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HISTORICAL RECORD OF ESCAPEMENTS TO INLAND FISHERIES AND SPAWNING AREAS

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TABLE B-1. California Central Valley natural fall-run chinook salmon spawning escapements in thousands of fish.[a/] (Page 1 of 1)

Year	Upper Sacramento River[a/]		Feather River		Yuba River		American River		Lower Sacramento Totals		Sacramento River Totals		San Joaquin River Totals		Central Valley Totals	
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1970	64.0	21.0	45.0	13.0	12.0	2.0	26.0	3.0	83.0	18.0	147.0	39.0	30.0	8.0	177.0	47.0
1971	62.6	24.4	34.0	10.0	5.3	0.4	36.0	6.0	75.3	16.4	137.9	40.8	40.0	4.0	177.9	44.8
1972	35.0	20.0	27.0	16.0	4.0	5.0	13.0	4.0	44.0	25.0	79.0	45.0	12.0	2.0	91.0	47.0
1973	48.0	19.0	52.0	13.0	22.0	2.0	77.0	5.0	151.0	20.0	199.0	39.0	6.5	0.7	205.5	39.7
1974	66.0	16.0	54.0	7.0	16.0	1.0	52.0	2.0	122.0	10.0	188.0	26.0	3.7	0.7	191.7	26.7
1975	71.0	25.0	35.0	3.0	5.0	1.0	29.0	3.0	69.0	7.0	140.0	32.0	5.8	0.9	145.8	32.9
1976	79.0	14.0	50.0	6.0	3.3	0.5	22.0	1.0	75.3	7.5	154.3	21.5	3.5	0.5	157.8	22.0
1977	46.8	28.4	36.0	2.0	7.0	2.0	40.0	2.0	83.0	6.0	129.8	34.4	0.6	0.1	130.4	34.5
1978	76.0	10.0	29.0	4.0	6.0	1.0	12.0	1.0	47.0	6.0	123.0	16.0	2.3	0.3	125.3	16.3
1979	77.0	44.0	25.0	3.0	10.0	2.0	36.0	1.0	71.0	6.0	148.0	50.0	4.0	0.5	152.0	50.5
1980	53.0	5.0	30.0	2.0	10.0	2.0	32.0	2.0	72.0	6.0	125.0	11.0	5.0	1.0	130.0	12.0
1981	51.0	35.0	41.0	4.0	12.0	2.0	38.0	5.0	91.0	11.0	142.0	46.0	15.9	8.9	157.9	54.9
1982	37.0	17.0	41.0	7.0	23.5	15.9	29.0	4.0	93.5	26.9	130.5	43.9	14.0	3.0	144.5	46.9
1983	40.6	24.7	19.1	4.5	11.4	2.4	19.0	7.4	49.5	14.3	90.1	39.0	11.1	32.2	101.2	71.2
1984	48.7	27.5	36.2	6.5	7.1	2.6	25.2	2.2	68.5	11.3	117.2	38.8	40.8	16.1	158.0	54.9
1985	103.5	24.7	46.5	3.7	10.1	2.9	44.7	11.4	101.3	18.0	204.8	42.7	72.6	3.5	277.4	46.2
1986	109.5	12.5	41.0	6.4	17.0	2.4	44.9	4.4	102.9	13.2	212.4	25.7	23.2	2.8	235.6	28.5
1987	70.3	39.7	43.6	11.6	15.2	3.5	18.2	3.0	77.0	18.1	147.3	57.8	15.8	9.1	163.1	66.9
1988	125.2	20.0	51.0	3.0	6.7	1.8	14.1	1.8	71.8	6.6	197.0	26.6	20.7	1.2	217.7	27.8
1989	65.9	16.8	31.5	3.5	8.3	1.6	14.7	2.4	54.5	7.5	120.4	24.3	3.2	0.1	123.6	24.4
1990	50.8	6.2	25.0	3.0	3.5	0.5	5.6	1.1	34.1	4.6	84.9	10.8	0.9	0.1	85.8	10.9
1991[b/]	39.1	6.2	25.2	2.5	11.4	2.7	9.1	0.5	45.7	5.7	84.8	11.9	0.6	0.2	85.4	12.1

a/ Upper Sacramento River jack estimates based on Red Bluff Diversion Dam samples. All other estimates generally are based on carcass surveys. Upper river estimates also include Tehama Colusa Spawning Channel. Adult and jack numbers generally are based on a 24-inch fork length cut-off (unpublished CDFG data).

b/ Preliminary.

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TABLE B–2. California Central Valley hatchery fall–run chinook salmon spawning escapements in thousands of fish.[a/] (Page 1 of 1)

Year	Coleman[b/]		Feather River		Nimbus		Sacramento Hatcheries Totals		Mokelumne River		Merced River		San Joaquin Hatcheries Totals		Central Valley Hatcheries Totals	
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1970	3.0	0.5	2.4	0.9	7.8	0.8	13.2	2.2	0.3	0.2	0.0	0.0	0.3	0.2	13.5	2.4
1971	1.5	0.5	2.3	1.2	7.9	1.3	11.7	3.0	0.8	0.1	0.2	0.0	1.0	0.1	12.7	3.1
1972	1.6	1.2	1.4	2.2	5.4	1.7	8.4	5.1	0.1	0.3	0.1	0.0	0.2	0.3	8.6	5.4
1973	3.0	0.8	7.2	1.3	10.8	1.7	21.0	3.8	0.3	0.1	0.3	0.1	0.6	0.2	21.6	4.0
1974	1.3	0.3	4.3	1.1	7.3	0.7	12.9	2.1	0.1	0.1	0.9	0.1	1.0	0.2	13.9	2.3
1975	1.8	0.6	4.2	1.1	6.6	0.8	12.6	2.5	0.2	0.2	0.6	0.0	0.8	0.2	13.4	2.7
1976	1.8	0.5	4.3	0.9	4.3	0.9	10.4	2.3	0.0	0.0	0.6	0.0	0.6	0.0	11.0	2.3
1977	4.7	0.5	6.8	2.0	6.4	0.5	17.9	3.0	0.0	0.0	0.4	0.0	0.4	0.0	18.3	3.0
1978	1.1	0.8	3.9	0.9	6.1	2.1	11.1	3.8	0.5	0.0	0.0	0.0	0.5	0.0	11.6	3.8
1979	4.7	3.9	3.6	0.6	7.0	3.2	15.3	7.7	0.5	0.1	0.1	0.1	0.6	0.11	15.9	7.8
1980	8.8	0.7	3.0	0.7	13.5	2.0	25.3	3.4	0.4	0.2	0.2	0.0	0.6	0.2	25.9	3.6
1981	5.7	7.5	7.3	1.0	17.8	2.8	30.8	11.3	0.0	0.0	0.6	0.3	0.6	0.3	31.4	11.6
1982	16.2	3.3	6.4	1.2	8.1	2.8	30.7	7.3	1.8	0.9	0.2	0.0	2.0	0.9	32.7	8.2
1983	5.4	3.4	6.1	1.6	6.4	2.5	17.9	7.5	1.7	2.9	0.2	1.6	1.9	4.5	19.8	12.0
1984	18.7	2.9	8.9	0.4	10.2	2.0	37.8	5.3	0.0	0.0	1.7	0.2	1.7	0.2	39.5	5.5
1985	13.1	3.2	5.6	0.2	7.3	1.8	26.0	5.2	0.2	0.0	1.1	0.1	1.3	0.1	27.3	5.3
1986	11.3	1.2	5.7	2.8	5.6	0.1	22.6	4.1	0.3	0.2	0.5	0.2	0.8	0.4	23.4	4.5
1987	11.3	7.1	6.5	3.6	3.4	2.9	21.2	13.6	0.1	0.5	0.5	0.4	0.6	0.9	21.8	14.5
1988	12.5	1.1	6.2	0.3	8.0	0.7	26.7	2.1	0.1	0.0	0.4	0.0	0.4	0.1	27.1	2.2
1989	10.2	1.8	6.5	1.1	9.2	0.5	25.9	3.4	0.0	0.0	0.1	0.0	0.1	0.0	26.0	3.4
1990	13.5	1.2	4.3	1.9	4.6	0.3	22.4	3.4	0.0	0.0	0.11	0.0	0.1	0.0	22.5	3.4
1991	10.0	0.7	7.9	1.4	6.8	0.4	24.7	2.5	0.0	0.0	0.3	0.1	0.3	0.1	25.0	2.6
GOALS	9.0	7.5	5.0	–	6.0	–	20.0	–	c/	–	c/	–	5.5	–	25.5	–

a/ Counts of less than 50 fish are shown as 0.
b/ Fall spawning fish. Some spring run are included.
c/ Combined hatchery goal for San Joaquin is 5,500 adults.

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TABLE B-3. Sacramento River late-fall, winter and spring chinook salmon spawning escapement estimates in thousands of fish. (Page 1 of 1)

	Upper Sacramento River[a/]						Feather River					
	Late Fall[c/]		Winter		Spring		Spring[b/]		Spring Totals		Grand Totals	
Year	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1971-1975	17.7	1.5	22.5	8.1	5.1	1.7	0.4	0.0	5.5	1.7	45.7	11.3
1976-1980	10.4	0.8	13.0	2.4	8.5	2.7	0.4	0.0	9.0	2.7	32.4	5.8
1981	6.3	0.7	18.3	1.7	12.9	8.1	0.8	0.2	13.7	8.3	38.3	10.7
1982	4.1	0.8	0.9	0.3	21.0	4.4	1.8	0.2	22.8	4.6	27.8	5.7
1983	12.9	2.3	1.1	0.7	5.3	1.0	1.6	0.1	6.9	1.1	20.9	4.1
1984	6.5	3.9	0.8	1.8	3.7	4.1	1.3	0.3	5.0	4.4	12.3	10.1
1985	8.0	2.2	4.6	0.4	8.9	4.4	1.6	0.0	10.5	4.4	23.1	7.0
1986	6.6	0.4	1.9	0.4	14.5	1.3	1.2	0.2	15.7	1.5	24.2	2.3
1987	12.6	3.1	2.0	0.3	6.8	4.4	0.9	0.3	7.7	4.7	22.3	5.0
1988	15.7	0.9	1.8	0.3	5.6	3.6	7.2	0.3	12.8	3.9	30.3	5.1
1989	10.1	1.3	0.4	0.1	4.9	0.8	4.4	0.7	9.3	1.5	19.8	2.9
1990	6.6	1.8	0.5	0.0	4.6	0.9	1.4	0.2	6.0	2.3	13.1	4.1
1991	7.4	1.2	0.1	0.1	1.3	0.2	3.3	0.2	4.6	0.4	12.1	1.7
1992[d/]	9.4	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

a/ Estimated number of jacks and adults based on sampling at Red Bluff Diversion Dam (unpublished CDFG data).
b/ Primarily fish spawned at Feather River Hatchery.
c/ Variable numbers of late-fall fish were trapped at Keswick Dam and spawned at Coleman Hatchery.
d/ Preliminary. Gates at Red Bluff Dam raised last part of late-fall run and first part of winter run. Late fall and winter estimates are based on partial counts at Red Bluff Dam and historical run patterns.

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TABLE B-4. Summary of Klamath River fall-run chinook salmon estimates in thousands of adults and jacks. (Page 1 of 1)

Year	Category	Inriver Catch and Escapement	Inriver Harvest			Spawning Escapement								
						Klamath River			Trinity River			Total		
			Indian	Sport	Total	Hatchery	Natural	Total	Hatchery	Natural	Total	Hatchery	Natural	Total
1978	Adults	91.0	18.2	1.7	19.9	6.9	27.4	34.4	6.0	31.1	37.1	13.0	58.5	71.5
	Jacks	22.5	1.8	2.1	3.9	0.9	11.7	12.7	1.3	4.7	6.0	2.2	16.4	18.7
1979	Adults	50.1	13.7	2.1	15.8	2.3	22.2	24.5	1.3	8.4	9.7	3.6	30.6	34.3
	Jacks	11.5	1.4	2.2	3.5	0.3	2.8	3.0	1.0	4.0	5.0	1.2	6.8	8.0
1980	Adults	44.5	12.0	4.5	16.5	2.4	13.4	15.8	4.1	8.1	12.2	6.5	21.5	28.0
	Jacks	36.6	1.0	5.9	6.9	0.5	9.9	10.3	2.3	17.1	19.4	2.7	27.0	29.7
1981	Adults	77.3	33.0	6.0	39.0	2.1	18.6	20.7	2.4	15.3	17.7	4.4	33.9	38.3
	Jacks	27.8	2.5	7.3	9.7	0.5	10.6	11.2	1.0	5.9	6.9	1.5	16.5	18.1
1982	Adults	65.2	14.5	8.3	22.8	8.4	22.7	31.0	2.1	9.3	11.3	10.4	32.0	42.4
	Jacks	39.0	1.8	12.5	14.3	1.8	10.5	12.3	4.2	8.1	12.4	6.1	18.6	24.7
1983	Adults	56.8	7.9	4.2	12.1	8.4	13.5	21.9	5.5	17.3	22.8	13.9	30.8	44.6
	Jacks	3.8	0.2	0.4	0.5	0.5	1.7	2.2	0.3	0.9	1.1	0.8	2.5	3.3
1984	Adults	45.6	18.7	3.3	22.0	5.3	10.4	15.7	2.2	5.7	7.8	7.5	16.1	23.6
	Jacks	8.2	0.5	1.0	1.4	0.8	1.9	2.6	0.8	3.4	4.2	1.5	5.3	6.8
1985	Adults	63.4	11.6	3.6	15.1	20.0	16.5	36.4	2.6	9.2	11.8	22.5	25.7	48.2
	Jacks	69.0	1.6	11.2	12.8	2.2	6.5	8.7	18.2	29.5	47.6	20.3	36.0	56.3
1986	Adults	192.4	25.1	21.0	46.2	17.1	20.8	37.9	15.8	92.5	108.3	32.9	113.4	146.3
	Jacks	44.3	0.9	9.4	10.3	1.5	8.5	9.9	3.6	20.5	24.1	5.1	28.9	34.0
1987	Adults	204.1	53.1	20.2	73.3	15.2	29.8	45.0	13.9	71.9	85.9	29.1	101.7	130.8
	Jacks	18.9	0.4	5.4	5.9	1.8	2.8	4.6	2.5	5.9	8.4	4.3	8.8	13.1
1988	Adults	186.2	51.7	22.2	73.9	16.1	34.3	50.4	17.4	44.6	62.0	33.5	78.9	112.3
	Jacks	23.9	0.6	5.4	6.0	0.6	1.9	2.5	4.8	10.6	15.4	5.4	12.5	17.9
1989	Adults	120.0	45.6	8.8	54.3	10.9	13.8	24.7	11.1	29.9	41.0	22.0	43.7	65.7
	Jacks	9.0	0.2	2.3	2.5	0.8	2.9	3.7	0.2	2.6	2.8	1.1	5.5	6.6
1990[a/]	Adults	32.4	7.8	3.6	11.4	6.7	5.3	11.8	1.3	7.7	9.0	8.1	13.1	21.1
	Jacks	4.0	0.2	2.1	2.3	0.3	0.8	1.2	0.4	0.3	0.7	0.7	1.0	1.7
1991[a/]	Adults	30.9	10.2	3.0	13.2	4.0	6.0	10.0	2.5	5.1	7.6	6.5	11.1	17.6
	Jacks	1.3	0.1	0.5	0.6	0.1	0.4	0.5	0.2	0.1	0.2	0.2	0.5	0.7

a/ Preliminary.

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TABLE B-5. Estimates of Yurok and Hoopa Valley reservation Indian gillnet harvest.[a/] (Page 1 of 2)

		Chinook Salmon (numbers of fish)					
		Spring Race			Fall Race		
Year	Area	Jack	Adult	Total	Jack	Adult	Total
1977	Total	b/	b/	b/	2,700	27,300	30,000
1978	Total	b/	b/	b/	1,800	18,200	20,000
1979	Total	b/	b/	b/	1,350	13,650	15,000
1980	Total	20	980	1,000	987	12,013	13,000
1981	Estuary	21	1,320	1,341	912	23,097	24,009
	Resighinni	0	16	16	338	4,293	4,631
	Upper Klamath	19	381	400	766	4,112	4,878
	Trinity River	17	1,090	1,107	449	1,531	1,980
	Total	57	2,807	2,864	2,465	33,033	35,498
1982	Estuary	3	172	175	290	4,547	4,837
	Resighinni	11	789	800	368	3,551	3,919
	Upper Klamath	21	1,479	1,500	827	4,873	5,700
	Trinity River	10	715	725	314	1,511	1,825
	Total	45	3,155	3,200	1,799	14,482	16,281
1983	Estuary	1	59	60	12	800	812
	Middle Klamath	3	322	325	32	2,626	2,658
	Upper Klamath	1	129	130	89	3,074	3,163
	Trinity River	5	755	80	30	1,390	1,420
	Total	10	585	595	163	7,890	8,053
1984	Estuary	2	53	55	132	11,878	12,010
	Middle Klamath	8	147	155	81	2,807	2,888
	Upper Klamath	2	47	49	102	2,815	2,917
	Trinity River	0	380	380	140	1,170	1,310
	Total	12	627	639	455	18,670	19,125
1985[c/]	Estuary	29	580	609	132	5,700	5,832
	Middle Klamath	6	184	190	283	1,731	2,014
	Upper Klamath	10	310	320	193	2,194	2,387
	Trinity River	115	1,000	1,115	947	1,941	2,888
	Total	160	2,074	2,234	1,555	11,566	13,121
1986[c/]	Estuary	1	40	41	191	15,286	15,477
	Middle Klamath	3	164	167	176	2,501	2,677
	Upper Klamath	10	488	498	201	1,532	1,733
	Trinity River	81	2,022	2,103	586	4,808	5,394
	Total	95	2,714	2,809	1,154	24,127	25,281
1987	Estuary Commercial	0	0	0	0	29,040	29,040
	Estuary Subsistence	23	786	809	36	10,938	10,974
	Middle Klamath	5	171	176	30	5,079	5,109
	Upper Klamath	20	689	709	87	3,057	3,144
	Trinity River	122	4,146	4,268	262	4,982	5,244
	Total	176	5,792	5,962	415	53,096	53,511

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TABLE B-5. Estimates of Yurok and Hoopa Valley reservation Indian gillnet harvest.[a/] (Page 2 of 2)

		Chinook Salmon (numbers of fish)					
		Spring Race			Fall Race		
Year	Area	Jack	Adult	Total	Jack	Adult	Total
1988	Estuary Commercial	0	0	0	0	25,782	25,782
	Estuary Subsistence	8	1,669	1,677	138	11,132	11,270
	Middle Klamath	0	710	710	36	6,252	6,288
	Upper Klamath	0	539	539	137	3,415	3,552
	Trinity River	84	2,727	2,811	267	5,070	5,337
	Total	92	5,645	5,737	578	51,651	52,229
1989	Estuary Commercial	0	206	206	0	27,504	27,504
	Estuary Subsistence	0	644	644	0	9,626	9,626
	Middle Klamath	0	2,008	2,008	65	3,108	3,173
	Upper Klamath	0	1,887	1,887	55	1,853	1,908
	Trinity River	20	1,978	1,998	71	3,474	3,545
	Total	20	6,723	6,743	191	45,565	45,756
1990	Estuary Subsistence	0	388	388	13	3,536	3,549
	Middle Klamath	0	521	521	36	1,116	1,152
	Upper Klamath	0	504	504	102	2,331	2,433
	Trinity River	24	865	889	36	811	847
	Total	24	2,278	2,302	187	7,794	7,981
1991	Estuary Subsistence	0	70	70	7	3,902	3,909
	Middle Klamath	0	46	46	9	1,765	1,774
	Upper Klamath	3	167	170	16	3,251	3,267
	Trinity River	0	263	263	30	1,310	1,340
	Total	3	546	549	62	10,228	10,290

a/ USFWS estimates for 1977–1982 and for Klamath River portion in 1983–1989. The Fisheries Department of the Hoopa Valley Business Council has monitored the Trinity River fishery since 1982.

b/ No estimate.

c/ Does not include fall chinook harvested under special ceremonial permit.

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TABLE B-6. Shasta River fall chinook salmon weir counts or spawning escapement estimates.[a/] (Page 1 of 1)

Year	Adults	Jacks	Total	Year	Adults	Jacks	Total
1930	7,280	12,082	19,362	1961	5,250	3,514	8,764
1931	61,811	20,037	81,848	1962	9,907	4,991	14,898
1932	30,534	5,058	35,592	1963	22,825	9,012	31,837
1933[b/]	4,700	6,886	11,586	1964	30,715	3,648	34,363
1934	26,614	21,807	48,421	1965	7,136	775	7,911
1935	63,711	9,660	73,371	1966	5,573	451	6,024
1936	33,264	14,669	47,933	1967	10,478	1,836	12,314
1937	32,027	1,229	33,256	1968	13,039	1,003	14,042
1938	6,497	1,118	7,615	1969	10,576	3,049	13,625
1939	8,313	19,670	27,983	1970	12,693	712	13,405
1940	50,725	4,431	55,156	1971	4,970	1,649	6,619
1941	7,372	5,860	13,232	1972	2,802	839	3,641
1942	9,342	1,834	11,176	1973	4,516	4,902	9,418
1943	8,048	1,974	10,022	1974	7,376	2,729	10,105
1944	8,604	2,686	11,290	1975	11,821	4,211	16,032
1945	14,905	3,291	18,196	1976[c/]	4,154	1,919	6,073
1946	6,949	641	7,590	1977	5,478	1,969	7,447
1947	298	43	341	1978	12,024	6,707	18,731
1948	31	6	37	1979	7,111	1,040	8,151
1949	171	21	192	1980	3,762	4,334	8,096
1950	-- Incomplete Count --			1981	7,890[d/]	4,330	12,220
1951	1,565	459	2,024	1982	6,533	1,922	8,455
1952	1,488	178	1,666	1983	3,119	753	3,872
1953	1,444	161	1,605	1984	2,362	480	2,842
1954	1,768	857	2,625	1985	2,897	2,227	5,124
1955	1,620	197	1,817	1986	3,274	683	3,957
1956	-- No Count --			1987	4,299	398	4,697
1957	1,781	453	2,234	1988[e/]	2,586	256	2,842
1958	4,694	1,379	6,073	1989	1,440	137	1,577
1959	8,619	1,256	9,875	1990	415	118	533
1960	9,489	1,209	10,698	1991	706	20	726

a/ From 1930–1937 and 1957–1990, the counts were made near the river mouth; from 1938–1955 they were made 6.5 miles upstream from the mouth. Considerable spawning occurred downstream from the racks in these years. From 1988–1990, escapements were estimated from mark–recapture data (spawning surveys).

b/ Commercial fishing in lower Klamath River closed by the state after this season.

c/ Gillnetting resumed in lower 20 miles of Klamath River by Hoopa Valley Indian Reservation fishermen.

d/ Includes 276 females taken to Iron Gate Hatchery.

e/ Low water conditions appeared to hinder entry into the river this year.

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TABLE B-7. Summary of California north coast salmon spawning stock surveys. (Page 1 of 1)

Year	Canon Creek, Mad River[a/b/]			Sprowl Creek, Eel River[a/c/]			Tomki Creek, Eel River[d/]
	Number of Surveys	Chinook	Coho	Number of Surveys	Chinook	Coho	Chinook
1963–1964	12	70	55	–	–	–	–
1964–1965	NA	45	0	–	–	–	1,747
1965–1966	–	–	–	–	–	–	–
1966–1967	NA	334	3	3	1,189	6	–
1968–1969	–	–	–	–	–	–	–
1969–1970	–	–	–	–	–	–	–
1970–1971	NA	230	0	–	–	–	–
1971–1972	–	–	–	–	–	–	–
1972–1973	–	–	–	–	–	–	–
1973–1974	–	–	–	–	–	–	–
1974–1975	–	–	–	1	247	0	–
1975–1976	–	–	–	1	339	2	367
1976–1977	–	–	–	–	–	–	–
1977–1978	–	–	–	–	–	–	–
1978–1979	–	–	–	2	534	23	–
1979–1980	–	–	–	2	572	0	2,410
1980–1981	–	–	–	1	164	4	317
1981–1982	3	23	0	2	121	0	–
1982–1983	3	68	0	6	169	1	1,741
1983–1984	2	137	0	2	82	0	–
1984–1985[e/]	1	16	0	6	67	13	1,292
1985–1986	10	514	14	6	320	0	3,558
1986–1987[e/]	4	90	3	5	307	13	2,173
1987–1988	4	117	29	3	2,187	4	3,666
1988–1989	2	69	7	3	339	12	556
1989–1990[e/]	4	9	9	5	89	14	0
1990–1991[f/]	1	1	3	2	0	0	0
1991–1992[f/]	2	8	0	2	135	0	5

a/ Numbers reflect peak daily counts of live fish and carcasses with adults and jacks combined. Counts in years of poor visibility are not shown.
b/ Survey area was from mouth to falls (2 miles).
c/ Survey area was the main stem and West Fork (4.5 miles).
d/ Total run size estimate including jacks and adults.
e/ Low flows this season appeared to increase main stem spawning and decrease tributary spawning.
f/ Preliminary.

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TABLE B-8. Peak spawning counts in index areas for selected south/localized migrating Oregon coastal fall chinook stocks. (Page 1 of 1)

Year	Pistol River Deep Creek (0.4 mile)		Chetco River Big Emily Creek (1.0 mile)		Winchuck River Bear Creek (0.8 mile)		Index (fish per mile)	
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1971-1991	11	1	106	15	15	1	61	8
1960	1	0	-	-	-	-	-	-
1961	4	1	-	-	-	-	-	-
1962	9	2	-	-	-	-	-	-
1963	7	0	-	-	-	-	-	-
1964	12	0	-	-	30	2	-	-
1965	0	-	-	-	14	0	-	-
1966	82	6	-	-	27	3	-	-
1967	2	1	-	-	31	0	-	-
1968	8	1	-	-	57	2	-	-
1969	-	-	-	-	29	2	-	-
1970	-	-	-	-	-	-	-	-
1971	7	0	303	28	15	0	148	13
1972	7	0	344	11	-	-	251	8
1973	6	2	98	8	46	6	68	7
1974	2	0	100	0	13	0	52	0
1975	2	0	-	-	-	-	-	-
1976	-	-	41	22	0	2	23	13
1977	3	2	-	-	29	1	27	3
1978	-	-	245	36	33	0	154	20
1979	-	-	104	30	17	3	67	18
1980	0	0	107	39	13	0	55	18
1981	14	1	75	21	10	0	45	10
1982	25	1	84	12	13	1	55	6
1983	31	3	38	4	12	1	37	4
1984	11	2	23	4	15	1	22	3
1985	37	2	91	8	13	4	64	6
1986	0[a/]	0[a/]	73	20	12	3	39	10
1987	11	2	23	6	18	2	24	5
1988	27	3	112	25	15	1	70	13
1989	6	2	54	7	4	1	29	5
1990	1	0	26	2	2	1	13	1
1991[b/]	3	2	74	4	7	1	38	3

a/ Pistol River was subject to several "slope failures" in 1986 resulting in severe short-term alterations in gravel bars and spawning index areas. Considerable debris and siltation severely limited chinook surveys resulting in "0" counts in Deep Creek index areas through Dec.

b/ Preliminary.

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TABLE B-9. Counts of natural and hatchery spring chinook salmon at Gold Ray Dam on the Rogue River and at Winchester Dam on the north Umpqua River. (Page 1 of 2)

	Total Returns in Thousands of Fish[a]									
	Gold Ray Dam, Rogue River[b]					Winchester Dam, Umpqua River				
Year	Natural	Hatchery	Adults	Jacks	Combined	Natural	Hatchery	Adults	Jacks	Combined
1971–1975	25.7	0.8	21.9	4.8	26.8	7.3	6.2	9.9	3.8	13.7
1976–1980	25.6	5.7	25.2	6.9	32.1	5.8	3.9	6.5	3.2	9.6
1971–1991	23.1	12.4	27.9	8.2	36.1	6.3	4.2	7.7	2.9	10.6
1960	Not Available		20.0	6.2	26.2	3.4	0.7	3.6	0.5	4.1
1961	Not Available		27.2	5.9	33.1	4.4	0.9	4.7	0.5	5.2
1962	Not Available		27.1	5.6	32.7	3.3	0.9	3.7	0.6	4.3
1963	Not Available		34.3	7.3	41.6	8.7	2.3	9.2	1.8	11.0
1964	Not Available		31.6	6.2	37.8	6.6	2.2	5.8	3.0	8.8
1965	Not Available		39.8	7.8	47.6	9.0	2.7	8.6	3.1	11.7
1966	Not Available		28.0	3.4	31.4	6.7	0.6	6.0	1.3	7.3
1967	Not Available		12.3	2.4	14.7	6.5	2.6	4.4	4.9	9.3
1968	Not Available		13.6	8.4	22.0	6.2	3.1	5.0	4.3	9.3
1969	Not Available		52.3	6,8	59.1	11.4	9.4	17.1	3.0	20.1
1970	Not Available		37.3	7.8	45.1	6.1	6.9	10.6	2.4	13.0
1971	28.1	1.1	23.2	6.2	29.4	6.0	3.9	7.4	2.6	10.0
1972	29.7	0.8	25.2	5.6	30.8	7.9	8.5	9.8	7.3	17.1
1973	34.6	0.6	30.3	5.0	35.3	11.4	8.2	16.5	3.2	19.7
1974	16.0	0.5	13.3	3.5	16.8	5.8	5.1	8.7	2.2	10.9
1975	20.2	0.9	17.6	3.9	21.5	5.4	5.2	7.0	3.6	10.6
1976	19.6	1.1	15.3	6.3	21.6	5.5	5.2	6.4	4.3	10.7
1977	14.8	1.5	13.2	3.2	16.4	6.8	5.5	8.7	3.5	12.2
1978	39.2	6.8	35.9	11.3	47.2	5.4	2.8	5.4	2.8	8.2
1979	28.4	8.6	32.6	5.6	38.2	5.5	4.0	6.3	3.2	9.5
1980	26.1	10.3	28.9	8.0	36.9	5.7	1.9	5.5	2.1	7.6
1981[c]	11.7	5.1	14.2	3.0	17.2	4.6	4.1	6.7	2.0	8.7
1982	20.4	8.3	19.8	10.1	29.9	6.5	2.0	5.1	3.3	8.4
1983	8.6	3.5	7.9	4.7	12.6	3.0	2.9	4.0	1.8	5.8
1984	6.8	5.3	8.7	3.8	12.5	4.5	2.4	5.1	1.9	7.0

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TABLE B-9. Counts of natural and hatchery spring chinook salmon at Gold Ray Dam on the Rogue River and at Winchester Dam on the north Umpqua River. (Page 2 of 2)

	Total Returns in Thousands of Fish[a/]									
	Gold Ray Dam, Rogue River[b/]					Winchester Dam, Umpqua River				
Year	Natural	Hatchery	Adults	Jacks	Combined	Natural	Hatchery	Adults	Jacks	Combined
1985	20.3	19.2	25.4	15.0	40.4	7.5	6.1	9.9	3.6	13.5
1986	43.6	43.4	59.4	30.1	89.5	8.3	5.3	9.3	4.4	13.7
1987	34.5	47.1	65.4	16.2	81.6	9.3	6.3	12.2	3.4	15.6
1988	49.5	31.6	64.2	18.4	82.6	7.8	3.8	10.0	1.6	11.6
1989[d/]	14.5	45.8	53.8	6.6	60.3	7.6	2.2	8.2	1.7	9.9
1990[d/]	10.7	13.9	21.5	3.1	24.6	5.5	2.0	6.3	1.3	7.6
1991[d/]	7.8	4.2	10.4	2.0	12.4	2.4	1.8	3.6	0.6	4.2

a/ Jacks included in natural, hatchery and combined counts.

b/ Natural and hatchery columns reflect counts through July 31 only, and production type is determined by scale analysis. Adult, jack and combined columns reflect complete run counts through Aug. 15 and do not equal the sum of the natural and hatchery columns.

c/ First year of major chinook returns (4 year old fish) following closure of Lost Creek Dam and creation of an impoundment on the Rogue River.

d/ Preliminary.

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TABLE B-10. Indices of Rogue River fall chinook escapements. Average number of fall chinook captured per beach seine haul on the lower Rogue River (river mile 8) and Rogue River fall chinook carcass counts. (Page 1 of 1)

	Huntley Park Seining			Carcass Counts		
Year	Adults	Jacks	Total	Adults	Jacks	Combined
1977–1980	1.45	0.54	1.99	3,172	793	3,965
1977–1991	1.10	0.44	1.53	6,939	990	7,928
1974	–	–	1.04	–	–	–
1975	1.12	0.19	1.31	–	–	–
1976	0.46	0.43	0.89	–	–	–
1977	0.36	0.95	1.31	1,102	1,941	3,043
1978	2.01	0.59	2.60	8,165	907	9,072
1979	2.60	0.17	2.77	1,909	45	1,954
1980	0.81	0.47	1.28	1,511	279	1,790
1981	1.20	0.45	1.65	4,404	987	5,391
1982	1.30	0.54	1.84	2,813	708	3,521
1983[a/]	0.57	0.10	0.67	1,602	158	1,760
1984[a/]	0.24	0.13	0.37	1,997	242	2,239
1985	0.56	0.57	1.13	5,486	2,500	7,986
1986	1.79	1.18	2.97	15,537	2,915	18,452
1987[a/]	2.23	0.78	3.01	26,742	2,612	29,354
1988[a/]	1.17	0.23	1.40	20,716	886	21,602
1989	1.11	0.24	1.35	7,408	481	7,889
1990	0.29	0.07	0.36	1,868	46	1,914
1991[b/]	0.24	0.06	0.29	2,818	138	2,956

a/ Seining efficiency adjustments were significant due to abnormal water flows.
b/ Preliminary.

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TABLE B-11. Peak counts for northerly migrating Oregon coastal chinook stocks on selected fall chinook spawning index stream surveys. (Page 1 of 1)

	River Tributaries																			
	Nehalem Humbug (1.0 mile)		Tillamook (1.8 mile)		Nestucca Niagara (0.4 mile)		Siletz Sunshine (1.2 mile)		Yaquina Grant (1.7 mile)		Alsea Buck (1.0 mile)		Siuslaw Lake (0.8 mile)		Coos W.F. Millicoma (0.5 mile)		Coquille Salmon (0.8 mile)		Index Fish Per Mile	
Year	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1961–1991	114	14	98	14	68	4	48	5	123	18	40	7	174	35	12	8	35	9	77	13
1960	54	80	53	47	68	29	25	21	22	9	11	8	–	–	–	–	–	–	33	27
1961	96	8	130	36	65	4	52	11	51	1	38	8	26	22	3	3	10	14	51	12
1962	69	9	95	22	39	8	131	29	32	15	8	5	12	4	2	0	1	0	42	10
1963	96	37	128	22	88	2	63	8	67	13	39	12	27	2	0	2	3	0	56	11
1964	112	14	134	29	45	8	18	7	22	3	22	7	212	35	1	0	9	2	63	11
1965	100	43	93	18	123	2	32	8	44	34	31	14	28	11	2	0	91	49	59	19
1966	95	8	85	25	73	7	36	6	67	15	42	20	111	11	5	1	55	19	62	12
1967	64	2	117	41	55	6	39	3	35	13	12	14	110	31	7	0	17	0	50	12
1968	44	2	81	29	41	2	19	4	32	9	18	12	52	32	0	0	16	4	33	10
1969	29	2	41	13	28	8	7	3	68	20	13	2	140	52	6	2	7	0	37	11
1970	54	3	139	29	39	8	51	9	105	10	43	34	256	76	12	0	36	23	80	21
1971	84	10	35	4	35	1	40	5	78	17	38	8	49	10	21	22	17	5	43	9
1972	71	46	54	12	82	10	27	14	36	12	3	2	88	56	8	12	8	4	41	18
1973	139	28	84	1	61	4	47	0	48	4	20	4	–	–	21	1	18	0	52	5
1974	141	16	45	4	42	0	47	2	93	0	13	0	131	68	16	28	13	7	59	14
1975	72	28	–	–	–	–	–	–	–	–	9	1	106	60	22	4	18	9	55	25
1976	135	39	35	5	0	0	18	12	10	6	1	0	188	74	28	24	0[a]	0[a]	49	19
1977	158	12	56	2	14	2	45	2	160	20	13	2	181	60	19	8	7	7	71	13
1978	166	6	62	8	31	3	28	0	175	6	12	0	115	24	42	18	40	3	73	7
1979	168	2	45	2	50	3	98	7	144	78	40	10	128	12	35	24	33	8	81	16
1980	90	3	106	14	64	1	44	2	145	4	46	2	218	16	30	65	74	31	89	16
1981	148	1	94	6	41	1	68	2	185	13	32	3	140	43	4	4	43	8	82	9
1982	70	13	107	15	89	12	40	1	160	18	54	9	206	34	80	2	95	13	90	13
1983	61	4	45	1	60	1	29	3	86	11	25	0	28	0	9	0	43	4	42	3
1984	280	31	101	9	84	6	47	3	195	17	55	2	103	7	0	1	38	6	98	9
1985	257	40	128	14	117	9	90	3	263	59	70	15	268	70	11	2	6	4	132	23
1986	108	8	153	11	161	6	46	5	172	33	54	9	255	68	5	2	46	9	109	16
1987	219	6	255	6	127	1	14	0	173	19	51	1	207	25	19	11	46	4	121	8
1988	155	4	121	8	143	1	97	1	547	35	251	11	538	52	22	6	92	10	214	14
1989	150	2	118	4	104	4	61	3	168	12	72	5	555	34	5	3	27	7	137	8
1990	50	1	122	10	55	2	50	1	139	25	71	6	578	43	12	3	32	1	121	10
1991[b]	43	0	135	10	91	3	58	6	187	17	36	2	700	16	4	1	123	12	150	7

a/ Flows too low to allow spawning.
b/ Preliminary.

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TABLE B-12. Estimates of inriver run size, catch and escapement in thousands of Columbia River adult spring chinook destined for areas above Bonneville Dam. (Page 1 of 1)

Year	Inriver Run Size	Lower River Catch[a/]		Bonneville Dam Count	Main Stem		Bonneville Escapement[b/]	Snake River Escapement[c/]	Upper Columbia River Escapement[d/]	Hatchery Escapement[e/]
		Commercial	Sport		Commercial Treaty Catch	Treaty Ceremonial/ Subsistence				
1971–1975	167.5	31.4	16.0	120.1	21.3	NA	98.8	28.9	8.2	13.4
1971	146.5	21.5	15.5	109.5	12.7	NA	96.8	21.8	5.0	8.2
1972	269.5	68.5	22.7	178.3	41.9	NA	136.4	38.5	8.4	20.5
1973	223.8	58.7	29.7	135.4	34.2	NA	101.2	52.8	9.0	19.8
1974	99.8	8.2	12.2	79.4	17.5	NA	61.9	15.5	10.9	6.4
1975	98.0	0.1	0.0	97.9[f/]	0.1	NA	97.8	16.1	7.7	12.0
1976	63.9	0.0	0.0	63.9	0.4	NA	63.5	15.9	11.5	14.8
1977	138.4	8.6	14.2	115.6	17.0	1.8	96.8	36.2	20.6	20.1
1978	127.0	0.0	0.0	127.0	2.6	4.9	119.5	40.7	21.2	14.1
1979	48.6	0.0	0.0	48.6	0.5	1.6	46.5	6.8	7.4	9.3
1980	53.1	0.0	0.0	53.1[f/]	0.0	1.8	51.3	5.5	8.5	11.2
1981	63.6	0.6	0.2	62.8[f/]	1.6	1.8	59.4	13.1	14.5	15.2
1982	71.1	0.5	0.6	70.0	3.3	2.0	64.7	12.4	8.7	15.7
1983	55.9	0.6	0.4	54.9	<0.1	2.5	52.4	9.5	10.4	16.4
1984	47.4	0.5	0.1	46.8	0.1	3.4	43.3	6.5	12.1	13.8
1985	84.7	1.2	0.3	83.2	0.1	3.0	80.1	25.2	24.1	30.5
1986	120.5	1.1	1.3	118.1	0.4	7.1	110.6	31.7	21.3	37.3
1987	100.0	1.0	0.4	98.6	0.3	6.4	91.9	28.8	18.5	33.8
1988	97.0	5.1	1.4	90.5	0.2	6.8	83.5	29.5	13.1	28.1
1989	83.3	1.5	0.5	81.3	0.0	6.3	75.0	13.0	11.7	22.7
1990[g/]	99.4	2.1	3.1	94.2	0.0	6.9	87.3	17.1	12.2	34.9
1991[g/]	59.8	0.9	1.5	57.3	0.0	4.0	53.3	6.6	7.7	17.6
GOAL							115.0	35.0		

a/ Includes some lower river origin spring chinook through 1980. Beginning in 1981, the lower river catch of upriver spring chinook is based on mark recoveries rather than timing of the catch as in previous years. Since 1986, GSI techniques have been used for stock composition analysis.
b/ Bonneville Dam count minus main stem commercial and ceremonial/subsistence treaty Indian harvest.
c/ Count at uppermost Snake River Dam (Little Goose in 1971–1974 and Lower Granite after 1974).
d/ Priest Rapids Dam count.
e/ Includes hatcheries operated by all agencies.
f/ Maximum figure, not adjusted for fall back at the dam.
g/ Preliminary.

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TABLE B-13. Estimates of minimum inriver run size, catch and escapement in thousands of Columbia River adult spring chinook destined for areas below Bonneville Dam. (Page 1 of 1)

Year	Minimum Inriver Run Size	Lower River Catch[a/]		Tributary Runs							
				Willamette							
		Commercial	Sport	Run Size	Sport Catch	Fall Escapement[b/]	Sandy	Cowlitz[c/]	Lewis[c/]	Kalama	Hatchery Escapement[d/]
1971–1975	84.4	13.8	3.7	53.7	17.7	34.3	NA	11.9	0.2	1.1	20.1
1971	95.1	13.4	6.4	66.6	20.8	43.9	NA	8.1	0.1	0.5	16.9
1972	66.1	15.8	0.2	46.4	19.1	25.3	NA	3.3	0.1	0.3	9.3
1973	83.6	17.2	7.3	52.4	10.0	40.5	NA	6.5	0.1	0.1	15.1
1974	107.9	13.3	2.2	71.9	25.8	44.1	NA	19.9	0.1	0.5	33.2
1975	68.9	9.1	2.4	31.4	12.6	17.8	NA	21.7	0.4	3.9	25.9
1976	81.0	4.7	3.2	39.1	16.2	21.0	NA	26.6	3.1	4.3	29.9
1977	92.9	6.8	3.1	56.9	15.5	38.5	0.6	20.9	3.3	1.3	30.2
1978	107.1	13.5	5.0	69.4	20.9	45.7	0.7	13.8	3.7	1.0	25.2
1979	68.8	5.5	1.7	43.0	13.9	25.5	0.8	13.4	2.5	1.9	19.2
1980	73.1	0.4	0.8	41.6	10.1	26.4	1.8	23.7	2.3	2.5	28.4
1981	93.9	6.8	3.5	46.6	12.5	28.6	2.8	27.9	3.0	3.3	33.8
1982	110.0	4.6	2.2	70.2	20.7	45.1	1.4	19.3	3.9	8.4	31.1
1983	93.2	7.0	2.4	52.0	17.7	28.7	1.8	21.4	3.7	4.9	27.0
1984	116.1	9.1	1.8	73.4	23.4	42.4	2.3	21.3	6.4	1.8	33.1
1985	83.9	11.5	1.1	55.6	17.6	33.1	1.4	9.9	4.1	0.3	19.2
1986	90.7	8.6	4.4	59.7	18.1	37.3	1.3	7.3	8.3	1.1	19.9
1987	134.3	10.6	2.4	81.9	21.6	52.8	2.4	18.0	16.6	2.4	33.1
1988	146.0	13.2	3.2	101.9	27.0	68.7	2.9	12.3	10.6	1.9	34.9
1989	136.9	12.4	2.5	97.5	26.4	65.9	2.1	8.3	12.0	2.0	35.5
1990[e/]	150.2	16.2	9.1	103.8	27.3	69.1	3.5	7.6	9.3	2.0	38.9
1991[e/]	131.7	11.7	4.1	90.9	34.0	48.7	5.3	8.7	8.1	2.9	30.2

a/ Includes some upriver origin spring chinook through 1980. Beginning in 1981, the lower river catch of lower river spring chinook is based on mark recoveries rather than timing of the catch as in previous years. Since 1986, GSI techniques have been used for stock composition analysis.

b/ Prior to 1988, the escapement goal at Willamette Falls was 30,000 to 35,000. Beginning in 1988, the goal is dependent on run size under the Willamette Basin Fish Management Plan. Under this plan, the escapement target is 30,000 adults above Willamette Falls at Willamette River run sizes (run entering the Columbia River) of 70,000 or less and increases linearly (5,000 per each 10,000 of increased run size) to 45,000 at Willamette River run sizes of 100,000 or greater.

c/ Includes hatchery escapement, tributary recreational catch and natural spawning escapement for 1975 to present. The years 1971–1973 are based on using the 1975–1976 Cowlitz River recreational fishery adult harvest rates.

d/ Includes hatcheries operated by all agencies and are included in the totals for the tributary runs.

e/ Preliminary.

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TABLE B-14. Estimates of inriver run size, catch and escapement in thousands of Columbia River adult summer chinook destined for areas above Bonneville Dam. (Page 1 of 1)

Year	Inriver Run Size	Lower River Catch		Bonneville Dam Count	Main Stem		Bonneville Escapement[a/]	Snake River Escapement[b/]	Upper Columbia River Escapement[c/]
		Commercial	Sport		Commercial Treaty Catch	Treaty Ceremonial/ Subsistence			
1971–1975	47.8	1.1	1.4	45.4	2.1	NA	43.3	13.2	14.6
1971	71.9	2.3	3.3	66.3	5.1	NA	61.2	21.4	15.5
1972	67.8	2.2	2.0	63.6	4.0	NA	59.6	18.6	13.4
1973	37.6	0.8	1.5	35.3	1.4	NA	33.9	10.9	12.2
1974	28.9	0.0	0.0	28.9	0.1	NA	28.8	7.6	12.9
1975	33.0	0.0	0.0	33.0[d/]	0.0	NA	33.0	7.6	18.9
1976	26.7	<0.1	0.0	26.7	<0.1	NA	26.6	7.0	17.2
1977	34.3	0.2	0.0	34.1	<0.1	0.8	33.3	7.7	16.3
1978	38.7	0.2	0.0	38.5	0.1	0.8	37.6	11.6	19.2
1979	27.8	0.1	0.0	27.7	0.0	1.0	26.7	2.7	20.3
1980	27.0	0.0	0.0	27.0	0.1	1.1	25.8	2.7	16.0
1981	22.4	0.0	0.0	22.4	0.0	1.3	21.1	3.3	11.6
1982	20.1	0.0	0.0	20.1	0.0	1.3	18.8	4.2	8.8
1983	18.0	0.0	0.0	18.0	0.0	0.3	17.7	3.9	8.5
1984	22.4	0.0	0.0	22.4	0.0	0.3	22.1	5.4	16.2
1985	24.2	0.0	0.0	24.2	0.9	0.1	23.2	5.1	15.9
1986	26.2	0.0	0.0	26.2	0.2	0.3	25.7	6.2	16.2
1987	33.0	0.0	0.0	33.0	0.9	0.3	31.8	5.9	14.1
1988	31.3	0.0	0.0	31.3	1.1	0.0	30.2	6.1	13.4
1989	28.8	0.0	0.0	28.8	0.0	0.1	28.7	3.2	19.7
1990[e/]	25.0	0.0	0.0	25.0	0.0	<0.1	25.0	5.1	15.6
1991[e/]	18.9	0.0	0.0	18.9	0.0	0.1	18.8	3.8	14.8
GOAL							80.0–90.0		

a/ Bonneville Dam count minus main stem commercial and ceremonial/subsistence treaty Indian harvest.
b/ Count at uppermost Snake River Dam (Little Goose in 1971–1974 and Lower Granite after 1974).
c/ Priest Rapids Dam count.
d/ Maximum figure not adjusted for fall back at the dam.
e/ Preliminary.

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TABLE B-15. Estimates of inriver run size, catch and escapement in thousands of Columbia River adult SCH stock fall chinook.[a/] (Page 1 of 1)

Year	Inriver Run Size	Bonneville Dam Count	Harvest: Treaty Commercial and Subsistence	Harvest: Non-Indian Commercial	Harvest: Non-Indian Sport	Escapement: Natural	Escapement: Hatchery[b/]
1971-1975	105.7	67.6	29.0	37.9	0.3	2.9	17.0
1971	115.5	69.6	18.5	45.7	0.3	3.4	12.8
1972	45.7	28.2	13.0	17.3	0.3	3.9	8.9
1973	112.8	59.5	17.9	53.1	0.4	2.2	17.2
1974	70.2	51.2	17.6	18.9	0.2	1.6	11.2
1975	184.1	129.4	78.0	54.7	0.2	3.2	35.0
1976	182.2	142.1	65.6	40.0	0.2	3.1	24.6
1977	107.7	66.1	19.4	41.5	0.1	1.3	21.5
1978	99.7	76.2	25.5	23.4	0.2	2.4	18.0
1979	95.2	72.8	28.8	22.3	0.1	1.9	18.8
1980	97.8	57.8	23.4	31.8	0.1	2.6	27.0
1981	86.3	75.6	33.1	3.4	0.0	1.5	25.1
1982	120.7	80.7	48.9	35.7	0.3	2.5	29.4
1983	28.9	24.6	7.9	3.6	0.1	1.0	10.1
1984	47.5	38.1	19.2	5.9	2.3	0.7	9.6
1985	33.2	29.9	14.1	0.1	0.2	0.5	5.6
1986	16.6	8.7	5.7	4.1	0.4	0.9	4.1[c/]
1987	9.1	4.5	1.7	1.6	1.3	1.3	2.7[c/]
1988	12.0	6.0	2.9	3.2	0.3	1.6	3.7[c/]
1989	26.8	18.1	12.7	4.6	1.8	2.7	4.3[c/]
1990[d/]	18.5	13.7	7.3	1.1	0.4	1.0	8.1[c/]
1991[d/]	46.8	41.3	15.5	3.9	1.4	1.2	12.5[c/]
GOAL							8.2

a/ Based on Columbia River fall chinook data base, WDF, unpublished.
b/ Does not include strays to hatcheries below Bonneville Dam.
c/ Includes fall chinook tules trapped at Bonneville Dam.
d/ Preliminary.

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TABLE B-16. Estimates of inriver run size, catch and escapement in thousands of Columbia River adult URB fall chinook destined for areas above McNary Dam and the Deschutes River.[a/] (Page 1 of 1)

			Harvest			Escapement				
				Non-Indian						
Year	Inriver Run Size	Bonneville Dam Count	Treaty Commercial and Subsistence	Commercial	Sport[c/]	Natural	Hatchery	McNary Dam Count	Ice Harbor Dam Count	Wild Snake River Lower Granite Count[b/]
1971–1975	110.5	80.4	35.1	29.3	3.1	36.8	2.6	39.5	5.6	–
1971	115.7	83.3	32.4	31.4	3.5	44.7	4.3	49.0	9.3	–
1972	86.7	66.0	26.0	19.8	3.4	36.8	0.8	37.6	7.5	–
1973	147.6	88.6	39.1	58.3	3.7	43.3	3.3	46.6	6.7	–
1974	89.8	74.0	33.5	15.2	2.5	31.6	3.0	34.6	2.4	–
1975	112.5	90.1	44.3	21.9	2.4	27.8	1.8	29.6	1.9	1.000
1976	115.1	86.6	55.9	28.0	2.1	27.7	1.1	28.8	1.1	0.470
1977	95.1	65.9	29.0	28.8	0.7	37.0	2.0	37.6	1.2	0.600
1978	85.3	68.7	32.6	16.3	0.7	25.2	2.1	27.3	1.1	0.640
1979	89.2	71.2	32.5	17.7	0.5	28.7	2.5	31.2	1.2	0.500
1980	76.8	69.4	10.8	5.1	0.9	28.8	2.2	29.9	1.2	0.450
1981	66.6	62.8	14.2	2.4	0.7	23.9	3.0	21.1	0.8	0.340
1982	79.0	71.8	7.0	4.5	0.2	34.1	3.7	31.1	1.6	0.720
1983	86.1	78.0	18.1	4.3	0.7	48.3	5.9	48.7	1.8	0.428
1984	131.4	101.4	35.1	23.7	4.4	47.3	13.9	61.0	1.7	0.324
1985	196.4	156.6	59.1	34.5	9.1	76.7	14.0	93.3	2.0	0.438
1986	281.5	214.1	95.8	58.9	11.0	95.8	17.2	113.3	3.1	0.449
1987	419.2	302.5	126.8	104.3	18.2	126.4	24.8	154.1	6.8	0.252
1988	338.3	248.1	126.1	79.9	16.5	98.9	11.5	114.7	3.8	0.368
1989	259.9	210.7	100.3	42.8	12.8	82.8	7.9	96.5	4.6	0.295
1990[d/]	152.2	131.2	61.7	20.7	4.9	48.8	4.8	57.6	3.5	0.078
1991[d/]	108.0	92.3	32.3	14.8	3.9	43.2	3.8	46.7	4.5	0.318
GOAL								40.0[e/]		

a/ Based on Columbia River fall chinook data base, WDF, unpublished data. Does not include hatchery URB chinook which were reared and released below McNary Dam.

b/ Adjusted for stray hatchery fish.

c/ Includes tributary and main stem catches.

d/ Preliminary.

e/ FMP goal. In 1990 and 1991, the CRFMP parties managed for an escapement of 45,000 at McNary Dam to account for increased hatchery brood stock needs and concern for the Snake River wild fall chinook stock in 1991.

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TABLE B-17. Estimates of inriver run size, catch and escapement in thousands of Columbia River adult MCB fall chinook destined for areas below McNary Dam, not including the Deschutes River.[a/] (Page 1 of 1)

			Harvest				
				Non-Indian		Escapement	
Year	Inriver Run Size	Bonneville Dam Count	Treaty Commercial and Subsistence	Commercial	Sport[b/]	Natural	Hatchery
1982	8.8	4.8	2.0	0.7	0.0	0.0	2.9
1983	14.4	8.1	2.7	1.1	0.1	0.0	4.9
1984	11.8	5.1	1.6	3.2	0.2	0.0	3.2
1985	6.1	1.7	1.2	1.7	0.1	0.0	2.8
1986	17.4	8.4	5.9	6.5	0.4	0.3	2.3
1987	56.9	26.0	16.1	24.4	1.4	4.7	6.5
1988	77.7	30.7	27.7	37.9	2.8	5.9	8.5
1989	93.1	31.8	21.8	46.2	3.7	5.0	14.1
1990[c/]	58.5	26.3	15.4	17.6	3.1	4.8	14.6
1991[c/]	32.0	14.3	7.6	9.1	0.6	3.0	10.1

a/ Based on Columbia River fall chinook data base, WDF, unpublished data. Does not include URB chinook destined for areas above McNary Dam or the Deschutes River.
b/ Includes tributary and main stem catches.
c/ Preliminary.

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TABLE B-18. Estimates of inriver run size, catch and escapement in thousands of lower Columbia River adult hatchery stock chinook.[a/] (Page 1 of 1)

		Harvest			Escapement	
			Non-Indian			
Year	Inriver Run Size	Treaty Commercial	Commerical	Sport[b/]	Natural	Hatchery[c/]
1971-1975	175.9	0.0	78.1	5.4	49.2	43.2
1971	181.0	0.0	83.8	5.8	35.8	55.6
1972	151.6	0.0	62.5	5.0	42.9	41.2
1973	215.1	0.0	119.8	4.9	40.3	50.1
1974	154.2	0.0	51.3	5.3	63.4	34.2
1975	183.5	0.0	73.1	6.0	69.6	34.8
1976	171.0	0.0	63.3	5.3	50.8	51.6
1977	165.1	0.0	74.5	3.9	44.5	42.2
1978	166.5	0.0	58.3	5.8	43.2	59.2
1979	118.7	0.0	43.9	4.0	25.3	45.5
1980	105.6	0.1	57.0	2.9	20.9	24.6
1981	94.9	1.0	21.5	2.9	26.5	42.5
1982	139.5	1.0	47.3	3.9	44.0	42.6
1983	88.1	0.8	14.9	1.5	33.7	36.5
1984	102.4	1.4	26.7	8.8	32.0	27.4
1985	111.0	0.1	17.6	5.3	52.4	35.2
1986	154.8	0.7	75.3	10.8	26.5	41.3
1987	344.2	0.6	179.8	32.7	49.6	80.5
1988	310.0	1.8	178.4	21.9	53.0	53.8
1989	130.9	0.0	31.0	15.3	45.1	39.3
1990[d/]	59.9	0.2	4.4	6.4	19.4	29.2
1991[d/]	71.6	0.7	8.5	9.8	21.7	30.5

a/ Based on Columbia River fall chinook data base, WDF, unpublished.
b/ Includes tributary catches.
c/ Does not include strays to hatcheries above Bonneville Dam or fish trapped at Bonneville Dam.
d/ Preliminary.

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TABLE B-19. Estimates of inriver run size, catch and escapement in thousands of lower Columbia River adult wild stock fall chinook.[a/] (Page 1 of 1)

		Harvest				
			Non-Indian		Escapement	
Year	Inriver Run Size	Treaty Commercial	Commercial	Sport[b/]	Natural	Hatchery
1971-1975	59.7	0.0	27.9	2.1	29.4	0.1
1971	107.5	0.0	50.7	4.8	51.8	0.2
1972	79.3	0.0	35.2	2.0	41.0	0.1
1973	48.6	0.0	28.7	1.4	18.4	0.1
1974	26.9	0.0	9.7	0.9	16.3	0.0
1975	36.8	0.0	15.2	1.5	20.1	0.0
1976	14.9	0.0	6.1	0.6	8.2	0.0
1977	29.8	0.0	14.4	1.1	14.2	0.1
1978	18.5	0.0	7.1	1.1	10.1	0.2
1979	32.8	0.0	12.6	2.0	17.9	0.3
1980	38.8	0.1	18.4	1.3	18.2	0.6
1981	25.0	0.0	1.4	1.1	21.5	0.9
1982	13.0	0.0	1.2	1.0	10.4	0.3
1983	16.8	0.0	0.6	1.5	14.1	0.6
1984	13.3	0.0	2.9	1.7	8.5	0.2
1985	13.3	0.0	3.6	1.3	7.9	0.4
1986	24.5	0.0	10.1	2.0	12.2	0.0
1987	37.9	0.2	16.4	3.6	17.5	0.2
1988	41.7	0.1	19.3	3.4	18.7	0.2
1989	38.6	0.0	6.7	4.9	26.7	0.3
1990[c/]	20.3	0.0	0.9	2.4	16.8	0.2
1991[c/]	15.5	0.0	3.6	1.1	10.6	0.0

a/ Based on Columbia River fall chinook data base, WDF, unpublished.
b/ Includes tributary catches.
c/ Preliminary.

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TABLE B-20. Estimates of minimum inriver run size, catch and escapement in thousands of adult coho entering the Columbia River.[a/]
(Page 1 of 1)

	Minimum Inriver Run Size	Below Bonneville Dam				Above Bonneville Dam			
		Lower River Catch[b/]		Lower River Escapement			Main Stem		
		Commercial	Sport	Hatchery[c/]	Tributary Dam Counts[d/]	Bonneville Dam Count[e/]	Commercial Treaty Catch	Bonneville Escapement[f/]	Hatchery Escapement[c/]
1971–1975	373.4	199.4	11.8	117.1	9.5	35.6	9.1	26.6	11.6
1971	544.4	264.3	17.4	187.6	21.3	53.8	13.1	40.7	20.4
1972	277.9	131.3	10.1	91.3	11.0	34.2	8.7	25.5	6.2
1973	291.2	183.7	7.7	68.2	5.8	25.8	11.1	14.7	4.6
1974	460.9	261.0	13.1	152.8	2.4	31.6	6.8	24.8	10.0
1975	292.4	156.6	10.6	85.4	7.0	32.8	5.7	27.1	16.7
1976	337.0	168.4	11.1	117.3	3.5	36.7	4.0	32.7	14.4
1977	93.5	39.0	6.2	37.1	1.9	9.3	1.0	8.3	2.0
1978	307.0	132.7	9.7	131.4	2.9	30.3	3.7	26.6	7.8
1979	275.8	127.6	12.3	101.2	5.1	29.6	3.9	25.7	7.5
1980	299.2	149.6	11.2	120.3	5.1	13.0	0.3	12.7	3.4
1981	170.0	59.7	7.7	77.9	2.8	21.9	1.8	20.1	9.2
1982	453.5	202.0	36.6	154.1	5.0	55.8	4.3	51.5	32.4
1983	109.0	7.1	8.8	76.3	3.2	13.6	0.2	13.4	2.2
1984	423.8	201.5	90.0	102.6	4.2	25.5	1.6	23.9	7.1
1985	366.8	190.0	35.9	94.8	7.5	38.6	5.2	33.4	11.5
1986	1,545.2	981.0	147.5	285.1	8.8	122.8	16.8	106.0	29.3
1987	309.5	165.2	54.7	65.1	4.2	20.3	2.3	18.0	8.6
1988	668.9	361.4	156.8	113.9	6.9	30.0	5.1	24.9	4.9
1989	714.3	387.0	97.9	190.2	6.9	32.3	2.4	29.9	11.4
1990[g/]	196.8	66.0	29.1	87.6	1.9	11.6	1.0	10.6	3.0
1991[g/]	915.6	403.1	234.4	205.4	5.2	60.4	7.2	53.2	17.6

a/ These numbers match the OPI data base. Adjustments were made to the escapement figures and catches.
b/ Includes some upriver origin coho. Sport catches listed in this table include tributary catches and catches in the Buoy 10 area which were 18,900 in 1982; 3,600 in 1983; 74,400 in 1984; 25,400 in 1985; 120,400 in 1986; 47,200 in 1987; 143,400 in 1988; 3,200 for Chinook/Hammond and 78,700 for Buoy 10 in 1989; 18,500 in 1990; 1,200 for Chinook/Hammond and 207,500 for Buoy 10 in 1991.
c/ Includes hatcheries operated by all agencies.
d/ Willamette Falls, Clackamas River (North Fork Dam) and Sandy River (Marmot Dam).
e/ Includes additional small adults counted as jacks for 1983–1984 and 1986–1989.
f/ Bonneville Dam count minus main stem commercial treaty Indian harvest.
g/ Preliminary.

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TABLE B-21. Estimated catch and effort in the Buoy 10 fishery.[a/] (Page 1 of 1)

Year	Angler Trips	Catch		Catch Per Trip
		Chinook	Coho	
1982	17,336	723	18,857	1.13
1983	7,128	604	3,574	0.59
1984	67,365	12,177	74,370	1.28
1985	32,156	2,655	25,387	0.87
1986	102,190	15,600	120,422	1.33
1987	124,594	42,100	47,170	0.72
1988	186,051	30,770	143,417	0.94
1989[b/]	152,770	16,392	81,915	0.64
1990[c/]	79,636	5,203	18,463	0.30
1991[d/]	171,680	11,588	208,678	1.28

a/ Prior to 1982, Buoy 10 area catches were not estimated separately and are included in the Columbia River marine area (Cape Falcon to Leadbetter Pt.) recreational catches. Estimates include bank anglers fishing from Clatsop Spit in Oregon and from the north jetty in Washington.

b/ Does not include catch and effort data for the Chinook/Hammond fishery occurring during weeks 32 and 33. A total of 7,922 angler trips produced catches of 492 chinook and 3,195 coho and a catch rate of 0.47 fish per trip. Catches in this fishery were counted against the Buoy 10 quota.

c/ Includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 3,225 angler trips produced catches of 54 chinook and 28 coho and a catch rate of 0.03 fish per trip.

d/ Includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 2,759 angler trips produced catches of 39 chinook and 1,151 coho and a catch rate of 0.43 fish per trip.

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TABLE B-22. Willapa Bay fall chinook non-local stock catch and terminal run size, catch and spawning escapement in numbers of fish. (Page 1 of 1)

Year	Non-local Stocks Gillnet Catch[a/]	Terminal Catch		Spawning Escapement		Terminal Run Size[c/]
		Gillnet	Sport	Natural[b/]	Hatchery	
		CHINOOK (thousands)				
1976-1980	8.1	14.7	0.4	3.2	5.6	23.9
1981-1985	0.9	7.4	0.6	3.4	6.1	17.5
1976	12.2	16.8	0.4	2.6	3.8	23.6
1977	17.6	13.8	0.5	2.0	6.8	23.1
1978	1.4	10.0	0.6	4.4	6.0	21.0
1979	3.0	15.0	0.4	3.5	5.3	24.2
1980	6.5	17.8	0.2	3.4	6.0	27.4
1981	3.2	13.7	0.3	2.8	4.2	21.0
1982	0.7	8.8	0.6	2.7	4.6	16.7
1983	0.1	2.3	0.9	3.1	6.2	12.5
1984	0.4	3.6	0.2	5.4	9.5	18.7
1985	0.2	8.6	0.9	3.2	6.1	18.8
1986	0.5	7.1	1.0	3.0	7.7	18.8
1987	0.5	7.6	1.2	5.9	21.7	36.4
1988	5.6	33.0	2.6	18.0	17.4	71.1
1989	3.6	24.5	2.0[d/]	26.4	15.6	70.5
1990[d/]	1.9	18.9	NA	12.5	8.7	NA
1991[d/]	1.7	25.6	NA	7.5	11.5	NA
GOAL					8.5[e/]	

a/ Non-local gillnet is catch in Area 2G prior to Aug. 16.
b/ Includes hatchery strays to natural spawning areas. Escapement estimates after 1984 are based on revised spawning habitat estimates.
c/ Does not include non-local stocks catch.
d/ Preliminary.
e/ Based on egg-take goal of 9,360,000.

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TABLE B-23. Willapa Bay terminal coho run size, catch and spawning escapement in numbers of fish. (Page 1 of 1)

Year	Terminal Catch		Spawning Escapement		Terminal Run Size[b/]
	Gillnet	Sport[a/]	Natural	Hatchery	
		COHO (thousands)			
1976–1980	15.0	1.5	4.8	12.2	33.6
1981–1985	39.0	2.2	2.1	26.6	69.9
1976	9.0	0.8	7.0	10.1	26.9
1977	3.1	0.6	2.3	4.4	10.4
1978	7.0	0.6	3.3	7.6	18.5
1979	31.1	4.8	6.6	23.6	66.1
1980	25.0	0.8	5.0	15.2	46.0
1981	30.0	0.7	7.5	22.9	61.1
1982	70.0	3.6	2.1	33.4	109.1
1983	9.0	2.1	1.1	18.6	30.8
1984	50.7	2.9	NA	33.4	87.0
1985	35.3	1.5	NA	24.9	61.7
1986	118.6	5.7	NA	73.5	197.8
1987	63.8	2.0	NA	21.8	87.6
1988	49.4	2.4	NA	30.3	82.1
1989	68.4	1.7	NA	31.0	101.0
1990[c/]	47.8	NA	NA	23.7	NA
1991[c/]	93.6	NA	NA	62.3	NA
GOAL			Hatchery Production		

a/ Adults.
b/ Does not include natural spawning escapement after 1983.
c/ Preliminary.

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TABLE B-24. Grays Harbor chinook non-local catch and terminal run size, catch and spawning escapement in numbers of fish. (Page 1 of 2)

Year	Early Non-local Catch	Terminal Catch: Gillnet Non-Indian	Terminal Catch: Gillnet Treaty	Terminal Catch: Chehalis Tribal Gillnet	Terminal Catch: Sport[a/]	Spawning Escapement: Natural[a/]	Spawning Escapement: Hatchery	Terminal Run Size[b/]
SPRING CHINOOK (thousands)								
1976-1980	-	-	-	0.6	c/	0.6	-	1.2
1981-1985	-	-	-	0.1	c/	0.9	-	0.9
1976	-	-	-	0.4	c/	0.6	-	1.0
1977	-	-	-	0.9	c/	0.8	-	1.7
1978	-	-	-	0.6	c/	1.0	-	1.6
1979	-	-	-	0.8	c/	0.4	-	1.1
1980	-	-	-	0.3	c/	0.2	-	0.6
1981	-	-	-	0.3	c/	0.6	-	0.9
1982	-	-	-	0.1	c/	0.6	-	0.7
1983	-	-	-	0.1	-	0.8	-	0.9
1984	-	-	-	-	c/	1.1	-	1.1
1985	-	-	-	-	c/	1.2	-	1.2
1986	-	-	-	c/	c/	2.0	-	2.0
1987	-	-	c/	0.2	c/	0.9	-	1.1
1988	-	-	-	0.1	c/	3.5	-	3.6
1989	-	-	c/	0.3	c/	2.1	-	2.4
1990[d/]	-	-	-	0.1	c/	1.5	-	1.6
1991[d/]	-	-	-	0.2	c/	1.2	-	1.4
GOAL						1.4		

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TABLE B-24. Grays Harbor chinook non-local catch and terminal run size, catch and spawning escapement in numbers of fish. (Page 2 of 2)

Year	Early Non-local Catch	Terminal Catch: Gillnet Non-Indian	Terminal Catch: Gillnet Treaty	Terminal Catch: Chehalis Tribal Gillnet	Terminal Catch: Sport[a/]	Spawning Escapement: Natural[a/]	Spawning Escapement: Hatchery	Terminal Run Size[b/]
				FALL CHINOOK (thousands)				
1976-1980	4.4	1.8	3.1	1.0	1.2	6.5	0.3	14.0
1981-1985	0.6	0.8	3.6	0.5	0.3	6.0	0.8	12.0
1976	5.3	2.9	3.1	0.4	0.8	1.8	-	8.9
1977	13.5	1.8	4.1	1.3	1.0	5.2	0.2	13.6
1978	0.9	0.7	2.6	1.1	1.9	4.6	0.2	11.1
1979	0.9	-	0.1	1.4	1.2	9.4	0.1	12.3
1980	1.5	3.7	5.6	0.8	0.8	11.7	1.1	23.7
1981	1.6	0.6	3.6	0.7	0.2	7.6	0.8	13.4
1982	0.6	3.1	4.6	0.7	0.2	5.6	0.4	14.6
1983	0.1	0.1	3.3	0.3	0.1	5.5	0.6	9.9
1984	0.5	0.2	0.9	0.3	0.4	21.0	0.9	23.6
1985	0.1	0.1	5.3	0.3	0.6	9.4	1.1	16.9
1986	0.2	2.2	5.4	0.3	0.4	10.5	1.2	20.1
1987	0.3	3.1	9.7	0.2	0.8[e/]	18.8	1.8	34.4[e/]
1988	0.7	3.5	4.9	0.8	2.0[e/]	28.2	0.2	39.5[e/]
1989	0.4	8.0	18.5	1.0	2.1[e/]	26.1	-	55.7[e/]
1990[d/]	0.2	6.2	13.5	0.5	NA	16.5	NA	NA
1991[d/]	0.2	5.9	8.0	0.6	NA	NA	0.4	NA
GOAL						14.6		

a/ Three-year olds and older.
b/ Minimum estimate due to incomplete estimates of river recreational catch. Not including non-local catch.
c/ Less than 50 fish.
d/ Preliminary.
e/ Catch estimates by WDF reflect application of punch card bias correction factor. Quinault Indian Nation does not believe this factor is appropriate for this fishery. Unadjusted catch estimates are 1,000 for 1987, 2,400 for 1988 and 2,500 for 1989; terminal run sizes would be adjusted accordingly.

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TABLE B-25. Grays Harbor coho terminal run size, catch and spawning escapement estimates in numbers of fish. (Page 1 of 1)

Year	Gillnet Catch			Sport Catch[a/]	Spawning Escapement		Terminal Run Size
	Non-Indian	Treaty	Chehalis River Tribal		Natural	Hatchery	
			COHO (thousands)				
1976-1980	5.2	9.8	3.5	2.5	29.5	9.4	59.8
1981-1985	3.0	25.8	3.2	0.9	12.9	19.9	64.9
1976	13.8	14.6	4.0	2.7	43.9	2.5	81.5
1977	1.5	2.5	1.5	0.8	26.8	0.4	33.5
1978	0.8	4.3	1.9	2.3	11.7	7.3	28.3
1979	-	3.3	5.9	5.1	35.4	28.4	78.2
1980	10.0	24.1	4.2	1.7	29.7	8.2	77.9
1981	3.0	25.8	3.2	0.9	13.0	19.9	65.8
1982	17.4	26.1	6.0	3.9	18.1	11.3	82.8
1983	1.8	11.8	0.8	1.8	25.3	14.8	56.3
1984	3.2	6.6	3.4	16.3	105.2	36.6	171.3
1985	0.5	9.2	0.9	1.4	20.6	10.9	43.5
1986	12.5	36.6	1.9	6.2	33.7	40.4	131.3
1987	17.3	30.6	3.5	3.2[b/]	22.6	13.6	90.9[b/]
1988	3.5	20.3	0.5	5.7[b/]	61.9	41.3	133.2[b/]
1989	1.3	23.3	1.7	4.8[b/]	56.7	25.6	113.4[b/]
1990[c/]	3.9	39.6	1.5	NA	46.0	22.1	NA
1991[c/]	45.6	68.8	8.3	NA	NA	74.9	NA
GOAL					35.4		

a/ Adults.

b/ Estimates provided by WDF for recreational catch reflect punch card bias correction factor. Quinault Indian Nation does not believe this factor is appropriate. Unadjusted estimates are 3,900 for 1987, 6,800 for 1988 and 5,800 for 1989; terminal run sizes would be adjusted accordingly.

c/ Preliminary.

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TABLE B–26. Treaty Indian gillnet catch of chinook, chum and sockeye in the Quinault River in thousands of fish. (Page 1 of 1)

Year	Spring Chinook[a/]	Fall Chinook[a/]	Chum	Sockeye
1976–1980	0.2	4.3	8.0	17.6
1981–1985	0.2	5.1	4.7	12.6
1976	0.1	3.2	7.4	14.8
1977	0.1	0.6	3.6	30.5
1978	0.3	6.9	13.7	21.0
1979	0.3	6.5	3.2	4.7
1980	0.3	4.4	11.9	16.8
1981	0.2	5.3	4.5	21.7
1982	0.2	5.5	7.4	15.3
1983	0.1	4.4	3.7	0.4
1984	0.2	5.5	4.3	0.9
1985	0.1	4.8	3.7	24.7
1986	0.1	6.7	7.1	1.9
1987	0.3	12.2	3.5	24.3
1988[b/]	0.4	9.8	8.6	18.2
1989[b/]	0.5	10.1	2.6	2.7
1990[b/]	0.3	5.3	1.7	9.0
1991[b/]	0.1	6.3	2.6	5.6

a/ Preliminary. Stock separation under review.
b/ Preliminary.

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TABLE B-27. Estimated inriver run size, catch and escapement for Quinault River coho in thousands of fish. (Page 1 of 1)

	Terminal Catch[a/]							
				Escapement		Terminal Run Size		
Year	Gillnet	Ceremonial & Subsistence	River Sport	Natural	Hatchery	Natural	Hatchery	Total
1977-1980	9.8	-	-	3.4	2.9	8.5	7.5	16.0
1981-1985	10.7	-	-	4.2	6.3	7.8	13.4	19.9
1976	NA	-	-	NA	NA	NA	NA	NA
1977	1.9	-	-	1.5	0.3	3.0	0.6	3.6
1978	6.9	-	-	2.5	1.6	6.6	4.2	10.8
1979	17.8	-	-	7.2	4.7	18.0	11.7	29.7
1980	12.4	-	-	2.5	4.9	6.3	13.4	19.7
1981	10.4	-	-	2.2	7.3	4.5	15.4	19.9
1982	11.0	-	-	7.2	4.9	14.4	8.7	23.1
1983	3.7	-	-	7.0	6.4	9.0	8.1	17.1
1984	21.1	-	-	3.2	9.8	7.8	26.2	34.0
1985	7.3	-	-	1.5	3.1	3.3	8.7	12.0
1986	24.4	-	-	4.8	5.3	11.6	22.9	34.5
1987	14.0	-	-	2.2	1.5	8.5	9.2	17.7
1988	12.8	-	-	1.2	6.9	2.3	18.5	20.8
1989	9.0	-	-	4.5	4.7	8.1	10.1	18.2
1990[b/]	8.8	-	-	3.4	5.3	5.5	12.0	17.4
1991[b/]	21.5	-	-	4.8	10.4	8.8	28.0	36.8
GOAL				Hatchery Production				

a/ Ceremonial and subsistence included in gillnet catch. Recreational catch negligible. Includes dip-in fish destined for other river systems.

b/ Preliminary.

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TABLE B-28. Estimated inriver run size, catch and escapement for Queets River spring/summer chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural	Hatchery	Total
1976–1980	0.3	c/	0.1	0.8	c/	1.2	c/	1.2
1981–1985	0.2	c/	0.1	0.9	c/	1.2	c/	1.2
1976	0.2	c/	0.1	0.5	–	0.7	–	0.7
1977	0.4	c/	c/	0.7	–	1.2	–	1.2
1978	0.2	c/	0.1	1.1	–	1.4	–	1.4
1979	0.5	c/	0.1	0.9	0.1	1.4	0.2	1.6
1980	0.1	c/	0.1	1.0	–	1.2	–	1.2
1981	0.3	c/	c/	1.0	–	1.3	–	1.3
1982	0.5	c/	c/	0.8	0.1	1.2	0.2	1.4
1983	0.1	c/	c/	1.0	c/	1.2	c/	1.2
1984	0.1	c/	0.1	1.0	–	1.2	–	1.2
1985	0.2	c/	0.2	0.7	–	0.9	–	0.9
1986	0.2	c/	c/	0.9	–	1.2	–	1.2
1987	0.9	c/	0.1	0.6	–	1.6	–	1.6
1988	0.4	c/	0.1	1.8	–	2.3	–	2.3
1989[d/]	1.2	0.1	0.1	2.5	–	3.8	–	3.8
1990[d/]	0.6	c/	0.1	1.8	–	2.5	–	2.5
1991[d/]	0.1	c/	c/	0.7	–	0.8	–	0.8
GOAL				0.7[e/]				

a/ Recreational catch of adults.
b/ Natural escapement includes hatchery strays.
c/ Less than 50 fish.
d/ Preliminary.
e/ Minimum. Terminal run managed at 30 percent exploitation rate.

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TABLE B-29. Estimated inriver run size, catch and escapement for Queets River fall chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural	Hatchery	Total
1976–1980	1.5	NA	c/	2.8	–	4.3	–	4.3
1981–1985	2.1	NA	0.1	3.8	0.3	5.7	0.6	6.3
1976	1.3	NA	c/	1.2	–	2.5	–	2.5
1977	2.0	NA	c/	3.6	–	5.5	–	5.5
1978	0.9	NA	0.1	2.2	–	3.1	–	3.1
1979	0.9	0.1	c/	3.9	–	4.7	–	4.7
1980	2.6	NA	c/	3.2	–	5.8	–	5.8
1981	3.8	NA	0.1	4.3	0.1	8.0	0.2	8.2
1982	2.3	NA	0.2	4.1	0.2	6.2	0.4	6.6
1983	1.3	c/	0.2	2.6	0.3	3.8	0.6	4.4
1984	1.6	c/	0.1	3.9	0.6	5.3	1.0	6.3
1985	1.5	c/	0.1	3.9	0.4	5.3	0.6	5.9
1986	1.0	c/	0.2	7.7	0.2	8.9	0.3	9.2
1987	3.9	c/	0.2	6.0	0.4	9.6	1.1	10.7
1988[d/]	2.5	c/	0.3	7.6	1.0	10.4	1.3	11.7
1989[d/]	2.5	c/	0.2	8.7	0.8	11.3	1.1	12.4
1990[d/]	2.2	c/	0.2	10.1	0.6	12.3	0.9	13.2
1991[d/]	1.5	c/	0.2	3.7	0.5	5.1	0.8	5.9
GOAL				2.5[e/]				

a/ Recreational catch of 3 year olds and older.
b/ Includes fish taken for hatchery brood stock.
c/ Less than 50 fish.
d/ Preliminary. Escapement and run size estimates based on inseason data.
e/ Minimum. Terminal run managed at 40 percent exploitation rate.

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TABLE B-30. Estimated inriver run size, catch and escapement for Queets River coho in thousands of fish. (Page 1 of 1)

Year	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural[c/]	Hatchery	Natural	Hatchery	Total
1976–1980	2.4	NA	0.1	3.5	1.0	5.1	1.6	6.7
1981–1985	2.4	NA	0.1	5.5	2.6	6.4	3.8	10.2
1976	2.9	NA	0.1	1.2	0.1	4.1	0.3	4.4
1977	1.0	NA	0.1	1.9	0.3	2.6	0.5	3.1
1978	2.4	NA	0.1	2.7	0.6	4.1	0.9	5.0
1979	2.7	0.1	0.2	6.8	1.6	8.7	2.1	10.8
1980	3.2	d/	0.2	4.7	2.4	6.0	4.4	10.4
1981	4.2	NA	0.2	4.8	2.4	6.1	4.5	10.6
1982	1.6	NA	0.1	7.0	4.5	7.8	5.4	13.2
1983	1.0	d/	d/	2.3	1.1	2.4	1.8	4.2
1984	1.3	d/	d/	9.2	4.0	9.7	4.4	14.1
1985	3.8	d/	0.2	4.0	1.2	6.1	2.7	8.8
1986	9.9	d/	d/	5.3	3.9	6.0	12.5	18.5
1987	12.4	–	0.1	4.8	3.5	9.0	10.9	19.9
1988	5.4	d/	0.2	4.4	8.7	4.6	14.1	18.7
1989[e/]	5.9	–	0.2	4.5	2.6	5.4	7.6	13.0
1990[e/]	8.7	d/	0.2	5.4	5.5	6.9	12.6	19.5
1991[e/]	10.3	d/	0.2	6.4	6.3	8.0	14.4	22.4
GOAL				5.8–14.5				

a/ Includes dip-in fish from other systems.
b/ Recreational catch of adults (coho over 20 inches).
c/ Natural escapement and run size estimates include fish taken for hatchery brood stock.
d/ Less than 50 fish.
e/ Preliminary.

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TABLE B-31. Estimated inriver run size, catch and escapement for Hoh River spring/summer chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural	Hatchery	Total
1976–1980	0.6	0.1	0.1	1.0	–	1.8	–	1.8
1981–1985	0.5	c/	0.1	1.5	0.1	NA	0.1	NA
1976	0.5	c/	0.1	0.6	–	1.3	–	1.3
1977	0.9	c/	c/	1.0	–	2.0	–	2.0
1978	1.0	0.1	0.1	1.4	–	2.6	–	2.6
1979	0.7	0.1	0.1	1.4	–	2.3	–	2.3
1980	0.1	c/	0.1	0.8	–	1.0	–	1.0
1981	0.4	0.1	c/	1.5	c/	2.1	0.1	2.2
1982	0.6	c/	0.1	1.6	0.1	2.3	0.2	2.5
1983	0.5	c/	0.1	1.8	0.1	NA	0.1	NA
1984	0.4	c/	0.3	1.5	–	2.4	–	2.4
1985	0.4	c/	0.1	1.0	0.1	1.4	0.1	1.5
1986	0.6	c/	0.1	1.5	–	2.5	–	2.5
1987	0.7	c/	0.2	1.7	–	2.6	–	2.6
1988	1.0	c/	0.3	2.6	–	3.9	–	3.9
1989	1.7	c/	0.6	4.1	0.1	6.5	0.2	6.6
1990[d/]	1.4	c/	0.6	3.9	c/	5.8	0.1	5.8
1991[d/]	0.6	c/	0.3	2.0	–	2.9	–	2.9
GOAL				0.9[e/]				

a/ Recreational catch of adults.
b/ Includes fish taken for hatchery brood stock.
c/ Less than 50 fish.
d/ Preliminary.
e/ Minimum. Terminal run managed at 31 percent exploitation rate.

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TABLE B-32. Estimated inriver run size, catch and escapement for Hoh River fall chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural	Hatchery	Total
1976-1980	0.8	c/	0.1	2.1	-	3.0	-	3.0
1981-1985	0.8	c/	0.1	2.7	c/	3.7	0.1	3.8
1976	0.5	c/	0.1	2.5	-	3.1	-	3.1
1977	1.6	c/	0.1	2.1	-	3.8	-	3.8
1978	0.8	0.1	0.1	1.9	-	2.9	-	2.9
1979	0.4	c/	0.1	1.7	-	2.2	-	2.2
1980	0.5	c/	0.1	2.2	-	2.8	-	2.8
1981	0.8	c/	0.1	3.1	-	4.0	-	4.0
1982	1.2	c/	0.1	4.5	c/	5.8	0.1	5.9
1983	0.5	c/	0.2	2.5	c/	3.3	0.1	3.4
1984	0.8	c/	0.2	1.9	c/	2.6	0.1	2.7
1985	0.9	0.1	c/	1.7	c/	2.7	0.1	2.8
1986	0.9	c/	0.2	5.0	c/	6.0	0.1	6.1
1987	1.8	c/	0.3	4.0	c/	6.1	0.1	6.2
1988[d/]	2.6	c/	0.2	4.1	c/	6.9	0.1	7.0
1989[d/]	2.7	0.1	0.8	5.1	c/	8.7	0.1	8.8
1990[d/]	1.9	c/	0.3	4.2	c/	6.1	0.1	6.2
1991[d/]	1.1	c/	0.1	2.3	c/	3.5	0.1	3.5
GOAL				1.2[e/]				

a/ River recreational catch of 3 year olds and older.
b/ Includes fish taken for hatchery brood stock.
c/ Less than 50 fish.
d/ Preliminary. Escapement and run size estimates based on inseason data.
e/ Minimum. Terminal run managed at 40 percent exploitation rate.

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TABLE B-33. Estimated inriver run size, catch and escapement for Hoh River coho in thousands of fish. (Page 1 of 1)

Year	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural[c/]	Hatchery	Natural	Hatchery	Total
1976–1980	2.0	0.1	0.1	2.7	0.1	4.7	0.3	5.0
1981–1985	1.6	d/	0.1	3.4	0.1	4.8	0.3	5.1
1976	1.8	d/	0.1	2.3	–	4.2	–	4.2
1977	1.0	d/	d/	2.4	–	3.4	–	3.4
1978	2.8	0.1	d/	2.1	–	5.1	–	5.1
1979	2.9	0.1	0.1	5.0	0.4	8.2	0.9	9.1
1980	1.3	0.1	d/	1.7	0.1	2.6	0.6	3.2
1981	2.1	d/	d/	1.9	0.1	3.3	0.8	4.1
1982	2.0	0.1	d/	3.6	0.1	5.4	0.4	5.8
1983	0.1	d/	d/	1.7	0.3	1.8	0.3	2.1
1984	0.3	d/	d/	7.4	–	7.8	d/	7.8
1985	3.4	d/	0.2	2.2	–	5.5	0.2	5.7
1986	2.8	d/	0.4	4.3	–	6.4	0.8	7.2
1987	4.0	0.1	0.3	3.7	–	7.2	0.8	8.0
1988	0.4	d/	d/	2.4	0.7	2.7	0.7	3.4
1989	2.4	d/	0.1	3.3	0.4	5.6	0.5	6.0
1990	3.1	d/	0.1	2.1	0.1	4.5	0.2	4.7
1991[e/]	1.1	d/	0.1	2.3	0.2	3.4	0.2	3.5
GOAL				2.0–5.0				

a/ Includes dip-in fish from other systems.
b/ Recreational catch of adults (coho over 20 inches).
c/ Natural escapement and run size estimates include fish taken for hatchery brood stock.
d/ Less than 50 fish.
e/ Preliminary.

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TABLE B-34. Estimated inriver run size, catch and escapement for Quillayute River spring/summer chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery[c/]	Natural	Hatchery[c/]	Total
1976–1980	2.5	d/	0.4	2.1	0.8	3.0	2.8	5.8
1981–1985	0.7	d/	0.1	0.9	0.3	1.6	0.5	2.1
1976	2.4	d/	0.8	1.3	1.8	1.7	4.6	6.3
1977	3.2	d/	0.4	3.8	0.9	5.3	3.0	8.3
1978	3.4	d/	0.4	2.3	0.7	2.7	4.1	6.8
1979	2.6	d/	0.2	2.1	0.2	3.9	1.2	5.1
1980	1.0	d/	0.1	0.9	0.4	1.5	1.0	2.5
1981	1.0	d/	0.1	0.8	0.3	1.7	0.6	2.3
1982	1.7	d/	0.1	1.2	0.1	2.7	0.5	3.2
1983	0.4	d/	0.1	1.4	0.2	1.8	0.4	2.2
1984	0.3	d/	0.3	0.6	0.4	1.0	0.5	1.5
1985	0.1	d/	d/	0.6	0.3	0.7	0.4	1.1
1986	0.4	d/	0.1	0.6	0.3	1.0	0.4	1.4
1987[e/]	1.8	d/	0.1	0.6	1.5	1.6	2.2	3.8
1988[e/]	2.1	d/	0.5	1.3	1.2	2.6	2.6	5.2
1989[e/]	2.3	d/	0.3	2.4	1.1	3.4	2.7	6.1
1990[e/]	1.7	d/	0.3	1.5	0.9	1.9	2.6	4.4
1991[e/]	1.3	d/	0.3	1.2	0.8	1.5	2.1	3.6
GOAL				1.5[f/]				

a/ Recreational catch of adults (coho over 20 inches).
b/ Natural escapement includes hatchery strays.
c/ Hatchery escapement and terminal run size exclude hatchery strays.
d/ Less than 50 fish.
e/ Preliminary.
f/ WDF goal. Includes jacks.

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TABLE B-35. Estimated inriver run size, catch and escapement for Quillayute River fall chinook in thousands of fish. (Page 1 of 1)

Year	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery[c/]	Natural	Hatchery[c/]	Total
1976–1980	2.6	d/	0.2	4.2	0.1	6.5	0.6	7.2
1981–1985	2.1	0.1	0.1	6.3	0.1	8.2	0.3	8.5
1976	2.3	d/	0.3	2.5	0.1	4.7	0.4	5.1
1977	5.4	d/	0.1	3.3	0.2	7.6	1.4	9.0
1978	1.5	d/	0.3	4.7	0.3	6.2	0.5	6.7
1979	2.7	d/	0.2	3.9	0.1	6.6	0.2	6.8
1980	1.3	d/	0.2	6.7	d/	7.6	0.7	8.3
1981	1.3	0.1	0.1	6.0	0.1	7.1	0.4	7.5
1982	2.8	0.1	0.1	7.1	0.1	9.7	0.3	10.0
1983	2.5	0.1	0.1	3.1	0.1	5.5	0.3	5.8
1984	1.4	0.1	0.1	9.1	0.1	10.4	0.3	10.8
1985	2.4	0.1	0.2	6.1	d/	8.4	0.1	8.5
1986	3.0	0.1	0.8	10.0	0.1	13.5	0.3	13.8
1987	8.0	0.1	0.7	12.4	0.2	20.7	0.5	21.1
1988	6.2	0.1	1.0	15.2	0.2	22.2	0.5	22.7
1989[e/]	7.3	0.1	0.3	10.0	0.1	17.1	0.6	17.7
1990[e/]	2.9	0.1	0.3	13.7	d/	16.8	0.1	16.9
1991[e/]	1.0	0.1	0.3	6.3	d/	7.5	d/	7.5
GOAL				3.0[f/]				

a/ River recreational catch of 3 year olds and older.
b/ Includes fish taken for hatchery brood stock and hatchery strays.
c/ Hatchery escapement and terminal run size exclude hatchery strays.
d/ Less than 50 fish.
e/ Preliminary. Escapement and run size estimates based on inseason data.
f/ Minimum. Terminal run managed at 40 percent exploitation rate.

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TABLE B-36. Estimated inriver run size, catch and escapement for Quillayute River coho stocks in thousands of fish. (Page 1 of 1)

Year	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural[c/]	Hatchery[d/]	Natural[c/]	Hatchery[d/]	Total
			SUMMER COHO					
1976-1980	5.0	0.1	0.3	1.2	4.6	2.0	9.2	11.1
1981-1985	4.1	0.1	0.2	0.9	2.6	2.2	5.7	7.9
1976	0.5	e/	e/	1.2	1.2	1.5	1.5	3.0
1977	1.3	e/	e/	1.0	1.8	1.5	2.7	4.2
1978	0.8	e/	0.1	1.5	1.0	2.1	1.4	3.5
1979	10.6	0.1	0.6	1.5	9.7	2.9	19.5	22.4
1980	12.0	0.1	0.5	0.8	9.0	1.8	20.6	22.5
1981	2.1	e/	0.1	0.8	0.5	2.4	1.5	3.8
1982	11.7	0.1	0.2	0.9	3.7	3.3	13.3	16.6
1983	0.4	e/	0.2	0.8	4.0	0.9	4.5	5.4
1984	4.0	0.1	0.3	1.6	4.0	2.8	7.1	9.9
1985	2.1	0.1	0.1	0.7	1.0	1.6	2.3	3.9
1986	5.7	0.1	0.2	0.7	8.9	1.1	14.5	15.7
1987	7.5	0.1	0.5	0.6	0.9	3.8	5.7	9.6
1988	1.4	0.1	0.1	0.9	1.9	1.4	3.0	4.4
1989	0.8	0.1	0.2	1.0	3.6	1.2	4.5	5.6
1990	0.6	0.1	0.2	0.8	4.8	0.9	5.5	6.4
1991[f/]	2.7	0.1	-	-	9.9	-	-	-
GOAL				Hatchery Production				
			FALL RUN COHO					
1976-1980	6.0	0.1	0.1	9.0	2.4	14.0	3.6	17.5
1981-1985	3.8	e/	0.1	7.5	2.1	11.0	2.5	13.5
1976	8.5	0.1	0.1	3.9	0.4	11.8	1.2	13.0
1977	2.8	e/	e/	3.5	0.1	6.3	0.2	6.5
1978	4.2	e/	0.1	10.3	3.5	13.6	4.6	18.1
1979	7.4	0.1	0.1	20.2	5.0	26.3	6.5	32.8
1980	7.0	0.1	e/	7.0	3.2	11.9	5.5	17.3
1981	3.7	0.1	0.1	6.3	0.6	9.8	1.0	10.8
1982	5.4	e/	0.2	10.4	2.1	15.1	3.1	18.2
1983	0.7	e/	0.1	2.7	0.7	3.3	0.8	4.1
1984	0.6	0.1	0.1	10.5	6.6	10.9	6.9	17.8
1985	8.5	0.1	0.1	7.5	0.4	15.7	0.9	16.6
1986	6.4	0.1	0.4	10.7	1.1	17.0	1.7	18.7
1987	13.8	0.1	0.4	11.4	0.8	23.8	2.7	26.5
1988	2.2	0.1	0.1	7.2	2.1	9.1	2.7	11.8
1989	2.5	0.1	0.2	9.0	2.6	11.2	3.1	14.3
1990	4.0	0.1	0.2	5.5	1.2	9.4	1.6	11.0
1991[f/]	2.1	0.1	0.4	10.9	7.2	12.2	8.5	20.6
GOAL				6.3-15.8				

a/ Includes dip-in fish from other systems. Ceremonial and subsistence included in gillnet catch.
b/ Recreational catch of adults (coho over 20 inches).
c/ Natural escapement and run size estimates include fish taken for hatchery brood stock.
d/ Hatchery escapement and terminal run size exclude hatchery strays.
e/ Less than 50 fish.
f/ Preliminary.

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Table B-37. Puget Sound commercial net and troll fishery salmon catches.[a] (Page 1 of 2)

Year	Fishery	Chinook	Coho	Pink	Chum	Sockeye
		THOUSANDS OF FISH				
1971-1975	Non-Indian	103.9	523.6	1,942.9[b]	331.1	2,159.0
	Treaty Indian	54.0	224.7	114.4[b]	78.2	37.8
	Total	157.9	748.3	2,057.3[b]	409.3	2,196.8
1976-1980	Non-Indian	103.5	413.4	2,626.1[b]	408.0	1,095.6
	Treaty Indian	126.1	488.5	464.4[b]	294.9	277.8
	Total	229.6	901.9	3,090.5[b]	702.9	1,373.4
1981-1985	Non-Indian	71.1	344.1	1,917.1[b]	368.7	924.6
	Treaty Indian	144.4	606.6	1,377.8[b]	388.0	912.6
	Total	215.5	950.7	3,294.9[b]	756.7	1,837.2
1981	Non-Indian	76.7	276.5	2,725.9	222.7	755.8
	Treaty Indian	137.6	467.3	1,172.7	274.2	549.1
	Total	214.3	743.8	3,898.6	496.9	1,304.9
1982	Non-Indian	81.6	394.1	0.0	531.3	1,476.0
	Treaty Indian	123.1	746.0	0.0	445.3	1,392.1
	Total	204.7	1,140.1	0.0	976.6	2,868.1
1983	Non-Indian	49.9	339.9	1,048.7	208.8	180.7
	Treaty Indian	150.2	585.6	802.3	270.8	219.8
	Total	200.1	925.5	1,851.0	479.7	400.5
1984	Non-Indian	75.5	297.5	0.0	322.8	854.1
	Treaty Indian	167.2	510.3	0.1	401.7	850.3
	Total	242.8	807.7	0.1	724.5	1,704.4
1985	Non-Indian	75.0	422.0	2,002.3	558.1	1,375.8
	Treaty Indian	170.3	730.4	2,173.1	546.9	1,550.7
	Total	245.3	1,152.4	4,175.4	1,105.0	2,926.5
1986	Non-Indian	73.5	493.5	0.0	505.7	1,394.0
	Treaty Indian	150.4	863.6	0.1	650.1	1,357.4
	Total	223.9	1,357.1	0.1	1,155.8	2,751.3
1987	Non-Indian	57.3	664.0	963.3	597.3	974.7
	Treaty Indian	155.8	1,118.2	1,106.4	704.3	971.3
	Total	213.1	1,782.2	2,069.8	1,301.6	1,946.1
1988	Non-Indian	50.4	459.8	0.0	706.3	348.0
	Treaty Indian	181.1	777.7	0.1	862.4	501.4
	Total	231.4	1,237.5	0.1	1,568.7	849.4

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Table B-37. Puget Sound commercial net and troll fishery salmon catches.[a/] (Page 2 of 2)

Year	Fishery	Chinook	Coho	Pink	Chum	Sockeye
			THOUSANDS OF FISH			
1989	Non-Indian	54.1	344.4	1,583.9	368.1	1,127.8
	Treaty Indian	199.8	621.1	1,843.8	518.4	1,124.0
	Total	253.9	965.4	3,427.7	886.5	2,251.7
1990[c/]	Non-Indian	52.4	392.2	0.0	526.6	982.2
	Treaty Indian	196.9	675.7	0.3	573.5	1,187.1
	Total	249.4	1,067.9	0.3	1,100.0	2,169.4
1991[c/]	Non-Indian	21.8	193.8	1,575.5	477.9	993.8
	Treaty Indian	120.4	392.5	1,694.8	538.3	837.5
	Total	142.2	586.3	3,270.3	1,016.2	1,831.3

a/ Data does not reflect treaty Indian allocations. Includes U.S. and Canadian-origin salmon and fish caught in test fisheries.
b/ Odd-year average.
c/ Preliminary.

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TABLE B-38. Summary of Puget Sound[a/] marine recreational salmon catches. (Page 1 of 1)

Year	Chinook	Coho	Pink
	THOUSANDS OF FISH		
1971-1975	225.6	119.3	14.8[b/]
1976-1980	252.4	200.2	47.0[b/]
1981-1985	160.2	197.6	24.8[b/]
1976	307.2	223.9	0.2
1977	196.1	177.3	24.4
1978	228.7	223.6	0.1
1979	285.7	258.2	69.6
1980	244.5	118.2	0.2
1981	164.4	177.4	25.5
1982	120.2	209.7	0.0
1983	194.5	274.1	16.5
1984	174.6	140.7	0.1
1985	147.3	186.2	28.0
1986	170.0	261.0	0.0
1987[c/]	102.9	247.5	30.9
1988[c/]	108.3	195.0	d/
1989	NA	NA	NA
1990	NA	NA	NA

a/ WDF Statistical Areas 5 through 13, which include the Strait of Juan de Fuca, San Juan Islands and inner Puget Sound.
b/ Odd years only.
c/ Punch card estimates adjusted for results of 1987-1990 WDF/tribal sports emphasis study.
d/ Less than 50 fish.

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TABLE B-39. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound chinook stocks.[a/] (Page 1 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				SUMMER/FALL CHINOOK (thousands)					
Strait of Juan de Fuca									
1978	0.0	0.2	0.2	0.4	1.5	1.9	0.4	1.7	2.1
1979	0.1	0.2	0.2	0.5	1.5	2.0	0.5	1.7	2.2
1980	0.0	0.2	0.2	0.5	1.7	2.2	0.6	1.8	2.4
1981	0.0	0.1	0.2	0.4	0.9	1.3	0.5	1.0	1.5
1982	0.1	0.3	0.4	0.9	2.2	3.1	1.0	2.5	3.5
1983	0.1	0.1	0.2	0.7	1.6	2.3	0.8	1.7	2.5
1984	0.1	0.0	0.1	1.4	1.1	2.5	1.4	1.1	2.6
1985	0.0	0.1	0.1	0.6	1.5	2.1	0.6	1.5	2.2
1986	0.1	0.2	0.2	1.3	2.7	4.0	1.4	2.8	4.2
1987	0.1	0.5	0.6	1.3	5.2	6.5	1.4	5.7	7.1
1988	0.3	0.9	1.2	2.1	6.6	8.7	2.4	7.5	9.9
1989	0.1	0.3	0.3	1.1	5.2	6.3	1.2	5.5	6.7
1990[d/]	0.1	0.6	0.7	0.6	3.1	3.7	0.7	3.7	4.4
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						5.3			
Nooksack-Samish									
1978	50.3	39.9	90.3	4.9	2.7	7.6	55.2	42.6	97.8
1979	30.5	43.7	74.2	4.9	3.4	8.3	35.5	47.1	82.5
1980	56.4	42.7	99.1	8.7	5.1	13.8	65.1	47.8	112.9
1981	48.1	28.2	76.3	10.2	3.6	13.8	58.4	31.7	90.1
1982	54.6	36.1	90.7	15.0	5.6	20.6	69.6	41.7	111.3
1983	33.0	22.3	55.3	19.7	7.4	27.1	52.8	29.7	82.4
1984	69.7	33.7	103.4	18.8	9.6	28.4	88.5	43.2	131.7
1985	64.4	47.5	111.9	16.7	6.5	23.2	81.1	54.0	135.1
1986	50.3	42.9	93.2	10.7	5.3	16.0	60.9	48.3	109.2
1987	31.4	23.2	54.6	5.8	2.7	8.6	37.2	26.0	63.2
1988	19.4	19.6	39.0	5.2	2.7	8.0	24.7	22.4	47.0
1989	43.7	9.1	52.7	18.0	1.9	20.0	61.7	11.0	72.7
1990[d/]	45.8	36.5	82.2	13.9	7.9	21.8	59.6	44.4	104.0
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				8.7					

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TABLE B-39. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound chinook stocks.[a/] (Page 2 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				SUMMER/FALL CHINOOK (thousands)					
Skagit									
1978	0.2	10.2	10.4	0.3	13.2	13.5	0.4	23.4	23.9
1979	0.2	10.5	10.7	0.2	13.6	13.8	0.4	24.1	24.5
1980	0.5	10.6	11.2	1.0	20.3	21.4	1.5	31.0	32.5
1981	0.7	13.1	13.7	0.4	8.7	9.1	1.1	21.7	22.8
1982	1.1	13.7	14.8	0.8	10.4	11.3	2.0	24.1	26.1
1983	0.6	6.7	7.3	0.8	9.1	9.9	1.4	15.8	17.2
1984	0.3	2.8	3.1	1.6	13.2	14.8	1.9	16.0	17.9
1985	0.1	9.7	9.9	0.2	16.3	16.5	0.4	26.0	26.4
1986	0.2	4.5	4.7	0.8	18.1	18.9	1.0	22.6	23.6
1987	0.1	4.0	4.1	0.3	9.6	10.0	0.4	13.6	14.0
1988	0.4	3.4	3.8	1.3	12.0	13.2	1.7	15.3	17.0
1989	0.4	6.3	6.6	0.4	6.8	7.2	0.8	13.0	13.8
1990[d/]	0.2	2.2	2.3	1.3	17.2	18.5	1.5	19.4	20.8
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					14.9				
Hood Canal									
1978	8.5	1.7	10.2	2.7	0.3	3.0	11.2	2.0	13.2
1979	2.1	3.0	5.1	1.3	2.2	3.5	3.4	5.2	8.6
1980	4.6	1.6	6.2	1.8	0.8	2.7	6.4	2.4	8.8
1981	8.4	2.3	10.6	3.0	0.3	3.2	11.3	2.6	13.9
1982	3.5	2.5	6.0	5.0	0.4	5.4	8.5	2.9	11.4
1983	1.8	2.7	4.6	2.0	1.8	3.8	3.8	4.5	8.3
1984	5.7	4.3	10.0	4.8	2.5	7.3	10.5	6.8	17.2
1985	5.1	6.4	11.6	4.2	5.2	9.5	9.4	11.7	21.0
1986	8.8	6.5	15.4	4.7	2.8	7.5	13.6	9.3	22.9
1987	12.1	6.3	18.4	6.6	2.3	8.8	18.7	8.6	27.3
1988	11.8	4.8	16.6	10.3	2.9	13.2	22.1	7.7	29.8
1989	12.9	5.1	18.0	6.1	1.4	7.5	19.0	6.5	25.5
1990[d/]	6.9	1.9	8.7	3.4	0.7	4.1	10.3	2.6	12.9
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				3.4					

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TABLE B-39. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound chinook stocks.[a/] (Page 3 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				SUMMER/FALL CHINOOK (thousands)					
Stillaguamish-Snohomish									
1978	2.2	6.5	8.7	2.9	9.2	12.0	5.0	15.7	20.7
1979	2.9	9.2	12.0	1.6	6.9	8.6	4.5	16.1	20.6
1980	7.6	13.1	20.7	3.5	7.3	10.8	11.1	20.4	31.5
1981	8.5	8.8	17.3	3.7	4.0	7.7	12.2	12.8	25.0
1982	2.9	7.2	10.2	2.3	5.2	7.5	5.3	12.4	17.6
1983	2.6	7.1	9.6	1.2	4.9	6.1	3.7	12.0	15.7
1984	3.3	5.6	8.9	1.4	4.1	5.5	4.7	9.7	14.4
1985	2.1	5.8	7.9	1.4	6.3	7.7	3.5	12.1	15.6
1986	5.5	5.4	10.9	0.9	5.8	6.7	6.4	11.2	17.6
1987	1.3	2.9	4.3	1.2	6.0	7.2	2.5	8.9	11.5
1988	2.6	3.7	6.3	1.1	5.2	6.4	3.7	9.0	12.7
1989	4.4	4.0	8.4	1.5	3.9	5.4	5.9	7.9	13.8
1990[d/]	3.1	5.1	8.2	1.0	5.1	6.0	4.1	10.1	14.2
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					7.3				
South Puget Sound									
1978	18.5	5.3	23.8	14.7	9.9	24.6	33.3	15.1	48.4
1979	14.5	8.2	22.7	29.7	18.6	48.3	44.2	26.8	71.0
1980	20.5	8.6	29.2	27.2	20.4	47.6	47.7	29.0	76.8
1981	23.9	4.6	28.5	26.1	8.6	34.7	50.0	13.2	63.2
1982	14.1	7.2	21.3	19.1	8.8	27.8	33.2	16.0	49.2
1983	24.2	18.7	42.9	21.8	11.3	33.1	45.9	30.1	76.0
1984	28.8	13.7	42.5	27.8	11.9	39.7	56.5	25.7	82.2
1985	24.7	11.9	36.6	22.0	10.3	32.3	46.6	22.3	68.9
1986	15.1	9.7	24.8	23.8	13.2	37.0	38.8	22.9	61.8
1987	18.9	22.3	41.2	29.7	23.3	53.0	48.7	45.6	94.2
1988	23.4	27.6	51.0	26.9	18.6	45.6	50.3	46.2	96.5
1989	25.0	24.6	49.5	47.4	24.9	72.3	72.4	49.5	121.9
1990[d/]	29.5	31.7	61.1	37.9	31.3	69.2	67.4	63.0	130.3
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						34.9			

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Puget Sound run size is defined as the run available to Puget Sound net fisheries. Does not include fish caught by troll and recreational fisheries.

c/ Includes estimated off-station returns.

d/ Preliminary.

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TABLE B–40. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/] (Page 1 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				COHO (thousands)					
Strait of Juan de Fuca									
1978	7.3	5.0	12.2	5.3	8.7	14.0	12.6	13.7	26.2
1979	12.2	2.7	14.9	13.5	6.5	20.0	25.7	9.2	34.9
1980	15.2	4.0	19.2	15.2	8.0	23.2	30.4	12.0	42.4
1981	11.7	1.5	13.3	16.0	3.2	19.2	27.7	4.7	32.5
1982	37.7	11.0	48.7	11.5	10.1	21.6	49.2	21.1	70.3
1983	20.7	2.7	23.4	6.7	4.4	11.1	27.4	7.1	34.5
1984	6.1	0.8	6.9	3.6	5.3	8.9	9.7	6.1	15.8
1985	10.9	1.1	12.0	7.1	2.6	9.7	18.0	3.7	21.7
1986	5.9	3.4	9.3	4.4	10.3	14.7	10.3	13.7	24.0
1987	10.2	4.8	15.1	2.7	5.8	8.5	13.0	10.6	23.6
1988	3.9	1.3	5.1	2.4	4.2	6.6	6.2	5.5	11.7
1989	7.0	2.1	9.1	2.5	6.6	9.1	9.5	8.7	18.2
1990[d/]	4.3	1.5	5.9	2.7	3.1	5.8	7.1	4.6	11.7
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						14.8			
Nooksack–Samish									
1978	80.8	10.2	91.1	16.0	2.0	18.0	96.8	12.2	109.1
1979	122.9	35.8	158.7	23.5	7.7	31.2	146.4	43.5	189.9
1980	43.1	62.5	105.6	7.2	11.4	18.6	50.3	73.9	124.2
1981	91.4	14.1	105.5	34.3	7.5	41.8	125.7	21.6	147.3
1982	160.4	15.3	175.7	22.0	4.4	26.4	182.4	19.7	202.1
1983	133.7	26.2	159.8	15.2	8.9	24.1	148.9	35.1	183.9
1984	118.9	18.9	137.8	18.6	9.5	28.1	137.5	28.4	165.9
1985	150.4	20.0	170.5	32.0	5.7	37.7	182.4	25.7	208.2
1986	172.3	17.6	189.9	22.0	6.7	28.7	194.4	24.3	218.7
1987	187.0	49.4	236.5	33.3	12.6	45.9	220.4	62.0	282.4
1988	158.0	15.4	173.4	21.2	6.9	28.1	179.2	22.3	201.5
1989	106.0	12.6	118.6	15.8	3.6	19.4	121.8	16.2	138.0
1990[d/]	109.5	20.1	129.6	13.1	7.3	20.4	122.6	27.4	150.0
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				17.9					

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TABLE B-40. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/] (Page 2 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				COHO (thousands)					
Skagit									
1978	23.8	13.2	37.1	16.2	9.0	25.2	40.0	22.2	62.3
1979	9.8	22.1	31.9	14.7	33.0	47.7	24.5	55.1	79.6
1980	20.9	23.3	44.2	22.4	25.0	47.4	43.3	48.3	91.6
1981	18.1	6.4	24.5	42.1	15.0	57.1	60.2	21.4	81.6
1982	12.0	23.0	35.0	4.7	9.0	13.7	16.7	32.0	48.7
1983	4.9	11.1	15.9	10.6	24.0	34.6	15.5	35.1	50.5
1984	5.6	4.2	9.9	44.1	33.0	77.1	49.7	37.2	87.0
1985	5.3	13.3	18.6	7.2	18.0	25.2	12.5	31.3	43.8
1986	9.8	28.4	38.2	15.4	45.0	60.4	25.2	73.4	98.6
1987	7.5	8.2	15.7	30.0	33.0	63.0	37.5	41.2	78.7
1988	5.9	10.9	16.8	10.3	19.0	29.3	16.2	29.9	46.1
1989	4.2	10.6	14.8	6.8	17.0	23.8	11.0	27.6	38.6
1990[d/]	4.6	10.3	14.9	6.7	15.0	21.7	11.4	25.3	36.6
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					30.0				
Hood Canal									
1978	44.7	15.9	60.6	26.6	16.4	43.0	71.3	32.3	103.6
1979	16.1	24.5	40.5	16.7	29.9	46.6	32.8	54.4	87.1
1980	93.0	35.2	128.2	75.5	36.6	112.1	168.5	71.8	240.3
1981	29.9	13.2	43.1	36.6	23.8	60.4	66.5	37.0	103.5
1982	59.2	41.2	100.4	13.8	28.3	42.1	73.0	69.5	142.5
1983	38.2	23.2	61.4	11.3	13.9	25.2	49.5	37.1	86.6
1984	41.5	20.5	62.0	25.4	37.0	62.4	66.9	57.5	124.4
1985	33.7	23.6	57.3	8.0	14.9	22.9	41.7	38.5	80.2
1986	72.8	42.3	115.1	24.8	39.9	64.7	97.5	82.2	179.7
1987	79.1	53.7	132.8	10.1	18.0	28.1	89.3	71.7	160.9
1988	9.2	3.9	13.1	9.5	11.6	21.1	18.7	15.5	34.2
1989	29.1	10.2	39.4	18.6	15.3	33.9	47.8	25.5	73.3
1990[d/]	33.8	7.3	41.1	10.5	6.8	17.3	44.4	14.1	58.5
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					19.1				

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TABLE B–40. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/] (Page 3 of 3)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				COHO (thousands)					
Stillaguamish–Snohomish									
1978	20.9	80.1	101.0	7.8	77.0	84.8	28.7	157.1	185.8
1979	12.2	48.3	60.5	20.7	158.0	178.7	32.9	206.3	239.2
1980	30.3	146.9	177.2	16.2	118.0	134.2	46.5	264.9	311.4
1981	38.6	64.8	103.5	11.9	46.0	57.9	50.5	110.8	161.4
1982	19.9	41.8	61.7	3.7	65.0	68.7	23.6	106.8	130.4
1983	9.2	54.6	63.8	9.0	160.0	169.0	18.2	214.6	232.8
1984	9.7	35.6	45.3	25.9	89.0	114.9	35.6	124.6	160.2
1985	34.8	85.7	120.5	14.2	80.0	94.2	49.0	165.7	214.7
1986	36.3	113.6	149.9	26.2	140.0	166.2	62.5	253.6	316.0
1987	93.4	126.5	219.9	34.0	105.0	139.0	127.4	231.5	358.8
1988	51.0	74.3	125.3	25.0	96.0	121.0	76.1	170.3	246.3
1989	55.5	67.5	123.0	25.5	99.0	124.5	81.0	166.5	247.4
1990[d/]	72.9	91.8	164.7	20.0	112.0	132.0	92.9	203.8	296.7
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL – Stillaguamish					17.0				
GOAL – Snohomish					70.0				
South Puget Sound									
1978	252.0	57.2	309.1	61.0	19.6	80.6	313.0	76.8	389.7
1979	228.5	95.7	324.2	48.4	39.2	87.6	276.9	134.9	411.8
1980	361.8	133.4	495.2	92.8	38.9	131.7	454.6	172.3	626.9
1981	245.1	65.0	310.1	73.3	34.0	107.3	318.4	99.0	417.4
1982	419.2	160.5	579.8	87.4	51.2	138.6	506.6	211.7	718.4
1983	401.3	132.3	533.6	93.5	31.1	124.6	494.8	163.4	658.2
1984	367.3	138.9	506.2	80.0	37.4	117.4	447.3	176.3	623.6
1985	341.0	277.7	618.7	48.6	39.6	88.2	389.6	317.3	706.9
1986	547.8	180.2	728.0	72.0	26.9	98.9	619.8	207.1	826.9
1987	706.0	359.4	1065.4	85.2	42.6	127.8	791.2	402.0	1193.2
1988	553.4	267.0	820.3	80.6	37.4	118.0	634.0	304.3	938.3
1989	415.8	116.3	532.2	57.3	16.6	73.9	473.1	132.9	606.0
1990[d/]	407.4	208.6	616.0	50.8	29.1	79.9	458.2	237.7	695.9
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				52.0					

a/ Includes treaty Indian and non–Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Puget Sound run size is defined as the run available to Puget Sound net fisheries. Does not include fish caught by troll and recreational fisheries.

c/ Includes estimated off–station returns.

d/ Preliminary.

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TABLE B–41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/] (Page 1 of 2)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				PINK (thousands)					
Strait of Juan de Fuca									
1979	0.0	37.4	37.4	0.0	57.1	57.1	0.0	94.5	94.5
1981	0.0	1.7	1.7	0.0	3.1	3.1	0.0	4.8	4.8
1983	0.0	1.1	1.1	0.0	5.1	5.1	0.0	6.2	6.2
1985	0.0	3.5	3.5	0.0	4.8	4.8	0.0	8.3	8.3
1987	0.1	2.4	2.5	0.0	2.0	2.0	0.1	4.3	4.4
1989	0.0	12.3	12.3	0.0	10.9	10.9	0.0	23.3	23.3
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				Not Agreed Upon					
Nooksack–Samish									
1979	0.0	67.9	67.9	0.0	31.4	31.4	0.0	99.3	99.3
1981	0.0	35.3	35.3	0.0	15.0	15.0	0.0	50.3	50.3
1983	0.0	25.8	25.8	0.0	60.0	60.0	0.0	85.8	85.8
1985	0.0	27.1	27.1	0.0	23.0	23.0	0.0	50.1	50.1
1987	0.0	49.9	49.9	0.0	36.6	36.6	0.0	86.5	86.5
1989	1.6	179.9	181.4	1.2	137.6	138.8	2.8	317.5	320.2
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				50.0					
Skagit									
1979	0.4	315.4	315.8	0.4	300.0	300.4	0.8	615.4	616.2
1981	0.4	133.4	133.7	0.3	100.0	100.3	0.6	233.4	234.0
1983	0.0	8.0	8.0	0.1	470.0	470.1	0.1	478.0	478.2
1985	0.0	224.2	224.2	0.0	710.0	710.0	0.0	934.2	934.2
1987	0.9	351.3	352.2	1.5	592.0	593.5	2.4	943.3	945.7
1989	0.0	575.0	575.0	0.0	401.3	401.3	0.0	976.3	976.3
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				330.0					
Hood Canal									
1979	2.1	3.0	5.1	1.2	1.7	2.9	3.3	37.3	40.6
1981	8.4	2.3	10.6	0.2	0.6	0.9	1.6	6.6	8.1
1983	1.8	2.7	4.6	0.0	0.2	0.3	0.5	25.2	25.7
1985	5.1	6.4	11.6	0.1	2.4	2.6	1.5	64.1	65.6
1987	12.1	6.3	18.4	1.2	2.2	3.4	8.1	62.2	70.3
1989	12.9	5.1	18.0	7.0	19.8	26.8	2.5	61.0	63.5
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				Not Agreed Upon					

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TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/] (Page 2 of 2)

Year	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[b/]		
	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total	Hatchery[c/]	Wild	Total
				PINK (thousands)					
Stillaguamish-Snohomish									
1979	0.2	69.5	69.6	0.7	315.0	315.7	0.9	384.5	385.3
1981	0.0	38.7	38.7	0.1	108.0	108.1	0.1	146.7	146.8
1983	0.0	48.9	48.9	0.3	324.1	324.4	0.3	373.0	373.3
1985	0.1	170.8	171.0	0.2	502.0	502.2	0.3	672.8	673.2
1987	0.7	84.9	85.6	0.4	271.0	271.4	1.1	355.9	357.0
1989	0.0	313.9	313.9	0.0	150.5	150.5	0.0	464.4	464.5
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL - Stillaguamish					155.0				
GOAL - Snohomish					120.0				
South Puget Sound									
1979	2.0	39.5	41.5	1.4	30.8	32.1	3.4	70.3	73.6
1981	2.6	18.6	21.1	0.8	12.1	12.9	3.4	30.7	34.0
1983	0.6	15.3	15.9	0.1	12.2	12.3	0.8	27.5	28.3
1985	0.2	34.0	34.2	0.0	34.7	34.7	0.2	68.7	68.9
1987	0.0	64.1	64.1	0.0	42.2	42.2	0.0	106.3	106.3
1989	0.9	130.1	131.0	0.3	62.0	62.2	1.1	192.1	193.2
1991[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					25.0				

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Puget Sound run size is defined as the run available to Puget Sound net fisheries. Does not include fish caught by troll and recreational fisheries.

c/ Includes estimated off-station returns.

d/ Preliminary.

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