151.0)	25.4 (11.0)	--	--

1/ Beginning in 1992, spring chinook landings from the Youngs Bay select area fishery are in parentheses and included in the totals to the left. Beginning in 1998, total numbers and numbers in parentheses include Youngs Bay, Blind Slough, and Tongue Point select area fisheries.

2/ Prior to 1970 no mesh restrictions were in effect. During 1970-74 a 7-1/4-inch minimum mesh size restriction was in effect to reduce the catch of steelhead. Since 1975, sale of steelhead by non-Indians has been prohibited and an 8-inch minimum mesh size restriction has been in place.

3/ Does not include landings during a special 10-day season (March 21-April 1); 20,300 spring chinook (406,200 lbs) and 5,100 steelhead (48,500 lbs) in 1944, and 28,900 spring chinook (577,600 lbs) and 11,600 steelhead (110,300 lbs) in 1945.

4/ Includes incidental chinook catch during winter sturgeon gill-net seasons; 14,800 lbs and 700 fish in 1986, and 9,300 lbs and 400 fish in 1987.

Table 26. Escapement Indices (in Thousands) for Upriver Spring Chinook Adults, 1960-2002.

Year	Middle Columbia Redds 1/	Yakima Basin Redds 2/	Upper Columbia Counts		Snake River Counts			
			Priest Rapids Dam	Washington Redds 3/	Ice Harbor Dam 4/	Uppermost Dam 5/	NE Oregon Redds 6/	Idaho Redds 7/
1960	--	0.3	7.2	1.1	--	--	--	3.4
1961	--	0.3	7.1	0.4	--	--	--	5.8
1962	--	0.2	6.3	1.1	--	--	--	4.2
1963	--	0.2	4.4	0.8	--	--	--	3.8
1964	--	0.1	9.7	1.5	22.9	22.9	1.1	4.4
1965	--	0.1	3.8	1.1	11.1	11.1	0.8	2.4
1966	--	0.1	11.9	2.3	41.7	41.7	1.2	4.0
1967	--	0.2	8.5	1.2	32.7	32.7	1.0	4.6
1968	--	0.1	9.5	1.4	39.7	39.7	1.2	4.3
1969	--	0.4	7.3	0.8	48.5	42.0	1.3	2.1
1970	0.9	0.1	5.1	0.9	44.9	38.0	1.2	2.8
1971	0.7	0.1	5.0	0.7	28.9	21.8	1.2	2.2
1972	0.8	0.2	8.4	0.9	47.2	38.5	1.0	3.0
1973	1.3	0.1	9.0	1.7	58.4	52.8	1.3	3.3
1974	0.6	0.1	10.9	0.7	18.0	15.5	0.7	1.7
1975	1.4	0.1	7.7	1.1	20.2	16.1	0.4	2.2
1976	1.4	0.1	11.5	0.7	20.4	15.9	0.5	1.0
1977	1.2	0.1	20.6	1.0	42.4	36.2	0.4	1.7
1978	1.2	0.4	21.2	1.4	49.0	40.7	0.9	4.5
1979	0.8	0.2	7.4	0.3	8.5	6.8	0.2	0.7
1980	0.3	0.5	8.5	0.4	8.3	5.5	0.2	0.1
1981	0.5	0.5	14.5	0.5	15.6	13.1	0.2	0.8
1982	0.8	0.6	8.7	0.5	14.3	12.4	0.4	0.3
1983	0.8	0.4	10.4	0.8	12.1	9.5	0.3	0.5
1984	0.7	0.9	12.1	0.7	8.1	6.5	0.3	0.3
1985	0.8	1.4	24.1	1.1	31.3	25.2	0.4	0.6
1986	1.1	3.1	21.3	0.7	38.1	31.7	0.4	0.7
1987	1.6	1.7	18.5	0.9	31.3	28.8	0.6	0.8
1988	1.1	1.1	13.1	0.9	33.3	29.5	0.7	1.3
1989	1.0	1.5	11.7	0.8	15.4	13.0	0.1	0.3

Table 26 Continued.

Year	Middle Columbia Redds 1/	Yakima Basin Redds 2/	Upper Columbia Counts		Snake River Counts			
			Priest Rapids Dam	Washington Redds 3/	Ice Harbor Dam 4/	Uppermost Dam 5/	NE Oregon Redds 6/	Idaho Redds 7/
1990	1.1	1.2	12.2	0.6	20.5	17.3	0.2	0.4
1991	0.5	1.1	7.7	0.3	10.2	6.6	0.2	0.3
1992	0.9	1.7	19.6	0.7	25.5	21.4	0.3	0.3
1993	1.1	1.2	29.3	0.8	24.7	21.0	0.6	0.7
1994	0.7	0.6	3.1	0.1	3.4	3.1	0.1	0.1
1995	0.2	0.2	1.1	<0.1	1.5	1.1	<0.1	<0.1
1996	1.1	1.0	2.4	<0.1	6.0	4.2	0.2	0.1
1997	0.9	0.8	6.8	0.4	41.4	33.9	0.3	0.3
1998	0.2	0.5	4.1	0.1	12.4	9.9	0.1	0.5
1999	0.5	0.4	4.1	0.1	5.4	3.3	0.2	0.1
2000	2.1	4.5	19.1	0.7	38.2	33.8	0.3	0.5
2001	NA 8/	NA 8/	51.1	NA 8/	15.3	13.7	0.5	NA 8/
2002	NA 8/	NA 8/	34.1	NA 8/	26.6	22.2	0.8	NA 8/

1/ Counts from 11 streams in the Deschutes and John Day river basins.

2/ Counts from 8 streams in the Yakima River basin. Beginning in 1997 natural escapement was affected by removal of adults at Roza Dam for Cle Elum Hatchery broodstock.

3/ Counts from 11 streams in Wenatchee, Entiat, and Methow drainages. Data for 1960-86 are peak index redd counts and data for 1987-present are cumulative redd count totals within index areas.

4/ Ice Harbor is the first Snake River dam where fish passage is enumerated.

5/ Uppermost dam is Ice Harbor (1964-68), Lower Monumental (1969), Little Goose (1970-74), and Lower Granite thereafter.

6/ Based on counts in historic index areas. Prior to 1996 counts were from 12 streams in the Grande Ronde and Imnaha River systems and 11 streams thereafter. Surveys on Sheep Creek (Grande Ronde Basin) were discontinued in 1996.

7/ Counts from 11 streams in the Salmon River drainage.

8/ Data not available at the time of this report publication.

Table 27. Estimated Numbers (in Thousands) of Upriver Spring Chinook, Including Jacks, Entering the Columbia River and Escapement, 1938-2002.

Year	Catch by Zone				L. Columbia Sport Catch 1/	Bonneville Count 3/	Upriver Run	Escape- ment 4/
	1-5	6		1-6				
	Comm.1/	Comm.	C&S 2/					
1938	94.7	5.7	--	100.4	--	22.4	117.1	--
1939	75.2	16.4	--	91.6	--	76.7	151.9	60.3
1940	23.6	14.1	--	37.7	--	66.4	90.0	52.3
1941	35.3	25.9	--	61.2	--	72.3	107.6	46.4
1942	36.7	16.0	--	52.7	--	40.5	77.2	24.5
1943	65.8	9.6	--	75.4	--	65.5	131.3	55.9
1944	25.4	12.0	--	37.4	--	30.9	56.3	18.9
1945	39.2	10.5	--	49.7	--	43.5	82.7	33.0
1946	56.3	8.2	--	64.5	--	67.5	123.8	59.3
1947	51.9	14.5	--	66.4	--	133.6	185.5	119.1
1948	84.0	23.7	--	107.7	--	41.7	125.7	18.0
1949	88.0	9.2	--	97.2	--	50.1	138.1	40.9
1950	62.4	12.9	--	75.3	--	57.3	119.7	44.4
1951	91.0	33.9	--	124.9	--	114.9	205.9	81.0
1952	129.7	35.1	--	164.8	--	116.2	245.9	81.1
1953	59.1	29.0	--	88.1	--	170.3	229.4	141.3
1954	54.0	35.8	--	89.8	--	134.8	188.8	99.0
1955	109.4	114.7	--	224.1	--	171.6	281.0	56.9
1956	153.5	10.5	--	164.0	--	63.4	216.9	52.9
1957	116.6	1.2	--	117.8	--	136.4	253.0	135.2
1958	123.3	3.5	--	126.8	--	75.2	198.5	71.7
1959	76.4	0.6	--	77.0	--	61.1	137.5	60.5
1960	64.3	0.5	--	64.8	12.5	69.6	146.4	69.1
1961	62.8	1.6	--	64.4	9.9	98.7	171.4	97.1
1962	108.7	3.7	--	112.4	10.9	91.1	210.7	87.4
1963	71.8	9.2	--	81.0	13.4	75.5	160.7	66.3
1964	55.9	11.3	--	67.2	21.2	91.4	168.5	80.1
1965	73.4	19.7	--	93.1	17.8	84.3	175.5	64.6
1966	38.3	2.3	--	40.6	24.2	112.7	175.2	110.4
1967	33.0	11.8	--	44.8	33.1	84.9	151.0	73.1
1968	13.1	16.0	--	29.1	21.2	99.2	133.5	83.2
1969	30.7	33.0	--	63.7	12.2	173.6	216.5	140.6
1970	31.4	14.0	--	45.4	28.8	111.0	171.2	97.0
1971	22.6	12.7	--	35.3	19.9	125.5	168.0	112.8
1972	69.9	42.8	--	112.7	24.4	186.1	280.4	143.3
1973	60.5	34.2	--	94.7	30.3	142.1	232.9	107.9
1974	8.4	17.5	--	25.9	14.0	86.1	108.5	68.6
1975	0.1	0.1	--	0.2	0.0	<104.1	<104.2	<104.0
1976	0.0	0.4	--	0.4	0.0	78.3	78.3	77.9
1977	9.3	17.2	1.8	28.3	14.8	119.5	143.6	100.5
1978	0.0	2.6	4.9	7.5	0.1	128.9	129.0	121.4
1979	0.0	0.5	1.6	2.1	0.0	51.5	51.5	49.4

Table 27. Continued.

Year	Catch by Zone			1-6	L. Columbia Sport Catch 1/	Bonneville Count 3/	Upriver Run	Escape-ment 4/
	1-5 Comm.1/	6 Comm.	C&S 2/					
1980	0.0	0.0	1.8	1.8	0.0	<61.0	<61.0	<59.2
1981	0.6	1.6	1.8	4.0	0.2	<65.0	<65.8	<61.6
1982	0.5	3.3	2.0	5.8	0.6	76.0	77.1	70.7
1983	2.2	<0.1	2.5	4.7	0.6	56.8	59.6	54.3
1984	1.4	0.1	3.4	4.9	0.3	51.1	52.8	47.6
1985	2.8	0.1	3.0	5.9	0.4	91.0	94.2	87.9
1986	1.1	0.4	7.1	8.6	1.4	123.0	125.5	115.5
1987	1.0	0.3	6.4	7.7	0.4	101.8	103.2	95.1
1988	5.1	0.2	6.8	12.1	1.4	94.7	101.2	87.7
1989	1.5	0.1	6.6	8.2	0.5	87.3	89.3	80.6
1990	2.1	<0.1	6.9	9.0	3.1	96.3	101.5	89.4
1991	0.9	<0.1	3.9	4.8	1.6	61.2	63.6	57.3
1992	0.2	<0.1	5.7	6.0	1.2	90.6	92.0	84.8
1993	0.2	0.0	7.3	7.5	0.4	112.2	112.8	104.9
1994	0.4	<0.1	1.1	1.5	0.4	20.6	21.4	19.4
1995	0.0	<0.1	0.6	0.6	0.0	12.6	12.6	11.9
1996	<0.1	0.0	2.8	2.8	0.0	<56.2	<56.2	<53.4
1997	<0.1	<0.1	8.3	8.3	<0.1	115.0	115.0	106.7
1998	<0.1	<0.1	2.2	2.2	0.0	39.1	39.1	36.9
1999	<0.1	<0.1	2.0	2.0	0.0	47.3	47.3	45.3
2000	0.1	1.4	10.1	11.6	0.1	199.6	199.8	188.1
2001	2.9	43.7	10.8	57.4	23.0	405.5	431.4	350.9
2002	10.1	24.3	8.9	43.3	16.4	275.3	301.8	240.9

1/ Catch listed for Zones 1-5 and lower Columbia sport based on timing of catch (April and May) during 1938-80 and CWT recoveries or GSI analysis beginning in 1981. Sport catch for 1960-63 includes an estimate for Washington anglers based on the Oregon and Washington catch proportion for 1964-69. Beginning in 1992, includes Youngs Bay select area fishery. Beginning in 1998, includes Blind Slough and Tongue Point select area fisheries. Includes estimates for release mortality in selective fisheries beginning in 2001.

2/ Beginning in 1982, ceremonial and subsistence gill-net catch numbers include dip-net catch.

3/ Partial count in 1938 since counting began on May 7. Recorded count corrected for fallback in 1974, 1976, and 1978. Fallback can be significant in years with large spill: these conditions were observed in 1975, 1980-81, and 1996-97 but fallback estimates are not available.

4/ Beginning in 2001, the Zone 6 sport catch totals are accounted for in this estimate.

Table 28. Estimated Numbers (in Thousands) of Upriver Spring Chinook Adults Entering the Columbia River and Escapement, 1960-2002.

Year	Catch by Zone				L. Columbia Sport Catch 1/	Bonneville Count 3/	Upriver Run	Escape- ment 4/
	1-5	6		1-6				
	Comm.1/	Comm.	C&S 2/					
1960	64.3	0.5	--	64.8	12.5	66.1	142.9	65.6
1961	56.5	1.6	--	58.1	9.9	92.8	159.2	91.2
1962	105.4	3.7	--	109.1	10.9	87.5	203.8	83.8
1963	67.5	9.2	--	76.7	13.4	69.9	150.8	60.7
1964	53.7	11.3	--	65.0	21.2	88.5	163.4	77.2
1965	70.5	19.7	--	90.2	17.8	76.4	164.7	56.7
1966	36.8	2.3	--	39.1	24.2	106.3	167.3	104.0
1967	31.7	11.8	--	43.5	33.1	77.6	142.4	65.8
1968	12.4	16.0	--	28.4	21.2	90.3	123.9	74.3
1969	30.1	32.7	--	62.8	10.0	159.9	200.0	127.2
1970	30.8	13.7	--	44.5	26.4	103.1	160.3	89.4
1971	21.5	12.7	--	34.2	15.5	109.5	146.5	96.8
1972	68.5	41.9	--	110.4	22.7	178.3	269.5	136.4
1973	58.7	34.2	--	92.9	29.7	135.4	223.8	101.2
1974	8.2	17.5	--	25.7	12.2	79.4	99.8	61.9
1975	0.1	0.1	--	0.2	0.0	<97.9	<98.0	<97.8
1976	0.0	0.4	--	0.4	0.0	63.9	63.9	63.5
1977	8.6	17.0	1.8	27.4	14.2	115.6	138.4	96.8
1978	0.0	2.6	4.9	7.5	0.0	127.0	127.0	119.5
1979	0.0	0.5	1.6	2.1	0.0	48.6	48.6	46.5
1980	0.0	<0.1	1.8	1.8	0.0	<53.1	<53.1	<51.3
1981	0.6	1.6	1.8	4.0	0.2	<62.8	<63.6	<59.4
1982	0.5	3.3	2.0	5.8	0.6	70.0	71.1	64.7
1983	2.2	<0.1	2.5	4.7	0.6	54.9	57.7	52.4
1984	1.4	0.1	3.4	4.9	0.3	46.8	48.5	43.3
1985	2.8	0.1	3.0	5.9	0.4	83.2	86.4	80.1
1986	1.1	0.3	7.1	8.5	1.3	118.1	120.5	110.7
1987	1.0	0.3	6.4	7.7	0.4	98.6	100.0	91.9
1988	5.1	0.2	6.8	12.1	1.4	90.5	97.0	83.5
1989	1.5	0.1	6.6	8.2	0.5	81.3	83.3	74.6
1990	2.1	<0.1	6.9	9.0	3.1	94.2	99.4	87.3
1991	0.9	<0.1	3.9	4.8	1.5	57.3	59.7	53.4
1992	0.2	<0.1	5.7	6.0	1.2	88.4	89.8	82.7
1993	0.3	0.0	7.2	7.5	0.4	110.8	111.5	103.6
1994	0.4	<0.1	1.1	1.6	0.4	20.2	21.0	19.0
1995	0.0	<0.1	0.6	0.6	0.0	10.2	10.2	9.6
1996	<0.1	0.0	2.8	2.8	0.0	<51.5	<51.5	<48.7
1997	<0.1	<0.1	8.3	8.3	<0.1	114.0	114.1	105.8
1998	<0.1	<0.1	2.2	2.2	0.0	38.3	38.3	36.1
1999	<0.1	<0.1	2.0	2.0	0.0	38.7	38.7	36.7
2000	<0.1	1.4	10.1	11.6	0.1	178.3	178.4	168.2
2001	2.4	43.7	10.8	56.9	22.9	391.4	416.7	336.8
2002	10.0	24.3	8.9	43.2	16.2	268.8	295.0	234.4

1/ Catch listed for Zones 1-5 and lower Columbia sport based on timing of catch (April and May) during 1938-80 and CWT recoveries or GSI analysis beginning in 1981. Sport catch for 1960-63 includes an estimate for Washington anglers based on the Oregon and Washington catch proportion for 1964-69. Beginning in 1992, includes Youngs Bay select area fishery. Beginning in 1998, includes Blind Slough and Tongue Point select area fisheries. Beginning in 1998, includes Blind Slough and Tongue Point select area fisheries. Beginning in 2001, includes estimates for release mortality in selective fisheries.

2/ Beginning in 1982, ceremonial and subsistence gill-net catch numbers include dip-net catch.

3/ Partial count in 1938 since counting began on May 7. Recorded count corrected for fallback in 1974, 1976, and 1978. Fallback can be significant in years with large spill: these conditions were observed in 1975, 1980-81, and 1996-97 but fallback estimates are not available.

Table 29. Estimated Numbers of Threatened Snake River Wild Spring Chinook Adults Entering the Columbia River and Escapement, 1979-2002. 1/

Year	Total Run Size 2/	Non-Indian Harvest 3/	Treaty Indian Harvest 4/	Bonn. thru Lower Granite Dam Passage Loss	Tucannon River Return	Lower Granite Dam Escapement
1979	7,767	16	333	4,424	420	2,573
1980	13,108	26	457	8,635	512	3,478
1981	14,848	219	791	5,062	835	7,941
1982	18,747	327	1,397	9,395	512	7,117
1983	14,437	731	632	6,314	579	6,181
1984	7,215	266	515	2,899	337	3,199
1985	8,222	315	296	1,748	618	5,245
1986	12,984	270	800	4,343	672	6,895
1987	12,265	191	818	2,749	621	7,883
1988	14,356	987	1,034	3,332	418	8,581
1989	6,981	177	563	2,851	359	3,029
1990	6,084	323	424	1,624	494	3,216
1991	5,450	230	352	2,404	257	2,206
1992	16,198	272	1,035	3,343	408	11,134
1993	7,740	62	502	992	309	5,871
1994	2,067	90	110	354	98	1,416
1995	1,791	1	109	918	19	745
1996	3,897	2	211	2,164	161	1,358
1997	4,750	2	345	2,117	160	2,126
1998	9,620	9	549	3,889	85	5,089
1999	1,366	1	69	699	3	594
2000	5,741	11	362	2,036	66	3,266
2001	27,579	332	3,613	5,108	718	16,477
2002	60,243	1,100	6,769	13,618	344	34,144

1/ Listed as threatened under the Endangered Species Act, May 1992.

2/ Developed by the U.S. v. Oregon Technical Advisory Committee using run reconstruction technique.

3/ Includes commercial, test, and sport fisheries' catches and catch and release mortalities.

4/ Includes commercial, ceremonial, and subsistence fisheries' catches.

Table 30. Columbia River Spring Season Spring Chinook and Steelhead Commercial Landings (in Thousands), Zones 1-5, April and May 1938-2002. 1/

Year	Spring Chinook		Steelhead 2/	
	Pounds	Numbers	Pounds	Numbers
1938	1,610.5	94.7	33.0	3.5
1939	1,278.9	75.2	25.1	2.6
1940	401.2	23.6	13.0	1.4
1941	600.7	35.3	28.1	3.0
1942	624.7	36.7	29.8	3.1
1943	1,118.4	65.8	33.1	3.5
1944	432.0	25.4	23.2	2.4
1945	665.8	39.2	15.4	1.6
1946	957.4	56.3	21.8	2.3
1947	881.9	51.9	15.3	1.6
1948	1,428.5	84.0	23.1	2.4
1949	1,496.8	88.0	11.9	1.2
1950	1,060.2	62.4	11.2	1.2
1951	1,439.2	91.0	21.4	2.3
1952	2,152.2	129.7	20.4	2.4
1953	1,018.0	59.1	19.2	2.0
1954	855.1	54.0	25.0	2.6
1955	1,757.1	109.4	17.7	1.7
1956	2,340.3	153.5	17.6	2.2
1957	1,776.2	116.6	19.9	2.2
1958	2,104.1	123.3	12.0	1.2
1959	1,176.6	76.4	11.6	1.3
1960	866.3	64.3	11.3	1.2
1961	980.4	62.8	15.5	1.6
1962	1,595.0	108.7	22.9	2.5
1963	1,218.9	71.8	20.6	3.0
1964	876.7	55.9	9.9	1.1
1965	1,167.7	73.4	16.8	2.0
1966	577.6	38.3	20.1	2.4
1967	520.1	33.0	15.1	1.6
1968	213.4	13.1	4.5	0.7
1969	514.5	30.7	12.9	1.5
1970	546.4	31.4	8.5	0.9
1971	363.3	22.6	8.0	0.9
1972	1,076.5	69.9	21.1	2.4
1973	928.5	60.5	23.0	2.2
1974	135.1	8.4	1.5	0.2

Table 30. Continued.

Year	Spring Chinook		Steelhead 2/	
	Pounds	Numbers	Pounds	Numbers
1975	--	--	--	--
1976	--	--	--	--
1977	123.8	9.3	--	--
1978	--	--	--	--
1979	--	--	--	--
1980	--	--	--	--
1981	--	--	--	--
1982	--	--	--	--
1983	--	--	--	--
1984	--	--	--	--
1985	--	--	--	--
1986	--	--	--	--
1987	--	--	--	--
1988	--	--	--	--
1989	--	--	--	--
1990	--	--	--	--
1991	--	--	--	--
1992	--	--	--	--
1993	--	--	--	--
1994	--	--	--	--
1995	--	--	--	--
1996	--	--	--	--
1997	--	--	--	--
1998	--	--	--	--
1999	--	--	--	--
2000	--	--	--	--
2001	--	--	--	--
2002	--	--	--	--

1/ Since 1975 (except 1977) no spring seasons have been allowed.

2/ Sale of steelhead by non-Indians prohibited since 1975. An average weight of 9.5 pounds was used for 1938-50 to convert steelhead pounds to numbers.

Table 31. Columbia River Winter (February and March) and Spring (April and May) Season Spring Chinook Commercial Landings (in Thousands), Zone 6, 1938-2002.

Year	Winter Season 1/		Spring Season 2/		Total	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	--	--	97.6	5.7	97.6	5.7
1939	--	--	278.1	16.4	278.1	16.4
1940	--	--	239.1	14.1	239.1	14.1
1941	--	--	439.7	25.9	439.7	25.9
1942	--	--	271.7	16.0	271.7	16.0
1943	--	--	163.8	9.6	163.8	9.6
1944	--	--	204.4	12.0	204.4	12.0
1945	--	--	178.6	10.5	178.6	10.5
1946	--	--	139.2	8.2	139.2	8.2
1947	--	--	245.9	14.5	245.9	14.5
1948	--	--	403.5	23.7	403.5	23.7
1949	--	--	156.1	9.2	156.1	9.2
1950	--	--	219.8	12.9	219.8	12.9
1951	--	--	472.0	33.9	472.0	33.9
1952	--	--	627.9	35.1	627.9	35.1
1953	--	--	404.6	29.0	404.6	29.0
1954	--	--	458.3	35.8	458.3	35.8
1955	--	--	1,640.7	114.7	1,640.7	114.7
1956	--	--	134.0	10.5	134.0	10.5
1957	--	--	16.6	1.2	16.6	1.2
1958	--	--	49.3	3.5	49.3	3.5
1959	--	--	9.1	0.6	9.1	0.6
1960	--	--	6.3	0.5	6.3	0.5
1961	--	--	22.5	1.6	22.5	1.6
1962	--	--	52.3	3.7	52.3	3.7
1963	--	--	127.9	9.2	127.9	9.2
1964	--	--	159.6	11.3	159.6	11.3
1965	--	--	272.1	19.7	272.1	19.7
1966	--	--	31.4	2.3	31.4	2.3
1967	--	--	172.5	11.8	172.5	11.8
1968	--	--	244.2	16.0	244.2	16.0
1969	--	--	415.2	33.0	415.2	33.0
1970	--	--	210.2	14.0	210.2	14.0
1971	--	--	162.5	12.7	162.5	12.7
1972	--	--	637.9	42.8	637.9	42.8
1973	0.9	0.1	533.9	34.1	534.8	34.2
1974	0.7	<0.1	270.8	17.5	271.5	17.5

Table 31. Continued.

Year	Winter Season 1/		Spring Season 2/		Total	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	0.3	<0.1	--	--	0.3	<0.1
1976	4.3	0.2	--	--	4.3	0.2
1977	41.8	2.8	192.8	14.3	234.6	17.1
1978	48.7	2.3	--	--	48.7	2.3
1979	9.2	0.4	--	--	9.2	0.4
1980	0.4	<0.1	--	--	0.4	<0.1
1981	21.4	1.4	--	--	21.4	1.4
1982	0.7	<0.1	--	--	0.7	<0.1
1983	0.1	<0.1	--	--	0.1	<0.1
1984	0.6	0.1	--	--	0.6	0.1
1985	2.3	0.1	--	--	2.3	0.1
1986	5.5	0.4	--	--	5.5	0.4
1987	5.9	0.3	--	--	5.9	0.3
1988	4.1	0.2	--	--	4.1	0.2
1989	0.0	0.0	--	--	0.0	0.0
1990	0.1	<0.1	--	--	0.1	<0.1
1991	0.1	<0.1	--	--	0.1	<0.1
1992	0.8	<0.1	--	--	0.8	<0.1
1993	0.0	0.0	--	--	0.0	0.0
1994	0.2	<0.1	--	--	0.2	<0.1
1995	0.3	<0.1	--	--	0.3	<0.1
1996	0.0	0.0	--	--	0.0	0.0
1997	0.3	<0.1	--	--	0.3	<0.1
1998	0.0	<0.1	--	--	0.0	<0.1
1999	0.0	<0.1	--	--	0.0	<0.1
2000	0.0	<0.1	15.5	1.3	15.5	1.4
2001	3.1	0.2	209.0	15.4	212.1	15.6
2002	0.9	<0.1	188.1	13.3	189.0	13.4

1/ A winter season was allowed in Zone 6 until 1956. No or few chinook were landed during this period.

Beginning in 1973 tribal winter seasons have occurred annually.

2/ Since 1975 (except 1977 and 2000-2002) no spring seasons have been allowed.

Table 32. Columbia River Winter (February and March) and Spring (April and May) Season Steelhead Commercial Landings (in Thousands), Zone 6, 1938-2002.

Year	Winter Season 1/		Spring Season 2/		Total	
	Pounds	Numbers 3/	Pounds	Numbers 3/	Pounds	Numbers 3/
1938	0.0	0.0	9.1	1.4	9.1	1.4
1939	0.0	0.0	3.4	0.5	3.4	0.5
1940	0.3	<0.1	1.2	0.2	1.5	0.2
1941	0.2	<0.1	4.4	0.7	4.6	0.7
1942	0.0	0.0	5.1	0.8	5.1	0.8
1943	0.1	<0.1	2.2	0.3	2.3	0.3
1944	0.2	<0.1	4.6	0.7	4.8	0.7
1945	2.6	0.4	4.2	0.6	6.8	1.0
1946	0.1	<0.1	1.0	0.2	1.1	0.2
1947	0.3	<0.1	0.3	<0.1	0.6	0.1
1948	0.0	0.0	0.8	0.1	0.8	0.1
1949	0.0	0.0	0.4	0.1	0.4	0.1
1950	0.0	0.0	1.1	0.2	1.1	0.2
1951	0.0	0.0	2.6	0.4	2.6	0.4
1952	0.0	0.0	0.9	0.1	0.9	0.1
1953	0.7	0.1	2.5	0.4	3.2	0.5
1954	1.8	0.3	9.3	1.5	11.1	1.8
1955	11.4	1.3	14.4	2.9	25.8	4.2
1956	3.2	0.3	0.1	<0.1	3.3	0.3
1957	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.1	<0.1	0.1	<0.1
1959	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.1	<0.1	0.1	<0.1
1961	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1962	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	1.1	0.2	1.1	0.2
1964	0.0	0.0	0.4	0.1	0.4	0.1
1965	0.0	0.0	1.2	0.1	1.2	0.1
1966	0.0	0.0	1.2	0.2	1.2	0.2
1967	0.0	0.0	0.4	0.1	0.4	0.1
1968	0.0	0.0	6.4	0.9	6.4	0.9
1969	0.0	0.0	4.7	0.7	4.7	0.7
1970	0.0	0.0	1.4	0.2	1.4	0.2
1971	0.0	0.0	1.7	0.2	1.7	0.2
1972	0.0	0.0	5.9	0.9	5.9	0.9
1973	1.2	0.1	7.2	1.0	8.4	1.1
1974	0.2	<0.1	1.6	0.2	1.8	0.2

Table 32. Continued.

Year	Winter Season 1/		Spring Season 2/		Total	
	Pounds	Numbers 3/	Pounds	Numbers 3/	Pounds	Numbers 3/
1975	2.2	0.3	--	--	2.2	0.3
1976	7.2	0.8	--	--	7.2	0.8
1977	21.7	3.0	5.9	0.8	21.7	3.0
1978	40.4	4.7	--	--	40.4	4.7
1979	22.9	3.3	--	--	22.9	3.3
1980	19.4	2.6	--	--	19.4	2.6
1981	42.7	4.9	--	--	42.7	4.9
1982	34.4	4.1	--	--	34.4	4.1
1983	31.2	3.2	--	--	31.2	3.2
1984	20.8	3.0	--	--	20.8	3.0
1985	53.0	5.4	--	--	53.0	5.4
1986	62.7	7.8	--	--	62.7	7.8
1987	58.3	7.3	--	--	58.3	7.3
1988	94.6	10.8	--	--	94.6	10.8
1989	74.6	9.5	--	--	74.6	9.5
1990	32.1	3.5	--	--	32.1	3.5
1991	20.7	2.1	--	--	20.7	2.1
1992	28.0	4.0	--	--	28.0	4.0
1993	21.5	2.4	--	--	21.5	2.4
1994	18.8	2.1	--	--	18.8	2.1
1995	19.1	2.1	--	--	19.1	2.1
1996	0.8	0.1	--	--	0.8	0.1
1997	2.3	0.2	--	--	2.3	0.2
1998	1.8	0.2	--	--	1.8	0.2
1999	0.9	0.1	--	--	0.9	0.1
2000	0.0	0.0	--	--	0.0	0.0
2001	2.4	0.2	0.5	<0.1	2.9	0.2
2002	0.8	<0.1	<0.1	<0.1	0.8	<0.1

1/ A winter season was allowed in Zone 6 until 1956. Beginning in 1973 tribal winter seasons have occurred annually.

2/ Since 1975 (except 1977, 2001, and 2002) no spring seasons have been allowed.

3/ Numbers of fish during 1938-50 are calculated using an average weight of 6.5 lbs based on 1951-56 sampling.

Table 33. Estimated Numbers (in Thousands) of Upriver Summer Chinook, Including Jacks, Entering the Columbia River and Escapement, 1938-2002.

Year	Catch by Zone				L. Columbia Sport Catch (June-July)	Bonneville Count 2/	Upriver Run	Escape- ment
	1-5 Comm.	6		1-6				
		Comm.	C&S 1/					
1938	107.9	3.4	--	111.3	--	14.8	122.7	11.4
1939	168.4	3.9	--	172.3	--	23.4	191.8	19.5
1940	90.7	6.2	--	96.9	--	22.0	112.7	15.8
1941	90.1	16.5	--	106.6	--	16.4	106.5	0.0
1942	70.2	5.4	--	75.6	--	24.6	94.8	19.2
1943	43.5	2.0	--	45.5	--	13.5	57.0	11.5
1944	54.5	8.6	--	63.1	--	12.6	67.1	4.0
1945	25.0	1.6	--	26.6	--	27.6	52.6	26.0
1946	20.8	4.6	--	25.4	--	51.2	72.0	46.6
1947	47.4	4.7	--	52.1	--	38.9	86.3	34.2
1948	19.7	28.2	--	47.9	--	67.2	86.9	39.0
1949	11.1	9.0	--	20.1	--	46.7	57.8	37.7
1950	19.7	4.1	--	23.8	--	49.6	69.3	45.5
1951	37.1	4.4	--	41.5	--	79.3	116.4	74.9
1952	30.2	5.7	--	35.9	--	84.3	114.5	78.6
1953	37.2	1.4	--	38.6	--	57.8	95.0	56.4
1954	35.4	0.6	--	36.0	--	79.4	114.8	78.8
1955	64.7	7.4	--	72.1	--	82.9	147.6	75.5
1956	94.0	9.0	--	103.0	--	101.2	195.2	92.2
1957	72.0	0.3	--	72.3	--	135.0	207.0	134.7
1958	85.6	4.7	--	90.3	--	101.9	187.5	97.2
1959	80.8	0.4	--	81.2	--	89.0	169.8	88.6
1960	57.4	0.3	--	57.7	--	85.2	142.6	84.9
1961	62.7	0.2	--	62.9	--	66.5	129.2	66.3
1962	30.5	1.2	--	31.7	--	77.5	108.0	76.3
1963	36.0	4.1	--	40.1	--	64.0	100.0	59.9
1964	10.6	6.9	--	17.5	5.9	80.5	97.0	73.6
1965	0.0	6.9	--	6.9	6.1	76.0	82.1	69.1
1966	0.0	1.1	--	1.1	2.8	72.0	74.8	70.9
1967	0.7	9.5	--	10.2	4.3	95.7	100.7	86.2
1968	1.4	2.1	--	3.5	5.1	82.9	89.4	80.8
1969	1.6	9.4	--	11.0	2.4	102.2	106.2	92.8
1970	3.1	4.0	--	7.1	4.3	65.5	72.9	61.5
1971	4.5	5.8	--	10.3	7.1	77.9	89.5	72.1
1972	3.2	4.4	--	7.6	3.5	70.8	77.5	66.4
1973	1.2	2.0	--	3.2	2.3	45.4	48.9	43.4
1974	0.0	0.1	--	0.1	0.0	34.0	34.0	33.9
1975	0.0	0.0	--	0.0	0.0	<44.4	<44.4	<44.4
1976	<0.1	<0.1	--	0.1	0.0	42.1	42.1	42.0
1977	0.2	<0.1	0.8	1.0	0.2	41.0	41.4	40.2
1978	0.2	0.1	0.8	1.1	0.4	43.0	43.6	42.1
1979	0.1	0.0	1.0	1.1	0.2	34.2	34.5	33.2

Table 33. Continued.

Year	Catch by Zone			1-6	L. Columbia Sport Catch (June-July)	Bonneville Count 2/	Upriver Run	Escape- ment
	1-5 Comm.	6						
		Comm.	C&S 1/					
1980	0.0	0.1	1.1	1.2	0.1	31.1	31.2	29.9
1981	0.0	<0.1	1.3	1.3	0.2	26.9	27.1	25.6
1982	0.0	<0.1	1.3	1.3	0.1	26.6	26.7	25.3
1983	0.0	0.0	0.3	0.3	0.2	23.5	23.7	23.2
1984	<0.1	0.1	0.3	0.4	0.3	28.4	28.7	28.0
1985	0.1	1.4	<0.1	1.5	0.3	29.9	30.3	28.5
1986	0.2	0.7	0.3	1.2	0.2	31.0	31.4	30.0
1987	0.5	1.4	0.3	2.2	0.1	37.7	38.3	36.0
1988	0.1	1.5	0.0	1.6	0.1	36.5	36.7	35.0
1989	0.0	0.0	0.1	0.1	0.1	33.0	33.1	32.9
1990	0.0	0.0	<0.1	<0.1	0.1	28.0	28.1	28.0
1991	0.0	0.0	0.1	0.1	0.1	22.0	22.1	21.9
1992	0.0	0.0	0.1	0.1	0.0	19.2	19.2	19.1
1993	0.0	0.0	0.4	0.4	0.0	23.6	23.6	23.2
1994	0.0	0.0	0.2	0.2	0.0	19.5	19.5	19.3
1995	0.0	0.0	0.4	0.4	0.0	17.1	17.1	16.7
1996	0.0	0.0	0.5	0.5	0.0	18.0	18.0	17.5
1997	0.0	0.0	0.3	0.3	0.0	29.9	29.9	29.6
1998	0.0	0.0	0.4	0.4	0.0	24.1	24.1	23.7
1999	0.1	0.0	0.4	0.5	0.0	30.2	30.3	29.9
2000	0.0	0.0	0.3	0.3	0.2	44.2	44.4	43.9
2001	0.1	0.1	0.7	0.9	0.3	90.9	91.3	90.1
2002	0.0	0.1	0.1	0.2	1.5	135.4	136.9	135.2

1/ Beginning in 1982, ceremonial and subsistence gill-net catch numbers include dip-net catch.

2/ Recorded count corrected for fallback in 1974, 1976, and 1978. Fallback occurred in 1975, but was not estimated.

Table 34. Estimated Numbers (in Thousands) of Upriver Summer Chinook Adults Entering the Columbia River and Escapement, 1960-2002.

Year	Catch by Zone				L. Columbia Sport Catch (June-July)	Bonneville Count 3/	Upriver Run	Escape- ment
	1-5	6		1-6				
	Comm.	Comm. 1/	C&S 2/					
1960	44.8	0.3	--	45.1	--	80.9	125.7	80.6
1961	47.7	0.2	--	47.9	--	59.7	107.4	59.5
1962	25.3	1.2	--	26.5	--	72.3	97.6	71.1
1963	24.1	4.1	--	28.2	--	56.8	80.9	52.7
1964	9.9	6.9	--	16.8	5.9	72.8	88.6	65.9
1965	0.0	6.9	--	6.9	6.1	63.5	69.6	56.6
1966	0.0	1.1	--	1.1	2.8	61.4	64.2	60.3
1967	0.4	9.5	--	9.9	4.3	81.1	85.8	71.6
1968	0.4	2.1	--	2.5	5.1	63.8	69.3	61.7
1969	0.8	8.1	--	8.9	0.7	88.7	90.2	80.6
1970	1.5	4.0	--	5.5	1.8	51.9	55.2	47.9
1971	2.3	5.2	--	7.5	3.3	66.3	71.9	61.1
1972	2.2	4.1	--	6.3	2.0	63.6	67.8	59.5
1973	0.8	1.8	--	2.6	1.5	35.3	37.6	33.5
1974	0.0	0.1	--	0.1	0.0	28.9	28.9	28.8
1975	0.0	0.0	--	0.0	0.0	<33.0	<33.0	<33.0
1976	<0.1	<0.1	--	0.1	0.0	26.7	26.7	26.6
1977	0.2	<0.1	0.8	1.0	0.0	34.1	34.3	33.3
1978	0.2	0.1	0.8	1.1	0.0	38.5	38.7	37.6
1979	0.1	0.0	1.0	1.1	0.0	27.7	27.8	26.7
1980	0.0	0.1	1.1	1.2	0.0	27.0	27.0	25.8
1981	0.0	<0.1	1.3	1.3	0.0	22.4	22.4	21.1
1982	0.0	0.0	1.3	1.3	0.0	20.1	20.1	18.8
1983	0.0	0.0	0.3	0.3	0.0	18.0	18.0	17.7
1984	0.0	0.0	0.3	0.3	0.0	22.4	22.4	22.1
1985	0.0	0.9	0.1	1.0	0.0	24.2	24.2	23.2
1986	0.0	0.2	0.3	0.5	0.0	26.2	26.2	25.7
1987	0.0	0.9	0.3	1.2	0.0	33.0	33.0	31.8
1988	0.0	1.1	0.0	1.1	0.0	31.3	31.3	30.2
1989	0.0	0.0	0.1	0.1	0.0	28.8	28.8	28.7
1990	0.0	0.0	<0.1	0.0	0.0	25.0	25.0	25.0
1991	0.0	0.0	0.1	0.1	0.0	18.9	18.9	18.8
1992	0.0	0.0	0.1	0.1	0.0	15.1	15.1	15.0
1993	0.0	0.0	0.4	0.4	0.0	22.0	22.0	21.6
1994	0.0	0.0	0.2	0.2	0.0	17.6	17.6	17.4
1995	0.0	0.0	0.4	0.4	0.0	15.0	15.0	14.6
1996	0.0	0.0	0.5	0.5	0.0	16.0	16.0	15.5
1997	0.0	0.0	0.3	0.3	0.0	27.9	27.9	27.6
1998	0.0	0.0	0.4	0.4	0.0	21.4	21.4	21.0
1999	0.0	0.0	0.4	0.4	0.0	26.2	26.2	25.8
2000	0.0	0.0	0.3	0.3	0.0	30.6	30.6	30.3
2001	0.1	0.1	0.7	0.9	0.0	76.2	76.3	75.4
2002	0.0	0.1	0.1	0.2	1.4	127.4	128.8	127.2

1/ A small number of jacks are included in Zone 6 catches, 1960-68.

2/ Beginning in 1982, ceremonial and subsistence gill-net catch numbers include dip-net catch.

3/ Recorded count corrected for fallback in 1974, 1976, and 1978. Fallback occurred in 1975, but was not estimated.

Table 35. Escapement Indices (in Thousands) for Upriver Summer Chinook Adults, 1960-2002.

Year	Upper Columbia Counts		Snake River Counts		
	Priest Rapids Dam	Washington Redds 1/	Ice Harbor Dam 2/	Uppermost Dam 3/	Idaho Redds 4/
1960	15.5	0.5	--	--	5.0
1961	12.8	1.0	--	--	2.7
1962	14.5	1.7	--	--	3.1
1963	12.1	1.4	--	--	2.3
1964	15.0	2.3	21.8	21.8	2.8
1965	14.5	1.4	10.8	10.8	1.5
1966	20.8	3.0	12.8	12.8	2.1
1967	16.9	2.6	25.0	25.0	2.2
1968	17.6	2.8	23.3	23.3	1.4
1969	13.1	1.9	28.4	26.3	1.4
1970	13.4	3.0	16.4	16.4	1.1
1971	15.5	2.2	23.5	21.4	1.3
1972	13.4	1.9	21.3	18.6	1.6
1973	12.2	1.7	12.0	10.9	1.4
1974	12.9	1.5	9.7	7.6	0.5
1975	18.9	1.8	7.2	7.6	0.5
1976	17.2	1.6	7.3	7.0	0.5
1977	16.3	2.1	9.5	7.7	0.7
1978	19.2	2.9	10.2	11.6	1.1
1979	20.3	2.6	1.7	2.7	0.2
1980	16.0	2.7	2.3	2.7	0.2
1981	11.6	1.8	3.3	3.3	0.4
1982	8.8	1.4	4.2	4.2	0.3
1983	8.5	0.9	4.3	3.9	0.5
1984	16.2	2.0	5.5	5.4	0.3
1985	15.9	1.7	4.1	5.1	0.6
1986	16.2	2.0	7.0	6.2	0.6
1987	14.1	2.6	6.6	5.9	1.3
1988	13.4	1.9	7.4	6.1	1.3
1989	19.7	2.3	3.5	3.2	0.5

Table 35. Continued.

Year	Upper Columbia Counts		Snake River Counts		
	Priest Rapids Dam	Washington Redds 1/	Ice Harbor Dam 2/	Uppermost Dam 3/	Idaho Redds 4/
1990	15.6	2.5	5.6	5.1	0.6
1991	14.8	2.1	4.7	3.8	0.7
1992	8.5	1.3	4.0	3.0	1.0
1993	16.4	1.9	6.8	7.9	1.3
1994	14.9	2.7	0.9	0.8	0.3
1995	12.2	2.0	0.7	0.7	0.0
1996	11.0	1.5	3.3	2.6	0.3
1997	13.1	2.3	9.2	10.7	0.9
1998	13.4	2.2	5.5	4.4	0.8
1999	20.9	4.3	3.9	3.3	0.4
2000	22.3	NA	4.2	3.9	1.0
2001	53.8	4.1	15.3	13.7	1.8
2002	96.3	14.0	26.6	22.2	1.7

1/ Aerial counts of redds (or equivalents) in the Wenatchee, Methow, Similkameen, and Okanogan rivers.

2/ Ice Harbor is the first Snake River Dam where fish passage is enumerated.

3/ Uppermost dam is Ice Harbor (1964-68), Lower Monumental (1969), Little Goose (1970-74), and Lower Granite thereafter.

4/ Idaho tributaries are Lower Salmon, Lower Valley, Lower East Fork, Loon Creek, South Fork Salmon, Johnson, and Secesh Lake Creek. NA denotes data not yet available.

Table 36. Estimated Numbers of Threatened Snake River Wild Summer Chinook Adults Entering the Columbia River and Escapement, 1979-2002. 1/

Year	Total Run Size 2/	Non-Indian Harvest 3/	Treaty Indian Harvest 4/	Bonn. thru Lower Granite Dam Passage Loss 5/	Lower Granite Dam Escapement
1979	2,813	23	76	0	2,714
1980	3,064	4	134	523	2,404
1981	4,337	4	264	1,330	2,739
1982	5,522	63	351	1,576	3,531
1983	5,078	52	83	1,725	3,219
1984	4,678	9	95	345	4,229
1985	2,853	8	149	0	2,696
1986	3,478	29	147	618	2,684
1987	3,326	29	169	1,273	1,855
1988	3,306	18	157	1,323	1,807
1989	3,124	4	11	0	2,299
1990	4,359	7	19	991	3,342
1991	3,550	4	33	546	2,967
1992	533	3	2	88	441
1993	4,169	29	58	0	4,082
1994	246	1	3	60	183
1995	498	1	14	140	343
1996	2,717	12	83	706	1,916
1997	5,533	7	62	327	5,137
1998	4,166	7	72	1,175	2,913
1999	2,004	5	33	383	1,584
2000	4,094	3	24	0	4,067
2001	12,566	19	71	0	12,475
2002	4,433	12	81	789	3,552

1/ Listed as threatened under the Endangered Species Act, May 1992.

2/ Developed by the U.S. v. Oregon Technical Advisory Committee using run reconstruction technique.

3/ Includes commercial and sport fisheries' catches and catch and release mortalities.

4/ Includes commercial, ceremonial, and subsistence fisheries' catches.

5/ Zero passage loss is likely an artifact of the run reconstruction technique which applies definitive cut-off dates at Columbia and Snake River dams for separating spring, summer, and fall chinook.

Table 37. Columbia River Upriver Summer Chinook Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	2,157.4	107.9	29.7	3.4	2,187.1	111.3
1939	3,368.8	168.4	33.8	3.9	3,402.6	172.3
1940	1,814.2	90.7	54.1	6.2	1,868.3	96.9
1941	1,801.3	90.1	143.6	16.5	1,944.9	106.6
1942	1,404.6	70.2	47.3	5.4	1,451.9	75.6
1943	870.9	43.5	17.0	2.0	887.9	45.5
1944	1,089.7	54.5	75.0	8.6	1,164.7	63.1
1945	500.5	25.0	13.9	1.6	514.4	26.6
1946	416.6	20.8	39.8	4.6	456.4	25.4
1947	948.1	47.4	40.6	4.7	988.7	52.1
1948	393.2	19.7	245.6	28.2	638.8	47.9
1949	221.0	11.1	78.2	9.0	299.2	20.1
1950	394.9	19.7	35.9	4.1	430.8	23.8
1951	586.8	37.1	43.1	4.4	629.9	41.5
1952	549.2	30.2	56.3	5.7	605.5	35.9
1953	606.3	37.2	14.0	1.4	620.3	38.6
1954	521.5	35.4	5.5	0.6	527.0	36.0
1955	971.8	64.7	73.0	7.4	1,044.8	72.1
1956	1,505.9	94.0	100.6	9.0	1,606.5	103.0
1957	1,263.7	72.0	3.2	0.3	1,266.9	72.3
1958	1,367.0	85.6	45.7	4.7	1,412.7	90.3
1959	1,209.0	80.8	3.8	0.4	1,212.8	81.2
1960	773.1	57.4	2.5	0.3	775.6	57.7
1961	889.0	62.7	1.6	0.2	890.6	62.9
1962	513.9	30.5	12.4	1.2	526.3	31.7
1963	517.0	36.0	40.6	4.1	557.6	40.1
1964	173.4	10.6	89.9	6.9	263.3	17.5
1965	0.0	0.0	110.8	6.9	110.8	6.9
1966	0.0	0.0	18.3	1.1	18.3	1.1
1967	9.7	0.7	160.5	9.5	170.2	10.2
1968	9.8	1.4	21.0	2.1	30.8	3.5
1969	17.2	1.6	130.5	9.4	147.7	11.0
1970	33.7	3.1	56.3	4.0	90.0	7.1
1971	52.6	4.5	85.2	5.8	137.8	10.3
1972	42.4	3.2	69.4	4.4	111.8	7.6
1973	16.9	1.2	34.1	2.0	51.0	3.2
1974	0.0	0.0	2.0	0.1	2.0	0.1

Table 37. Continued.

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	0.0	0.0	0.0	0.0	0.0	0.0
1976	0.9	<0.1	0.6	<0.1	1.5	0.1
1977	2.4	0.2	0.5	<0.1	2.9	0.2
1978	5.0	0.2	1.5	0.1	6.5	0.3
1979	1.1	0.1	0.1	0.0	1.2	0.1
1980	0.0	0.0	1.0	0.1	1.0	0.1
1981	0.0	0.0	0.3	<0.1	0.3	<0.1
1982	0.0	0.0	0.7	<0.1	0.7	<0.1
1983	0.0	0.0	0.0	0.0	0.0	0.0
1984	<0.1	<0.1	0.5	0.1	0.5	0.1
1985	0.3	0.1	13.7	1.4	14.0	1.5
1986	2.1	0.2	7.2	0.7	9.3	0.9
1987	2.2	0.5	18.4	1.4	20.6	1.9
1988	0.6	0.1	22.8	1.5	23.4	1.6
1989	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	0.0	0.0	0.0
1991	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	1.3	<0.1	1.3	<0.1

Table 38. Estimated Numbers (in Thousands) of Upriver Fall Chinook, Including Jacks, Entering the Columbia River and Escapement, 1938-2002.

Year	Commercial Catch by Zone			L. Columbia Sport Catch 3/	Bonneville Dam		Upriver Run 5/	Escapement 6/
	1-5 1/	6 2/	1-6		Count	Trap 4/		
1938	281.5	77.2	358.7	--	234.7	0.0	516.2	157.5
1939	293.8	59.1	352.9	--	186.1	0.0	479.9	127.0
1940	254.6	103.2	357.8	--	303.2	0.0	557.8	200.0
1941	305.2	187.8	493.0	--	372.7	0.0	677.9	184.9
1942	290.6	162.7	453.3	--	336.8	0.0	627.4	174.1
1943	213.1	93.5	306.6	--	234.1	0.0	447.2	140.6
1944	398.5	79.2	477.7	--	197.3	0.0	595.8	118.1
1945	339.5	59.3	398.8	--	226.4	0.0	565.9	167.1
1946	342.2	124.6	466.8	--	327.3	0.0	669.5	202.7
1947	452.7	156.3	609.0	--	308.0	0.0	760.7	151.7
1948	370.9	149.9	520.8	--	310.6	0.0	681.5	160.7
1949	265.5	69.5	335.0	--	180.9	0.0	446.4	111.4
1950	218.1	95.8	313.9	--	250.5	0.0	468.6	154.7
1951	195.1	57.1	252.2	--	137.6	0.0	332.7	80.5
1952	21.9	77.2	99.1	--	220.4	0.0	242.3	143.2
1953	108.6	49.3	157.9	--	104.4	0.0	213.0	55.1
1954	85.4	44.0	129.4	--	106.8	0.0	192.2	62.8
1955	126.6	29.7	156.3	--	105.3	0.0	231.9	75.6
1956	162.2	38.2	200.4	--	136.3	0.0	298.5	98.1
1957	120.4	2.2	122.6	--	131.8	0.0	252.2	129.6
1958	78.9	3.5	82.4	--	249.3	0.0	328.2	245.8
1959	78.9	1.2	80.1	--	194.9	0.0	273.8	193.7
1960	128.7	1.6	130.3	--	101.3	0.0	230.0	99.7
1961	89.6	5.7	95.3	--	116.8	0.0	206.4	111.1
1962	127.2	5.0	132.2	--	118.0	0.0	245.2	113.0
1963	67.6	23.5	91.1	--	139.1	0.0	206.7	115.6
1964	107.3	24.5	131.8	--	172.5	0.0	279.8	148.0
1965	146.2	29.0	175.2	--	157.7	0.0	303.9	128.7
1966	112.4	9.0	121.4	--	155.4	0.0	267.8	146.4
1967	121.9	42.9	164.8	--	185.6	0.0	307.5	142.7
1968	50.6	29.1	79.7	--	159.2	0.0	209.8	130.1
1969	108.0	48.3	156.3	0.7	231.8	0.0	340.5	183.5
1970	149.6	39.1	188.7	0.8	208.9	0.0	359.3	169.8
1971	93.8	56.5	150.3	0.2	202.3	0.0	296.3	145.8
1972	96.3	42.9	139.2	1.0	137.5	0.0	234.8	94.6
1973	105.4	67.9	173.3	1.1	211.2	0.0	317.7	143.3
1974	52.2	54.9	107.1	0.8	186.3	0.0	239.3	131.4
1975	95.9	140.6	236.5	0.7	277.1	0.0	373.7	136.5
1976	33.4	135.0	168.4	0.7	325.3	0.0	359.4	190.3
1977	69.2	55.2	124.4	0.3	206.1	0.6	276.2	150.9
1978	39.7	63.0	102.7	0.6	200.4	0.7	241.4	137.4
1979	28.4	62.4	90.8	0.9	190.7	0.7	220.7	128.3

Table 38 Continued.

Year	Commercial Catch by Zone			L. Columbia Sport Catch 3/	Bonneville Dam		Upriver Run 5/	Escape- ment 6/
	1-5 1/	6 2/	1-6		Count	Trap 4/		
1980	38.4	33.9	72.3	0.8	153.4	1.4	194.0	119.5
1981	6.7	54.9	61.5	0.6	193.7	0.7	201.7	138.9
1982	40.6	54.9	95.5	0.5	220.2	2.4	263.7	165.3
1983	8.1	24.5	32.6	0.8	164.2	3.5	176.6	139.7
1984	30.0	53.3	83.3	5.7	244.9	3.7	284.3	191.6
1985	35.8	75.5	111.3	6.4	343.0	2.9	388.1	267.5
1986	67.5	106.6	174.1	9.4	416.8	4.7	498.4	310.2
1987	117.0	139.6	256.6	14.4	408.0	2.3	541.7	268.4
1988	96.9	147.8	244.7	13.0	362.8	2.9	475.6	215.0
1989	55.2	128.8	183.9	9.7	295.9	1.6	362.4	167.2
1990	24.8	84.4	109.2	1.6	216.7	3.4	246.5	132.3
1991	19.9	52.2	72.1	5.2	191.4	0.7	217.2	139.2
1992	7.0	29.0	36.0	3.7	146.5	0.0	157.2	117.5
1993	6.3	31.5	37.8	3.7	141.9	1.2	153.1	110.4
1994	0.0	29.9	30.0	0.1	203.4	1.9	205.4	173.4
1995	0.1	31.5	31.6	1.9	210.4	0.0	212.4	178.9
1996	6.4	42.4	48.8	5.7	222.5	0.0	234.5	180.0
1997	1.7	40.9	42.6	12.4	238.2	0.0	252.3	197.3
1998	1.4	28.7	30.1	10.6	217.4	1.2	230.6	188.7
1999	2.8	45.2	48.0	13.3	265.6	0.0	281.7	220.4
2000	7.8	52.0	59.8	10.2	248.3	0.0	266.3	196.3
2001	13.5	111.8	125.3	9.5	475.0	0.0	498.0	363.2
2002	19.2	130.1	149.3	21.4	513.9	0.0	554.5	383.8

1/ Catch listed for Zones 1-5 based on timing of catch (August) during 1938-79 and CWT recoveries beginning in 1980.

Zones 1-5 includes Youngs Bay, 1963-present; Big Creek, 1983, 1987-88 and 1996-97; Tongue Pt., 1996-2002; Blind Slough, 1996-2002; Washington terminal, 1980-82; Steamboat Slough, 2000,2002; and Deep River, 1996-97 and 1999-2002 landings. Includes BPH, URB, and PUB stock fish.

2/ Total Zone 6 catch which includes Klickitat dip-net-caught fish sold during open main-stem seasons and may also include some stray stocks.

3/ Statistical sampling program for lower Columbia sport fishery began in 1969 and catches during 1969-79 occurred in August. Beginning in 1980, catch based on CWT recoveries. Beginning in 1982, lower Columbia sport catch includes catches made in estuary recreational (Buoy 10) fishery.

4/ Bright adults were trapped for egg bank programs from 1977-87 and tules were trapped for Spring Creek Hatchery brood stock from 1986-91, 1993 and 1998, and for lower river hatchery use in 1994. May include some stray stocks.

5/ Includes non-upriver stocks that stray above Bonneville Dam. Does not include upriver stocks that stray to escapement areas below Bonneville Dam. The upriver run is the Zones 1-5 commercial catch, sport catch, Bonneville Dam count, and trap numbers combined.

6/ The escapement is the upriver run minus the commercial catch, sport catch, and Bonneville Dam trap numbers.

Table 39. Estimated Numbers (in Thousands) of Upriver Fall Chinook Adults Entering the Columbia River and Escapement, 1970-2002.

Year	Commercial Catch by Zone			L. Columbia Sport Catch 3/	Bonneville Dam		Upriver Run 5/	Escapement 6/
	1-5 1/	6 2/	1-6		Count	Trap 4/		
1970	142.1	34.8	176.9	0.2	159.7	0.0	302.0	124.9
1971	91.9	50.9	142.8	0.0	152.9	0.0	244.8	102.0
1972	94.4	39.0	133.4	0.3	94.2	0.0	188.9	55.2
1973	101.2	57.0	158.2	0.4	148.1	0.0	249.7	91.1
1974	51.7	51.1	102.8	0.4	125.2	0.0	177.3	74.1
1975	92.1	122.3	214.4	0.2	219.5	0.0	311.8	97.2
1976	31.7	121.5	153.2	0.4	228.7	0.0	260.8	107.2
1977	67.0	46.3	113.3	0.1	132.0	0.6	199.7	85.7
1978	38.9	56.2	95.1	0.2	144.9	0.7	184.7	88.7
1979	28.1	59.9	88.0	0.3	144.0	0.7	173.1	84.1
1980	36.8	32.6	69.4	0.5	127.7	1.4	166.4	95.1
1981	5.8	48.9	54.8	0.6	147.1	0.6	154.1	98.1
1982	40.3	53.6	93.8	0.5	157.8	2.4	201.0	104.3
1983	7.9	22.8	30.7	0.5	113.3	3.5	125.2	90.5
1984	29.6	50.9	80.5	4.9	147.3	3.7	185.5	96.4
1985	34.5	68.3	102.8	2.5	189.0	2.9	228.9	120.7
1986	64.3	102.3	166.6	6.2	226.4	4.7	301.6	124.1
1987	116.3	138.6	254.9	13.6	337.0	2.3	469.2	198.4
1988	96.2	145.7	241.9	11.5	290.0	2.6	400.3	144.3
1989	54.9	128.2	183.1	8.8	263.1	1.5	328.3	134.9
1990	24.5	79.3	103.8	1.4	177.4	3.3	206.6	98.1
1991	19.1	51.1	70.2	5.0	150.2	0.7	175.0	99.1
1992	6.6	28.1	34.8	3.0	116.2	0.0	125.8	88.0
1993	6.2	30.4	36.7	3.0	126.5	1.1	136.8	96.0
1994	0.0	27.9	27.9	0.1	170.4	1.9	172.4	142.5
1995	0.1	29.5	29.6	1.6	164.2	0.0	165.9	134.7
1996	6.3	41.7	48.1	5.5	205.4	0.0	217.2	163.6
1997	1.7	40.5	42.1	11.9	214.7	0.0	228.3	174.3
1998	1.4	25.2	26.6	9.7	181.9	1.2	194.2	156.7
1999	2.7	43.9	46.6	13.1	242.1	0.0	257.9	198.2
2000	7.6	50.2	57.8	8.1	189.6	0.0	205.3	139.4
2001	12.8	60.2	73.0	8.2	387.7	0.0	408.7	327.5
2002	18.9	88.6	107.5	20.2	470.6	0.0	509.7	382.0

1/ Catch listed for Zones 1-5 based on timing of catch (August) during 1970-79 and CWT recoveries beginning in 1980. Zones 1-5 includes Youngs Bay, 1970-present; Big Creek, 1983, 1987-88 and 1996-97; Tongue Pt., 1996-2002; Blind Slough, 1996-2002; Washington terminal, 1980-82; Steamboat Slough, 2000,2002; and Deep River, 1996-97 and 1999-2002 landings. Includes BPH, URB, and PUB stock fish.

2/ Total Zone 6 catch which may include some stray stocks.

3/ Lower Columbia sport catch during 1970-79 occurred in August. Beginning in 1980, catch based on CWT recoveries. Beginning in 1982, lower Columbia sport catch includes estuary recreational (Buoy 10) fishery.

4/ Bright adults were trapped for egg bank programs from 1977-87 and tules were trapped for Spring Creek Hatchery brood stock from 1986-91, 1993, and 1998 and for lower river hatcheries use in 1994. May include some stray stocks.

5/ Includes non-upriver stocks that stray above Bonneville Dam. Does not include upriver stocks that stray to escapement areas below Bonneville Dam. The upriver run is the Zones 1-5 commercial catch, sport catch, Bonneville Dam count, and trap numbers combined.

6/ The escapement is the upriver run minus the commercial catch, sport catch, and Bonneville Dam trap numbers.

Table 40. Escapement Indices (in Thousands) for Upriver Fall Chinook Adults, 1960-2002.

Year	Bonn. Pool Hatchery		Natural Spawning Counts			
	Tule Returns 1/	McNary Dam	Snake River		Upper Columbia River	
			Ice Harbor Dam 2/	Uppermost Dam 3/	Priest Rapids Dam	Hanford Redds
1960	--	36.6	--	--	9.7	0.3
1961	20.6	29.6	--	--	8.2	0.9
1962	23.5	36.2	--	--	10.3	1.3
1963	24.3	27.1	--	--	4.4	1.3
1964	29.9	40.4	9.1	9.1	8.2	1.5
1965	11.3	41.1	8.2	8.2	9.3	1.8
1966	32.4	51.1	12.8	12.8	10.3	3.1
1967	14.5	42.9	14.0	14.0	7.6	3.3
1968	15.2	49.2	19.5	19.5	7.9	3.6
1969	19.5	55.4	13.6	6.2	6.3	4.3
1970	10.4	43.2	9.0	4.5	6.7	3.8
1971	12.8	49.0	9.3	4.7	8.5	3.6
1972	8.9	37.6	7.5	1.8	4.7	0.9
1973	17.2	46.6	6.7	2.4	4.9	3.0
1974	11.2	34.6	2.4	0.9	5.0	0.7
1975	35.0	29.6	1.9	1.0	4.3	2.7
1976	25.7	28.8	1.1	0.5	5.5	2.0
1977	21.5	37.6	1.2	0.6	4.1	3.3
1978	18.0	27.9	1.1	0.6	4.8	3.1
1979	18.8	31.2	1.2	0.5	4.9	3.0
1980	27.0	29.4	1.1	0.5	6.0	1.5
1981	25.1	21.0	0.8	0.3	3.8	4.9
1982	29.4	31.1	1.6	0.7	8.5	5.0
1983	10.1	48.6	1.8	0.5	7.9	5.3
1984	9.6	60.8	1.6	0.6	7.8	7.3
1985	5.6	93.3	2.0	0.7	11.0	7.6
1986	4.1	113.3	3.1	0.8	18.8	8.3
1987	2.7	154.1	6.8	0.9	34.0	8.6
1988	3.7	114.7	3.8	0.6	21.3	8.5
1989	4.3	96.5	4.6	0.7	14.6	8.8
1990	8.2	57.6	3.5	0.4	6.0	6.5
1991	12.4	46.6	4.5	0.6	4.6	4.9
1992	8.8	51.2	4.6	0.9	4.3	4.9
1993	7.9	54.9	2.8	1.2	7.1	2.9
1994	10.3	85.9	2.1	0.8	11.7	5.6
1995	9.1	68.6	2.7	1.1	13.2	3.1
1996	7.7	73.9	3.8	1.3	12.5	7.6
1997	8.7	67.2	2.8	1.5	11.1	7.6
1998	4.4	63.8	4.2	1.9	9.7	5.4
1999	14.5	78.4	6.5	3.4	29.5	6.1
2000	6.3	67.6	6.5	3.7	38.8	5.5
2001	36.7	110.5	13.6	8.9	24.2	6.2
2002	67.4	141.7	15.3	12.4	26.8	8.0

1/ Beginning in 1980, BPH hatchery escapement based on CWT recoveries. Beginning in 1986, includes BPH stock fish trapped at Bonneville Dam.

2/ Ice Harbor is the first Snake River Dam where fish passage is enumerated.

3/ Uppermost dam is Ice Harbor (1964-68), Lower Monumental (1969), Little Goose (1970-74), and Lower Granite thereafter.

Table 41. Stock Accountability (in Thousands) of Bonneville Pool Hatchery Fall Chinook Adults Entering the Columbia River, 1980-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Natural Spawning Escapement 3/	Total Run Size 4/
	1-5 1/	6	1-6	Col. R. 2/	Tributary		
1980	31.8	23.4	55.1	0.1	0.0	37.7	97.8
1981	3.4	33.1	36.5	0.0	0.0	33.9	86.3
1982	35.7	48.9	84.6	0.3	0.0	35.7	120.7
1983	3.6	7.9	11.5	0.1	0.0	11.7	28.9
1984	5.9	19.2	25.1	2.3	0.0	11.5	47.5
1985	0.1	12.7	12.8	0.2	0.0	9.1	33.2
1986	4.1	5.7	9.8	0.4	0.0	6.3	16.6
1987	1.6	1.7	3.3	1.2	0.0	4.5	9.1
1988	3.2	2.9	6.1	0.3	0.0	5.6	12.0
1989	4.6	12.7	17.2	1.6	0.2	7.7	26.8
1990	1.1	7.4	8.5	0.4	0.0	9.8	18.9
1991	4.3	21.0	25.3	3.2	0.1	16.2	52.4
1992	1.0	9.3	10.3	1.4	0.1	12.2	29.5
1993	0.9	5.1	6.0	0.9	0.1	9.8	16.8
1994	0.0	3.8	3.8	0.0	0.2	13.0	18.5
1995	0.0	15.1	15.1	0.2	0.2	11.9	33.8
1996	1.7	19.0	20.8	0.8	0.1	9.4	33.1
1997	0.0	9.7	9.7	2.6	0.4	13.3	27.4
1998	0.2	5.9	6.1	2.4	0.1	7.1	20.2
1999	0.3	24.5	24.7	2.2	0.4	17.8	50.2
2000	1.1	7.9	9.4	0.4	0.5	10.3	20.5
2001	3.7	33.8	37.5	3.2	0.1	41.7	125.0
2002	11.5	44.6	56.1	5.8	0.9	75.5	160.8

1/ Includes terminal and select area fisheries.

2/ Includes mainstem sport catch below and above Bonneville Dam. Beginning in 1982, includes catches from the estuary recreational (Buoy 10) fishery.

3/ Includes BPH stock fish trapped at Bonneville Dam for Spring Creek Hatchery, 1986-91, 1993, and 1998 and lower river hatcheries use in 1994. Also includes fish that strayed to Bonneville Hatchery and other escapement areas downstream from Bonneville Dam.

4/ Includes escapement and state conducted test, Treaty Indian subsistence, and all other fisheries. May also include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement.

Table 42: Stock Accountability (in Thousands) of Upriver Bright Fall Chinook Adults Entering the Columbia River, 1980-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Natural Spawning Escapement 3/	Total Run Size 4/
	1-5 1/	6	1-6	Col. R. 2/	Tributary		
1980	5.1	9.0	14.0	0.9	0.0	31.0	76.8
1981	2.4	13.4	15.9	0.7	0.0	26.9	66.6
1982	4.5	2.8	7.4	0.2	0.0	39.8	79.0
1983	4.3	12.2	16.5	0.4	0.3	57.8	86.1
1984	23.7	29.0	52.8	4.2	0.2	64.9	131.4
1985	34.5	54.3	88.8	8.9	0.2	93.6	196.4
1986	58.9	90.1	149.1	10.8	0.2	115.6	281.5
1987	104.3	120.1	224.4	17.6	0.5	151.9	420.6
1988	79.9	119.4	199.3	16.1	0.4	110.4	340.0
1989	42.8	94.1	136.9	12.6	0.3	90.7	261.1
1990	20.8	56.7	77.4	4.8	0.2	53.6	153.4
1991	13.7	23.8	37.5	5.9	0.1	42.5	102.7
1992	5.6	13.4	19.0	4.0	0.0	47.9	81.0
1993	5.3	18.7	24.0	5.3	0.0	59.7	102.9
1994	0.0	20.2	20.2	4.8	0.0	82.8	132.8
1995	0.0	10.5	10.5	5.4	0.0	68.7	106.5
1996	3.7	15.6	19.3	8.9	0.0	75.5	143.2
1997	1.4	24.2	25.6	11.5	0.0	82.0	161.7
1998	0.8	16.6	17.4	8.0	0.2	73.1	141.6
1999	2.1	15.7	17.8	15.2	0.0	78.6	165.9
2000	5.6	22.4	28.0	10.2	0.1	77.4	156.6
2001	8.2	18.5	26.7	11.9	0.0	113.3	232.4
2002	6.9	30.6	37.5	23.1	0.3	140.7	276.9

1/ Includes terminal and select area fisheries.

2/ Includes mainstem sport catch below and above Bonneville Dam. Beginning in 1982, includes catches from the estuary recreational (Buoy 10) fishery.

3/ Includes URB stock fish trapped at Bonneville Dam, 1982-87. Also includes fish that strayed to escapement areas downstream from McNary Dam (not including the Deschutes River in Oregon).

4/ Includes escapement and state conducted test, treaty Indian subsistence, and all other fisheries. May also include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement.

Table 43. Stock Accountability (in Thousands) of Mid-Columbia Bright Fall Chinook Adults Entering the Columbia River, 1980-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Natural Spawning Escapement 3/	Total Run Size 4/
	1-5 1/	6	1-6	Col. R. 2/	Tributary		
1980	0.3	0.0	0.3	0.0	0.0	0.0	0.3
1981	0.3	1.3	1.6	0.0	0.0	2.8	4.4
1982	0.7	0.9	1.6	0.0	0.0	3.6	8.8
1983	1.1	1.9	3.1	0.1	0.0	6.1	14.4
1984	3.2	1.3	4.5	0.2	0.0	3.5	11.8
1985	1.7	1.1	2.8	0.1	0.0	2.8	6.1
1986	6.5	5.7	12.2	0.4	0.0	4.5	17.4
1987	24.4	15.7	40.1	1.4	0.0	13.5	57.0
1988	37.9	21.1	59.0	2.8	0.0	14.6	78.0
1989	46.2	21.1	67.3	3.5	0.2	19.4	93.3
1990	17.7	14.8	32.5	2.9	0.2	19.9	59.1
1991	9.1	5.6	14.7	0.9	0.2	15.9	35.9
1992	5.5	4.9	10.5	1.6	0.2	16.4	31.1
1993	4.8	6.2	11.1	1.1	0.3	12.2	27.4
1994	1.2	3.7	4.9	0.3	0.6	23.6	33.7
1995	0.1	3.5	3.5	1.9	0.9	21.7	34.1
1996	5.3	6.7	12.0	2.0	1.3	31.5	59.7
1997	3.3	6.5	9.8	4.8	1.7	31.7	58.9
1998	1.1	2.6	3.7	3.7	2.0	19.8	37.3
1999	1.5	3.7	5.2	4.6	1.3	24.5	50.8
2000	3.7	6.4	10.1	2.4	1.1	18.0	37.2
2001	7.0	7.8	14.8	7.7	1.7	28.3	76.6
2002	9.4	12.8	22.2	10.3	2.5	49.0	108.4

1/ Includes terminal and select area fisheries.

2/ Includes mainstem sport catch below and above Bonneville Dam and catches from the estuary recreational (Buoy 10) fishery.

3/ Includes BUB stock fish that strayed to escapement areas upstream of Bonneville Dam.

4/ Includes escapement and state conducted test, treaty Indian subsistence, and all other fisheries. May also include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement.

Table 44. Stock Accountability (in Thousands) of Snake River Bright Fall Chinook Adults Entering the Columbia River, 1986-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Spawning Escapement 4/	Total Run Size 5/
	1-5 1/	6 2/	1-6	Col. R. 3/	Tributary		
1986	1.6	0.8	2.4	0.2	0.0	2.1	5.7
1987	3.5	5.1	8.6	0.4	0.0	4.2	16.1
1988	1.0	2.3	3.3	0.3	0.0	3.2	7.0
1989	0.4	1.5	1.9	0.2	0.0	2.5	4.9
1990	0.3	1.9	2.2	0.1	0.0	2.3	5.1
1991	0.9	1.4	2.4	0.1	0.0	3.3	6.6
1992	0.1	0.6	0.7	0.2	0.0	3.8	5.3
1993	0.1	1.0	1.1	0.0	0.0	2.7	4.4
1994	0.0	0.4	0.4	0.0	0.0	1.6	2.2
1995	0.0	0.3	0.3	0.0	0.0	2.1	2.8
1996	0.1	0.8	0.9	0.1	0.0	3.4	5.5
1997	0.1	1.4	1.5	0.2	0.0	2.6	5.2
1998	0.0	1.5	1.5	0.4	0.0	5.7	10.2
1999	0.3	4.5	4.8	1.0	0.0	7.1	15.6
2000	0.5	1.3	1.8	0.6	0.0	7.7	12.8
2001 6/	NA	NA	NA	NA	NA	NA	NA
2002 6/	NA	NA	NA	NA	NA	NA	NA

1/ Includes terminal and select area fisheries.

2/ Includes treaty Indian subsistence catches.

3/ Includes mainstem sport catch below and above Bonneville Dam and catches from the estuary recreational (Buoy 10) fishery.

4/ Includes voluntary returns to Lyons Ferry Hatchery, hatchery brood stock trapped at Ice Harbor (thru 1993) and Lower Granite dams (1990-present), escapement into the Palouse and Tucannon rivers, and escapement over Lower Granite Dam.

5/ Includes escapement and state conducted test, treaty Indian subsistence, and all other fisheries. May also include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement. Developed by the U.S. v. Oregon Technical Advisory Committee from Washington Department of Fish and Wildlife's database.

6/ Data for 2001 and 2002 were not available (NA) at the time of this printing.

Table 45. Estimated Numbers of Threatened Snake River Wild Fall Chinook Adults Entering the Columbia River and Escapement, 1986-2002. 1/

Year	Total Run Size 2/	Non-Indian Harvest 3/	Treaty Indian Harvest 4/	Bonn. to Lower Granite Dam Passage Loss 5/	Trapped at Ice Harbor Dam 6/	Lower Granite Dam Escapement
1986	3,440	812	1,141	951	87	449
1987	2,295	636	673	554	179	253
1988	4,811	1,290	1,775	973	405	368
1989	2,527	489	956	567	220	295
1990	665	96	258	162	71	78
1991	2,261	362	545	1,036	0	318
1992	1,555	143	267	596	0	549
1993	1,620	130	320	428	0	742
1994	1,055	1	191	457	0	406
1995	1,223	18	214	641	0	350
1996	1,957	108	408	802	0	639
1997	2,048	119	540	592	0	797
1998	864	29	200	328	0	306
1999	2,739	200	631	1,003	0	905
2000	1,977	144	422	555	0	857
2001 7/	NA	NA	NA	NA	NA	NA
2002 7/	NA	NA	NA	NA	NA	NA

1/ Listed as threatened under the Endangered Species Act, May 1992.

2/ Developed by the U.S. v. Oregon Technical Advisory Committee from Washington Department of Fish and Wildlife's database.

3/ Includes commercial, sport, and state conducted test fisheries' catches.

4/ Includes commercial, ceremonial, and subsistence fisheries' catches.

5/ May include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement.

6/ From 1991-93, only marked hatchery fish were trapped. No fish have been trapped since 1993.

7/ Data for 2001 and 2002 were not available (NA) at the time of this printing.

Table 46. Columbia River Fall Season Chinook Commercial Landings (in Thousands), August-December 1938-2002. 1/

Year	Zones 1-5 2/		Zone 6 3/		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	6,948.9	347.5	1,543.4	77.2	8,492.3	424.7
1939	7,285.0	364.2	1,182.1	59.1	8,467.1	423.3
1940	8,792.7	439.7	2,063.0	103.2	10,855.7	542.9
1941	16,060.8	803.0	3,756.1	187.8	19,816.9	990.8
1942	12,843.8	642.2	3,254.3	162.7	16,098.1	804.9
1943	7,336.2	366.8	1,869.4	93.5	9,205.6	460.3
1944	10,250.0	512.5	1,583.1	79.2	11,833.1	591.7
1945	9,705.1	485.3	1,185.9	59.3	10,891.0	544.6
1946	10,093.2	504.6	2,491.4	124.6	12,584.6	629.2
1947	11,912.4	595.6	3,125.9	156.3	15,038.3	751.9
1948	11,772.1	588.6	2,998.0	149.9	14,770.1	738.5
1949	7,393.7	369.6	1,389.4	69.5	8,783.1	439.1
1950	6,761.2	338.1	1,915.8	95.8	8,677.0	433.9
1951	6,270.3	248.0	1,148.0	57.1	7,418.3	305.1
1952	2,346.5	102.6	1,402.8	77.2	3,749.3	179.8
1953	3,695.5	152.9	866.7	49.3	4,562.2	202.2
1954	2,858.6	125.1	530.5	44.0	3,389.1	169.1
1955	3,667.8	176.2	398.8	29.7	4,066.6	205.9
1956	3,543.0	176.4	487.7	38.2	4,030.7	214.6
1957	2,782.8	144.8	36.1	2.2	2,818.9	147.0
1958	2,672.0	143.9	55.4	3.5	2,727.4	147.4
1959	2,028.1	101.1	19.2	1.2	2,047.3	102.3
1960	2,171.3	136.8	25.7	1.6	2,197.0	138.4
1961	2,067.1	115.7	92.3	5.7	2,159.4	121.4
1962	3,156.8	158.9	80.4	5.0	3,237.2	163.9
1963	1,959.2	99.0	375.6	23.5	2,334.8	122.5
1964	2,671.4	154.5	396.2	24.5	3,067.6	179.0
1965	4,037.4	203.3	490.5	29.0	4,527.9	232.3
1966	2,747.8	146.2	153.4	9.0	2,901.2	155.2
1967	3,284.6	158.8	687.5	42.9	3,972.1	201.7
1968	2,906.2	149.6	501.1	29.1	3,407.3	178.7
1969	3,711.9	186.3	818.3	48.3	4,530.2	234.6
1970	4,671.8	252.4	690.4	39.1	5,362.2	291.5
1971	4,072.0	215.9	953.6	56.5	5,025.6	272.4
1972	2,892.9	139.7	634.5	42.9	3,527.4	182.6
1973	5,552.3	270.7	1,148.3	67.9	6,700.6	338.6
1974	1,974.0	96.9	980.1	55.0	2,954.1	151.9

Table 46. Continued

Year	Zones 1-5 2/		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	3,735.9	173.3	2,665.6	140.5	6,401.5	313.8
1976	2,926.3	148.2	2,555.0	135.0	5,481.3	283.2
1977	3,252.7	167.1	941.8	55.2	4,194.5	222.3
1978	2,164.1	110.1	1,183.6	62.1	3,347.7	172.2
1979	1,920.3	102.5	1,182.1	62.4	3,102.4	164.9
1980	2,335.2	116.0	729.0	33.9	3,064.2	149.9
1981	624.8	31.4	950.8	54.8	1,575.6	86.2
1982	1,830.9	92.4	1,055.0	54.4	2,885.9	146.8
1983	473.4	25.6	413.7	24.5	887.1	50.1
1984	1,028.9	64.8	855.8	53.3	1,884.7	118.1
1985	1,028.8	61.7	1,332.4	75.4	2,361.2	137.1
1986	2,550.7	166.1	1,972.1	106.0	4,522.8	272.1
1987	5,970.9	330.9	2,773.4	138.9	8,744.3	469.8
1988	6,863.4	323.7	3,264.0	145.2	10,127.4	468.9
1989	2,966.0	132.9	2,861.1	128.0	5,827.1	260.9
1990	956.4	45.9	1,795.0	83.8	2,751.4	129.7
1991	738.7	43.1	999.7	51.2	1,738.4	94.3
1992	322.0	18.6	524.9	29.2	846.9	47.8
1993	295.1	17.3	540.8	31.1	835.9	48.4
1994	25.6	1.8	540.2	29.7	565.8	31.5
1995	8.5	0.9	594.5	31.4	603.0	32.2
1996	271.5	17.0	729.0	41.7	1,000.5	58.7
1997	162.8	9.2	737.8	39.6	900.6	48.8
1998	78.1	4.3	550.1	31.3	628.2	35.6
1999	117.0	8.1	739.6	43.8	856.6	51.9
2000	246.9	13.2	737.8	37.5	984.4	50.7
2001	394.5	24.6	1,293.0	73.2	1,687.5	97.8
2002	816.5	43.5	1,549.2	81.4	2,365.7	124.9

1/ No fishing has occurred in December since 1949. Sale of steelhead prohibited by non-Indians since 1975.

2/ Includes terminal and select area fisheries.

3/ Since 1995 an increasing proportion of treaty Indian commercial landings have been sold to the general public and not licensed fish buyers. General public sales figures are not included here.

Table 47. Minimum Numbers (in Thousands) of Lower River Fall Chinook, Including Jacks, Combined with the Upriver Run, Including Jacks, to Form the Total Fall Chinook Run Entering the Columbia River, 1938-2002.

Year	Lower Columbia River Stocks 1/				Total	Upriver Run	Minimum Run
	Zones 1-5	L. Col. R. Sport Catch 3/	Natural Spawners 4/	Hatchery Returns 5/			
1938	66.0	--	--	--	66.0	516.2	582.2
1939	70.4	--	--	--	70.4	479.9	550.3
1940	185.1	--	--	--	185.1	557.8	742.9
1941	497.8	--	--	--	497.8	677.9	1,175.7
1942	351.6	--	--	--	351.6	627.4	979.0
1943	153.7	--	--	--	153.7	447.2	600.9
1944	114.0	--	--	--	114.0	595.8	709.8
1945	145.8	--	--	--	145.8	565.9	711.7
1946	162.4	--	--	--	162.4	669.5	831.9
1947	142.9	--	--	--	142.9	760.7	903.6
1948	217.7	--	--	--	217.7	681.5	899.2
1949	104.1	--	--	--	104.1	446.4	550.5
1950	120.0	--	--	--	120.0	468.6	588.6
1951	52.9	--	--	--	52.9	332.7	385.6
1952	80.7	--	--	--	80.7	242.3	323.0
1953	44.3	--	--	--	44.3	213.0	257.3
1954	39.7	--	--	--	39.7	192.2	231.9
1955	49.6	--	--	--	49.6	231.9	281.5
1956	14.2	--	--	--	14.2	298.5	312.7
1957	24.4	--	--	--	24.4	252.2	276.6
1958	65.0	--	--	--	65.0	328.2	393.2
1959	22.2	--	--	--	22.2	273.8	296.0
1960	8.1	--	--	8.0	16.1	230.0	246.1
1961	26.1	--	5.9	13.9	45.9	206.4	252.3
1962	31.7	--	2.8	10.9	45.4	245.2	290.6
1963	31.4	--	5.2	21.8	58.4	206.7	265.1
1964	47.2	--	10.3	34.9	92.4	279.8	372.2
1965	57.1	--	10.8	27.4	95.3	303.9	399.2
1966	33.8	--	15.2	31.0	80.0	267.8	347.8
1967	36.9	--	12.0	28.6	77.5	307.5	385.0
1968	99.0	--	11.9	25.6	136.5	209.8	346.3
1969	78.3	3.0	7.0	42.2	130.5	340.5	471.0
1970	102.8	8.2	7.6	54.3	172.9	359.3	532.2
1971	122.1	6.3	5.1	58.8	192.3	296.3	488.6
1972	43.4	4.6	11.8	43.7	103.5	234.8	338.3
1973	165.3	3.5	22.2	53.4	244.4	317.7	562.1
1974	44.7	2.7	34.2	36.2	117.8	239.3	357.1
1975	77.4	2.8	33.8	38.2	152.2	373.7	525.9
1976	114.9	4.1	30.2	55.1	204.3	359.4	563.7
1977	97.9	3.7	26.1	45.4	173.1	276.2	449.3
1978	70.3	3.0	17.9	63.0	154.2	241.4	395.6
1979	74.2	1.7	10.3	49.3	135.5	220.7	356.2

Table 47 Continued

Year	Lower Columbia River Stocks 1/					Upriver Run	Minimum Run
	Zones 1-5	L. Col. R. Sport Catch 3/	Natural Spawners 4/	Hatchery Returns 5/	Total		
1980	77.6	4.5	39.4	41.4	162.9	194.0	356.9
1981	24.5	8.0	53.3	61.6	147.4	201.7	349.1
1982	51.5	8.0	57.7	57.4	174.6	263.7	438.3
1983	17.4	5.4	50.8	48.7	122.3	176.6	298.9
1984	34.7	13.8	45.2	35.7	129.4	284.3	413.7
1985	25.5	14.1	65.4	54.9	159.9	388.1	548.0
1986	98.0	19.8	46.3	67.6	231.7	498.4	730.1
1987	213.0	39.8	72.4	89.9	415.1	541.7	956.8
1988	225.6	29.0	76.2	62.7	393.5	475.6	869.1
1989	77.2	24.2	75.2	53.5	230.1	362.4	592.5
1990	20.9	13.2	38.9	49.9	122.9	246.5	369.4
1991	23.0	13.6	36.3	42.3	115.2	217.2	332.4
1992	11.9	17.1	37.1	40.1	106.2	157.2	263.4
1993	11.1	11.7	30.1	29.7	82.6	153.1	235.7
1994	1.8	1.9	40.3	46.0	90.0	205.4	295.4
1995	1.0	8.5	29.5	48.7	87.7	212.4	300.1
1996	10.6	7.3	45.0	56.3	119.3	234.5	353.8
1997	7.4	12.5	39.9	40.7	100.5	252.3	352.8
1998	2.7	6.3	24.1	31.3	64.4	230.6	295.0
1999	5.1	8.4	17.3	25.6	56.4	281.7	338.1
2000	6.7	5.2	23.2	24.0	59.1	266.2	325.3
2001	14.7	17.0	57.1	71.9	160.7	498.0	658.7
2002	23.9	28.4	105.6	76.9	234.8	554.5	789.3

1/ Catch of lower Columbia River stocks based on timing of catch (September-December) prior to 1980 and CWT recoveries beginning in 1980. No commercial fishing has occurred in December since 1949. Currently includes LRH, LRW, BUB, LRB and SAB stock fish.

2/ Includes terminal and select area fisheries.

3/ Beginning in 1980, includes catches made in tributaries. Beginning in 1982, includes catches made in estuary recreational (Buoy 10) fishery.

4/ Prior to 1980, Mayfield Dam (until 1969) and Willamette Falls counts only. Since 1980, natural spawner numbers have been estimated and combined with Willamette Falls count.

5/ Actual hatchery returns (not based on CWT analysis).

Table 48. Minimum Number (in Thousands) of Lower River Fall Chinook Adults, Combined with the Upriver Adult Run, to Form the Total Fall Chinook Adult Run Entering the Columbia River, 1970-2002.

Year	Lower Columbia River Stocks 1/					Upriver Run	Minimum Run
	Zones 1-5 Comm. Catch 2/	L. Col. R. Sport Catch 3/	Natural Spawners 4/	Hatchery Returns 5/	Total		
1970	94.6	3.0	7.5	44.9	150.0	302.0	452.0
1971	119.7	3.8	4.9	55.7	184.1	244.8	428.9
1972	40.4	3.4	11.6	41.2	96.6	188.9	285.5
1973	158.7	2.1	21.9	50.1	232.8	249.7	482.5
1974	43.4	1.7	33.9	34.2	113.2	177.3	290.5
1975	72.8	1.6	32.9	34.8	142.1	311.8	453.9
1976	105.7	1.3	29.3	51.6	187.9	260.8	448.7
1977	92.0	1.6	25.7	42.3	161.6	199.7	361.3
1978	65.4	1.5	17.4	59.4	143.7	184.7	328.4
1979	66.8	0.8	9.9	45.8	123.3	173.1	296.4
1980	75.9	4.3	36.8	37.8	154.8	166.4	321.2
1981	23.3	4.1	48.9	53.5	129.8	154.1	283.9
1982	49.3	5.3	55.2	49.9	159.7	201.0	360.7
1983	17.0	3.8	48.6	46.6	116.0	125.2	241.2
1984	34.2	11.3	41.0	33.5	120.0	185.5	305.5
1985	25.1	7.2	60.3	43.8	136.4	228.9	365.3
1986	93.8	13.5	38.7	51.1	197.1	301.6	498.7
1987	212.0	36.9	67.1	86.5	402.5	469.2	871.7
1988	224.8	27.1	71.9	58.9	382.7	400.3	783.0
1989	76.7	22.8	72.0	50.2	221.7	328.3	550.0
1990	20.5	10.7	36.3	43.5	111.0	206.6	317.6
1991	21.7	11.6	30.3	38.4	102.0	175.0	277.0
1992	11.2	13.1	32.2	35.6	92.1	125.8	217.9
1993	10.8	10.3	28.6	27.4	77.1	136.8	213.9
1994	1.6	1.3	37.6	42.4	82.9	172.4	255.3
1995	0.4	7.0	28.0	43.4	78.8	165.9	244.7
1996	10.4	6.5	43.4	54.3	114.6	217.2	331.8
1997	7.3	12.2	39.5	39.5	98.5	228.3	326.8
1998	2.7	6.1	23.4	29.0	61.2	194.1	255.3
1999	5.2	8.1	16.9	25.0	55.2	257.9	313.1
2000	6.0	4.3	21.3	18.9	50.5	205.3	255.8
2001	14.2	15.8	54.1	63.4	147.5	408.7	556.2
2002	23.1	27.1	102.6	74.4	227.2	509.8	737.0

1/ Catch of lower Columbia River stocks based on timing of catch (September-November) prior to 1980 and CWT recoveries beginning in 1980. Currently includes LRH, LRW, BUB, LRB and SAB stock fish.

2/ Includes terminal and select area fisheries.

3/ Beginning in 1980, includes catches made in tributaries. Beginning in 1982, includes catches made in estuary recreational (Buoy 10) fishery.

4/ Prior to 1980, Willamette Falls count only. Since 1980, natural spawner numbers have been estimated and combined with Willamette Falls count.

5/ Actual hatchery returns (not based on CWT analysis).

Table 49. Stock Accountability (in Thousands) of Lower River Hatchery Fall Chinook Adults Entering the Columbia River, 1980-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Natural Spawning Escapement 3/	Total Run Size 4/
	1-5 1/	6	1-6	L. Col. R. 2/	Tributary		
1980	57.0	0.1	57.1	0.5	2.4	45.5	105.6
1981	21.5	1.0	22.5	0.4	2.5	69.0	94.9
1982	47.3	1.0	48.3	0.2	3.7	86.6	139.5
1983	14.9	0.8	15.7	0.8	0.7	70.4	88.1
1984	26.7	1.4	28.1	6.7	2.1	59.5	102.4
1985	17.6	0.1	17.7	2.0	3.3	87.6	111.0
1986	75.3	0.7	76.0	7.0	3.8	67.8	154.8
1987	179.8	0.6	180.4	27.1	5.5	130.9	344.1
1988	178.4	1.8	180.2	17.8	4.2	107.5	310.0
1989	31.0	0.0	31.0	7.7	7.5	84.4	130.9
1990	4.4	0.2	4.6	2.7	3.7	48.9	60.0
1991	6.9	0.4	7.3	6.1	2.2	46.9	62.7
1992	2.7	0.2	2.9	5.7	3.0	50.7	62.6
1993	4.0	0.2	4.2	3.5	2.5	41.7	52.3
1994	0.0	0.0	0.0	0.0	0.2	53.3	53.6
1995	0.0	0.4	0.4	1.5	0.3	44.1	46.4
1996	3.9	0.4	4.2	3.3	1.4	66.6	75.5
1997	2.4	0.0	2.4	5.3	2.4	47.3	57.4
1998	0.8	0.0	0.8	4.4	0.1	39.7	45.3
1999	2.2	0.0	2.2	3.7	2.5	31.6	39.9
2000	0.9	0.0	0.9	2.9	0.3	22.9	27.0
2001	4.4	0.0	4.4	4.8	2.6	82.4	94.3
2002	9.9	0.3	10.2	10.2	5.1	130.8	156.4

1/ Includes terminal and select area fisheries.

2/ Beginning in 1982, includes catches from the estuary recreational (Buoy 10) fishery.

3/ Includes LRH stock fish that strayed to escapement areas upstream from Bonneville Dam. Also includes fish trapped at Bonneville Dam for hatchery broodstock.

4/ Includes escapement and state conducted test, treaty Indian subsistence, and all other fisheries. May also include fish counted at Bonneville Dam that were unaccounted for in any subsequent fisheries or escapement.

Table 50. Stock Accountability (in Thousands) of Lower River Wild Fall Chinook Adults Entering the Columbia River, 1980-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery Returns and Natural Spawning Escapement	Total Run Size 3/
	1-5 1/	6	1-6	L. Col. R. 2/	Tributary		
1980	18.4	0.1	18.5	0.1	1.2	19.0	38.8
1981	1.4	0.0	1.4	0.0	1.1	22.4	25.0
1982	1.2	0.0	1.2	0.1	0.9	10.7	13.0
1983	0.6	0.0	0.6	0.2	1.3	14.7	16.8
1984	2.9	0.0	2.9	0.4	1.3	8.6	13.3
1985	3.6	0.0	3.6	0.3	1.0	8.3	13.3
1986	10.2	0.0	10.2	0.5	1.5	12.3	24.5
1987	16.4	0.2	16.6	1.9	1.7	17.6	37.9
1988	19.3	0.1	19.4	1.7	1.7	18.9	41.7
1989	6.7	0.0	6.7	1.9	3.0	27.0	38.6
1990	0.9	0.0	0.9	1.2	1.2	17.0	20.3
1991	6.4	0.0	6.4	0.5	1.6	11.2	19.9
1992	2.3	0.0	2.3	0.6	1.7	7.9	12.5
1993	1.6	0.0	1.6	0.6	2.3	9.0	13.4
1994	0.3	0.0	0.3	0.1	0.9	11.0	12.2
1995	0.0	0.0	0.0	0.9	3.1	11.9	16.0
1996	0.3	0.0	0.3	0.2	0.1	14.0	14.6
1997	0.0	0.0	0.0	0.8	0.2	11.2	12.3
1998	0.0	0.0	0.0	0.7	0.0	6.6	7.3
1999	0.0	0.0	0.0	0.0	0.0	3.3	3.3
2000	0.6	0.0	0.6	0.0	0.0	9.6	10.2
2001	1.4	0.0	1.4	0.4	0.4	13.6	15.7
2002	1.8	0.2	2.0	0.6	2.7	19.7	24.9

1/ Includes terminal and select area fisheries.

2/ Beginning in 1982, includes catches from the estuary recreational (Buoy 10) fishery.

3/ Includes escapement and state conducted test and all other fisheries.

Table 51. Stock Accountability (in Thousands) of Select Area Bright Fall Chinook Adults Entering the Columbia River, 1985-2002.

Year	Commercial Catch by Zone			Sport Catch		Hatchery	Total Run Size 3/
	1-5 1/	6	1-6	L. Col. R. 2/	Tributary	Returns and Natural Spawning Escapement	
1985	1.1	0.0	1.1	0.0	0.0	0.5	1.6
1986	1.3	0.0	1.3	0.2	0.0	0.4	2.0
1987	1.8	0.0	1.8	0.3	0.0	0.2	2.3
1988	2.3	0.0	2.3	0.5	0.0	0.4	3.2
1989	0.4	0.0	0.4	0.2	0.0	0.6	1.2
1990	0.2	0.0	0.2	0.1	0.0	0.8	1.1
1991	0.4	0.0	0.4	0.7	0.0	0.8	2.0
1992	0.7	0.0	0.7	1.0	0.0	0.6	2.3
1993	0.4	0.0	0.4	0.5	0.0	1.2	2.1
1994	0.1	0.0	0.2	0.0	0.0	3.0	3.2
1995	0.3	0.0	0.3	0.2	0.0	5.5	6.0
1996	1.9	0.0	1.9	0.5	0.0	2.3	4.7
1997	2.0	0.0	2.0	0.7	0.0	1.0	3.8
1998	1.2	0.0	1.2	0.8	0.0	1.2	3.3
1999	1.6	0.0	1.6	0.4	0.0	0.8	2.9
2000	1.7	0.0	1.7	0.4	0.0	1.4	3.5
2001	2.5	0.0	2.5	1.0	0.0	1.4	4.9
2002	2.8	0.0	2.8	0.8	0.0	2.1	5.7

1/ Includes terminal and select area fisheries.

2/ Includes catches from the estuary recreational (Buoy 10) fishery.

3/ Includes escapement and state conducted test and all other fisheries.

Table 52. Estimated Numbers (in Thousands) of Sockeye Entering the Columbia River and Escapement, 1938-2002.

Year	Catch by Zone				Bonn. Count	Run Size 1/	Escapement	
	1-5 Comm.	6		1-6			Priest	Ice Harbor 3/
		Comm.	C&S					
1938	93.0	32.6	--	125.6	75.0	168.0	17.1	--
1939	51.4	29.6	--	81.0	73.4	124.8	19.6	--
1940	47.2	64.7	--	111.9	148.8	196.0	26.9	--
1941	107.9	42.1	--	150.0	65.7	173.6	0.9	--
1942	39.0	18.4	--	57.4	55.5	94.5	16.3	--
1943	33.6	9.3	--	42.9	39.8	73.4	17.7	--
1944	9.5	7.0	--	16.5	15.1	24.6	4.9	--
1945	1.4	1.3	--	2.7	9.5	10.9	7.1	--
1946	26.7	11.6	--	38.3	74.4	101.1	46.6	--
1947	164.2	47.2	--	211.4	171.1	335.3	79.8	--
1948	11.7	18.1	--	29.8	131.5	143.2	84.6	--
1949	1.2	6.5	--	7.7	51.4	52.6	18.7	--
1950	34.6	15.8	--	50.4	78.0	112.6	50.1	--
1951	34.3	12.0	--	46.3	169.4	203.7	102.7	--
1952	134.3	31.5	--	165.8	184.6	318.9	113.7	--
1953	24.8	16.2	--	41.0	235.2	260.0	152.0	--
1954	49.9	17.5	--	67.4	130.1	180.0	91.2	--
1955	7.3	52.4	--	59.7	237.7	245.0	155.8	--
1956	45.6	35.7	--	81.3	156.4	202.0	92.2	--
1957	64.9	0.2	--	65.1	82.9	147.8	71.3	--
1958	190.9	6.3	--	197.2	122.4	313.3	97.9	--
1959	184.1	0.9	--	185.0	86.6	270.7	72.3	--
1960	119.4	0.6	--	120.0	59.7	179.1	58.2	--
1961	40.6	0.1	--	40.7	17.1	60.2	19.5	--
1962	10.5	3.8	--	14.3	28.2	42.9	28.6	38
1963	5.1	8.9	--	14.0	60.3	79.9	64.8	1,118
1964	5.0	15.8	--	20.8	99.9	104.9	79.1	1,276
1965	0.1	5.8	--	5.9	55.1	55.2	48.3	317
1966	0.2	4.2	--	4.4	156.7	174.8	170.1	278
1967	21.2	34.5	--	55.7	144.2	180.2	123.8	717
1968	20.3	5.0	--	25.3	108.2	134.8	108.3	1,165
1969	16.2	11.3	--	27.5	59.6	75.8	39.1	745
1970	13.0	4.1	--	17.1	70.8	95.4	77.5	797
1971	54.9	21.3	--	76.2	87.4	150.5	73.8	532
1972	51.8	26.1	--	77.9	56.3	123.3	45.0	363
1973	2.3	1.4	--	3.7	59.0	61.3	54.5	233
1974	0.0	<0.1	--	<0.1	43.8	43.8	35.4	204

Table 52. Continued

Year	Catch by Zone				Bonn. Count	Run Size 1/	Escapement	
	1-5 Comm.	6		1-6			Priest	Ice Harbor 3/
		Comm.	C&S					
1975	0.0	0.0	--	0.0	58.2	58.2	55.2	243
1976	0.1	<0.1	--	0.1	43.6	43.7	32.8	771
1977	0.0	0.1	1.9	2.0	99.8	99.8	95.4	582
1978	0.0	<0.1	0.1	0.1	18.4	18.4	14.9	86
1979	0.0	<0.1	0.1	0.1	52.6	52.6	45.7	30
1980	0.0	<0.1	0.6	0.6	58.9	58.9	52.1	36
1981	0.0	<0.1	1.5	1.5	56.0	56.0	51.5	142
1982	0.0	0.1	0.7	0.8	50.2	50.2	40.5	174
1983	0.0	1.8	1.5	3.3	100.5	100.5	89.8	216
1984	9.1	22.5	2.1	33.7	152.5	161.6	114.8	105
1985	31.9	49.4	0.5	81.8	166.3	200.4	118.5	24
1986	1.8	4.3	2.4	8.5	58.1	59.9	43.1	20
1987	28.3	39.5	0.1	67.9	117.0	145.3	76.6	13
1988	17.5	31.0	--	48.5	79.7	99.6	51.1	22
1989	0.0	<0.1	2.1	2.1	41.9	47.4	45.3	4
1990	0.0	<0.1	2.4	2.4	49.6	49.6	46.3	1
1991	0.0	<0.1	3.3	3.3	76.5	76.5	71.2	9
1992	0.0	<0.1	2.2	2.2	85.0	85.0	77.7	2
1993	0.0	<0.1	5.0	5.0	80.2	84.2	79.2	17
1994	0.0	0.0	0.5	0.5	12.7	12.7	11.8	3
1995	0.0	0.0	0.4	0.4	8.8	9.2	8.7	5
1996	0.0	0.0	1.4	1.4	30.3	30.3	28.0	1
1997	0.0	0.0	2.0	2.0	46.9	46.9	42.7	15
1998	0.0	0.0	0.4	0.4	13.2	13.2	10.0	3
1999	0	0	0.7	0.7	17.9	17.9	15.3	14
2000	0.3	0.1	2.8	3.1	93.4	93.7	83.6	216
2001	1.6	5.6	1.7	8.9	114.9	116.5	111.3	38
2002	0	0	2.6	2.6	49.6	49.6	47.9	61

1/ Run size 1938-59 is Zones 1-5 landings plus Bonneville count. Since 1960 a maximum run size is computed using Zones 1-6 landings plus escapement or Zones 1-5 landings plus Bonneville count.

2/ Rock Island Dam count for 1938-59 and Priest Rapids Dam count for 1960-present.

In 1992 and 1993, Priest Rapids Dam counts were adjusted to 16 hour counts from the actual 24 hour counts to match counting hours in previous years.

3/ Non-rounded counts of sockeye are presented for Ice Harbor Dam only. Actual 1992 count of 33 sockeye was adjusted to two by the U.S. v. Oregon Technical Advisory Committee. The remainder of the count was believed to be non-anadromous sockeye or kokanee. The Technical Advisory Committee concluded that three sockeye passed Ice Harbor Dam in 1994.

Table 53. Estimated Numbers of Endangered Snake River Sockeye Entering the Columbia River and Escapement, 1975-2002. 1/.

Year	Total Run Size 2/	Non-Indian Harvest 3/	Treaty Indian Harvest 4/	Bonn. to Lower Granite Dam Passage Loss 5/	Lower Granite Dam Escapement
1975	255	0	0	46	209
1976	1003	2	0	470	531
1977	605	0	13	134	458
1978	106	0	1	(18)	123
1979	35	0	0	9	25
1980	41	0	0	(55)	96
1981	154	0	4	(68)	218
1982	215	0	3	1	211
1983	241	0	8	111	122
1984	148	9	23	70	47
1985	41	7	10	(11)	35
1986	28	2	3	8	15
1987	25	5	7	(16)	29
1988	43	8	13	(1)	23
1989	4	0	0	2	2
1990	1	0	0	1	0
1991	10	0	0	1	8
1992	2	0	0	1	1
1993	18	0	1	5	12
1994	3	0	0	1	2
1995	5	0	0	1	4
1996	4	0	0	0	4
1997	2	0	0	0	2
1998	4	0	0	1	3
1999	19	0	1	2	16
2000	447	2	14	31	400
2001	51	1	3	2	45
2002	57	0	3	3	51

1/ Listed as endangered under the Endangered Species Act, December 1991.

2/ Developed by the U.S. v. Oregon Technical Advisory Committee using the ratio of Ice Harbor Dam counts to combined Ice Harbor and Priest Rapids Dam counts applied to the total sockeye run size entering the Columbia River.

3/ Commercial fishery catch.

4/ Includes commercial, ceremonial, and subsistence fisheries' catches.

5/ Negative passage loss (in parentheses) is the result of counting of non-anadromous kokanee at Snake River dams, unaccounted passage through navigation locks, and nighttime passage at lower dams.

Table 54. Columbia River Sockeye Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	325.5	93.0	99.1	32.6	424.6	125.6
1939	180.0	51.4	89.8	29.6	269.8	81.0
1940	165.1	47.2	196.8	64.7	361.9	111.9
1941	377.7	107.9	128.0	42.1	505.7	150.0
1942	136.4	39.0	56.0	18.4	192.4	57.4
1943	117.7	33.6	28.4	9.3	146.1	42.9
1944	33.4	9.5	21.4	7.0	54.8	16.5
1945	4.8	1.4	3.9	1.3	8.7	2.7
1946	93.3	26.7	35.2	11.6	128.5	38.3
1947	574.7	164.2	143.6	47.2	718.3	211.4
1948	40.8	11.7	55.0	18.1	95.8	29.8
1949	4.4	1.2	19.6	6.5	24.0	7.7
1950	121.2	34.6	48.0	15.8	169.2	50.4
1951	133.0	34.3	36.4	12.0	169.4	46.3
1952	513.0	134.3	95.7	31.5	608.7	165.8
1953	97.1	24.8	49.1	16.2	146.2	41.0
1954	195.6	49.9	47.8	17.5	243.4	67.4
1955	30.5	7.3	169.9	52.4	200.4	59.7
1956	180.7	45.6	106.4	35.7	287.1	81.3
1957	239.7	64.9	0.5	0.2	240.2	65.1
1958	704.4	190.9	19.1	6.3	723.5	197.2
1959	633.2	184.1	2.6	0.9	635.8	185.0
1960	392.2	119.4	1.9	0.6	394.1	120.0
1961	157.6	40.6	0.4	0.1	158.0	40.7
1962	39.3	10.5	12.4	3.8	51.7	14.3
1963	20.0	5.1	28.8	8.9	48.8	14.0
1964	16.6	5.0	51.6	15.8	68.2	20.8
1965	0.3	0.1	22.6	5.8	22.9	5.9
1966	0.6	0.2	16.6	4.2	17.2	4.4
1967	76.9	21.2	118.2	34.5	195.1	55.7
1968	72.4	20.3	17.2	5.0	89.6	25.3
1969	62.0	16.2	42.5	11.3	104.5	27.5
1970	42.7	13.0	13.0	4.1	55.7	17.1
1971	208.1	54.9	77.5	21.3	285.6	76.2
1972	186.9	51.8	88.7	26.1	275.6	77.9
1973	9.8	2.3	6.1	1.4	15.9	3.7
1974	0.0	0.0	0.2	<0.1	0.2	<0.1

Table 54 Continued

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	0.0	0.0	0.0	0.0	0.0	0.0
1976	0.3	0.1	0.2	<0.1	0.5	0.1
1977	0.0	0.0	0.5	0.1	0.5	0.1
1978	<0.1	0.0	<0.1	<0.1	0.1	<0.1
1979	<0.1	0.0	<0.1	<0.1	<0.1	<0.1
1980	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1981	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1982	0.0	0.0	0.5	0.1	0.5	0.1
1983	0.0	0.0	6.5	1.8	6.5	1.8
1984	31.8	9.1	78.7	22.5	110.5	31.6
1985	111.6	31.9	175.8	49.4	287.4	81.3
1986	6.7	1.8	17.1	4.3	23.8	6.1
1987	107.5	28.3	149.0	39.5	256.5	67.8
1988	61.4	17.5	119.7	31.0	181.1	48.5
1989	0.0	0.0	0.1	<0.1	0.1	<0.1
1990	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1991	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1992	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1993	0.0	0.0	<0.1	<0.1	<0.1	<0.1
1994	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0
2000	1.2	0.3	0.4	0.1	1.6	0.4
2001	5.8	1.6	6.6	1.6	12.4	3.2
2002	0.0	0.0	0.0	0.0	0.0	0.0

Table 55. Escapement Index for Late Run Coho in Oregon Lower Columbia River Tributaries, 1949-2002.

Year	Miles Surveyed 1/	Fish Observed	Fish/Mile
1949	4.1	53	13
1950	9.0	168	19
1951	9.3	539	58
1952	10.3	384	37
1953	10.3	159	15
1954	10.3	191	19
1955	7.0	126	18
1956	10.3	424	41
1957	10.3	326	32
1958	10.3	180	17
1959	7.0	132	19
1960	7.0	123	18
1961	5.5	99	18
1962	5.5	166	30
1963	5.5	104	19
1964	4.9	185	38
1965	5.5	89	16
1966	9.0	254	28
1967	9.3	158	17
1968 2/	6.0	119	20
1969	9.3	308	33
1970	9.3	247	27
1971	9.3	94	10
1972	9.3	103	11
1973	9.3	30	3
1974	9.3	28	3
1975	9.3	42	5
1976	9.3	17	2
1977	9.3	15	2
1978	9.3	15	2
1979	9.3	15	2
1980	9.3	81	9
1981	9.3	16	2
1982	9.3	17	2
1983	9.3	11	1
1984	9.3	17	2

Table 55. Continued

Year	Miles Surveyed 1/	Fish Observed	Fish/Mile
1985 3/	7.8	3	<1
1986	9.3	51	5
1987	9.3	7	1
1988	9.3	5	1
1989	9.3	3	<1
1990	9.4	4	<1
1991	9.4	3	<1
1992	9.4	4	<1
1993	9.3	2	<1
1994	9.3	3	<1
1995	9.3	2	<1
1996	9.3	0	0
1997	9.3	0	0
1998	9.3	4	<1
1999	9.3	4	<1
2000	9.3	82 4/	9
2001	9.3	13 4/	1
2002	9.3	84	9

1/ In 1975 the database was reorganized into 9.3 miles of ten standard index streams that best indicate trends in escapement since 1967. Prior to 1967 the same ten streams are used; however survey miles as well as frequency vary.

2/ In 1968 two streams were not surveyed.

3/ In 1985 observations in a survey heavily influenced by hatchery adult introduction were not included.

4/ May include some adipose finclipped coho.

Table 56. Minimum Numbers (in Thousands) of Coho, Including Jacks, Entering the Columbia River, 1938-2002.

Year	Lower Columbia River							Minimum Run
	Zones 1-5	Sport Catch			Hatchery	Dam	Bonneville	
	Comm. Catch 1/	Estuary 2/	L.Col.R. 3/	Trib. 4/	Returns	Counts 5/	Dam Count	
1938	256.7	--	--	--	--	--	15.2	271.9
1939	169.8	--	--	--	--	--	14.4	184.2
1940	152.5	--	--	--	--	--	11.9	164.4
1941	113.6	--	--	--	--	--	17.9	131.5
1942	71.4	--	--	--	--	--	12.4	83.8
1943	78.4	--	--	--	--	--	2.5	80.9
1944	170.0	--	--	--	--	--	4.2	174.2
1945	203.8	--	--	--	--	--	0.8	204.6
1946	117.6	--	--	--	--	--	3.9	121.5
1947	165.0	--	--	--	--	--	11.2	176.2
1948	130.4	--	--	--	--	--	4.1	134.5
1949	99.7	--	--	--	--	--	1.0	100.7
1950	115.7	--	--	--	--	--	10.2	125.9
1951	107.2	--	--	--	--	--	5.2	112.4
1952	118.5	--	--	--	--	--	7.8	126.3
1953	48.3	--	--	--	--	--	13.0	61.3
1954	32.8	--	--	--	--	0.5	4.1	37.4
1955	58.4	--	--	--	--	2.2	3.7	64.3
1956	49.7	--	--	--	--	8.6	6.1	64.4
1957	46.2	--	--	--	--	4.2	4.7	55.1
1958	18.5	--	--	--	--	2.0	3.7	24.2
1959	15.1	--	--	--	--	3.4	2.7	21.2
1960	17.5	--	--	--	23.6	3.3	3.3	47.7
1961	37.2	--	--	--	44.4	27.3	3.5	112.4
1962	62.8	--	--	--	79.5	27.6	14.8	184.7
1963	65.1	--	--	--	58.6	25.5	12.7	161.9
1964	203.7	--	9.7	--	157.8	29.1	53.6	453.9
1965	231.5	--	2.0	--	172.5	37.0	76.0	519.0
1966	415.5	--	11.0	--	250.2	37.3	71.9	785.9
1967	368.8	--	12.0	--	181.7	35.2	96.5	694.2
1968	125.1	--	5.5	--	191.4	38.4	63.5	423.9
1969	190.1	--	3.5	--	201.3	19.1	49.4	463.4
1970	520.9	--	13.8	21.7	402.4	40.1	80.1	1,079.0
1971	264.3	--	5.1	16.0	259.1	28.2	76.0	648.7
1972	131.3	--	2.5	9.3	135.4	18.2	65.9	362.6
1973	183.7	--	3.4	7.4	166.3	7.5	54.5	422.8
1974	261.0	--	0.7	12.6	192.3	6.4	61.0	534.0
1975	156.6	--	1.6	10.0	197.1	14.1	58.3	437.7
1976	168.4	--	1.2	10.8	144.7	5.8	53.2	384.1
1977	39.0	--	6.9	5.7	123.6	4.4	19.4	199.0
1978	132.7	--	4.3	8.7	177.5	6.9	52.6	382.7
1979	127.6	--	3.0	12.1	136.5	6.2	45.3	330.7

Table 56. Continued

Year	Lower Columbia River							Minimum Run
	Zones 1-5	Sport Catch			Hatchery Returns	Dam Counts 5/	Bonneville Dam Count	
	Comm. Catch 1/	Estuary 2/	L.Col.R. 3/	Trib. 4/				
1980	150.1	--	0.2	11.1	153.0	6.5	22.1	343.0
1981	59.9	--	0.7	7.6	103.9	5.4	30.5	208.0
1982	201.7	18.9	0.9	17.6	196.8	8.9	73.8	518.6
1983	7.1	3.6	2.5	5.1	104.5	5.4	15.2	143.4
1984	201.5	74.4	1.3	14.9	118.4	6.9	29.5	446.9
1985	190.0	25.4	1.5	9.4	141.7	10.4	56.9	435.3
1986	981.0	120.4	4.5	20.7	305.2	11.4	130.9	1,574.1
1987	167.8	47.2	4.0	6.1	128.1	7.9	27.6	388.7
1988	363.0	143.4	2.0	11.8	154.6	12.2	39.6	726.6
1989	389.2	81.9	0.5	15.1	217.9	8.5	39.3	752.4
1990	75.2	18.5	3.3	9.7	126.5	4.1	24.8	262.1
1991	409.2	208.7	2.4	29.3	236.8	6.7	64.0	957.1
1992	57.8	43.1	2.1	8.4	101.4	6.1	18.1	237.0
1993	36.1	21.0	0.6	6.2	41.4	1.1	11.7	118.1
1994	63.8	1.8	1.0	3.1	81.0	4.4	22.8	177.9
1995	22.6	5.0	0.3	3.1	42.9	3.6	12.0	89.5
1996	28.1	4.5	0.8	3.9	72.1	1.6	18.8	129.8
1997	20.5	20.4	1.3	11.3	73.2	3.3	27.3	157.3
1998	23.8	6.3	1.2	3.3	103.9	1.4	49.9	189.8
1999	80.5	9.0	1.8	18.5	146.7	1.7	45.2	303.2
2000	173.9	21.5	4.0	34.9	289.8	7.4	97.0	628.5
2001	253.5	132.0	3.4	73.6	394.5	9.3	266.3	1,132.7
2002	164.2	6.2	3.4	32.5	250.3	6.2	94.9	557.6

1/ Includes Youngs Bay, and Big Creek (1963-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

2/ Catch from estuary recreational (Buoy 10) fishery. Catch from the estuary fishery prior to 1982 is included in the ocean catch totals.

3/ Catch from above Astoria-Megler Bridge.

4/ Tributary sport catch is adults only and includes 1994 Youngs Bay sport catch.

5/ Willamette Falls on the Willamette R. (since 1954), North Fork Dam on the Clackamas R. (since 1958), and Marmot Dam on the Sandy R. (since 1960).

Table 57. Minimum Numbers (in Thousands) of Coho Adults Entering the Columbia River, 1970-2002.

Year	Lower Columbia River							Minimum Run
	Zones 1-5	Sport Catch			Hatchery	Dam	Bonneville	
	Comm. Catch 1/	Estuary 2/	L.Col.R. 3/	Trib. 4/	Returns	Counts 5/	Dam Count	
1970	520.9	--	2.2	21.8	275.4	20.1	54.9	895.3
1971	264.3	--	1.4	16.0	187.7	21.3	53.8	544.5
1972	131.3	--	0.8	9.2	91.3	11.0	34.2	277.8
1973	183.7	--	0.3	7.4	68.2	5.8	25.8	291.2
1974	261.0	--	0.5	12.6	152.8	2.4	31.6	460.9
1975	156.6	--	0.6	10.0	85.4	7.1	32.8	292.5
1976	168.4	--	0.3	10.8	117.3	3.5	36.7	337.0
1977	39.0	--	0.5	5.7	37.1	2.2	9.3	93.8
1978	132.7	--	1.1	8.7	131.8	2.9	30.3	307.5
1979	127.6	--	0.2	12.1	102.6	4.4	29.6	276.5
1980	150.1	--	0.1	11.1	122.2	5.1	13.0	301.6
1981	60.0	--	0.1	7.6	77.9	2.8	21.9	170.3
1982	201.7	18.8	0.1	17.6	154.1	5.0	55.8	453.1
1983	7.1	3.6	0.2	5.1	73.6	2.5	8.4	100.5
1984	201.5	74.4	0.7	14.9	101.7	4.2	16.8	414.2
1985	190.0	25.4	1.1	9.4	94.2	7.5	38.6	366.2
1986	981.0	120.4	4.0	20.7	284.1	8.9	108.7	1,527.8
1987	165.2	47.2	0.9	6.1	66.1	4.2	17.9	307.6
1988	361.5	143.4	0.5	11.8	113.6	6.9	27.1	664.8
1989	387.3	81.9	0.2	15.1	183.3	6.4	27.4	701.6
1990	66.2	18.5	0.3	9.7	87.8	2.0	11.6	196.1
1991	407.5	208.7	1.1	29.3	223.3	5.5	58.9	934.3
1992	54.1	43.1	0.6	8.4	85.1	5.2	14.4	210.9
1993	35.6	21.0	0.6	6.2	39.1	0.8	10.6	113.9
1994	60.7	1.8	0.9	3.1	77.7	4.1	20.3	168.6
1995	21.4	5.0	0.2	3.1	31.5	2.9	10.4	74.5
1996	26.1	4.5	0.8	3.9	62.2	0.6	15.7	113.8
1997	20.5	20.4	0.8	11.3	69.7	2.8	24.1	149.6
1998	23.0	6.3	0.6	3.3	84.6	1.0	46.3	165.1
1999	79.0	9.0	1.3	18.5	121.5	1.0	40.7	270.9
2000	171.0	21.5	1.6	34.9	232.4	6.5	85.6	553.5
2001	253.4	132.0	3.1	73.6	382.6	8.7	259.6	1,112.9
2002	163.0	6.2	3.0	32.5	218.4	3.6	88.1	514.8

1/ Includes Youngs Bay, Big Creek (1970-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings. Includes jacks, except beginning in 1987 jacks landed in Youngs Bay and other select area fisheries are not included in this total.

2/ Catch from estuary recreational (Buoy 10) fishery. Catch from the estuary fishery prior to 1982 is included in the ocean catch totals.

3/ Catch from above Astoria-Megler Bridge.

4/ Includes the 1994 Youngs Bay adult sport catch.

5/ Willamette Falls on the Willamette R., North Fork Dam on the Clackamas R., and Marmot Dam on the Sandy R.

Table 58. Minimum Numbers (in Thousands) of Early Stock Coho Adults Entering the Columbia River, 1970-2002.

Year	Lower Columbia River					Hatchery Returns	Dam Counts 5/	Bonneville Dam Count	Minimum Run
	Zones 1-5		Sport Catch						
	Comm. Catch 1/	Estuary 2/	L.Col.R. 3/	Trib. 4/					
1970	396.5	--	1.7	16.6	226.2	18.6	53.1	712.7	
1971	166.2	--	1.1	12.4	158.6	18.7	46.4	403.4	
1972	70.3	--	0.7	7.4	81.3	10.4	32.2	202.3	
1973	144.3	--	0.2	4.8	49.8	5.4	24.8	229.3	
1974	120.1	--	0.4	10.6	123.8	1.6	26.1	282.6	
1975	89.1	--	0.4	7.0	69.0	6.4	30.2	202.1	
1976	71.2	--	0.2	6.8	71.5	2.5	33.1	185.3	
1977	17.2	--	0.4	4.0	23.5	1.4	7.7	54.2	
1978	62.4	--	0.8	6.2	98.7	2.4	27.9	198.4	
1979	69.2	--	0.2	8.8	78.6	3.1	26.3	186.2	
1980	68.8	--	0.1	6.2	76.4	2.0	6.8	160.3	
1981	22.0	--	0.2	4.3	50.4	2.4	21.0	100.3	
1982	42.6	11.9	0.1	11.6	108.4	3.8	51.0	229.4	
1983	4.7	2.3	0.1	2.4	28.3	1.0	4.6	43.4	
1984	115.1	46.3	0.5	6.9	54.9	3.8	13.1	240.6	
1985	105.8	16.5	0.8	6.3	57.3	6.5	35.2	228.4	
1986	356.6	97.6	2.9	9.5	158.6	5.9	99.7	730.8	
1987	100.5	28.4	0.7	4.2	32.6	3.4	16.4	186.2	
1988	186.7	61.7	0.3	7.0	47.3	6.3	23.0	332.3	
1989	78.2	54.7	0.2	7.0	98.0	5.0	19.6	262.7	
1990	38.3	12.6	0.3	6.3	40.9	1.7	8.7	108.8	
1991	203.2	142.9	0.8	15.1	108.9	4.3	43.2	518.4	
1992	19.4	29.1	0.5	4.1	44.5	3.4	8.4	109.4	
1993	20.9	16.5	0.5	2.8	22.9	0.7	8.0	72.3	
1994	58.3	1.4	0.8	1.9	59.6	3.3	12.6	137.9	
1995	21.2	4.9	0.2	2.0	20.4	2.3	7.0	58.0	
1996	22.3	3.9	0.8	2.5	44.3	0.6	8.9	83.3	
1997	18.1	19.3	0.8	6.9	39.1	2.8	18.1	105.1	
1998	22.8	6.0	0.4	1.0	46.8	0.9	34.2	112.1	
1999	35.4	6.7	0.9	11.0	57.0	1.0	32.9	144.8	
2000	78.9	18.7	1.0	24.5	138.9	5.6	58.9	326.6	
2001	101.9	114.9	2.6	38.8	199.4	6.2	225.4	689.1	
2002	116.2	5.4	1.1	15.4	99.2	3.3	50.4	290.9	

1/ Includes Youngs Bay, Big Creek (1970-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

2/ Catch from estuary recreational (Buoy 10) fishery. Catch from the estuary fishery prior to 1982 is included in the ocean catch totals. Some non-Columbia River fish are caught in the estuary fishery and are included here.

3/ Catch from above Astoria-Megler Bridge.

4/ Includes the 1994 Youngs Bay adult sport catch.

5/ Willamette Falls on the Willamette R., North Fork Dam on the Clackamas R., and Marmot Dam on the Sandy R.

Table 59. Minimum Numbers (in Thousands) of Late Stock Coho Adults Entering the Columbia River, 1970-2002.

Year	Lower Columbia River							Minimum Run
	Zones 1-5	Sport Catch			Hatchery Returns	N. Fk. Dam Count 4/	Bonneville Dam Count	
	Comm. Catch 1/	Estuary 2/	L.Col.R. 3/	Trib.				
1970	124.3	--	0.5	5.1	49.3	1.6	1.8	182.6
1971	98.1	--	0.3	3.7	29.0	2.6	7.4	141.1
1972	61.0	--	0.2	1.8	9.9	0.6	2.0	75.5
1973	39.4	--	0.1	2.6	18.4	0.4	1.1	62.0
1974	140.9	--	0.1	2.0	29.0	0.8	5.5	178.3
1975	67.6	--	0.2	2.9	16.4	0.7	2.6	90.4
1976	97.2	--	0.1	4.0	45.8	1.0	3.6	151.7
1977	21.8	--	0.1	1.7	13.6	0.9	1.6	39.7
1978	70.3	--	0.2	2.6	33.1	0.5	2.4	109.1
1979	58.4	--	0.0	3.4	23.9	1.3	3.3	90.3
1980	81.2	--	0.0	5.0	45.8	3.1	6.2	141.3
1981	37.9	--	0.0	3.3	27.5	0.4	1.0	70.1
1982	159.1	7.0	0.0	6.0	45.7	1.1	4.8	223.7
1983	2.4	1.3	<0.1	2.7	45.3	1.5	3.8	57.1
1984	86.4	28.1	0.2	8.0	46.8	0.4	3.6	173.5
1985	84.2	8.9	0.3	3.1	36.9	1.0	3.4	137.8
1986	624.4	22.8	1.1	11.3	125.5	2.9	8.9	796.9
1987	64.8	18.8	0.2	1.8	33.4	0.9	1.5	121.4
1988	174.9	81.7	0.2	4.8	66.3	0.6	4.1	332.6
1989	309.1	27.2	<0.1	8.1	85.3	1.4	7.8	439.0
1990	27.9	5.8	<0.1	3.5	46.9	0.3	2.9	87.4
1991	204.3	65.7	0.3	14.3	114.4	1.3	15.6	415.9
1992	34.7	14.0	<0.1	4.3	40.7	1.8	6.0	101.5
1993	14.8	4.4	0.1	3.4	16.1	0.1	2.6	41.5
1994	2.4	0.4	0.1	1.2	18.1	0.8	7.7	30.7
1995	0.2	0.2	<0.1	1.1	11.1	0.6	3.4	16.6
1996	3.8	0.6	<0.1	1.4	17.9	<0.1	6.8	30.5
1997	2.4	1.0	<0.1	4.4	30.7	<0.1	6.0	44.5
1998	0.2	0.2	0.2	2.3	37.8	0.1	12.1	52.9
1999	43.6	2.2	0.4	7.5	64.5	0.1	7.8	126.0
2000	92.1	2.8	0.6	10.4	93.4	0.9	26.7	226.9
2001	151.5	17.2	0.5	34.8	183.2	2.5	34.2	423.9
2002	46.8	0.8	2.0	17.1	119.3	0.4	37.7	223.9

1/ Includes Youngs Bay, Big Creek (1970-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

2/ Catch from estuary recreational (Buoy 10) fishery. Catch from the estuary fishery prior to 1982 is included in the ocean catch totals. Some non-Columbia River fish are caught in the estuary fishery and are included here.

3/ Catch from above Astoria-Megler Bridge.

4/ North Fork Dam on the Clackamas R.

Table 60. Columbia River Coho Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5 1/		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	2,309.9	256.7	1.1	0.2	2,311.0	256.9
1939	1,528.3	169.8	1.4	0.2	1,529.7	170.0
1940	1,372.4	152.5	0.8	0.1	1,373.2	152.6
1941	1,022.4	113.6	22.6	3.2	1,045.0	116.8
1942	642.7	71.4	1.8	0.3	644.5	71.7
1943	705.6	78.4	0.7	0.1	706.3	78.5
1944	1,529.7	170.0	3.6	0.5	1,533.3	170.5
1945	1,834.3	203.8	1.2	0.2	1,835.5	204.0
1946	1,058.4	117.6	1.2	0.2	1,059.6	117.8
1947	1,484.8	165.0	13.3	1.9	1,498.1	166.9
1948	1,173.3	130.4	1.4	0.2	1,174.7	130.6
1949	897.7	99.7	1.5	0.2	899.2	99.9
1950	1,041.4	115.7	6.6	0.9	1,048.0	116.6
1951	964.9	107.2	3.1	0.4	968.0	107.6
1952	1,066.6	118.5	7.4	1.1	1,074.0	119.6
1953	434.5	48.3	23.0	3.3	457.5	51.6
1954	295.5	32.8	7.9	1.1	303.4	33.9
1955	525.2	58.4	73.6	10.5	598.8	68.9
1956	447.4	49.7	12.6	1.8	460.0	51.5
1957	390.5	46.2	0.2	0.1	390.7	46.3
1958	165.9	18.5	1.7	0.2	167.6	18.7
1959	119.5	15.1	0.2	0.1	119.7	15.2
1960	158.0	17.5	1.1	0.2	159.1	17.7
1961	379.1	37.2	3.5	0.5	382.6	37.7
1962	582.5	62.8	17.5	2.5	600.0	65.3
1963	500.6	65.1	0.5	0.1	501.1	65.2
1964	1,943.6	203.7	19.9	2.5	1,963.5	206.2
1965	1,880.3	231.5	21.5	3.2	1,901.8	234.7
1966	4,317.6	415.5	71.5	8.3	4,389.1	423.8
1967	3,715.7	368.8	102.2	13.6	3,817.9	382.4
1968	912.7	125.1	49.5	7.6	962.2	132.7
1969	1,624.9	190.1	38.4	7.8	1,663.3	197.9
1970	5,608.0	520.8	137.6	15.5	5,745.6	536.3
1971	2,191.5	264.3	86.4	13.1	2,277.9	277.4
1972	1,177.5	131.3	61.9	8.7	1,239.4	140.0
1973	1,823.2	183.7	81.6	11.1	1,904.8	194.8
1974	2,391.0	261.0	41.7	6.8	2,432.7	267.8

Table 60. Continued

Year	Zones 1-5 1/		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds		Pounds	Numbers
1975	1,530.8	156.6	50.7	5.7	1,581.5	162.3
1976	1,298.4	168.4	30.2	4.0	1,328.6	172.4
1977	309.0	39.0	7.6	1.0	316.6	40.0
1978	1,074.1	132.7	22.8	3.7	1,096.9	136.4
1979	1,065.8	127.6	31.0	3.9	1,096.8	131.5
1980	998.1	133.7	1.9	0.3	1,000.0	134.0
1981	432.9	55.5	11.3	1.8	444.2	57.3
1982	1,516.3	199.6	25.9	4.3	1,542.2	203.9
1983	44.3	7.1	1.0	0.2	45.3	7.3
1984	1,612.5	201.5	8.7	1.6	1,621.2	203.1
1985	1,632.4	190.0	42.3	5.2	1,674.7	195.2
1986	6,723.9	981.0	96.1	16.8	6,820.0	997.8
1987	1,299.2	167.8	13.7	2.3	1,312.9	170.1
1988	2,644.8	363.0	37.9	5.1	2,682.7	368.1
1989	2,668.3	389.2	14.7	2.4	2,683.0	391.6
1990	492.6	75.2	6.9	1.0	499.5	76.2
1991	2,685.5	409.3	44.7	6.7	2,730.2	416.0
1992	298.9	57.8	4.8	1.0	303.7	58.8
1993	262.1	36.1	9.4	0.9	271.5	37.0
1994	496.3	63.8	8.6	1.0	505.0	64.8
1995	189.4	22.5	2.1	0.3	191.5	22.8
1996	229.6	28.1	1.3	0.1	230.9	28.2
1997	160.2	20.5	1.6	0.2	161.8	20.7
1998	194.2	23.8	1.6	0.2	195.8	24.0
1999	683.9	80.5	14.3	1.7	698.2	82.2
2000	1,548.6	173.9	36.5	4.4	1,585.0	178.3
2001	2,257.4	253.5	28.7	3.8	2,286.0	257.3
2002	1,687.6	164.2	4.2	0.5	1,691.8	164.6

1/ Includes Youngs Bay, Big Creek (1963-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

Table 61. Escapement Index Values for Chum in Washington Lower Columbia River Tributaries, 1950-2002.

Year	Miles Surveyed	Fish Observed	Fish/Mile
1950	0.5	475	950
1951	2.9	2,430	838
1952	2.9	2,087	720
1953	2.9	706	243
1954	0.9	650	722
1955	1.3	89	68
1956	1.2	242	202
1957	3.8	893	235
1958	2.5	412	165
1959	2.9	1,046	361
1960	4.3	693	161
1961	2.6	854	328
1962	2.3	822	357
1963	5.4	1,041	193
1964	3.7	642	174
1965	6.5	528	81
1966	6.5	1,303	200
1967	6.5	909	140
1968	4.3	276	64
1969	6.5	600	92
1970	4.0	414	104
1971	6.5	574	88
1972	6.5	1,086	167
1973	4.3	403	94
1974	6.5	277	43
1975	6.5	322	50
1976	6.5	271	42
1977	6.5	593	91
1978	6.5	426	66
1979	6.5	130	20
1980	6.7	276	41
1981	4.0	56	14
1982	6.1	1,127	185
1983	5.8	317	55
1984	7.1	499	70

Table 61. Continued

Year	Miles Surveyed	Fish Observed	Fish/Mile
1985	7.1	500	70
1986	7.4	1,138	154
1987	7.1	1,016	143
1988	7.1	1,917	270
1989	7.1	367	52
1990	7.1	832	117
1991	7.1	673	95
1992	7.1	3,273	461
1993	7.1	1,411	199
1994	7.1	509	72
1995	7.2	922	128
1996	7.2	1,545	215
1997	7.2	1,054	146
1998	7.2	1,666	231
1999	7.2	2,096	291
2000	6.1	2,425	398
2001	5.8	4,527	781
2002	6.7	8,662	1,293

Table 62. Minimum Numbers (in Thousands) of Chum Entering the Columbia River, 1950-2002.

Year	Commercial Catch Zones 1-5 1/	Natural Spawners 2/	Hatchery Returns 3/	Bonneville Dam Count	Minimum Run
1950	57.4	0.5	--	1.1	58.9
1951	42.6	2.4	--	1.0	46.1
1952	25.3	2.1	--	1.5	28.9
1953	20.4	0.7	--	1.7	22.9
1954	26.2	0.7	--	1.6	28.5
1955	10.3	0.1	--	0.3	10.7
1956	3.7	0.2	--	0.7	4.7
1957	2.7	0.9	--	0.6	4.2
1958	7.4	0.4	--	0.5	8.3
1959	3.5	1.0	--	0.9	5.5
1960	1.3	0.7	--	1.0	3.0
1961	1.3	0.9	--	0.9	3.1
1962	3.9	0.8	--	1.0	5.7
1963	1.2	1.0	--	0.7	3.0
1964	1.9	0.6	--	0.6	3.2
1965	0.5	0.5	--	0.5	1.5
1966	0.9	1.3	--	0.9	3.1
1967	0.9	0.9	--	0.4	2.1
1968	0.3	0.3	--	0.1	0.6
1969	0.3	0.6	--	0.1	1.1
1970	0.6	0.4	--	0.2	1.2
1971	0.5	0.6	--	<0.1	1.1
1972	1.3	1.1	--	<0.1	2.4
1973	1.4	0.4	--	<0.1	1.8
1974	0.9	0.3	--	<0.1	1.2
1975	0.5	0.3	--	<0.1	0.8
1976	1.2	0.3	--	<0.1	1.5
1977	0.1	0.6	--	<0.1	0.8
1978	1.5	0.4	--	<0.1	1.9
1979	0.1	0.1	--	<0.1	0.3
1980	0.2	0.3	--	<0.1	0.5
1981	1.4	0.1	--	<0.1	1.5
1982	1.8	1.1	--	<0.1	2.9
1983	0.2	0.3	--	0.1	0.6
1984	1.8	0.5	--	0.1	2.3

Table 62. Continued

Year	Commercial Catch Zones 1-5 1/	Natural Spawners 2/	Hatchery Returns 3/	Bonneville Dam Count	Minimum Run
1985	0.7	0.5	--	0.1	1.3
1986	1.8	1.1	0.1	0.1	3.0
1987	1.3	1.0	0.1	0.1	2.5
1988	2.5	1.9	0.3	0.1	4.8
1989	1.3	0.4	0.2	<0.1	2.0
1990	0.8	0.8	1.2	<0.1	2.9
1991	0.4	0.7	0.2	<0.1	1.3
1992	0.7	3.3	0.9	<0.1	4.9
1993	<0.1	1.4	3.0	<0.1	4.5
1994	<0.1	0.5	0.7	<0.1	1.2
1995	<0.1	0.9	0.5	<0.1	1.5
1996	<0.1	3.0	0.3	<0.1	3.3
1997	<0.1	1.6	<0.1	<0.1	1.7
1998	<0.1	1.8	<0.1	0.1	1.9
1999	0.1	2.1	<0.1	0.1	2.4
2000	<0.1	2.4	<0.1	<0.1	2.5
2001	0.1	5.3	<0.1	<0.1	5.5
2002	<0.1	11.4	0.3	0.2	11.9

1/ Includes Youngs Bay (1963-present), other SAFE sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

2/ Unadjusted index area counts in Washington lower Columbia River tributaries. Population estimates based on the index counts are currently unavailable.

3/ Hatchery returns before 1986 are currently unavailable. Listed returns are for Sea Resources Resources Hatchery (1986-present), Abernathy Hatchery (1990), Cowlitz and Elochomon hatcheries (2000).

Table 63. Columbia River Chum Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5 1/		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1938	1,909.4	156.5	6.0	0.5	1,915.4	157.0
1939	1,154.2	94.6	20.2	1.7	1,174.4	96.3
1940	1,252.7	102.7	0.8	0.1	1,253.5	102.8
1941	4,149.8	340.1	0.0	0.0	4,149.8	340.1
1942	5,190.1	425.4	1.0	0.1	5,191.1	425.5
1943	959.9	78.7	0.0	0.0	959.9	78.7
1944	275.4	22.6	0.0	0.0	275.4	22.6
1945	588.8	48.3	0.0	0.0	588.8	48.3
1946	886.6	72.7	0.0	0.0	886.6	72.7
1947	496.2	40.7	0.0	0.0	496.2	40.7
1948	1,044.8	85.6	0.0	0.0	1,044.8	85.6
1949	541.6	44.4	3.4	0.3	545.0	44.7
1950	699.8	57.4	0.4	0.1	700.2	57.5
1951	519.7	42.6	12.6	1.0	532.3	43.6
1952	308.5	25.3	0.1	0.0	308.6	25.3
1953	249.2	20.4	0.0	0.0	249.2	20.4
1954	320.0	26.2	0.0	0.0	320.0	26.2
1955	125.6	10.3	0.0	0.0	125.6	10.3
1956	45.7	3.7	0.0	0.0	45.7	3.7
1957	32.1	2.7	0.0	0.0	32.1	2.7
1958	89.3	7.4	0.0	0.0	89.3	7.4
1959	42.9	3.5	0.0	0.0	42.9	3.5
1960	15.3	1.3	0.0	0.0	15.3	1.3
1961	16.9	1.3	0.4	0.1	17.3	1.4
1962	48.1	3.9	0.0	0.0	48.1	3.9
1963	15.3	1.2	0.0	0.0	15.3	1.2
1964	23.8	1.9	0.1	0.0	23.9	1.9
1965	6.1	0.5	0.0	0.0	6.1	0.5
1966	11.0	0.9	0.0	0.0	11.0	0.9
1967	9.7	0.9	0.0	0.0	9.7	0.9
1968	3.3	0.3	0.1	0.0	3.4	0.3
1969	4.0	0.3	0.0	0.0	4.0	0.3
1970	8.0	0.6	0.0	0.0	8.0	0.6
1971	5.9	0.5	0.0	0.0	5.9	0.5
1972	16.0	1.3	0.0	0.0	16.0	1.3
1973	18.0	1.4	0.0	0.0	18.0	1.4
1974	10.7	0.9	0.0	0.0	10.7	0.9

Table 63. Continued

Year	Zones 1-5 1/		Zone 6		Zones 1-6	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	5.7	0.5	0.0	0.0	5.7	0.5
1976	16.9	1.2	0.0	0.0	16.9	1.2
1977	2.3	0.1	0.0	0.0	2.3	0.1
1978	20.4	1.5	0.0	0.0	20.4	1.5
1979	1.6	0.1	0.0	0.0	1.6	0.1
1980	3.1	0.2	0.0	0.0	3.1	0.2
1981	18.5	1.4	0.0	0.0	18.5	1.4
1982	22.3	1.8	0.0	0.0	22.3	1.8
1983	2.0	0.2	0.0	0.0	2.0	0.2
1984	22.1	1.8	0.0	0.0	22.1	1.8
1985	7.5	0.7	0.0	0.0	7.5	0.7
1986	20.2	1.8	0.0	0.0	20.2	1.8
1987	14.1	1.3	0.0	0.0	14.1	1.3
1988	30.2	2.5	0.0	0.0	30.2	2.5
1989	17.3	1.3	0.0	0.0	17.3	1.3
1990	9.4	0.8	0.0	0.0	9.4	0.8
1991	4.2	0.4	0.0	0.0	4.2	0.4
1992	6.9	0.7	0.0	0.0	6.9	0.7
1993	0.5	<0.1	0.0	0.0	0.5	<0.1
1994	0.5	<0.1	0.0	0.0	0.5	<0.1
1995	0.1	<0.1	0.0	0.0	0.1	<0.1
1996	0.3	<0.1	0.0	0.0	0.3	<0.1
1997	0.5	<0.1	0.0	0.0	0.5	<0.1
1998	0.1	<0.1	0.0	0.0	0.1	<0.1
1999	1.2	0.1	0.0	0.0	1.2	0.1
2000	0.3	<0.1	0.0	0.0	0.3	<0.1
2001	1.3	0.1	0.0	0.0	1.3	0.1
2002	0.1	<0.1	0.0	0.0	0.1	<0.1

1/ Includes Youngs Bay (1963-present), other select area sites (1996-present), and Washington terminal (1980-82) fisheries' landings.

Table 64. Abundance Index (in Thousands) for Columbia River Winter Steelhead, 1953-2002. 1/

Run Year	Zones 1-5 Comm. Catch 2/	Zones 6 Comm. Catch 3/	Main-stem and Trib. Sport Catch	Dam Counts 4/	Hatchery Returns 5/	Index Total
1953-54	23.4	--	48.2	5.2	--	76.8
1954-55	16.4	--	31.3	2.1	--	49.8
1955-56	11.6	--	38.4	6.0	--	56.0
1956-57	10.7	--	30.9	9.6	--	51.2
1957-58	6.8	--	37.7	10.2	0.1	54.8
1958-59	7.0	--	34.2	6.6	0.6	48.4
1959-60	6.3	--	49.1	5.0	0.6	61.0
1960-61	9.6	--	34.4	11.8	0.7	56.5
1961-62	9.9	--	57.7	25.0	1.8	94.4
1962-63	7.8	--	54.1	14.1	2.7	78.7
1963-64	5.4	--	52.6	18.2	3.2	79.4
1964-65	9.5	--	46.4	21.5	2.5	79.9
1965-66	8.0	--	76.6	30.8	4.9	120.3
1966-67	8.4	--	76.4	38.4	9.9	133.1
1967-68	8.4	--	70.0	24.2	8.9	111.5
1968-69	12.8	--	77.6	24.8	7.3	122.5
1969-70	3.6	--	46.1	9.9	7.2	66.8
1970-71	5.0	--	88.9	31.0	9.6	134.5
1971-72	8.6	--	124.1	26.1	10.4	169.2
1972-73	2.3	--	79.4	19.8	11.5	113.0
1973-74	2.4	--	58.7	16.3	13.5	90.9
1974-75	0.1	--	54.7	7.7	15.2	77.7
1975-76	--	--	40.5	10.6	10.9	62.0
1976-77	--	--	33.4	15.1	6.9	55.4
1977-78	--	--	67.3	22.7	22.1	112.1
1978-79	--	--	43.9	12.0	21.2	77.1
1979-80	--	0.5	71.1	27.6	14.9	114.1
1980-81	--	0.6	47.2	23.5	9.3	80.6
1981-82	--	1.2	41.5	17.1	7.2	67.0
1982-83	--	0.6	29.9	12.8	2.7	46.0
1983-84	--	1.5	41.8	20.8	3.6	67.7
1984-85	--	0.7	64.9	24.6	4.2	94.4
1985-86	--	1.0 6/	47.7	25.5	3.1	77.3
1986-87	--	1.5	58.2	21.9	3.4	85.0
1987-88	--	1.0	54.6	28.6	7.5	91.7
1988-89	--	0.3	38.9	13.8	6.3	59.3
1989-90	--	0.2	41.8	15.5	10.5	68.0

Table 64. Continued

Run Year	Zones 1-5 Comm. Catch 2/	Zones 6 Comm. Catch 3/	Main-stem and Trib. Sport Catch	Dam Counts 4/	Hatchery Returns 5/	Index Total
1990-91	--	0.2	28.8	7.6	8.1	44.7
1991-92	--	0.2	43.1	10.4	9.5	63.2
1992-93	--	0.1	40.0	6.4	9.4	55.9
1993-94	--	<0.1	21.4	8.1	6.9	36.4
1994-95	--	<0.1	29.0	7.5	15.7	52.2
1995-96	--	<0.1	13.1	2.7	4.3	20.1
1996-97	--	<0.1	9.4	6.5	10.6	26.5
1997-98	--	<0.1	6.4	5.1	3.8	15.3
1998-99	--	<0.1	7.5	8.0	8.1	23.6
1999-2000	--	<0.1	10.1	6.2	7.0	23.3
2000-01	--	<0.1	(10.1)	15.2	5.1	(30.4)
2001-02	--	<0.1	NA	(21.6)	(18.5)	(40.1)
2002-03	--	<0.1	NA	(12.2)	(6.9)	(19.1)

1/ Escapement data not available for tributaries.

2/ Sale of steelhead by non-Indians prohibited since 1975.

3/ Prior to 1980, number of winter steelhead taken in treaty Indian fisheries is unknown.

4/ Marmot Dam on the Sandy R. (1955-56 through 1969-70 and since 1977-78), North Fork Dam on the Clackamas R. (since 1957-58), Mayfield Dam on the Cowlitz R. (1961-62 through 1968-69), and Willamette Falls on the Willamette R. (since 1953-54). Willamette Falls counts prior to 1965-66 are minimal values because they are limited to steelhead counts made in conjunction with the spring chinook counting period.

5/ Big Creek (since 1957-58), Klaskanine (since 1961-62, excluding 1964-65 and 1965-66), Eagle Creek (since 1957-58), Cowlitz Trout (since 1969-70), Beaver Creek and Skamania (since 1987-88), Cowlitz Salmon (since 1995-96), Lewis (since 1995-96), and Merwin (since 1995-96) hatcheries.

6/ Treaty Indian winter season not sampled in 1986, estimate based on proportion in prior years.

() indicates preliminary.

NA indicates not available.

Table 65. Minimum Numbers (in Thousands) of Upriver Summer Steelhead, Combined with the Lower River Run, to Form the Total Summer Steelhead Run Entering the Columbia River, 1928-2002.

Year	Catch by Zone			L. Col. Sport Catch 4/	Bonneville Count 5/	Upriver Run	Zone 6 Escape- ment	Minimum Lower River Run 6/	Minimum Run
	1-5	6							
	Comm. 1/	Comm. 2/	C&S 3/						
1938	143.0	38.1	--	--	106.6	249.6	68.5	--	249.6
1939	111.0	25.8	--	--	121.0	232.0	95.2	--	232.0
1940	239.8	52.9	--	--	183.0	422.8	130.1	--	422.8
1941	221.8	54.1	--	--	115.0	336.8	60.9	--	336.8
1942	146.9	41.5	--	--	150.3	297.2	108.8	--	297.2
1943	125.2	31.8	--	--	90.8	216.0	59.0	--	216.0
1944	134.3	42.0	--	--	98.0	232.3	56.0	--	232.3
1945	153.8	38.0	--	--	114.6	268.4	76.6	--	268.4
1946	130.1	45.8	--	--	137.9	268.0	92.1	--	268.0
1947	129.4	38.9	--	--	132.4	261.8	93.5	--	261.8
1948	103.4	43.1	--	--	136.7	240.1	93.6	--	240.1
1949	45.7	36.7	--	--	116.8	162.5	80.1	--	162.5
1950	66.9	25.0	--	--	112.1	179.0	87.1	--	179.0
1951	104.4	37.5	--	--	140.1	244.5	102.6	--	244.5
1952	123.0	57.2	--	--	260.1	383.1	202.9	--	383.1
1953	139.6	65.9	--	--	221.7	361.3	155.8	--	361.3
1954	114.5	23.5	--	--	175.0	289.5	151.5	--	289.5
1955	101.7	48.7	--	--	197.1	298.8	148.4	--	298.8
1956	71.6	27.9	--	--	129.1	200.7	101.2	--	200.7
1957	91.6	0.2	--	--	138.0	229.6	137.8	--	229.6
1958	80.5	4.1	--	--	130.7	211.2	126.6	--	211.2
1959	103.0	0.8	--	--	128.6	231.6	127.8	--	231.6
1960	86.7	1.3	--	--	113.1	199.8	111.8	--	199.8
1961	89.2	1.5	--	--	138.7	227.9	137.2	--	227.9
1962	88.7	0.5	--	--	163.0	251.7	162.5	--	251.7
1963	100.4	8.5	--	--	128.4	228.8	119.9	--	228.8
1964	43.7	6.7	--	18.7	116.2	178.6	109.5	--	178.6
1965	41.6	13.2	--	20.1	165.6	227.3	152.4	--	227.3
1966	36.3	3.1	--	30.0	142.3	208.6	139.2	--	208.6
1967	25.9	15.8	--	21.4	120.0	167.3	104.2	--	167.3
1968	27.1	9.4	--	28.0	106.1	161.2	96.7	--	161.2
1969	21.3	14.1	--	11.3	140.3	172.9	126.2	18.3	191.2
1970	16.1	13.2	--	9.4	113.0	138.5	99.8	18.5	157.0
1971	20.6	25.7	--	10.8	193.1	224.5	167.4	24.0	248.5
1972	24.9	28.9	--	15.4	185.3	225.5	156.4	32.3	257.8
1973	22.7	26.8	--	8.5	156.7	187.9	129.9	29.1	217.0
1974	4.0	13.2	--	5.5	135.2	144.8	122.0	24.1	168.9
1975	--	7.8	--	0.0	84.1	84.1	76.3	21.3	105.4
1976	--	11.8	--	0.0	122.4	122.4	110.6	25.4	147.8
1977	--	36.0	--	3.7	191.7	195.4	155.7	43.1	238.5
1978	--	19.1	--	1.5	102.3	103.8	83.2	50.7	154.5
1979	--	8.5	0.4	1.2	112.4	113.5	103.5	32.8	146.3

Table 65. Continued

Year	Catch by Zone			L. Col. Sport Catch 4/	Bonneville Count 5/	Upriver Run	Zone 6 Escape- ment	Minimum Lower River Run 6/	Minimum Run
	1-5 Comm. 1/	6							
	Comm. 2/	C&S 3/							
1980	--	9.6	0.5	2.0	127.6	129.6	117.5	47.8	177.4
1981	--	9.4	0.6	3.2	157.9	161.1	147.9	56.6	217.7
1982	--	8.3	0.7	2.6	156.2	158.8	147.2	49.1	207.9
1983	--	18.3	0.4	2.9	217.5	220.5	198.8	19.7	240.2
1984	--	78.2	1.6	5.4	314.5	319.9	234.7	68.5	388.4
1985	--	87.0	4.3	6.1	342.4	348.4	251.1	56.9	405.3
1986	--	70.6	2.6	8.0	376.4	384.3	303.2	89.9	474.2
1987	--	82.6	3.4	4.9	301.0	305.9	215.0	58.4	364.3
1988	--	77.7	4.1	7.7	277.2	284.9	195.4	77.9	362.8
1989	--	54.9	10.9	6.4	286.4	292.8	220.6	35.0	327.8
1990	--	31.1	5.7	4.0	181.5	185.5	144.7	61.9	247.4
1991	--	41.7	7.0	6.0	273.2	279.2	224.5	31.8	311.0
1992	--	52.8	6.7	10.2	313.9	324.1	254.4	48.0	372.1
1993	--	28.8	4.5	8.5	187.3	195.8	154.0	47.0	242.8
1994	--	15.9	2.9	4.0	160.8	164.8	142.0	47.3	212.1
1995	--	14.8	8.0	6.8	201.5	208.3	178.7	38.8	247.1
1996	--	13.6	9.6	5.1	204.0	209.1	180.7	34.9	244.0
1997	--	17.1	10.7	5.2	256.8	262.0	229.0	30.5	292.5
1998	--	9.4	7.5	3.7	184.4	188.1	167.5	28.5	216.6
1999	--	9.3	11.3	5.8	205.7	211.5	185.1	24.3	235.8
2000	--	12.4	5.2	8.2	274.2	282.4	256.6	(34.5)	(316.9)
2001	--	23.4	14.6	9.5	630.2	639.7	592.2	(49.7)	(689.4)
2002	--	12.9	6.3	7.5	478.0	485.5	458.8	(67.6)	(553.1)

1/ Sale of steelhead by non-Indians prohibited since 1975.

2/ In 1972-1983, includes the winter season catch during the winter season in the following year. Since 1983, includes fresh summer runs in same year plus holdover summers in following winter seasons. Includes small landings of ticketed and non-ticketed summer steelhead from the spring seasons since 1999 and from the summer season since 2001.

No significant winter season landings occurred prior to 1973. (Beginning in 1991, includes all non-ticket catch, including direct public sales which became significant in 1995 and increased in 1997 when sales were allowed in Oregon.)

3/ Treaty Indian main-stem subsistence and ceremonial catches not enumerated prior to 1979.

4/ Beginning in 1977, May and June catches are included in lower river run. Beginning in 1992, includes Buoy 10 catches.

5/ Count period is April 1 to October 31.

6/ Minimum lower river run comprised of hatchery returns, tributary dam counts, tributary sport catches, and since 1977, May-June lower Columbia sport catch.

() indicates preliminary.

Table 66. Minimum Numbers (in Thousands) of Lower River Summer Steelhead Entering the Columbia River, 1969-2002.

Year	L. Columbia Sport Catch (May-June) 1/	Tributary Dam Counts 2/	Hatchery Returns 3/	Tributary Sport Catch 4/		Minimum Run
				OR	WA	
1969	0.0	0.0	3.6	--	14.7	18.3
1970	0.0	0.1	4.6	--	13.8	18.5
1971	0.0	2.3	4.4	--	17.3	24.0
1972	0.0	0.9	5.6	--	25.8	32.3
1973	0.0	1.8	2.7	--	24.6	29.1
1974	0.0	5.7	3.9	--	14.5	24.1
1975	0.0	5.2	4.2	0.5	11.4	21.3
1976	0.0	5.4	3.2	0.5	16.3	25.4
1977	0.7	12.7	6.8	1.2	21.7	43.1
1978	1.2	20.2	5.7	2.1	21.5	50.7
1979	0.6	13.9	4.0	2.1	12.2	32.8
1980	0.3	20.5	5.1	3.8	18.1	47.8
1981	1.9	23.0	6.3	2.5	22.9	56.6
1982	1.8	19.2	5.8	3.6	18.7	49.1
1983	0.8	8.6	2.0	1.5	6.8	19.7
1984	2.7	43.7	4.6	6.2	11.3	68.5
1985	1.8	32.3	3.0	3.9	15.9	56.9
1986	3.0	53.3	2.3	4.4	26.9	89.9
1987	1.6	33.6	1.6	4.2	17.4	58.4
1988	2.7	50.7	3.3	7.0	14.2	77.9
1989	1.7	13.4	3.8	3.5	12.6	35.0
1990	2.2	31.8	5.6	5.1	17.2	61.9
1991	1.2	10.4	2.2	3.0	15.0	31.8
1992	1.2	23.1	3.1	3.0	17.6	48.0
1993	1.8	17.3	4.7	3.2	20.0	47.0
1994	1.2	15.4	5.6	2.1	23.0	47.3
1995	1.4	15.1	7.8	1.5	13.0	38.8
1996	1.2	7.8	9.8	1.0	15.1	34.9
1997	1.9	17.5	3.7	1.4	6.0	30.5
1998	1.2	15.3	5.6	1.4	5.0	28.5
1999	1.3	12.4	3.1	1.2	6.3	24.3
2000	1.6	13.1	8.2	(1.4)	(10.2)	(34.5)
2001	2.0	28.4	9.5	(1.3)	(8.5)	(49.7)
2002	4.4	35.2	28.0	NA	NA	(67.6)

1/ Beginning in 1977, May-June lower Columbia recreational catch determined to be mostly lower river stock.

2/ Willamette Falls (Willamette R.), North Fork Dam (Clackamas R.), and Marmot Dam (Sandy R.).

3/ Skamania, Lewis River, and Cowlitz hatcheries.

4/ From Oregon and Washington catch record estimates. Washington catches prior to 1975 not corrected for non-response bias.

() indicates preliminary.

Table 67. Minimum Numbers (in Thousands) of Group A and Group B Summer Steelhead Entering the Columbia River, 1969-2002.

Year	Lower Columbia Catch				Bonneville Dam Counts		Minimum Run		Total
	Sport 1/		Commercial 2/		Group A	Group B	Group A	Group B	
	Group A	Group B	Group A	Group B					
1969	9.3	2.0	11.4	9.9	104.1	36.2	124.8	48.1	172.9
1970	7.8	1.6	5.0	11.1	77.9	35.1	90.7	47.8	138.5
1971	9.1	1.7	6.7	13.9	140.6	52.5	156.4	68.1	224.5
1972	12.1	3.3	12.8	12.1	106.7	78.5	131.6	93.9	225.5
1973	6.7	1.8	6.3	16.4	99.2	57.5	112.2	75.7	187.9
1974	4.0	1.5	1.2	2.8	112.2	23.1	117.4	27.4	144.8
1975	0.0	0.0	--	--	70.5	13.6	70.5	13.6	84.1
1976	0.0	0.0	--	--	91.1	31.3	91.1	31.3	122.4
1977	2.2	1.5	--	--	112.5	79.2	114.7	80.7	195.4
1978	1.5	0.0	--	--	62.4	39.9	63.9	39.9	103.8
1979	1.2	0.0	--	--	78.1	34.2	79.3	34.2	113.5
1980	2.0	0.0	--	--	83.9	43.7	85.9	43.7	129.6
1981	2.7	0.5	--	--	120.7	37.2	123.4	37.7	161.1
1982	2.6	0.0	--	--	101.9	54.3	104.5	54.3	158.8
1983	2.8	0.1	--	--	148.4	69.2	151.2	69.3	220.5
1984	4.3	1.1	--	--	188.8	125.7	193.1	126.8	319.9
1985	4.1	2.0	--	--	250.7	91.6	254.8	93.6	348.4
1986	6.0	2.0	--	--	276.4	99.9	282.4	101.9	384.3
1987	3.4	1.5	--	--	222.8	78.3	226.2	79.8	306.0
1988	5.8	1.9	--	--	188.9	88.3	194.7	90.2	284.9
1989	4.7	1.7	--	--	170.8	115.6	175.5	117.3	292.8
1990	2.7	1.3	--	--	94.1	87.4	96.8	88.7	185.5
1991	3.2	2.8	--	--	149.9	123.3	153.1	126.1	279.2
1992	6.4	3.8	--	--	174.6	139.3	181.0	143.1	324.1
1993	3.8	4.7	--	--	99.2	88.1	103.0	92.8	195.8
1994	2.3	1.7	--	--	82.4	78.4	84.7	80.1	164.8
1995	4.7	2.1	--	--	123.3	78.2	128.0	80.3	208.3
1996	4.0	1.1	--	--	135.8	68.2	139.8	69.3	209.1
1997	4.6	0.6	--	--	174.8	82.0	179.4	82.6	262.0
1998	1.7	2.0	--	--	83.8	100.6	85.5	102.6	188.1
1999	3.7	2.1	--	--	137.9	67.8	141.6	69.9	211.5
2000	6.3	1.9	--	--	184.3	89.9	190.6	91.8	282.5
2001	7.8	1.7	--	--	434.0	196.2	441.8	197.9	639.7
2002	6.7	0.8	--	--	284.3	193.7	291.0	194.5	485.5

1/ Sport catch based on timing of the catch: Group A--May 1-Aug 15 (1969-76) and July 1-Aug 15 beginning in 1977; Group B--Aug 16-Oct 31. Includes catches from estuary recreational (Buoy 10) fishery beginning in 1992.

2/ Commercial catch of steelhead by non-Indians (1969-74) was based on timing of the catch: Group A--spring through first two fishing weeks of August; Group B--remainder of August through October. Sale of steelhead by non-Indians prohibited since 1975.

Table 68. Group A Index Steelhead Runs and Wild Portion at Bonneville Dam, Treaty Indian Catch of Wild Group A Index Steelhead in Zone 6, and Wild Group A Index Escapement from Zone 6 (in Thousands), 1984-2002.

Year	Group A Index Bonneville Dam Counts			Zone 6 Commercial Catch 1/ % of Wild Group A			Wild Group A Index Zone 6 Escapement
	Total	Wild		Group A Index	Wild Nos.	Index Run 2/	
		Nos.	% 2/				
1984	195.7	52.5	26.8	24.6	6.3	12.0	46.2
1985	281.5	51.9	18.4	53.2	10.8	20.7	41.1
1986	287.5	56.6	19.7	43.8	7.8	13.8	48.8
1987	238.3	106.7	44.8	47.9	16.8	15.7	89.9
1988	173.2	64.3	37.2	38.8	11.0	17.1	53.3
1989	193.1	57.5	29.8	34.0	9.2	15.9	48.3
1990	115.6	27.1	23.4	19.3	4.3	16.0	22.8
1991	234.1	60.3	25.7	33.9	8.8	14.7	51.5
1992	241.5	44.3	18.3	38.0	7.2	16.2	37.1
1993	136.7	28.7	21.0	20.4	4.4	15.2	24.3
1994	121.0	21.2	17.5	12.2	2.2	10.3	19.0
1995	180.0	26.0	14.4	18.7	2.7	10.4	23.3
1996	174.4	25.7	14.8	14.1	2.3	8.9	23.4
1997	208.2	30.9	14.8	20.8	3.2	10.4	27.7
1998	134.7	34.8	25.9	10.2	3.1	8.8	31.7
1999	176.5	56.6	32.1	14.7	4.3	7.6	52.3
2000	216.7	63.6	29.4	10.0	2.3	3.7	61.3
2001	515.1	137.2	26.6	22.9	5.5	4.0	131.7
2002	323.1	87.3	27.0	8.8	2.4	2.7	84.9

1/ Includes ticketed, non-ticketed, and C&S sales and landings from the fall treaty fishery in zone 6.

2/ Percentages calculated from non-rounded numbers.

Table 69. Group B Index Steelhead Runs and Wild Portion at Bonneville Dam, Treaty Indian Catch of Wild Group B Index Steelhead in Zone 6, and Wild Group B Index Escapement from Zone 6 (in Thousands), 1984-2002.

Year	Group B Index Bonneville Dam Counts			Zone 6 Commercial Catch 1/			Wild Group B Index Zone 6 Escapement
	Total	Wild		Group B Index	Wild Nos.	% of Wild Group B Index Run 2/	
		Nos.	% 2/				
1984	98.0	13.8	14.0	44.3	5.0	36.5	8.8
1985	40.9	13.0	31.8	19.4	4.0	31.0	9.0
1986	64.0	10.0	15.6	18.7	2.7	26.8	7.3
1987	45.0	14.0	31.1	18.4	5.2	37.2	8.8
1988	81.6	17.7	21.7	20.7	4.2	23.4	13.5
1989	77.6	12.4	15.9	21.5	4.3	35.0	8.1
1990	47.2	8.8	18.7	11.4	1.9	21.5	6.9
1991	28.3	6.2	22.0	7.3	1.9	30.0	4.3
1992	57.5	12.7	22.1	14.5	3.4	26.3	9.3
1993	36.2	4.4	12.1	8.4	0.8	19.2	3.6
1994	27.5	5.2	18.8	3.3	1.0	18.6	4.2
1995	13.2	1.9	14.0	1.7	0.3	18.4	1.6
1996	18.8	3.9	20.8	4.6	1.4	34.5	2.5
1997	36.7	3.9	10.7	1.9	0.6	14.3	3.3
1998	40.3	3.4	8.5	2.4	0.5	15.5	2.9
1999	22.1	3.7	16.9	2.7	0.5	12.6	3.3
2000	40.9	8.4	20.5	5.0	1.0	11.4	7.4
2001	86.4	12.1	13.9	6.3	1.4	11.7	10.7
2002	129.9	32.3	24.9	4.9	1.1	3.4	31.2

1/ Includes ticketed, non-ticketed, and C&S sales and landings from the fall treaty fishery in zone 6.

2/ Percentages calculated from non-rounded numbers.

Table 70. Columbia River Summer Steelhead Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5 1/		Zone 6				Zones 1-6	
	Pounds	Numbers	Ticketed 2/		Non-Ticketed		Pounds	Numbers
			Pounds	Numbers	Pounds 3/	Numbers 4/		
1938	1,287.3	143.0	343.3	38.1	--	--	1,630.6	181.1
1939	998.9	111.0	231.8	25.8	--	--	1,230.7	136.8
1940	2,158.2	239.8	475.7	52.9	--	--	2,633.9	292.7
1941	1,996.4	221.8	487.0	54.1	--	--	2,483.4	275.9
1942	1,321.9	146.9	373.5	41.5	--	--	1,695.4	188.4
1943	1,126.8	125.2	285.8	31.8	--	--	1,412.6	157.0
1944	1,208.4	134.3	378.0	42.0	--	--	1,586.4	176.3
1945	1,384.3	153.8	341.8	38.0	--	--	1,726.1	191.8
1946	1,171.0	130.1	412.5	45.8	--	--	1,583.5	175.9
1947	1,164.4	129.4	350.0	38.9	--	--	1,514.4	168.3
1948	931.0	103.4	388.2	43.1	--	--	1,319.2	146.5
1949	411.0	45.7	330.7	36.7	--	--	741.7	82.4
1950	601.9	66.9	224.9	25.0	--	--	826.8	91.9
1951	808.7	104.4	267.4	37.5	--	--	1,076.1	141.9
1952	911.0	123.0	417.0	57.2	--	--	1,328.0	180.2
1953	1,125.6	139.6	527.4	65.9	--	--	1,653.0	205.5
1954	1,039.5	114.5	208.6	23.5	--	--	1,248.1	138.0
1955	815.6	101.7	333.6	48.7	--	--	1,149.2	150.4
1956	508.2	71.6	179.2	27.9	--	--	687.4	99.5
1957	678.0	91.6	1.2	0.2	--	--	679.2	91.8
1958	588.9	80.5	28.3	4.1	--	--	617.2	84.6
1959	623.8	103.0	4.8	0.8	--	--	628.6	103.8
1960	662.0	86.7	7.8	1.3	--	--	669.8	88.0
1961	604.0	89.2	14.4	1.5	--	--	618.4	90.7
1962	633.1	88.7	3.4	0.5	--	--	636.5	89.2
1963	839.1	100.4	64.0	8.5	--	--	903.1	108.9
1964	324.6	43.7	52.9	6.7	--	--	377.5	50.4
1965	321.3	41.6	104.5	13.2	--	--	425.8	54.8
1966	312.5	36.3	14.8	3.1	--	--	327.3	39.4
1967	227.0	25.9	142.0	15.8	--	--	369.0	41.7
1968	261.4	27.1	91.6	9.4	--	--	353.0	36.5
1969	241.5	21.3	143.2	14.1	--	--	384.7	35.4
1970	154.6	16.1	117.3	13.2	--	--	271.9	29.3
1971	188.3	20.6	232.7	25.7	--	--	421.0	46.3
1972	252.1	24.9	326.1	28.8	--	--	578.2	53.7
1973	309.4	22.7	290.2	26.8	--	--	599.6	49.5
1974	44.1	4.0	116.8	12.9	--	--	160.9	16.9

Table 70. Continued

Year	Zones 1-5 1/		Zone 6				Zones 1-6	
	Pounds	Numbers	Ticketed 2/		Non-Ticketed		Pounds	Numbers
			Pounds	Numbers	Pounds 3/	Numbers 4/		
1975	--	--	74.5	7.0	--	--	74.5	7.0
1976	--	--	107.0	8.8	--	--	107.0	8.8
1977	--	--	438.6	31.4	--	--	438.6	31.4
1978	--	--	231.7	15.8	--	--	231.7	15.8
1979	--	--	65.1	8.5	--	--	65.1	8.5
1980	--	--	88.8	9.6	--	--	88.8	9.6
1981	--	--	91.8	9.4	--	--	91.8	9.4
1982	--	--	91.3	8.3	--	--	91.3	8.3
1983	--	--	146.3	18.3	--	--	146.3	18.3
1984	--	--	940.6	77.5	--	--	940.6	77.5
1985	--	--	775.9	88.0	--	--	775.9	88.0
1986	--	--	679.4	71.4	--	--	679.4	71.4
1987	--	--	790.1	82.6	--	--	790.1	82.6
1988	--	--	744.7	77.2	--	--	744.7	77.2
1989	--	--	548.5	55.0	--	--	548.5	55.0
1990	--	--	319.5	31.1	--	--	319.5	31.1
1991	--	--	314.7	39.0	23.0	2.9	337.7	41.9
1992	--	--	457.9	50.2	21.8	2.4	479.7	52.6
1993	--	--	260.3	27.3	12.2	1.3	272.5	28.6
1994	--	--	110.5	12.9	25.4	3.0	135.9	15.9
1995	--	--	82.4	10.7	31.4	4.1	113.8	14.8
1996	--	--	93.4	9.7	37.7	3.9	131.1	13.6
1997	--	--	69.6	9.2	60.0	7.9	129.6	17.1
1998	--	--	40.7	5.2	32.6	4.2	73.3	9.4
1999	--	--	33.1	4.4	36.8	4.9	69.9	9.3
2000	--	--	86.1	9.2	30.5	3.2	116.6	12.4
2001	--	--	127.4	15.7	64.3	7.9	191.7	23.6
2002	--	--	116.9	10.1	(41.1)	(3.5)	(158.0)	(13.6)

1/ Sale of steelhead by non-Indians prohibited since 1975.

2/ Annual Zone 6 landings are from June through May of the following year. Since 1973, small landings of winter steelhead from the winter season are included. Since 1999, small landings of summer steelhead from the spring season are included. Includes only ticket landings (sales to licensed buyers).

3/ Since 1991, annual non-ticketed fish poundage from the Fall Zone 6 fishery was estimated by applying average weights from ticketed sales to the non-ticketed numbers of the same year.

4/ Since 1991, annual non-ticketed Zone 6 numbers were obtained from the tribes based on sale receipts primarily from the Fall Treaty Indian Fishery. Includes only public sales portion of non-ticketed landings.

() indicates preliminary.

Table 71. Sport Catch (in Thousands) of Upriver Summer Steelhead in Mainstem Columbia River and Tributaries; by Oregon, Washington, and Idaho Anglers, by Run Year, 1979-2002.

Run Year	Oregon	Washington	Idaho	Total	Run Size
1979-80	7.0	11.9	2.8	21.7	113.5
1980-81	11.5	13.4	12.1	37.0	129.6
1981-82	11.2	21.9	10.9	44.0	161.1
1982-83	9.9	16.3	27.9	54.1	158.8
1983-84	14.0	23.3	28.1	65.4	220.5
1984-85	16.4	35.1	32.0	83.5	319.9
1985-86	18.5	36.8	32.6	87.9	348.4
1986-87	25.4	40.6	47.9	113.9	384.3
1987-88	26.3	25.2	18.0	69.5	306.0
1988-89	26.5	30.2	23.5	80.2	284.9
1989-90	27.4	32.8	48.9	109.1	292.8
1990-91	18.5	23.8	19.0	61.3	185.5
1991-92	36.2	36.6	28.6	101.4	279.2
1992-93	27.7	52.2	44.7	124.6	324.1
1993-94	20.1	29.3	27.9	77.3	195.8
1994-95	15.5	24.1	19.6	59.2	164.8
1995-96	22.8	38.8	22.1	83.7	208.3
1996-97	25.0	36.0	27.2	88.2	209.1
1997-98	28.4	39.8	35.9	104.1	262.0
1998-99	13.9	18.7	25.0	57.6	188.1
1999-2000	15.5	18.9	28.2	62.6	211.5
2000-2001	NA	(40.1)	35.9	(76.0)	282.4
2001-2002	NA	NA	103.3	(103.3)	639.7

() indicates preliminary.

NA denotes data not yet available.

Table 72. Columbia River and Tributary Smelt Commercial Landings (in Thousands of Pounds), 1938-2002.

Year	Columbia River 1/	Grays River	Cowlitz River	Kalama River	Lewis River	Sandy River	Total
1938	866.7	2.1	33.1	76.6	63.1	0.0	1,041.6
1939	721.6	35.7	996.4	0.0	1,342.7	0.0	3,096.4
1940	820.2	53.7	736.8	3.0	1,341.3	127.5	3,082.5
1941	193.2	0.0	1,793.0	0.0	377.0	168.6	2,531.8
1942	318.6	51.8	1,555.3	0.0	0.0	760.3	2,686.0
1943	643.0	3.7	2,972.5	0.0	273.2	84.9	3,977.3
1944	572.7	10.9	1,126.4	44.3	514.2	0.0	2,268.5
1945	633.3	59.2	2,048.4	32.5	1,552.8	1,393.1	5,719.3
1946	253.2	0.3	2,674.0	0.0	0.0	348.5	3,276.0
1947	352.3	0.0	1,192.6	0.0	0.0	0.0	1,544.9
1948	1,015.8	0.0	2,197.8	0.0	547.6	212.9	3,974.1
1949	919.1	0.3	0.8	0.0	1,940.9	472.5	3,333.6
1950	912.7	11.6	0.0	1.0	557.2	0.0	1,482.5
1951	1,337.6	0.0	0.0	0.0	0.0	179.3	1,516.9
1952	867.1	0.0	380.6	17.8	8.1	1.3	1,274.9
1953	439.3	15.6	795.4	2.8	0.0	457.9	1,711.0
1954	673.9	0.0	792.9	16.2	360.9	40.4	1,884.3
1955	887.5	0.0	1,349.6	0.0	0.0	0.0	2,237.1
1956	877.4	0.0	575.1	32.6	0.0	198.8	1,683.9
1957	377.5	2.2	987.8	0.0	0.0	211.5	1,579.0
1958	373.3	0.0	2,243.1	0.0	0.0	0.0	2,616.4
1959	760.0	0.0	62.3	44.1	889.7	0.0	1,756.1
1960	185.7	0.7	985.8	0.0	0.0	0.0	1,172.2
1961	466.4	0.0	585.9	0.0	0.0	0.0	1,052.3
1962	690.3	0.0	783.3	0.0	0.0	0.0	1,473.6
1963	222.3	21.3	833.5	0.0	0.0	0.0	1,077.1
1964	452.9	0.0	388.9	0.0	0.0	0.0	841.8
1965	828.7	0.0	0.0	0.0	82.0	0.0	910.7
1966	712.2	0.0	316.1	0.0	0.0	0.0	1,028.3
1967	357.1	23.2	620.5	0.0	0.0	0.0	1,000.8
1968	133.3	1.2	813.0	0.0	0.0	0.0	947.5
1969	113.7	52.8	917.2	0.0	0.0	0.0	1,083.7
1970	238.2	4.5	559.7	55.9	325.6	0.0	1,183.9
1971	364.5	0.0	509.4	0.0	902.8	0.0	1,776.7
1972	304.1	0.0	1,339.4	0.0	0.0	0.0	1,643.5
1973	132.0	0.0	2,302.4	0.0	0.0	0.0	2,434.4
1974	868.4	6.2	1,474.7	0.0	0.5	12.0	2,361.8
1975	28.3	0.0	2,049.3	0.0	0.0	0.0	2,077.6
1976	9.4	0.0	3,055.3	0.0	0.0	10.4	3,075.1
1977	662.7	0.0	0.0	326.2	0.0	764.1	1,753.0
1978	16.6	0.0	2,642.7	0.0	21.0	0.0	2,680.3
1979	313.6	0.0	18.2	0.0	233.3	591.6	1,156.7

Table 72. Continued

Year	Columbia River	Grays River	Cowlitz River	Kalama River	Lewis River	Sandy River	Total
1980	160.1	8.8	116.5	0.7	2,651.6	273.8	3,211.5
1981	158.2	0.0	932.5	0.0	567.1	14.5	1,672.3
1982	304.2	0.0	1,343.2	8.2	554.4	0.0	2,210.0
1983	58.7	0.0	1,307.3	0.0	1,364.4	0.0	2,730.4
1984	120.4	0.0	377.6	0.0	0.0	0.0	498.0
1985	537.8	34.9	1,160.8	0.0	0.0	304.5	2,038.0
1986	53.0	0.0	3,736.1	0.0	49.7	0.0	3,838.8
1987	73.6	0.0	1,321.0	0.7	500.4	0.0	1,895.7
1988	72.8	0.0	2,244.3	0.0	549.6	1.0	2,867.7
1989	65.2	0.0	3,001.6	0.0	0.0	0.0	3,066.8
1990	6.4	0.0	2,756.2	0.0	21.6	0.0	2,784.2
1991	5.8	0.0	2,944.6	0.0	0.0	0.0	2,950.4
1992	0.8	0.0	3,673.0	0.0	0.0	0.0	3,673.8
1993	33.2	0.0	413.9	66.8	0.0	0.0	513.9
1994	0.2	0.0	43.2	0.0	0.0	0.0	43.4
1995	7.7	0.0	431.4	0.9	0.0	0.0	440.0
1996	7.1	0.0	2.0	0.0	0.0	0.0	9.1
1997	37.1	0.0	21.5	0.0	0.0	0.0	58.6
1998	11.9	0.0	0.2	0.0	0.0	0.0	12.1
1999 2/	20.9	0.0	0.0	0.0	0.0	0.0	20.9
2000 2/	30.4	0.0	0.0	0.0	0.0	0.0	30.4
2001 3/	158.8	0.0	154.3	0.0	0.0	0.0	313.1
2002 3/	58.0	0.0	169.6	0.0	493.6	0.0	721.2

1/ Harvest in the lower Columbia River mainstem, by trawl and gillnet gears.

2/ Washington tributaries closed to commercial smelt fishing.

3/ Grays River closed to commercial smelt fishing.

Table 73. Minimum Numbers (in Thousands) of Shad Entering the Columbia River, 1938-2002.

Year	Kept Catch			Dam Counts		Minimum Run 2/
	Zones 1-5 Comm.1/	L. Col. Sport	L. Will. Sport	Bonneville	The Dalles	
1938	44.8	--	--	5.3	--	50.1
1939	93.5	--	--	4.8	--	98.3
1940	93.2	--	--	22.2	--	115.4
1941	100.3	--	--	18.7	--	119.0
1942	135.8	--	--	12.9	--	148.7
1943	85.7	--	--	2.8	--	88.5
1944	157.2	--	--	17.1	--	174.3
1945	234.1	--	--	94.5	--	328.6
1946	380.9	--	--	20.4	--	401.3
1947	344.3	--	--	26.0	--	370.3
1948	105.2	--	--	8.4	--	113.6
1949	114.5	--	--	22.6	--	137.1
1950	168.5	--	--	7.8	--	176.3
1951	108.3	--	--	8.4	--	116.7
1952	91.3	--	--	3.1	--	94.4
1953	73.5	--	--	16.4	--	89.9
1954	65.7	--	--	5.0	--	70.7
1955	76.0	--	--	5.8	--	81.8
1956	65.4	--	--	8.1	--	73.5
1957	40.0	--	--	13.2	5.1	53.2
1958	51.6	--	--	10.2	4.5	61.8
1959	36.2	--	--	6.7	4.3	42.9
1960	42.9	--	--	93.4	81.1	136.3
1961	108.2	--	--	265.7	113.2	373.9
1962	235.6	--	--	436.0	216.5	671.6
1963	213.2	--	--	389.8	161.0	603.0
1964	67.1	--	--	252.7	158.8	319.8
1965	87.2	--	--	617.3	346.3	704.5
1966	205.5	--	--	557.5	399.0	763.0
1967	221.8	--	--	222.5	139.0	444.3
1968	81.5	--	--	294.1	231.1	375.6
1969	45.5	5.9	--	317.4	305.9	368.8
1970	59.1	10.7	--	329.3	308.7	399.1
1971	40.3	6.1	--	189.6	187.5	236.0
1972	55.3	3.9	--	214.7	273.4	332.6
1973	49.0	7.0	--	519.2	781.0	837.0
1974	45.9	12.3	--	99.0	315.4	373.6

Table 73. Continued

Year	Kept Catch			Dam Counts		Minimum Run 2/
	Zones 1-5 Comm.1/	L. Col. Sport	L. Will. Sport	Bonneville	The Dalles	
1975	64.5	14.5	--	264.2	438.2	517.2
1976	60.9	15.9	10.7	305.2	508.9	596.4
1977	61.9	2.8	8.2	495.7	856.5	929.4
1978	113.6	15.7	5.8	861.2	1,234.7	1,369.8
1979	120.3	12.4	17.8	1,039.9	1,398.2	1,548.7
1980	23.2	24.3	15.5	939.4	1,160.8	1,223.8
1981	21.8	28.7	20.4	881.2	1,089.0	1,159.9
1982	75.0	33.9	21.7	780.2	1,002.8	1,133.4
1983	85.0	28.7	36.9	1,420.0	1,932.0	2,082.6
1984	18.1	22.3	19.9	1,275.8	1,190.0	1,336.1
1985	35.4	13.7	16.4	975.0	1,389.5	1,455.0
1986	88.2	18.9	5.9	858.2	1,361.9	1,474.9
1987	108.7	14.3	5.1	943.9	1,289.7	1,417.8
1988	108.5	27.5	11.5	1,164.3	2,008.6	2,156.1
1989	51.6	64.4	18.3	1,877.4	2,971.0	3,105.3
1990	167.8	113.8	23.5	2,947.9	3,706.9	4,012.0
1991	43.1	100.6	28.3	1,914.4	2,191.1	2,363.1
1992	141.4	88.3	16.3	2,551.4	2,824.3	3,070.3
1993	144.7	111.4	20.8	2,166.7	2,394.4	2,671.3
1994	57.7	103.8	33.2	1,557.6	1,801.5	1,996.2
1995	61.1	101.4	37.4	1,716.2	1,959.6	2,159.5
1996	61.1	129.7	66.4	1,924.7	2,648.6	2,905.8
1997	24.9	98.9	53.0	2,171.6	2,571.3	2,748.1
1998	24.5	83.4	37.9	1,891.0	2,149.1	2,294.9
1999	39.7	79.3	32.8	1,638.3	1,718.7	1,870.5
2000	30.5	58.0	54.3	1,244.3	1,556.6	1,699.4
2001	26.2	98.6	58.6	2,298.0	2,724.9	2,908.3
2002	37.1	148.2	26.8	3,164.6	3,218.1	3,430.2

1/ Includes numbers of shad caught in SAFE fisheries.

2/ Dam with largest count used in minimum run total.

Table 74. Columbia River Shad Commercial Landings (in Thousands), 1938-2002.

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds 1/	Numbers 1/	Pounds	Numbers	Pounds	Numbers
1938	168.0	44.8	1.7	0.4	169.7	45.2
1939	350.7	93.5	2.6	0.7	353.3	94.2
1940	349.7	93.2	14.7	3.9	364.4	97.1
1941	376.1	100.3	5.0	1.3	381.1	101.6
1942	509.3	135.8	9.6	2.6	518.9	138.4
1943	321.4	85.7	2.2	0.6	323.6	86.3
1944	589.8	157.2	3.3	0.9	593.1	158.1
1945	877.8	234.1	32.2	8.6	910.0	242.7
1946	1,428.7	380.9	14.0	3.7	1,442.7	384.6
1947	1,291.2	344.3	6.1	1.6	1,297.3	345.9
1948	394.5	105.2	0.9	0.2	395.4	105.4
1949	429.7	114.5	7.2	1.9	436.9	116.4
1950	631.9	168.5	1.2	0.3	633.1	168.8
1951	406.2	108.3	0.3	0.1	406.5	108.4
1952	342.4	91.3	0.3	0.1	342.7	91.4
1953	275.8	73.5	0.0	0.0	275.8	73.5
1954	246.4	65.7	0.0	0.0	246.4	65.7
1955	285.0	76.0	0.0	0.0	285.0	76.0
1956	245.4	65.4	0.1	0.0	245.5	65.4
1957	150.1	40.0	0.0	0.0	150.1	40.0
1958	193.4	51.6	0.0	0.0	193.4	51.6
1959	135.6	36.2	0.0	0.0	135.6	36.2
1960	160.9	42.9	9.4	2.5	170.3	45.4
1961	405.9	108.2	0.3	0.1	406.2	108.3
1962	883.5	235.6	10.9	2.9	894.4	238.5
1963	799.7	213.2	59.6	15.9	859.3	229.1
1964	251.8	67.1	53.5	14.2	305.3	81.3
1965	327.2	87.2	27.7	7.4	354.9	94.6
1966	770.6	205.5	15.8	4.2	786.4	209.7
1967	831.8	221.8	21.4	5.7	853.2	227.5
1968	305.7	81.5	5.1	1.4	310.8	82.9
1969	170.8	45.5	8.0	2.1	178.8	47.6
1970	228.1	59.1	22.6	6.4	250.7	65.5
1971	155.9	40.3	24.1	6.7	180.0	47.0
1972	216.7	55.3	16.8	4.9	233.5	60.2
1973	191.9	49.0	18.8	4.8	210.7	53.8
1974	180.7	45.9	14.5	3.6	195.2	49.5

Table 74. Continued

Year	Zones 1-5		Zone 6		Zones 1-6	
	Pounds 1/	Numbers 1/	Pounds	Numbers	Pounds	Numbers
1975	239.9	64.5	29.8	8.5	269.7	73.0
1976	232.8	60.9	71.1	19.4	303.9	80.3
1977	241.2	61.9	2.1	0.6	243.3	62.5
1978	441.6	113.6	18.7	5.6	460.3	119.2
1979	468.2	120.3	24.8	7.9	493.0	128.2
1980	88.9	23.2	0.7	0.2	89.6	23.4
1981	66.7	21.8	0.0	0.0	66.7	21.8
1982	291.4	75.0	6.0	1.5	297.4	76.5
1983	270.2	85.0	1.2	0.3	271.4	85.3
1984	57.1	18.1	8.8	3.1	65.9	21.2
1985	111.1	35.4	0.0	0.0	111.1	35.4
1986	308.5	88.2	2.4	0.7	310.9	88.9
1987	313.6	108.7	36.4	12.3	350.0	121.0
1988	326.4	108.5	59.0	19.2	385.4	127.7
1989	143.8	51.6	0.3	0.1	144.1	51.7
1990	450.2	167.8	0.5	0.2	450.7	168.0
1991	120.8	43.1	<0.1	<0.1	120.8	43.2
1992	395.2	141.4	0.8	0.3	396.0	141.7
1993	405.2	144.7	2.8	1.0	408.0	145.7
1994	155.7	57.7	30.7	15.3	186.4	73.0
1995	171.1	61.1	124.0	49.6	295.1	110.7
1996	158.8	61.1	561.0	282.8	719.8	343.9
1997	68.5	24.9	20.3	10.2	88.8	35.1
1998	70.7	24.5	60.4	24.2	131.1	48.7
1999	117.6	39.7	41.6	13.9	159.2	53.6
2000	88.4	30.5	0.2	0.1	88.6	30.6
2001	70.7	26.2	15.2	5.6	85.9	31.8
2002	100.2	37.1	29.0	14.5	129.2	51.6

1/ Includes shad caught in SAFE fisheries.

Table 75. Shad Angler Trips, sport Catch, and Catch/Trip on the Lower Columbia and Lower Willamette Rivers, 1974-2002.

Year	Lower Columbia River				Lower Willamette River			
	Angler Trips	Sport Catch		Catch per Trip	Angler Trips	Sport Catch		Catch per Trip
		Kept	Released			Kept	Released	
1974	4,554	12,263	--	2.7	--	--	--	--
1975	6,711	14,497	--	2.2	--	--	--	--
1976	5,614	15,877	--	2.8	--	10,700	--	--
1977	2,203	2,804	--	1.3	4,795	8,156	--	1.7
1978	3,726	15,683	--	4.2	4,024	5,756	--	1.4
1979	4,341	12,442	--	2.9	9,103	17,823	--	2.0
1980	6,005	24,280	--	4.0	11,375	15,456	--	1.4
1981	7,267	28,689	--	3.9	9,526	20,360	1,900	2.3
1982	6,632	33,914	1,428	5.3	13,401	21,691	1,900	1.8
1983	7,274	28,744	4,960	4.6	13,446	36,924	7,500	3.3
1984	7,982	22,270	1,700	3.0	10,058	19,894	3,200	2.3
1985	7,031	13,666	3,950	2.5	10,454	16,416	2,000	1.8
1986	6,475	18,914	5,045	3.7	7,629	5,857	1,000	0.9
1987	5,520	14,349	1,940	3.0	7,569	5,134	900	0.8
1988	6,744	27,455	2,566	4.5	7,003	11,485	3,800	2.2
1989	12,824	64,351	18,966	6.5	11,431	18,331	5,800	2.1
1990	18,983	113,831	21,841	7.1	11,137	23,467	10,600	3.1
1991	20,321	100,584	15,522	5.7	12,659	28,265	11,700	3.2
1992	20,977	88,295	11,506	4.8	11,314	16,295	10,300	2.4
1993	20,297	111,446	8,278	5.9	8,830	20,842	14,600	4.0
1994	16,152	103,788	10,284	7.1	13,955	33,222	14,100	3.4
1995	17,822	101,361	8,297	6.2	12,749	37,369	23,600	4.8
1996	15,935	129,759	4,516	8.4	21,200	66,400	42,500	5.1
1997	11,859	98,949	4,069	8.7	14,762	53,043	29,293	5.6
1998	13,147	83,355	5,503	6.8	14,389	37,944	24,700	4.4
1999	12,436	79,347	6,228	6.9	16,903	32,793	23,152	3.3
2000	10,790	57,953	5,664	5.9	23,823	54,348	30,900	3.6
2001	12,506	98,566	8,479	8.6	18,753	58,600	23,300	4.4
2002	17,869	148,164	21,697	9.5	9,613	26,811	10,219	3.9

Table 76. Sport Sturgeon Regulations on the Lower Columbia River.

Year	Daily Bag Limit	Size Limits	Other Rules
Pre-1940	None	None	None
1940	Only 3 <48"	"	"
1942	3 <48" & 2 ≥48"	"	"
1950	" "	30" min.-72" max.	"
1951	3 fish	"	"
1957	"	"	Cannot remove head or tail in field.
1958	"	36" min.-72" max.	
1980	"	"	<u>WA</u> --night fishing closure.
1983	"	"	<u>OR</u> --eggs must remain with carcass in field.
1986	2 fish	"	<u>OR</u> --sturgeon tag w/30 annual limit.
"	"	"	<u>OR</u> --N. Bradford Island angling deadline lowered.
"	"	"	<u>WA</u> --no gaffing.
1989	"	"	<u>WA</u> --sturgeon tag w/15 annual limit.
"	"	40" min.-72" max	(Effective Apr 1).
1990	"	"	Single-point barbless hooks.
"	"	"	<u>OR</u> —annual limit 15 and no gaffing.
1991	1 40-48" and 1 48-72"	"	
1992	"	"	<u>WA</u> --60" max. length (effective April 16, 1992 - April 15, 1993).
"	"	"	<u>WA</u> --Beacon Rock-Bonn. Dam sanctuary (effective April 16 - June 15,1992).
1994	"	42" min.-66" max.	Annual limit 10.
1995	"	"	Closed to retention Sept 1- Dec 31.
1996	1 fish as of April 1	"	Beacon Rock-Bonn. Dam sanctuary (closed to boat angling May and June).
1997-1998	1 fish	42" min.-60"max.	53,840 fish (80% of guideline) allocated to sport fishery.
1999	"	"	40,000 fish white sturgeon recreational harvest guideline.

Table 76. Continued

Year	Daily Bag Limit	Size Limits	Other Rules
2000	1 fish	42" min.-60"max.	40,000 fish white sturgeon recreational harvest guideline.
"	"	"	Oversized sturgeon may not be removed totally or in part from the water.
"	"	"	Annual limit is 10 fish even if the angler holds both a Washington and Oregon license.
"	"	"	Beacon Rock - Bonneville Dam sanctuary (closed to boat angling from May 1 through July 15).
"	"	"	Sturgeon retention prohibited from April 1 through April 30 (from powerlines at Wauna downstream to the mouth).
"	"	"	<u>WA</u> -- sturgeon catch record card requirement statewide.
2001	"	"	39,500 fish white sturgeon recreational harvest guideline
"	"	"	Closed to retention August 1 – September 30
2002	"	"	37,500 fish white sturgeon recreational harvest guideline
"	"	"	Closed to retention on Sundays and Mondays (March 3 – May 13)
"	"	"	Closed to retention seven days per week (July 25 – Nov. 22)

Table 77. Commercial Sturgeon Regulations on the Lower Columbia River.

Year	Size Limits	Gear and Other Restrictions
1899	48" min.	Chinese gang lines prohibited (snagging setlines).
1899-1908	"	Sturgeon sales closed.
1909	"	Sturgeon sales allowed during salmon seasons.
1938	"	Beacon Rock-Bonneville Dam sanctuary established.
1950	48" min.-72" max.	
1968	" "	Zone 6 became exclusive treaty Indian fishery.
1975-1982	" "	Setline seasons allowed outside of salmon seasons.
1983-1985	" "	Setline seasons phased out.
1983-1988	" "	Target sturgeon gill-net seasons (in-lieu of setlines).
1989	" "	Target sturgeon gill-net seasons eliminated.
1990-1992	" "	9-1/4" max. mesh restriction in late fall salmon seasons.
1991	" "	<u>WA</u> --adopted 2 lbs lead/fathom of leadline rule.
1992	" "	<u>WA</u> --adopted 60" max. length for fall seasons.
1993	48" min.-66" max.	9-1/4" max. mesh adopted as permanent rule, sturgeon sales closed during last 2 weeks of fall salmon season (6,000 catch expectation for 1993 reached).
1994	" "	Harvest ceiling of 6,000 for year, sturgeon sales closed after first day of fall salmon season.
1995-1996	" "	Annual harvest ceiling of 8,000 during salmon seasons, of which not more than 6,800 (85%) may be taken in fall fisheries.
1997-1998	48" min.-60" max. (whites) and 48" min.-66" max. (greens)	Annual recreational and commercial catch guidelines formalized with the adoption of the Olympia Accord. Allocated 20% (13,460 white sturgeon) of harvest guideline to the commercial fishery. White sturgeon gillnet target seasons allowed. Green sturgeon target seasons not allowed. 9-3/4" max. mesh adopted as permanent rule.
1999-2000	"	Annual commercial guideline of 10,000 white sturgeon.
2001	"	Annual harvest guideline of 9,100 white sturgeon.
2002	"	Annual harvest guideline of 9,800 white sturgeon.

Table 78. Columbia River Catch (in Thousands of Fish) of White Sturgeon, 1969-2002.

Year	Zones 1-5 Commercial		L. Col. Sport	Zone 6 Commercial		Treaty Subsistence 4/	Zone 6 Sport 5/	Total
	Gill Net 1/	Setline 2/		Gill Net	Setline 3/			
1969	7.5	--	6.9	0.4	--	--	--	14.8
1970	6.3	--	8.9	0.4	--	--	--	15.6
1971	7.2	--	3.7	0.7	--	--	--	11.6
1972	7.6	--	6.6	0.7	--	--	--	14.9
1973	10.7	--	12.9	1.1	--	--	--	24.7
1974	10.7	--	12.3	0.5	--	--	--	23.5
1975	13.0	1.0	18.1	0.6	--	--	--	32.7
1976	18.1	4.7	19.3	0.4	0.2	--	--	42.7
1977	8.9	0.8	25.8	0.3	0.3	--	--	36.1
1978	8.8	1.0	30.4	0.4	0.3	--	--	40.9
1979	18.5	2.0	31.4	0.6	0.7	--	--	53.2
1980	6.8	2.6	27.0	0.4	1.4	--	5.0	43.2
1981	10.8	4.1	27.2	0.3	1.8	--	5.0	49.2
1982	7.0	4.6	25.1	0.2	1.1	--	5.0	43.0
1983	9.5	2.9	36.0	0.3	1.1	--	5.0	54.8
1984	15.7	1.8	42.0	1.1	1.7	--	5.0	67.3
1985	7.6	0.8	43.8	3.0	2.0	--	5.0	62.2
1986	11.6	--	49.8	6.2	3.3	--	5.0	75.9
1987	9.7	--	62.4	7.9	3.2	--	6.7	89.9
1988	6.8	--	43.1	3.8	0.4	--	3.3	57.4
1989	5.0	--	25.4	3.1	0.4	0.5	4.0	38.4
1990	5.3	--	17.3	3.1	0.3	--	3.1	29.1
1991	3.8	--	22.7	1.2	0.3	--	2.6	30.6
1992	6.2	--	40.1	0.6	1.0	0.2	2.0	50.1
1993	8.1	--	37.9	2.0	<0.1	0.3	2.6	50.9
1994	6.4	--	33.5	1.5	0.1	0.7	2.6	44.7
1995	6.2	--	45.1	2.1	0.1	1.1	1.5	56.1
1996	8.4	--	42.8	0.5	1.1	0.3	1.5	54.6
1997	12.8	--	38.2	2.6	1.0	0.2	2.1	56.9
1998	13.9	--	41.8	2.8	0.9	0.2	3.1	62.7
1999	9.5	--	39.8	1.7	1.4	0.2	2.4	55.0
2000	10.9	--	40.5	2.2	1.1	0.3	2.5	57.5
2001	9.3	--	41.2	2.4	0.9	0.5	2.4	56.7
2002	9.6	--	38.3	1.5	0.5	0.4	2.6	52.9

1/ Target sturgeon gill-net seasons did not occur between 1989-96. Target seasons reoccurred in 1997.

Includes Youngs Bay landings and Washington terminal fisheries' landings.

2/ Prior to 1975 minor setline landings are included in gill-net totals. Setline fishing prohibited in Zones 1-5 since 1986.

3/ Minor setline landings during 1969-75 are included in gill-net totals. Minor hook and line landings since 1988 are included in setline totals.

4/ Subsistence catch estimates are not available for years prior to 1992, except for 1989.

5/ Sport catch estimates for 1980-86 are based on limited creel surveys. Estimates are not available for years previous to 1980.

Table 79. Columbia River White and Green Sturgeon Commercial Landings (in Thousands), 1938-2002.

Year	White Sturgeon						Green Sturgeon	
	Zones 1-5 1/		Zone 6		Zones 1-6		Total	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1938	28.5	--	39.1	--	67.6	--	10.8	--
1939	45.7	--	28.2	--	73.9	--	16.1	--
1940	54.2	--	29.7	--	83.9	--	15.3	--
1941	60.6	--	24.0	--	84.6	--	10.1	--
1942	58.5	--	36.7	--	95.2	--	5.5	--
1943	86.0	--	30.1	--	116.1	--	6.1	--
1944	178.5	--	58.5	--	237.0	--	11.1	--
1945	195.6	--	70.5	--	266.1	--	19.0	--
1946	211.9	--	99.6	--	311.5	--	16.9	--
1947	215.7	--	159.4	--	375.1	--	11.8	--
1948	388.1	--	187.3	--	575.4	--	11.3	--
1949	249.2	--	142.6	--	391.8	--	18.9	--
1950	266.8	--	60.3	--	327.1	--	33.0	--
1951	225.5	--	31.9	--	257.4	--	22.3	--
1952	233.4	--	37.5	--	270.9	--	35.1	--
1953	322.7	--	23.9	--	346.6	--	34.7	--
1954	293.5	--	17.6	--	311.1	--	30.1	--
1955	202.8	--	20.1	--	222.9	--	70.8	--
1956	227.6	--	16.3	--	243.9	--	50.7	--
1957	303.6	--	8.1	--	311.7	--	112.8	--
1958	240.4	--	19.7	--	260.1	--	76.6	--
1959	167.5	--	35.9	--	203.4	--	192.2	--
1960	173.1	4.3	11.0	0.2	184.1	4.5	71.3	1.8
1961	174.0	4.4	9.3	0.2	183.3	4.6	119.2	3.0
1962	196.5	4.9	4.1	0.1	200.6	5.0	65.3	1.6
1963	207.8	5.2	4.2	0.1	212.0	5.3	50.3	1.2
1964	135.8	3.4	3.8	0.1	139.6	3.5	30.0	0.8
1965	150.1	3.8	7.9	0.2	158.0	4.0	32.4	0.8
1966	221.2	5.5	5.0	0.1	226.2	5.6	70.9	1.8
1967	151.1	3.8	8.6	0.2	159.7	4.0	46.1	1.1
1968	141.1	3.5	10.6	0.2	151.7	3.7	24.7	0.6
1969	293.4	7.5	16.6	0.4	310.0	7.9	68.4	1.7
1970	250.0	6.3	15.3	0.4	265.3	6.7	51.1	1.3
1971	280.2	7.2	31.3	0.7	311.5	7.9	52.4	1.3
1972	297.5	7.6	30.5	0.7	328.0	8.3	46.2	1.1
1973	389.5	10.7	41.5	1.1	431.0	11.8	34.5	1.3
1974	345.0	10.7	26.6	0.5	371.6	11.2	121.8	3.1

Table 79. Continued

Year	White Sturgeon						Green Sturgeon	
	Zones 1-5 1/		Zone 6		Zones 1-6		Total	
	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.	Lbs.	Nos.
1975	454.5	14.0	29.3	0.6	483.8	14.6	42.9	1.3
1976	732.7	22.8	24.4	0.6	757.1	23.4	89.5	3.0
1977	320.7	9.7	20.2	0.6	340.9	10.3	23.5	0.8
1978	288.5	9.8	20.7	0.7	309.2	10.5	48.7	1.7
1979	533.8	20.5	38.8	1.3	572.6	21.8	36.8	1.2
1980	263.2	9.4	53.4	1.8	316.6	11.2	44.6	1.7
1981	419.9	14.9	70.4	2.0	490.3	16.9	5.1	0.2
1982	353.0	11.6	44.8	1.3	397.8	12.9	24.4	0.8
1983	398.6	12.4	48.7	1.4	447.3	13.8	18.6	0.7
1984	524.4	17.5	88.3	2.8	612.7	20.3	84.5	2.7
1985	270.4	8.4	168.5	5.0	438.9	13.4	41.0	1.6
1986	373.9	11.6	322.1	9.5	696.0	21.1	180.6	6.0
1987	307.0	9.7	384.1	11.1	691.1	20.8	145.7	4.9
1988	217.1	6.8	136.6	4.2	353.7	11.0	114.1	3.3
1989	162.0	5.0	126.7	3.5	288.7	8.5	47.8	1.7
1990	176.2	5.3	115.5	3.4	291.7	8.7	64.9	2.2
1991	120.6	3.8	46.7	1.5	167.3	5.3	89.0	3.2
1992	172.4	6.2	54.1	1.6	226.5	7.8	62.3	2.2
1993	218.9	8.1	61.6	2.0	280.5	10.1	66.4	2.2
1994	167.5	6.4	46.8	1.6	214.3	8.0	6.4	0.2
1995	162.9	6.2	54.0	2.1	216.9	8.3	11.3	0.4
1996	229.5	8.4	43.3	1.6	272.8	10.0	19.6	0.6
1997	342.0	12.8	94.0	3.6	436.0	16.4	59.4	1.6
1998	380.1	13.9	96.6	3.7	476.7	17.6	31.2	0.9
1999	262.4	9.5	75.6	3.1	338.0	12.6	32.9	0.9
2000	300.4	10.9	84.8	3.3	385.2	14.2	44.3	1.2
2001	266.6	9.3	89.2	3.3	355.8	12.6	12.0	0.3
2002	286.5	9.6	51.3	2.0	337.8	11.6	5.5	0.2

1/ Includes Youngs Bay landings and other select area fisheries' landings.

Table 80. White Sturgeon Landings (in Thousands) by Season for the Lower Columbia River Non-Indian Commercial Fisheries, 1975-2002. 1/

Year	Winter		Summer 2/		Fall 3/		Setline 4/		Total	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	97.4	2.7	0.7	<0.1	324.3	10.3	32.1	1.0	454.5	14.0
1976	59.1	1.7	1.1	<0.1	513.4	16.4	159.1	4.7	732.7	22.8
1977	28.9	1.0	54.0	1.3	208.2	6.6	29.6	0.8	320.7	9.7
1978	67.8	2.1	0.1	<0.1	189.4	6.7	31.2	1.0	288.5	9.8
1979	87.7	2.7	--	--	392.8	15.8	53.3	2.0	533.8	20.5
1980	23.9	0.9	0.1	<0.1	166.1	5.9	73.1	2.6	263.2	9.4
1981	115.6	3.7	0.4	<0.1	189.0	7.1	114.9	4.1	419.9	14.9
1982	61.6	1.9	--	--	142.5	5.1	148.9	4.6	353.0	11.6
1983	119.5	3.8	0.1	<0.1	169.6	5.7	109.4	2.9	398.6	12.4
1984	186.2	5.9	<0.1	<0.1	287.6	9.8	50.6	1.8	524.4	17.5
1985	93.2	2.7	0.9	<0.1	150.1	4.9	26.2	0.8	270.4	8.4
1986	71.3	2.2	178.8	5.3	123.8	4.1	--	--	373.9	11.6
1987	58.6	1.6	0.7	<0.1	247.7	8.0	--	--	307.0	9.7
1988	66.2	2.0	0.4	<0.1	150.5	4.8	--	--	217.1	6.8
1989	15.6	0.5	--	--	146.4	4.5	--	--	162.0	5.0
1990	24.1	0.7	--	--	152.1	4.6	--	--	176.2	5.3
1991	26.3	0.8	--	--	94.3	3.0	--	--	120.6	3.8
1992	37.2	1.2	0.4	<0.1	134.8	5.0	--	--	172.4	6.2
1993	25.3	1.0	0.9	<0.1	192.7	7.1	--	--	218.9	8.1
1994	80.1	3.0	0.8	<0.1	86.5	3.4	--	--	167.4	6.4
1995	--	--	2.8	0.1	160.1	6.0	--	--	162.9	6.2
1996	21.7	0.8	24.4	0.9	183.3	6.7	--	--	229.4	8.4
1997	70.6	2.7	62.7	2.2	208.7	7.9	--	--	342.0	12.8
1998	70.2	2.7	85.4	3.0	224.4	8.2	--	--	380.0	13.9
1999	47.0	1.8	14.0	0.5	201.4	7.2	--	--	262.4	9.5
2000	62.0	2.3	93.7	3.3	144.7	5.3	--	--	300.4	10.9
2001	86.8	3.3	8.1	0.3	171.6	5.8	--	--	266.6	9.3
2002	81.5	3.0	9.2	0.3	195.8	6.2	--	--	286.5	9.6

1/ Target gill-net seasons did not occur from 1989-96.

2/ Includes Youngs Bay spring landings from 1992 to present. Also includes Tongue Pt. Basin and Blind Slough spring landings since 1998.

3/ Includes Youngs Bay and other select area fisheries' landings.

4/ Setline fishing prohibited in Zones 1-5 since 1986.

Table 81. Sturgeon Management Task Force ¹ Zone 6 Harvest Goals and Results, 1988-2002.

Year	Management Intent/Goal	Fishery	Management Actions Taken	Actual			
				Guidelines		Harvest	
1988	Reduce harvest by 22% of 1985-87 annual average	Sport	3 pools: 2/day, 40-72"	NA		3,340 (a 40% reduction)	
		Commercial	Reduce setline season (from 10 mo. to 4 mo.); No gill net sales in fall after Sept 3	NA		370 Setline; 3,780 Gill net; 4,150 Total (a 51% reduction)	
1989	Keep harvest at 1988 level	Sport	Same as 1988	NA		3,980	
		Commercial	Setline season 4 mo.; Gill net sales winter only	NA		440 Setline; 3,060 Gill net; 3,500 Total	
1990	Keep harvest at 1988 level	Sport	Barbless hooks; 15 fish annual limit; no gaffing	NA		3,060	
		Commercial	Setline season 4 mo.; Gill net sales winter and fall	NA		300 Setline; 3,200 Gill net; 3,500 Total	
1991	Limit harvest of 3' to 6' to: 15% in Bonn.; 10% in T. Dalles; 10% in J. Day	Sport	Bonn: 1/1, 40-72"; T. Dalles & J. Day: 1/day, 48-66"	1,350 Bonn.	2,270 Bonn.		
				100 T. Dalles	200 T. Dalles		
				100 J. Day	150 J. Day		
				1,550 Total	2,620 Total		
		Commercial	Setline season 2 mo.; Gill net sales winter only	1,250 Bonn.	1,000 Bonn.		
				300 T. Dalles	460 T. Dalles		
				100 J. Day	40 J. Day		
				1,650 Total	1,500 Total		

Table 81. Continued.

Year	Management Intent/Goal	Fishery	Management Actions Taken	Actual			
				Guidelines		Harvest	
1992	Same as 1991	Sport	OR -- No changes; WA -- 60" max. length Apr. 16 - Dec. 31	1,350	Bonn.	1,720	Bonn.
				100	T. Dalles	140	T. Dalles
				100	J. Day	150	J. Day
				1,550	Total	2,010	Total
		Commercial	Setline season 5 mo. Gill net sales winter through Mar. 5 only	1,250	Bonn.	1,150	Bonn.
				300	T. Dalles	430	T. Dalles
				100	J. Day	20	J. Day
				1,650	Total	1,600	Total
		Subsistence	Open all year, 36-72"		NA	210	
1993	Same as 1991-1992	Sport	OR -- No changes; WA -- 60" max. length Jan. 1 - Apr. 15	1,350	Bonn.	2,310	Bonn.
				100	T. Dalles	160	T. Dalles
				100	J. Day	140	J. Day
				1,550	Total	2,010	Total
		Commercial	Setline season 1 mo. Gill net sales winter only	1,250	Bonn.	1,420	Bonn.
				300	T. Dalles	580	T. Dalles
				100	J. Day	10	J. Day
				1,650	Total	2,010	Total
		Subsistence	Open all year, 36-72"	300		260	
1994	Same as 1991-1993	Sport	Bonn: 1/1, 42-66"; T.Dalles & J.Day: no changes; 10 fish annual limit; Emergency closure of Zone 6 to sport retention (catch and release allowed) Sept. 16 - Dec. 31	1,350	Bonn.	2,220	Bonn.
				100	T. Dalles	155	T. Dalles
				100	J. Day	235	J. Day
				1,550	Total	2,610	Total
		Commercial	Setline season 1 mo. Gill net sales winter only	1,250	Bonn.	1,175	Bonn.
				300	T. Dalles	310	T. Dalles
				100	J. Day	115	J. Day
				1,650	Total	1,600	Total
		Subsistence	Open all year, 36-72"	300		650	

Table 81. Continued.

Year	Management Intent/Goal	Fishery	Management Actions Taken	Actual			
				Guidelines		Harvest	
1995	Same as 1991-1994	Sport	Established retention season Jan. 1 - Jun 30. Emergency closure (catch and release allowed): Bonn. Apr. 25 - Dec. 31; T. Dalles & J. Day Jun. 1- Dec. 31	1,350	Bonn.	1,370	Bonn.
				100	T. Dalles	50	T. Dalles
				100	J. Day	90	J. Day
				1,550	Total	1,510	Total
1995	Same as 1991-1994	Commercial	Setline season 1 mo. Gill net sales winter only	1,250	Bonn.	1,420	Bonn.
				300	T. Dalles	310	T. Dalles
				100	J. Day	310	J. Day
				1,650	Total	2,040	Total
1995	Same as 1991-1994	Subsistence	Open all year, 36-72"	300		1,150	
1996	Same as 1991-1995	Sport	Emergency closure (catch and release allowed): Bonn. Apr. 1 - Dec. 31; T. Dalles & J. Day May 1-Dec. 31	1,350	Bonn.	1,350	Bonn.
				100	T. Dalles	60	T. Dalles
				100	J. Day	80	J. Day
				1,550	Total	1,490	Total
1996	Same as 1991-1995	Commercial	Setline season 1 mo. (Jan.) in all 3 pools; Additional setline season 2 mos. (Apr. 1-May 31) in Bonn and T. Dalles. Gill net sales winter only	1,250	Bonn.	1,420	Bonn.
				300	T. Dalles	230	T. Dalles
				100	J. Day	360	J. Day
				1,650	Total	1,590	Total
1996	Same as 1991-1995	Subsistence	Open all year, 36-72" except 48-72" during winter season	300		482	
1997	Optimum sustained yield (OSY) management based on revised size limits and broodstock recruitment goals.	Sport	Bonn. 1 fish 42-60", T.Dalles and J.Day 1 fish 48-60"; Emergency closure (catch and release allowed): Bonn. Apr. 5 - Dec. 31; T.Dalles May 5-Dec. 31; J. Day Sept 2-Dec. 31	1,520	Bonn.	1,470	Bonn.
				200	T. Dalles	180	T. Dalles
				560	J. Day	480	J. Day
				2,280	Total	2,130	Total
1997	Optimum sustained yield (OSY) management based on revised size limits and broodstock recruitment goals.	Commercial	48-60"; Setline season 1 mo. (Jan.) in all 3 pools; Additional setline season in J. Day 2-1/2 mos. (Apr. 7-Jun 23). Gill net sales winter only	1,300	Bonn.	1,850	Bonn.
				400	T. Dalles	500	T. Dalles
				1,160	J. Day	1,260	J. Day
				2,860	Total	3,610	Total
1997	Optimum sustained yield (OSY) management based on revised size limits and broodstock recruitment goals.	Subsistence	Open all year, 48-60"	300		230	

Table 81. Continued

Year	Management Intent/Goal	Fishery	Management Actions Taken	Actual			
				Guidelines		Harvest	
1998	Same as 1997	Sport	Emergency closure (catch and release allowed): Bonn. Apr. 20 - Dec. 31; T Dalles Jun. 8-Dec. 31; J. Day Nov 23-Dec. 31	1,520	Bonn.	1,630	Bonn.
				600-800	T.Dalles	860	T. Dalles
				560	J. Day	600	J. Day
				2,680-2,880	Total	3,080	Total
Commercial	Setline season 1 mo. (Jan.) in all 3 pools; Additional setline season in J. Day 3 mos. (Mar. 23-Jun 30). Gill net sales winter only	1,300	Bonn.	1,460	Bonn.		
		1,000-1,200		1,100	T. Dalles		
		1,160	J. Day	1,100	J. Day		
		3,460-3,660	Total	3,660	Total		
Subsistence	Open all year, 48-60"	300		230			
1999	Same as 1997-1998	Sport	Emergency closure (catch and release allowed): Bonn. Apr. 17 - Dec. 31; T Dalles Jun. 12 -Dec. 31	1,520	Bonn.	1,240	Bonn.
				600-800	T.Dalles	690	T. Dalles
				560	J. Day	420	J. Day
				2,680-2,880	Total	2,350	Total
Commercial	Setnet Feb. 1-Mar. 20 in all 3 pools; No sturgeon retention during the Z6 fall fishery. Setline Jan. in all 3 pools; Bonn.: Apr. 1-June 5; J. Day Apr. 1-Jul 31 and Oct. 11-Dec. 31.	1,300	Bonn.	1,280	Bonn.		
		1,000-1,200		1,050	T. Dalles		
		1,160	J. Day	760	J. Day		
		3,460-3,660	Total	3,090	Total		
Subsistence	Open all year, 48-60"	300		240			
2000	Same as 1997-1999	Sport	Emergency closure (catch and release allowed): Bonn. Apr. 8 - Dec. 31; T Dalles Jun. 19 -Dec. 31	1,520	Bonn.	1,262	Bonn.
				600-800	T.Dalles	809	T. Dalles
				560	J. Day	434	J. Day
				2,680-2,880	Total	2,505	Total
Commercial	Setnet Feb. 1-Mar. 18 in all 3 pools; No sturgeon retention during the Z6 sockeye and fall fisheries. Setline Jan. in all 3 pools; Bonn.: Mar.20-Jun. 10; J. Day Mar. 20-Jul 31, Aug.8-20, and Oct. 2-Dec. 31.	1,300	Bonn.	1,177	Bonn.		
		1,000-1,200		1,342	T. Dalles		
		1,160	J. Day	786	J. Day		
		3,460-3,660	Total	3,305	Total		
Subsistence	Open all year, 48-60"	300		343			

Table 81. Continued.

Year	Management Intent/Goal	Fishery	Management Actions Taken	Actual			
				Guidelines		Harvest	
2001	Same as 1997-2000	Sport	Emergency closure (catch and release allowed): Bonn. Aug. 13 - Dec. 31; T Dalles Apr. 9 -Dec. 31	1,520	Bonn.	1,422	Bonn.
				700	T.Dalles	633	T. Dalles
				560	J. Day	216	J. Day
				2,780	Total	2,271	Total
		Commercial	Setnet Feb. 1-Mar. 14 in all 3 pools; 8.5" min net Nov 14-20 in Bonn. & J. Day; Divers only Nov. 23-30 in Bonn. & Nov. 23-Dec. 7 in J. Day; No sturgeon retention during the Z6 sockeye and spring fisheries. Setline Jan. in all 3 pools; Bonn. & J.Day: Jun.1-Aug. 18 & Oct. 1-Dec. 31.	1,300	Bonn.	1,287	Bonn.
				1,100	T.Dalles	1,258	T. Dalles
				1,160	J. Day	646	J. Day
				3,560	Total	3,191	Total
		Subsistence	Open all year, 48-60"	300		476	
2002	Same as 1997-2001	Sport	Emergency closure (catch and release allowed): Bonn. Aug. 5 - Sept. 27; T Dalles Jul. 13 -Dec. 31; J. Day Aug. 24-Dec. 31	1,520	Bonn.	1,549	Bonn.
				700	T.Dalles	878	T. Dalles
				165	J. Day	154	J. Day
				2,385	Total	2,271	Total
		Commercial	Setnet Feb. 1-Mar. 15 in J. Day & Feb. 1-Mar. 21 in Bonn. & T. Dalles; No sturgeon retention during the Z6 sockeye, fall and spring fisheries. Setline Jan. in all 3 pools; Bonn. & T. Dalles: Jun. 1-Aug. 17; Bonn: Oct. 1-Dec. 15; & T. Dalles: Oct. 1-27.	1,300	Bonn.	459	Bonn.
				1,100	T.Dalles	1,138	T. Dalles
				335	J. Day	322	J. Day
				2,735	Total	1,919	Total
		Subsistence	Open all year, 48-60"	300		370	

¹ Sturgeon Management Task Force formed in 1987 to review Zone 6 sturgeon stock status and oversee harvest management.

² Although subsistence fishery was always open all year with 36-72" size limits, Task Force did not quantify or account for harvest until 1993.

Table 82. White Sturgeon Landings (in Thousands) by Season for the Columbia River Zone 6 Treaty Indian Commercial Fisheries, 1975-2002.

Year	Winter		Summer		Fall		Setline 1/		Total	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1975	0.1	<0.1	--	--	29.2	0.6	--	--	29.3	0.6
1976	1.3	<0.1	1.6	<0.1	12.1	0.3	9.4	0.2	24.4	0.6
1977	2.6	0.1	2.7	0.1	5.7	0.2	9.2	0.2	20.2	0.6
1978	0.6	<0.1	0.4	<0.1	10.8	0.4	8.9	0.3	20.7	0.7
1979	9.6	0.3	--	--	9.2	0.3	20.0	0.7	38.8	1.3
1980	6.3	0.2	<0.1	<0.1	5.0	0.2	42.1	1.4	53.4	1.8
1981	4.4	0.1	0.4	<0.1	4.6	0.1	61.0	1.8	70.4	2.0
1982	3.7	0.1	0.1	<0.1	2.5	0.1	38.5	1.1	44.8	1.3
1983	2.2	0.1	0.3	<0.1	7.0	0.2	39.2	1.1	48.7	1.4
1984	12.4	0.4	<0.1	<0.1	22.5	0.7	53.4	1.7	88.3	2.8
1985	35.9	1.1	5.1	0.1	59.9	1.8	67.6	2.0	168.5	5.0
1986	62.9	1.7	4.2	0.1	130.7	4.3	124.3	3.4	322.1	9.5
1987	108.6	3.1	14.0	0.4	147.3	4.4	114.2	3.2	384.1	11.1
1988	49.8	1.6	7.5	0.2	66.9	2.0	12.4	0.3	136.6	4.1
1989	109.8	3.1	--	--	0.1	<0.1	16.8	0.4	126.7	3.5
1990	45.2	1.4	0.4	<0.1	61.1	1.7	8.8	0.3	115.5	3.4
1991	38.2	1.2	--	--	<0.1	<0.1	8.5	0.3	46.7	1.5
1992	21.9	0.6	--	--	--	--	32.2	1.0	54.1	1.6
1993	60.7	2.0	--	--	0.8	<0.1	0.1	<0.1	61.6	2.0
1994	43.8	1.5	--	--	--	--	3.0	0.1	46.8	1.6
1995	51.4	1.9	--	--	0.3	<0.1	2.3	0.1	54.0	2.0
1996	13.1	0.5	--	--	0.3	<0.1	29.9	1.1	43.3	1.6
1997	64.9	2.6	--	--	--	--	29.1	1.0	94.0	3.6
1998	73.3	2.8	--	--	0.1	<0.1	23.2	0.8	96.6	3.7
1999	43.5	1.7	--	--	--	--	32.0	1.4	75.5	3.1
2000	58.1	2.2	--	--	--	--	26.7	1.1	84.8	3.3
2001	53.1	2.0	0.1	<0.1	8.9	0.4	27.1	0.9	89.2	3.3
2002	39.3	1.5	--	--	--	--	11.9	0.5	51.3	2.0

1/ Minor hook and line landings since 1988 are included in setline totals.

Table 83. Walleye Angler Trip and Sport Catch Estimates for the Lower Columbia River, 1982-2002.

Year	Angler Trips	Catch		Catch/Trip
		Kept	Released 1/	
1982	--	126	--	--
1983	--	200	--	--
1984	1,081	541	--	0.50
1985	553	155	--	0.28
1986	--	few	--	--
1987	--	few	--	--
1988	--	few	--	--
1989	729	340	--	0.47
1990	1,627	418	--	0.26
1991	1,210	361	--	0.30
1992	1,407	437	--	0.31
1993	2,271	603	--	0.27
1994	7,488	1,872	1,123	0.40
1995	6,248	3,124	NA	0.50
1996	5,836	1,728	NA	0.30
1997	3,122	1,068	NA	0.34
1998	1,470	331	49	0.26
1999	1,696	374	202	0.34
2000	1,339	252	97	0.26
2001	1,315	462	171	0.48
2002	1,507	672	160	0.55

1/ NA denotes data not available. Includes sublegals.

Table 84. Partial Walleye Sport Catch Estimates for Bonneville, The Dalles, and John Day Pools, 1981-2002. 1/

Year	Bonneville Pool	The Dalles Pool	John Day Pool	Survey Total
1981	0	2,062	164	2,226
1982	NS	NS	NS	NS
1983	NS	NS	463	463
1984	NS	NS	349	349
1985	NS	NS	186	186
1986	NS	NS	291	291
1987	NS	1,660	NS	1,660
1988	394	3,480	NS	3,874
1989	1,066	7,556	1,718	10,340
1990	1,282	NS	3,102	4,384
1991	NS	NS	2,209	2,209
1992	121	1,000	1,780	2,901
1993	82	2,200	2,656	4,938
1994	206	1,972	2,484	4,662
1995	792	7,491	3,275	11,558
1996	288	1,616	1,092	2,996
1997	60	1,563	7,230	8,853
1998	597	3,691	14,691	18,979
1999	187	896	1,448	2,531
2000	127	564	2,140	2,831
2001	15	38	1,180	1,233
2002	62	210	1,452	1,724

1/ Partial catch estimates of kept fish based on results of limited creel surveys conducted during predator/prey and sturgeon research programs. NS denotes pool not surveyed.

Table 85. Treaty Indian Commercial Landings of Walleye by Season in Zone 6, 1989-2002.

Year	Winter Season 1/		Fall Season		Total	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
1989	6,945	1,021	2,344	307	9,289	1,328
1990	872	127	1,281	194	2,153	321
1991	1,465	224	2,870	521	4,335	745
1992	2,449	352	4,367	678	6,816	1,030
1993	1,259	180	4,165	692	5,424	872
1994	1,480	187	1,375	228	2,855	415
1995	7,438	728	1,443	235	8,881	963
1996	2,644	254	1,257	175	3,901	429
1997	1,747	194	735	82	2,482	276
1998	1,077	120	283	30	1,360	150
1999	1,431	156	162	25	1,593	181
2000	3,335	354	260	30	3,595	384
2001	1,736	173	162	17	1,898	190
2002	1,253	113	107	11	1,360	124

1/ Includes some walleye landed during spring and summer commercial seasons.