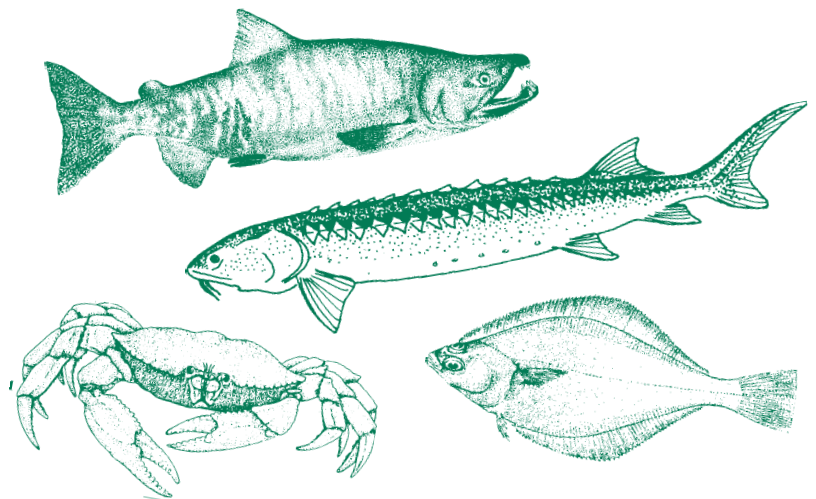


Washington State Sport Catch Report 1996



by Kyong Yi and Terrie Manning



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Science Division

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Introduction

The Washington State Sport Catch report was first published in 1967 by the former Department of Fisheries. The report originally provided salmon catch estimates which were based on data from catch record cards (punch cards). By 1991, catch record card data were collected for salmon, sturgeon and halibut and supplemented with field or creel survey data where and when possible to improve catch estimate accuracy. Over time the report expanded to include shellfish and marine fish estimates. Food fish (salmon, sturgeon, halibut, marine fish and shellfish) estimates are made on a calendar year basis from January 1 through December 31.

Since 1950, the former Department of Game (renamed Department of Wildlife in 1985) has published steelhead harvest reports based on catch record card data and creel surveys. Game fish (steelhead) estimates are summarized from May 1 of one year through April 30 of the next year. This is to better capture the results of steelhead “run years,” which typically span two calendar years.

On March 1, 1994, the former Departments of Fisheries (WDF) and Wildlife (WDW) merged to form the Department of Fish and Wildlife (WDFW). This marks the third combined report covering both “food fish” and “game fish.” Delayed due to budget and staffing constraints, the 1996 edition is being published in November of 1999.

Sport Licenses and Catch Record Cards

In 1996, the following licenses and catch record cards were required to fish in Washington:

- A **personal use food fish license** was required for resident anglers over age 14, and for all non-resident anglers, to fish for anadromous fish (except steelhead) and marine fish. This license was available in resident annual, resident senior (free, ages 70 and over), non-resident annual, three-consecutive-day, and one-day formats. In addition, a free **catch record card** was required of all anglers of all ages to fish for salmon, for halibut in Puget Sound and the Strait of Juan de Fuca, and for sturgeon in the Columbia River, Grays Harbor, Willapa Bay and all tributaries of these three systems.
- A **game fish license** was required for resident anglers over age 14, and for all non-resident anglers, to fish for game fish (warm water species such as bass, panfish, whitefish and trout). This license was available in annual, one-day and three-consecutive-day formats. Reduced-fee licenses were available for non-resident juveniles and resident seniors (ages 70 and older). A steelhead license was required in addition to the gamefish license for all those anglers over 14 who wished to fish for steelhead. A free **catch record card** was also required of anglers of all ages to fish for steelhead.

- A **personal use shellfish/seaweed license** was required for resident and non-resident harvesters over age 14. A non-resident reduced-fee three-consecutive day license and a reduced-fee annual license for resident seniors (ages 70 and over) was available. Unlike salmon, sturgeon and steelhead, catch record cards were not issued with shellfish licenses since field sampling and creel surveys were used to estimate total sport shellfish catch.

Table *I* shows license sales for 1995 and 1996, based on a direct count of sales. Tables *2*, *3* and *4* show the estimated number of salmon, sturgeon and steelhead catch record cards issued. Note that the number of catch record cards issued shown in these tables are estimated from the catch record card databases, therefore cannot be directly compared to the license sales number. These numbers cannot be compared since anglers under 14 and over 70 are required to obtain a catch record card but not a license. Also, not all dealers return their catch record card stubs, nor do all anglers return their catch record cards, therefore, correction factors are applied.

Methods

Sport harvest estimates are made in Washington State using various methods. These include catch record cards for: salmon and steelhead statewide, sturgeon in the Columbia River, Grays Harbor and Willapa Bay and halibut in Puget Sound and the Strait of Juan de Fuca. Estimates from catch record cards are available six months to one year after the end of the season. Creel and mail surveys are carried out for salmon, sturgeon, steelhead, halibut, and shellfish in areas where management requires more timely estimates. Creel surveys consist of checking anglers who are exiting the fishery and asking specific questions about catch and effort. The creel survey estimates for some species and areas are substituted for catch record card estimates (this is noted in the tables).

The methods used produce estimates of sport harvest which have some level of uncertainty. This uncertainty, or variance, is estimated and expressed with confidence levels which are not provided in this report. These variance estimates are available upon request.

Special Area Fisheries (SAF's)

Special area fisheries (SAF's) for salmon occur within a larger designated management unit to provide increased fishing opportunity. These areas often have separate seasons, bag limits and may or may not require caught fish to be released. Since SAF's are located in a small area within the designated management catch area, the catch estimates do not represent the larger area. Four SAF's for salmon occurred in 1996. The SAF's locations were: South of Restoration from July 5 - October 15, Elliot Bay during the weekends of August 3 - 5 and 10 - 12, Tulalip Bay from August 1 - September 31, and Lake Washington from July 11 - August 13.

Ocean Quota vs True Catch Data

Sport catch data from coastal areas 1 - 4 were reported using “port sampling” (creel survey) catch estimates. Such estimates were derived by monitoring daily landings at four coastal ports: Ilwaco, Westport, La Push, and Neah Bay. Catch is reported in the area where the fish was caught and not the area where it was landed.

Statistical Months and Statistical Weeks

Some catch data (i.e. salmon and bottomfish) are reported using statistical months or statistical weeks. Statistical weeks (defined as Monday-Sunday) are consecutively numbered weeks beginning on January 1st and continuing through week 53 or 54 December 31st. The first and last weeks of any year usually contain less than 7 days. Statistical months are made up of a set number of statistical weeks which approximate calendar months but do not coincide with calendar month start and end dates. For example, in 1996, the statistical month of January begins on January 1st and ends February 4th and the statistical month of February starts on February 5th and ends March 3rd. Since some data is reported using statistical months, as opposed to calendar months, some catch may be reported during what appears to be a closed period.

Salmon

Annual sport salmon catch estimates for 1964 through 1996 are shown in Table 5. In 1996 a total of **230,830** salmon were caught in marine areas, plus an additional **161,424** salmon in freshwater. The marine totals by species for 1996, as shown in Table 6, were: **75,419** chinook; **141,777** coho; **12,570** chum; **54** pink; **63** sockeye; and **947** jacks (all species combined). Freshwater species breakdowns show: **31,901** chinook; **31,835** coho; **14,088** chum; **3** pink; **70,424** sockeye; **11,296** jacks (all species combined); and **1,877** unknown species.

Catch record cards are used to estimate sport salmon catch in marine and freshwater areas with some exceptions. In marine areas, creel survey estimates were substituted for the catch record card estimates in ocean areas 1-4 (excluding area 2.1 Willapa Bay and area 2.2 Grays Harbor) and in area 10 from July 5 to October 15. Creel surveys were done in the SAF's and the coho retention fishery in area 5 and results are provided in Table 24. In freshwater areas, creel survey estimates were substituted for the catch record card estimates in the Lower Columbia River February - October. All other estimates are from catch record cards.

Sturgeon

There are two species of sturgeon present in Washington state: the green sturgeon *Acipenser medirostris* and the white sturgeon *Acipenser transmontanus*. Both species are anadromous and spawn in large river systems. Green sturgeon spend most of their lives in the marine

environment and are not readily caught in Washington sport fisheries. They are not believed to spawn in any of the Washington river systems although they are seasonally abundant in Washington coastal bays and estuaries. White sturgeon migrate great distances in the ocean as well but, unlike green sturgeon, are able to complete their life cycle in freshwater. White sturgeon are readily caught in sport fisheries and are popular as a game fighting fish and are considered by many as gourmet fare. They are the largest freshwater fish in North America with historical accounts of individuals approaching 20 feet in length and 1 ton in weight. Sturgeon subsist on a variety of foods including Columbia River smelt, anchovies, lamprey eels, clams, shad, and salmon carcasses. They are known for their longevity with individuals sometimes living over 100 years. White sturgeon are also known for their delayed maturation with males reaching sexual maturity at about 15 years of age (4½- 5 feet in length) and females at about 23 years of age (~6 feet in length). White sturgeon spawn throughout the Columbia River basin, although populations farther upstream are generally not as healthy as those living closer to the ocean. They spawn in the spring and early summer months in the mainstem Columbia River in areas where water velocities are highest. This reliance on high velocity, free-flowing river reaches for spawning is largely responsible for the decreased population abundance and productivity farther upstream in the Columbia River basin where hydroelectric development has most affected sturgeon populations.

The distribution of sturgeon harvest and the amount of restriction on sturgeon harvest within the Columbia River basin generally reflects the relative health and productivity of these sturgeon populations. Sturgeon harvest management relies on extensive research to provide an understanding of the population dynamics and the factors limiting productivity of specific sturgeon populations within the Columbia River. Abundance estimates and population simulation models are used to set long term sustainable harvest limits for the most heavily exploited populations. Management goals are based on allowing enough fish to survive harvest to replenish the older-aged spawning population. The most frequently used sport harvest management strategies are population-specific harvest quotas, slot limits, daily bag limits, and annual possession limits for those sturgeon populations that can sustain a harvest. Harvest management responsibilities in the Columbia River are jointly shared by the state of Oregon and the four Columbia River treaty tribes (Yakama, Umatilla, Warm Springs, and Nez Perce) in those river reaches where there is joint jurisdiction. Specifically, Washington and Oregon share management responsibility from the mouth of the Columbia River upstream to a point approximately 14 miles upstream of McNary Dam and, by policy directive, adopt concurrent regulations for fisheries in those areas. Washington, Oregon, and the four Columbia River treaty tribes coordinate sturgeon management in the three reservoirs between Bonneville and McNary dams through the Sturgeon Management Task Force, which is comprised of technical and policy representatives from each agency and tribe.

The white sturgeon population in the lower Columbia River downstream from Bonneville Dam is the healthiest in the species' range. Consequently, most of the sturgeon catch and effort in Washington waters occurs in this river reach. In 1996 Washington and Oregon managed for a catch expectation of about 42,000 white sturgeon in the lower Columbia sport fishery. Sport

regulations for this fishery included a 42-66 inch legal size slot, a daily bag limit allowing anglers to keep one sturgeon less than 48 inches plus one sturgeon 48 inches or greater, and an annual bag limit of 10 sturgeon per angler. The daily bag limit was changed to one sturgeon per angler by emergency regulations in Washington and Oregon as of April 1 to extend harvest opportunity through the year and avoid the early closure to the fishery that occurred in 1995. This strategy worked well with the combined catch for Washington and Oregon anglers in the 1996 lower Columbia sport fishery totaling 42,800 white sturgeon without the need for an early closure.

The three lowermost reservoirs in the Columbia River between Bonneville and McNary dams are intensively managed under the auspices of the Sturgeon Management Task Force (SMTF). Sport regulations in Bonneville Reservoir were the same as those in the lower Columbia River downstream from Bonneville Dam. Regulations were more prohibitive in areas upstream from The Dalles Dam where the legal size slot was 48-66 inches and the daily bag limit was one fish per day within the legal size slot. In 1996 the SMTF set annual sport harvest guidelines for white sturgeon of 1,350 in Bonneville Reservoir, 100 in The Dalles Reservoir, and 100 in John Day Reservoir. Washington and Oregon attempted to manage for a stable fishery season that kept harvest within these guidelines with a sturgeon retention season of January 1- June 30. However, this season was ineffective and the states had to prohibit sturgeon retention from April 1- December 31 in Bonneville Reservoir and from May 1- December 31 in The Dalles and John Day reservoirs to stay within the prescribed guidelines. The resulting harvest by reservoir for Washington and Oregon anglers in 1996 was 1,360, 90, and 80 white sturgeon in Bonneville, The Dalles, and John Day reservoirs, respectively.

The reservoir sport fisheries upstream from McNary Dam operated under the same regulations as The Dalles and John Day reservoirs (48-66 inches, 1 fish daily bag limit), with the exception of Lower Granite Reservoir on the Snake River and Lake Roosevelt on the Columbia River (closed to sturgeon retention year round). Additionally, Washington adopted a new permanent regulation prohibiting retention of white sturgeon in the Columbia River and its tributaries upstream from Priest Rapids Dam to the U.S./Canada border that was implemented on May 1, 1996.

Outside the Columbia River basin, there are relatively productive sturgeon fisheries in most of Washington's coastal bays and estuaries. Most notable are the sturgeon fisheries in Willapa Bay and Grays Harbor (including the Chehalis River system). The white sturgeon caught in Washington's coastal areas are thought to originate in the lower Columbia based on tag recoveries from those fisheries. Sport regulations for these fisheries match those in the lower Columbia.

Total sport sturgeon harvest for 1996, based on creel surveys and catch record card returns, was **27,258** fish. Of this total, **23,564** white sturgeon and **38** green sturgeon came from the Columbia River system (Table 29). Another **318** white sturgeon were harvested in the Snake River up to Lower Granite Dam, above which all sturgeon were required to be released.

Other areas for which sturgeon harvest is reported are: Willapa Bay — **1,409** white, **24** green and **34** unknown sturgeon; Grays Harbor — **1,817** white, **70** green and **22** unknown sturgeon; Puget Sound — **28** white and **4** green sturgeon; unknown area — **177** white and **16** green sturgeon. For monthly catch information, see Table 29.

Steelhead

Steelhead harvest estimates are based on statewide catch record card returns and creel surveys for selected areas. Steelhead harvest is reported by “run year,” unlike other sport statewide harvest presented in an annual format. For example, steelhead that make up the 1997 winter/spring spawning season enter Washington rivers as early as March or April of **1996**, but will not spawn until early 1997. Wild steelhead spawning continues into late May or even June. Some of the **1996/97** fish will actually start their spawning run before the **1995/96** fish have finished spawning. For record-keeping purposes, May 1 is used as the starting point for each year's run. Steelhead caught during May through October are treated statistically as “summer-run” fish. Steelhead caught November through April are recorded as “winter-run” fish unless they are caught above the Bonneville Dam in the Columbia River; where they are recorded as “summer-run” fish.

In Table 33, sport harvest of steelhead for **1996/97** is shown geographically by system and stream name. Monthly totals are given for hatchery (**marked** with adipose fin clip) and wild (**unmarked**) fish. This last designation is reliable only where 100% of the hatchery releases are marked. There occasionally are unmarked hatchery releases, usually from non-WDFW hatcheries. Please consult appropriate hatchery release records to confirm.

Marine Fish

Marine fish are those species commonly called “bottomfish” (though not all are necessarily caught on the bottom). This category includes all the rockfish (9 species are reported here); cabezon; lingcod and kelp greenling; Pacific halibut and other flatfish (sole, flounder, etc.); Pacific cod and other cod-like species (pollock, hake); sea perch (surf and pile); skates and rays; plus miscellaneous species.

Recreational ocean harvest of marine fish in catch areas 1-4, including halibut, is estimated from creel surveys. Table 37 shows the 1996 totals. These figures are compiled for the four defined marine fishing areas: Ilwaco (Columbia River mouth), Westport (Grays Harbor and Willapa Bay), La Push (Quillayute River mouth) and Neah Bay (just inside the Strait of Juan de Fuca).

The Puget Sound recreational harvest of marine fish, excluding halibut, is estimated using a statistical model that takes advantage of the previously documented relationship between sport salmon catch and effort, and marine fish catch and effort. These estimates, given in Table 38, depend on the salmon catch record card estimates and the field survey sampling for catch per unit of effort for salmon and marine fish.

Sport catch of Pacific halibut in Puget Sound was estimated from halibut catch record cards. These figures can be found in Table 37.

Shellfish

Recreational shellfish harvest is estimated based on creel and flight sampling by WDFW personnel. The sport crab pot fishery is surveyed only in odd years, and therefore included in this report only during odd years.

Table 40 shows razor clam sport harvest estimates for the following areas: Long Beach Peninsula, Twin Harbors/Grayland, Copalis, Mocrocks (Copalis north to Moclips), and Kalaloch (began in Fall 1995). The 1996 fall season shows **45,800** digger trips yielding **443,000** clams, for an average of more than **9.7** clams per trip. The 1997 spring season produced an estimated **445,000** clams for **32,000** harvester trips, or **13.9** clams per trip.

Puget Sound recreational clam and oyster harvest estimates are shown in Table 41. Harvest totals for Manila and native littleneck clams, butter clams, cockles, softshell clams, horse clams, geoducks and oysters are shown for 27 areas. Estimates show **223,928** sport harvester trips gathered **767,376** total clams, and **789,542** oysters in 1996.

The Hood Canal sport shrimp fishery produced an estimated **100,000** pounds of shrimp for **24,710** pots. This yields an average of **4.05** pounds per pot. These estimates are shown in Table 42.

The sport crab pot fishery in 19 Puget Sound areas is summarized in Table 43. A total **427,860** pot days produced an estimated harvest of **343,140** Dungeness crabs.

Sport Licenses

Table 1. Number and Value of Sport Personal Use Foodfish, Gamefish and Shellfish Licenses Sold in Washington, 1995 - 1996

Type of License	1995			1996		
	Price	Number	Value ¹	Price	Number	Value ¹
Resident Personal Use Foodfish (Ages 15-69)	\$8.00	236,725	\$1,894 ²	\$8.00	299,596	\$1,837 ²
Resident Senior Foodfish	\$3.00	16,204	\$49 ²	\$3.00	15,600	\$47 ²
Non-Resident Personal Use Foodfish (All Ages)	\$20.00	6,366	\$127 ²	\$20.00	6,756	\$135 ²
Three Consecutive Day Foodfish (Resident or Non-Resident)	\$5.00	81,895	\$409 ²	\$5.00	107,002	\$535 ²
Resident Gamefish (Ages 15-69; includes combination Hunt and Fish)	\$29.00 \$17.00	99,682 400,169	\$2,891 \$6,803	\$29.00 \$17.00	96,019 383,584	\$2,785 \$6,521
Resident Senior Gamefish	\$3.00	33,821	\$102	\$3.00	31,965	\$96
Resident, Three Consecutive Day Gamefish	\$9.00	12,850	\$116	\$9.00	12,645	\$114
Resident One-day Gamefish	\$3.00	20,113	\$60	\$3.00	25,069	\$75
Non-Resident Gamefish (Ages 15 and Older)	\$48.00	8,323	\$400	\$48.00	7,562	\$363
Non-Resident, Three Consecutive Day Gamefish	\$17.00	17,401	\$296	\$17.00	15,757	\$268
Non-Resident, One-day Gamefish	\$7.00	22,377	\$157	\$7.00	23,841	\$167
Resident and Non-resident Steelhead Permit (Adult Ages 15-69)	\$18.00	82,138	\$1,478	\$18.00	83,462	\$1,502
Resident and Non-Resident Steelhead Permit (Juvenile under 15)	\$6.00	6,544	\$39	\$6.00	5,931	\$36
Resident, Personal Use Shellfish (Ages 15-69)	\$5.00	208,074	\$1,040	\$5.00	209,815	\$1,050
Non-Resident, Personal Use Shellfish (All Ages)	\$20.00	4,905	\$98	\$20.00	4,556	\$91
Three Consecutive Day Shellfish (Resident or Non-Resident)	\$5.00	16,721	\$84	\$5.00	18,634	\$93
Resident Senior Shellfish (Ages 70 and Older)	\$3.00	15,801	\$47	\$3.00	15,619	\$47
Recreational Fisheries Puget Sound Enhancement Stamp	\$10.00	137,161	\$1,372	\$10.00	142,345	\$1,424
TOTAL	N/A	1,427,270	\$17,462	N/A	1,505,758	\$17,186

Note: Catch Record Cards (also known as "Punch Cards") are issued free to anglers. A Foodfish License is required for each new Salmon Catch Record Card obtained except for residents under 15 years of age.

¹ Value in thousands.

² The Regional Fisheries Enhancement Account receives \$1.00 from each foodfish license sale.

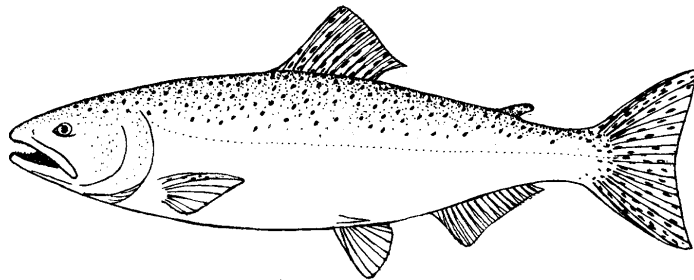
Year	Number of Catch Record Cards Issued
1965	387,875
1966	392,850
1967	472,225
1968	456,675
1969	471,525
1970	591,025
1971	541,600
1972	536,750
1973	568,825
1974	562,375
1975	576,075
1976	660,150
1977	641,050
1978	580,375
1979	487,875
1980	433,700
1981	463,561
1982	481,915
1983	481,025
1984	364,286
1985	403,523
1986	431,898
1987	475,459
1988	486,356
1989	509,534
1990	497,215
1991	489,394
1992	419,986
1993	447,986
1994	244,629
1995	416,707
1996	333,773

Year	Number of Cards Issued
1988	33,195
1989	35,576
1990	32,421
1991	32,396
1992	37,615
1993	43,067
1994	54,837
1995	62,572
1996	69,639

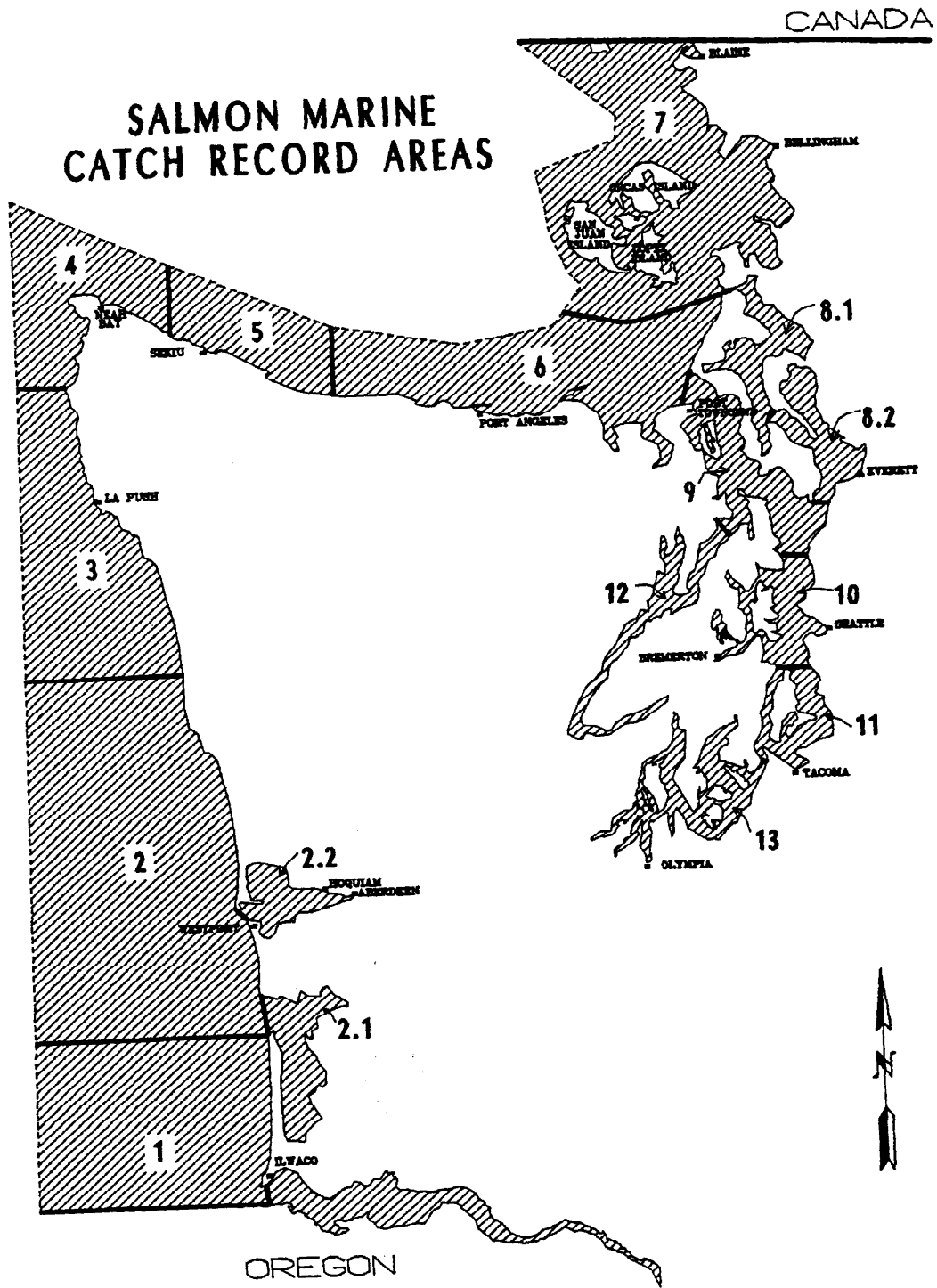
Table 4. Number of Sport Steelhead Catch Record Cards Issued 1948-1996

Year	Number of Catch Record Cards Issued
1948-49	40,000
1949-50	50,000
1950-51	50,000
1951-52	62,500
1952-53	77,500
1953-54	89,341
1954-55	90,392
1955-56	88,500
1956-57	85,350
1957-58	85,425
1958-59	84,461
1959-60	87,878
1960-61	93,350
1962	144,980
1963	151,692
1964	160,375
1965	171,400
1966	187,525
1967	202,666
1968	202,750
1969	200,050
1970	142,610
1971	145,647
1972	153,977
1973	165,671
1974	145,051
1975-76	missing
1976-77	missing
1977-78	missing
1978-79	130,000
1979-80	136,000
1980-81	139,500
1981-82	132,000
1982-83	100,000
1983-84	101,800
1984-85	133,400
1985-86	121,500
1986-87	100,500
1987-88	102,000
1988-89	108,182
1989-90	106,666
1990-91	98,362
1991-92	98,328
1992-93	98,933
1993-94	94,913
1994-95	87,093
1995-96	101,303
1996-97	92,858

Salmon



SALMON MARINE CATCH RECORD AREAS



Description of Salmon Catch Record Card Areas

- | | | |
|------|------------------------------------|--|
| 1. | ILWACO | West of Megler-Astoria Bridge, north to Leadbetter Point. |
| 2. | WESTPORT-OCEAN SHORES | From Leadbetter Point, north to the Queets River, excluding Willapa Bay and Grays Harbor. |
| 2.1 | WILLAPA BAY | East of line from Leadbetter Point to Buoy 8 and then to Cape Shoalwater Light. |
| 2.2 | GRAYS HARBOR | East of the true north-south line through Grays Harbor Channel Marker 13. |
| 3. | LA PUSH | From the Queets River, north to Cape Alava. |
| 4. | NEAH BAY | From Cape Alava, north and inside Juan de Fuca Strait to the Sekiu River. |
| 5. | SEKIU & PILLAR POINT | From the mouth of the Sekiu River, east to Low Point, mouth of the Lyre River. |
| 6. | EAST JUAN DE FUCA STRAIT | From Low Point, east to the Partridge Point-Point Wilson Line, North to the line from Trial Island (near Victoria, B.C.), Navigation Buoy BW "R" Smith Island , Point Colville, Langley Point, and West of the Initiative 77 Line fronting Deception Pass. |
| 7. | SAN JUAN ISLANDS | All marine waters north of the Trial Island Line described under Area 6 to the United States - Canadian boundary. |
| 8.1. | DECEPTION PASS, HOPE ISLAND | East of line from West Pt. on Whidbey Island to Reservation Head on Fidalgo Island through Deception Pass, south of railroad bridges at north end of Swinomish Channel, north of Hwy 535 Bridge between Camano Island and mainland, and west of line from East Pt. Light on Whidbey Island to light on Camano Island (Saratoga Pass Light #2 Fl Red 4 Sec.). |
| 8.2. | PORT SUSAN/PORT GARDNER | East of line from East Pt. Light on Whidbey Island to light on Camano Island (Saratoga Pass Light #2 Fl Red 4 Sec.) and north of line from south tip Possession Pt. 110 degrees true to shipwreck on opposite shore. |
| 9. | ADMIRALTY INLET | All waters inside and south of Partridge Point - Point Wilson Line, south and west of a line from Possession Point 110 degrees true to the shipwreck, north of the Hood Canal Bridge, and north of the Apple Cove Point - Edwards Point line. |
| 10. | SEATTLE-BREMERTON AREA | From the Apple Cove Point - Edwards Point line to the line through the north tip of Vashon Island east - west. |
| 11. | TACOMA-VASHON ISLAND | From the north tip of Vashon Island to the Tacoma Narrows Bridge. |
| 12. | HOOD | All waters south of the Hood Canal Bridge. |
| 13. | SOUTH PUGET SOUND. | All waters south of the Tacoma Narrows Bridge. |

FRESHWATER AREAS: **RIVERS, STREAMS OR LAKES** -Name of river, stream or lake, **except** for the **Columbia River**

BUOY 10	From Buoy 10 Line to Megler-Astoria Bridge
LOWER COLUMBIA	From Megler-Astoria Bridge to Bonneville Dam
MID-COLUMBIA	From Bonneville Dam to McNary Dam
UPPER COLUMBIA	Above McNary Dam

Table 5. Annual Sport Salmon Catch

Year	Total	Freshwater	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Area 9	Area 10	Area 11	Area 12	Area 13
1964	475,662	28,988	111,385	103,094	11,055	45,051	46,309	13,912	16,186	5,528	40,289	21,466	24,476	7,923	-----
1965	942,223	54,509	279,225	275,457	23,694	57,606	53,620	23,477	18,803	10,253	58,004	28,368	43,077	14,130	-----
1966	756,896	52,948	203,806	176,447	28,262	78,016	33,887	23,748	23,575	5,729	60,135	22,533	24,235	23,575	-----
1967	1,063,440	135,250	315,594	214,661	53,325	84,871	55,401	32,601	29,878	6,125	61,662	18,564	20,861	34,303	-----
1968	877,276	61,663	210,693	284,923	23,075	73,556	67,734	36,245	25,489	3,621	45,511	17,785	19,135	7,846	-----
1969	876,648	79,905	200,379	270,777	21,054	80,945	75,902	46,227	23,748	3,695	28,059	16,589	19,976	9,392	-----
1970	978,395	135,974	269,232	303,372	36,894	46,659	30,579	26,027	21,842	5,690	43,648	23,200	24,265	11,013	-----
1971	1,344,818	145,904	342,928	446,738	39,682	87,184	71,947	39,573	28,355	5,189	54,920	35,225	27,332	19,841	-----
1972	1,138,926	121,432	307,938	353,113	31,278	61,704	45,446	45,058	29,536	3,097	42,968	32,942	35,962	28,452	-----
1973	1,095,360	147,554	236,385	348,406	49,900	48,645	33,347	40,308	14,852	3,966	52,935	42,574	61,919	14,569	-----
1974	1,320,420	88,048	334,664	320,467	74,832	80,362	50,319	53,222	36,318	5,491	76,518	69,341	105,110	25,728	-----
1975	1,399,375	101,531	308,475	331,565	57,356	59,451	48,975	74,336	37,626	7,726	100,089	78,832	162,072	31,341	-----
1976	1,749,560	100,601	433,026	543,295	70,133	68,670	63,966	102,639	55,396	21,688	88,737	62,607	61,562	24,405	52,835
1977	1,191,414	96,843	248,518	321,888	38,359	86,186	73,106	61,568	31,709	17,792	64,651	39,372	44,657	22,020	44,745
1978	1,107,852	86,845	220,548	269,338	24,439	52,270	59,400	68,849	36,293	13,229	73,187	56,479	48,018	26,801	72,156
1979	1,123,809	88,659	167,478	174,365	24,160	53,840	134,354	70,839	48,101	33,835	104,619	71,167	71,495	20,006	60,891
1980	852,879	105,461	158,883	163,748	19,146	29,500	39,587	52,663	24,457	18,432	60,072	52,128	57,751	17,138	53,913
1981	760,115	58,139	142,879	151,301	1,734	36,883	55,900	56,318	21,826	16,986	67,838	42,602	42,175	14,989	50,545
1982	749,995	91,849	115,838	158,005	9,857	42,716	67,611	33,870	12,947	9,940	49,853	49,727	51,975	8,672	47,135
1983	860,623	108,783	98,599	100,791	7,318	58,469	62,486	74,311	29,844	23,268	98,485	54,228	72,772	11,756	59,513
1984	561,428	142,170	79,792	16,631	167	6,604	39,276	67,246	29,985	17,442	79,526	24,130	28,781	5,158	24,520
1985	686,333	107,734	93,927	93,620	2,062	26,878	101,920	45,342	23,798	25,427	75,193	33,019	38,157	4,897	14,359
1986	830,644	115,469	156,275	98,421	2,553	25,027	138,951	71,544	27,550	26,822	79,730	33,686	33,891	3,460	17,265
1987	744,284	110,636	123,441	71,458	3,005	29,418	107,138	82,377	27,152	31,421	86,270	42,179	32,753	8,947	26,639
1988	719,409	168,594	142,979	62,001	3,341	19,576	107,935	47,483	22,225	16,514	47,109	28,020	22,202	2,420	12,689
1989	834,426	121,417	157,701	100,000	2,405	44,600	164,580	64,766	19,078	23,165	63,724	36,748	24,561	4,588	7,093
1990	824,171	107,934	114,722	102,984	5,809	48,329	223,012	54,848	12,797	14,865	57,875	47,519	25,555	1,618	6,304
1991	932,371	153,719	230,582	107,362	5,615	43,357	216,816	42,812	16,602	20,337	40,390	32,229	15,549	3,225	3,866
1992	573,102	90,032	86,754	71,684	2,332	25,906	108,876	30,894	12,515	15,131	47,157	51,338	18,198	6,303	5,982
1993	599,381	145,579	67,582	60,993	3,469	31,154	80,496	44,174	35,697	24,320	41,949	36,699	14,130	3,540	9,599
1994	156,825	61,142	1,069	4,545	Closed	Closed	518	1,184	8,322	5,218	6,978	23,279	25,360	8,905	10,305
1995	526,232	190,158	28,697	31,857	1,990	15,604	53,553	20,617	23,801	66,403	22,920	28,560	29,242	5,200	6,630
1996	392,254	161,424	21,391	29,059	1,901	8,750	40,605	18,103	15,486	16,318	20,343	20,501	25,417	6,408	6,548

NOTE: In 1976, several area boundary lines were changed resulting in thirteen catch areas instead of twelve. The changes were mostly reflected in catch areas 8, 9, 10, and new area 13. In 1989, catch Area 8 was subdivided into Areas 8.1 and 8.2 and catch Area 2 was subdivided into Areas 2, 2.1 and 2.2. For comparative purposes, the catch for Areas 8.1 and 8.2 are totaled and entered under Area 8. Similarly, the catch in Areas 2, 2.1 and 2.2 are included in the total catch for Area 2.

Marine Area	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Number of Jacks	Number of Unknown	Total Salmon	Marine Angler Trips	Salmon per Trip
Ilwaco-Ocean (Area 1)	92	17,788		2				17,882	15,593	1.15
Ilwaco-Buoy 10 (Area 1)	931	2,578						3,509	9,448	0.18
Westport (Area 2)	16	23,073						23,089	15,494	1.49
Willapa Bay (Area 2.1)	1,045	1,240	137			75		2,497	N/A	N/A
Grays Harbor (Area 2.2)	1,197	1,387	17			872		3,473	N/A	N/A
LaPush (Area 3)	11	1,890						1,901	1,501	1.27
Neah Bay (Area 4)	58	8,682	5	2	3			8,750	10,673	0.82
Subtotal Coast	3,350	56,638	159	4	3	947	0	61,101	52,709	*1.05
Sekiu-Pillar Point (Area 5)	2,670	37,731	198	6				40,605	39,769	0.96
East Juan de Fuca (Area 6)	2,155	15,903	45					18,103	18,295	0.78
San Juan Islands (Area 7)	12,674	2,704	80		28			15,486	52,908	0.37
Deception Pass, Hope Island (Area 8.1)	1,810	532	8					2,350	12,218	0.33
Port Susan & Port Gardner (Area 8.2)	4,398	9,316	233	21				13,968	43,681	0.35
Admiralty Inlet (Area 9)	18,023	1,945	375					20,343	65,157	0.39
Seattle-Bremerton (Area 10)	12,244	6,732	1,516		9			20,501	68,279	0.30
Tacoma-Vashon Island (Area 11)	15,316	8,746	1,309	23	23			25,417	106,928	0.24
Hood Canal (Area 12)	380	46	5,982					6,408	9,032	0.45
South Puget Sound (Area 13)	2,399	1,484	2,665					6,548	36,678	0.26
Subtotal Puget Sound	72,069	85,139	12,411	50	60	947	0	169,729	452,945	0.38
Marine Area Totals	75,419	141,777	12,570	54	63	947	0	230,830	505,654	0.45
Freshwater Totals	31,901	31,835	14,088	3	70,424	11,296	1,877	161,424	-----	-----
Grand Totals	107,320	173,612	26,658	57	70,487	12,243	1,877	392,254	505,654	-----

* Salmon per trip is calculated using the coast salmon subtotal minus Grays Harbor and Willapa Bay catch.

Table 7. 1996 SPORT SALMON CATCH, Area 1 - Ilwaco: Ocean

Week Ending	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Trip
July 28	15	2,155		2		2,172	1,457	1.49
August 4	7	2,510				2,517	1,795	1.40
August 11	12	2,305				2,317	1,753	1.32
August 18	6	2,198				2,204	1,911	1.15
August 25	22	3,195				3,217	2,630	1.22
September 1		2,577				2,577	2,451	1.05
September 8	2	1,893				1,895	2,057	0.92
September 15	15	830				845	1,128	0.75
September 22		82				82	252	0.33
September 29	13	43				56	159	0.35
TOTAL	92	17,788		2		17,882	15,593	1.15

Note: Catch by species is presented by actual catch area and therefore may not correspond with catch by quota area statistics reported prior to 1995.

Table 8. 1996 Sport Salmon Catch, Area 1 - Ilwaco: River

Week Ending	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Trip
August 4		13				13	361	0.04
August 11		42				42	364	0.12
August 18		225				225	1,004	0.22
August 25		117				117	780	0.15
September 1	399	991				1,390	2,645	0.53
September 8	476	921				1,397	2,702	0.52
September 15	53	240				293	1,137	0.26
September 22	1	24				25	264	0.10
September 29	2	5				7	169	0.04
September 30 - Oct. 6						0	22	0.00
October 13						0	0	0.00
TOTAL	931	2,578	0	0	0	3,509	9,448	0.37

Note: Catch by species is presented by actual catch area and therefore may not correspond with catch by quota area statistics reported prior to 1995.
Note: Some Catch from August-October in Area 1 - Ilwaco River comes from above Meglar-Astoria Bridge.

Table 9. 1996 Sport Salmon Catch, Area 2 – Westport

Week Ending	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Trip
July 28	8	3,182				3,190	2,329	1.37
August 4		2,793				2,793	2,129	1.31
August 11		3,097				3,097	2,455	1.26
August 18	3	4,412				4,415	2,501	1.77
August 25		4,345				4,345	2,568	1.69
September 1	5	3,042				3,047	2,114	1.44
September 8		2,202				2,202	1,392	1.58
September 15						0	6	0.00
September 22						0	0	0.00
September 29						0	0	0.00
TOTAL	16	23,073	0	0	0	23,089	15,494	1.49

Note: Catch by species is presented by actual catch area and therefore may not correspond with catch by quota area statistics reported prior to 1995.

Table 10. 1996 Sport Salmon Catch, Area 2.1 - Willapa Bay

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Number of Jacks	Total Salmon
August	251	231					482
September	627	699	43			56	1,425
October	167	200	20			19	406
November		110	74				184
TOTAL	1,045	1,240	137	0	0	75	2,497

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Number of Jacks	Total Salmon
August	56	56					112
September	538	780				223	1,541
October	549	441	17			630	1,637
November	36	110				19	165
December	18						18
TOTAL	1,197	1,387	17			872	3,473

Week Ending	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Trip
August 11	4	393				397	409	0.97
August 18		281				281	217	1.29
August 25	2	244				246	187	1.32
September 1		170				170	187	0.91
September 8	3	369				372	244	1.52
September 15		242				242	137	1.77
September 22	2	86				88	57	1.54
September 29		105				105	63	1.67
TOTAL	11	1,890	0	0	0	1,901	1,501	1.27

Note: Catch by species is presented by actual catch area and therefore may not correspond with catch by quota area statistics reported prior to 1995.

Table 13. 1996 Sport Salmon Catch, Area 4 – Neah Bay

Week Ending	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Trip
August 11	25	3,852	5		3	3,885	5,270	0.74
August 18	13	1,131		2		1,146	1,645	0.70
August 25	9	617				626	1,149	0.54
September 1	6	1,338				1,344	1,508	0.89
September 8	3	1,737				1,740	1,096	1.59
September 15	2	7				9	5	1.80
September 22						0	0	0.00
September 29						0	0	0.00
TOTAL	58	8,682	5	2	3	8,750	10,673	0.82

Note: Catch by species is presented by actual catch area and therefore may not correspond with catch by quota area statistics reported prior to 1995.

Table 14. 1996 Sport Salmon Catch, Area 5 - Sekiu - Pillar Point

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	180					180	604	0.30
February	401					401	1,348	0.30
March	325	51				376	1,445	0.26
April	309	3				312	1,154	0.27
May	265	3				268	990	0.27
June	726	8				734	2,712	0.27
July	0	18				18	67	0.27
August	26	1,456				1,482	1,435	1.04
September	421	36,176	198	6		36,802	29,938	1.25
October	4	2				6	22	0.27
November	9					9	18	0.49
December	4	14				18	36	0.49
TOTAL	2,670	37,731	198	6	0	40,605	36,769	1.12

Note: Estimates in this table are a combination of creel and catch record card estimates. Estimates from September 1 - 20 are from creel surveys. During all other time periods estimates are from catch record cards. Refer to Table 24 for creel survey estimates during the coho retention fishery, September 1- 20.

Table 15. 1996 Sport Salmon Catch, Area 6 - East Juan de Fuca Strait

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	395					395	726	0.54
February	518					518	1,225	0.42
March	273					273	664	0.41
April	296	10				306	1,488	0.21
May	267	9				276	1,346	0.21
June	104	3				107	522	0.20
July	8	13				21	102	0.21
August	6	1,846				1,852	1,063	1.74
September	58	14,022	39			14,119	10,594	1.33
October	17		6			23	85	0.27
November	137					137	278	0.49
December	76					76	201	0.38
TOTAL	2,155	15,903	45	0	0	18,103	18,295	0.99

Table 16. 1996 Sport Salmon Catch, Area 7 - San Juan Islands

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	624					624	924	0.68
February	946					946	1,585	0.60
March	564					564	1,330	0.42
April	511	9				520	1,768	0.29
May	793	13				806	2,744	0.29
June	1,437	11				1,448	6,777	0.21
July	1,964	141			28	2,133	10,723	0.20
August	3,262	616				3,878	13,564	0.29
September	1,016	1,622				2,638	7,869	0.34
October	634	292	63			989	3,045	0.32
November	498		17			515	1,163	0.44
December	425					425	1,416	0.30
TOTAL	12,674	2,704	80	0	28	15,486	52,908	0.29

Table 17. 1996 Sport Salmon Catch, Area 8.1 - Deception Pass/Hope Island

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	259					259	1,198	0.22
February	214					214	989	0.22
March	107					107	493	0.22
April	152					152	702	0.22
May	30					30	139	0.22
June		30				30	139	0.22
July	30	15				45	208	0.22
August	30					30	139	0.22
September	46	76				122	1,313	0.09
October	278	411				689	4,759	0.14
November	328		8			336	796	0.42
December	336					336	1,344	0.25
TOTAL	1,810	532	8	0	0	2,350	12,218	0.19

Table 18. 1996 Sport Salmon Catch, Area 8.2 - Port Susan/Port Gardner

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	228					228	725	0.31
February	321					321	1,272	0.25
March	353					353	2,566	0.14
April	148	27				175	1,279	0.14
May	9					9	75	0.12
June	7	3				10	84	0.12
July	184	262		12		458	1,490	0.28
August	2,113	1,522		9		3,644	17,436	0.18
September	176	5,465	25			5,666	10,777	0.52
October	318	2,037	187			2,542	4,167	0.61
November	268		21			289	3,237	0.09
December	273					273	572	0.48
TOTAL	4,398	9,316	233	21	0	13,968	43,681	0.32

Note: Estimates in this table are a combination of creel and catch record card estimates. Estimates for August 1 - September 30 are from creel surveys. During all other time periods estimates are from catch record cards. Refer to Table 24 for creel survey estimates in the Tulalip Bay Special Area Fishery (SAF), August 1 to September 30, 1996.

Table 19. 1996 Sport Salmon Catch, Area 9 - Admiralty Inlet

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	1,064	17				1,081	3,302	0.33
February	935	15				950	2,900	0.33
March	1,096	49				1,145	2,706	0.42
April	1,264	51				1,315	4,490	0.29
May	3,375	184				3,559	12,767	0.28
June	3,209	1,317				4,526	15,320	0.30
July	839	0				839	6,469	0.13
August	183	75				258	1,990	0.13
September	77	198				275	2,121	0.13
October	3,122	39	212			3,373	7,765	0.43
November	1,529		163			1,692	3,222	0.53
December	1,330					1,330	2,104	0.63
TOTAL	18,023	1,945	375	0	0	20,343	65,157	0.31

Table 20. 1996 Sport Salmon Catch, Area 10 - Seattle/Bremerton

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	423	35				458	2,435	0.19
February	452	37				489	2,603	0.19
March	252	23				275	1,300	0.21
April	513	65				578	2,559	0.23
May	441	46				487	2,853	0.17
June	413	923			6	1,342	4,344	0.31
July	1,616	823			3	2,442	8,780	0.28
August	4,852	951	75			5,878	22,250	0.26
September	278	2,509	153			2,940	7,489	0.39
October	288	1,274	1,081			2,643	6,220	0.43
November	2,045	23	184			2,252	4,067	0.55
December	671	23	23			717	3,379	0.01
TOTAL	12,244	6,732	1,516	0	9	20,501	68,279	0.30

Note: Estimates in this table are a combination of creel and catch record card estimates. Estimates for July 5-October 15 are from creel surveys. During all other time periods estimates are from catch record cards. Refer to Table 24 for creel survey estimates in Special Area Fisheries.

Table 21. 1996 Sport Salmon Catch, Area 11 - Tacoma/Vashon Island

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	207	22				229	2,095	0.11
February	301	32				333	3,051	0.11
March	386	41				427	3,906	0.11
April	371	40				411	3,759	0.11
May	647	69				716	6,550	0.11
June	839	90				929	8,501	0.11
July	3,282	1,094		23	23	4,422	17,958	0.25
August	6,768	981	204			7,953	32,306	0.25
September	1,552	4,912	435			6,899	20,812	0.33
October	364	1,435	645			2,444	5,782	0.42
November	352	19	25			396	1,169	0.34
December	247	11				258	1,039	0.25
TOTAL	15,316	8,746	1,309	23	23	25,417	106,928	0.24

Table 22. 1996 Sport Salmon Catch, Area 12 - Hood Canal

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	15					15	109	0.14
February	137					137	977	0.14
March	30					30	215	0.14
June	30					30	215	0.14
July	46					46	328	0.14
August	76					76	543	0.14
September	46	46	92			184	1,311	0.14
October			1,433			1,433	2,287	0.63
November			4,289			4,289	2,868	1.50
December			168			168	179	0.94
TOTAL	380	46	5,982	0	0	6,408	9,032	0.71

Table 23. 1996 Sport Salmon Catch, Area 13 - South Puget Sound

Statistical Month	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon	Marine Angler Trips	Salmon Per Angler
January	14	17				31	257	0.12
February	70	83				153	1,281	0.12
March	70	83				153	1,281	0.12
April	125	148				273	2,294	0.12
May	70	83				153	1,285	0.12
June	21	25				46	384	0.12
July	252	299				551	4,623	0.12
August	1,386	137				1,523	11,840	0.13
September	371	541	1,070			1,982	9,320	0.21
October	20	68	785			873	2,624	0.33
November			547			547	1,028	0.53
December			246			246	461	0.53
TOTAL	2,399	1,484	2,665	0	0	6,548	36,678	0.18

Table 24. 1996 Sport Catch: Puget Sound Special Area Fisheries and Area 5 Coho Retention Fishery

Catch Area	Month/Day	Number of Boats	Number of Anglers	Number of Chinook	Number of Coho	Number of Chum	Number of Pink	Number of Sockeye	Total Salmon
Area 5									
Coho Retention Fishery	September 1-20	12,538	30,359	447	37,632	198	6	0	38,283
AREA 8-2									
Tulalip	August 1 - September 30	10,940	22,733	2,791	460	0	52	0	3,303
AREA 10									
East Kitsap - South of Restoration Point	July 5 - October 15	17,891	35,277	5,148	4,094	646	0	0	9,888
Elliott Bay	August 3-5 and 10-12	2,638	5,494	1,265	458	2	0	2	1,727
TOTAL	July 5 - October 15	20,529	40,771	6,413	4,552	648	0	2	11,615
Lake Washington									
Lake Washington	July 13 - August 11	N/A	N/A	N/A	N/A	N/A	N/A	70,205	70,205
Note: Estimates in this table are from creel surveys.									

Table 25. 1996 Freshwater Salmon Catch - Statistical Months

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Columbia River Systems														
Columbia River, Lower ^{1 and 2}	Chinook								727	2,718	18	12		3,475
	Coho								6	146	5	16	3	176
	Jack, Chinook								47	137	4			188
	Jack, Coho									57				57
	Total								780	3,058	27	28	3	3,896
Columbia River, Mid-	Chinook							11	301	776	491	9		1,588
	Coho								8	61	565	208	52	894
	Jack, Chinook								8	37	61			106
	Jack, Coho										66	22		88
	Total							11	317	874	1,183	239	52	2,676
Columbia River, Upper	Chinook					181	83	28	75	2,105	2,651	18		5,141
	Coho									7	4	22		33
	Unknown									11	25			36
	Jack, Chinook					61	108	4	4	141	219			537
	Jack, Coho									4	11	7		22
Total					242	191	32	79	2,268	2,910	47		5,769	
Cispus River	Coho										3	2		5
	Total										3	2		5
Coweeman River	Chinook								3					3
	Coho								2					2
Total									5					5
Cowlitz River	Chinook	2			5	5	5	9	2	31	210	12	3	284
	Chum										2			2
	Coho	7							3	166	365	348	83	972
	Sockeye										2			2
	Jack, Chinook	2						8	21	71	136	20	3	261
	Jack, Coho	7								49	410	102	4	572
	Total	18				5	5	5	17	26	317	1,125	482	93
Elochoman River	Chinook									181	50			231
	Chum										6			6
	Coho								6	283	243	12	3	547
	Unknown										3			3
	Jack, Chinook									25	3			28
	Jack, Coho									22	50			72
Total									6	511	355	12	3	887

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Columbia River Systems														
Grays River	Chinook									16	3			19
	Coho									16	16			32
	Jack, Coho										16			16
	Total									32	35			67
Icicle River	Chinook					44				2				46
	Jack, Chinook					2								2
	Total					46				2				48
Kalama River	Chinook				40	125	25	6	31	215	134			576
	Chum									12				12
	Coho								6	109	324	56		495
	Unknown										3			3
	Jack, Chinook				3	6	3		3	9	6			30
	Jack, Coho									3	18	15		36
Total				43	131	28	6	40	348	485	71			1,152
Klickitat River	Chinook				6	71	29	37	140	528	131	6		948
	Coho									37	301	159	90	587
	Unknown										6	9		15
	Jack, Chinook					15	15	9	9	34	6	6		94
	Jack, Coho									3	19	22	15	59
	Total				6	86	44	46	149	602	463	202	105	
Lewis River (East Fork)	Jack, Coho											2		2
	Total											2		2
Lewis River	Chinook	9			2	35	276	27	4	38	9	2		402
	Chum										2	2	7	11
	Coho								9	254	431	150	35	879
	Jack, Chinook				2		29	6	4	46	77	32	2	198
	Jack, Coho								2	184	471	68	6	731
	Total	9			4	35	305	33	19	522	990	254	50	
Little White Salmon River	Chinook	4			610	1,117		15	126	191	76			2,139
	Coho									11	27	8		46
	Jack, Chinook					15			4	4	4			27
	Jack, Coho								4	38				42
	Total	4			610	1,132		15	134	244	107	8		

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Columbia River Systems														
Tilton River	Chinook										5			5
	Coho										2	7	3	12
	Jack, Coho										42	47		89
	Total										49	54	3	106
Washougal River	Chinook			3						271	52	3		329
	Coho									6	38			44
	Jack, Chinook									12				12
	Jack, Coho										3			3
Total			3							289	93	3		388
White Salmon River	Chinook				137	346	19	15	54	76	46			693
	Coho							8	7	14	107			136
	Jack, Chinook					4								4
	Jack, Coho													8
Total				137	350	19	23	61	90	161				841
Wind River	Chinook				491	1,605	116		6	15	4			2,237
	Coho							4	19	11	7			41
	Jack, Chinook					24								24
	Total				491	1,629	116	4	25	26	11			2,302
COLUMBIA RIVER SYSTEM	Chinook	15		3	1,291	3,529	553	148	1,469	7,163	3,880	62	3	18,116
	Chum									12	10	2	7	31
	Coho	7						12	66	1,121	2,438	988	269	4,901
	Sockeye										2			2
	Unknown									11	37	9		57
	Jack, Unknown													0
	Jack, Chinook	2			5	127	155	27	100	516	516	58	5	1,511
Jack, Coho	7							6	360	1,114	285	25	1,797	
Totals	31	0	3	1,296	3,656	708	187	1,641	9,183	7,997	1,404	309		26,415

1 The Lower Columbia River estimate does not include some catch just upstream from the Megler-Astoria Bridge from August-October.

2 Creel survey estimates replaced Catch Record Card estimates in the Lower Columbia from February-October.

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Coastal River Systems														
Bear River	Chum										51			51
	Total										51			51
Bogachiel River	Chinook							7		7	82	13		109
	Chum										3			3
	Coho							10	3	3	86	20		122
	Sockeye											3		3
	Jack, Unknown									23	16			39
	Jack, Chinook										7			7
	Jack, Coho									16	13	10		39
	Total							17	3	49	207	46		322
Calawah River	Chinook										16	10		26
	Coho										13	7		20
	Jack, Chinook										3			3
	Jack, Coho								3	3		3		9
Total								3	3	32	20		58	
Chehalis River	Chinook					6	6	40	67	1,711	915	49	3	2,797
	Chum									3	58	52		113
	Coho	6							18	1,283	2,290	536	12	4,145
	Sockeye									3	3			6
	Unknown					3				3	9			15
	Jack, Unknown								6	21	52	12		91
	Jack, Chinook						3		6	86	104	9		208
	Jack, Coho									101	272	15		388
Total	6				9	9	40	97	3,211	3,703	673	15	7,763	
Clearwater River	Chinook					3					10			13
	Chum										3			3
	Coho										118	32		150
Total					3					131	32		166	
Copalis River	Chum									2				2
	Coho									18	31	2		51
	Jack, Chinook									2				2
Total									22	31	2		55	
Dickey River	Coho										20			20
	Total										20			20

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Coastal River Systems														
Hoh River	Chinook					35	114	98	20	82	98	12		459
	Coho								4	27	47	23		101
	Sockeye						4		4					8
	Jack, Unknown						4							4
	Jack, Chinook				4	4	8	8	12	8				44
	Jack, Coho									8	8			16
	Total					4	39	130	106	40	125	153	35	632
Hoquiam River	Chinook									6	3	6		15
	Chum											6		6
	Coho									3	18	83		104
Total									9	21	95		125	
Humptulips River	Chinook								3	297	1,944	340	3	2,587
	Chum										141	43		184
	Pink													0
	Coho	28							12	214	2,761	361		3,376
	Sockeye										15	3		18
	Unknown					3					31			34
	Jack, Unknown									18	28			46
	Jack, Chinook									40	37			77
	Jack, Coho									46	126	9		181
	Total	28					3			15	615	5,083	756	3
Joe Creek	Chum										2			2
	Coho									2	24	2		28
	Jack, Unknown										3			3
Total									2	29	2		33	
Johns River	Chinook										28	3		31
	Chum									18	116	3		137
	Coho									9	52	15		76
	Unknown										43			43
Total									27	239	21		287	
Naselle River	Chinook								219	466	415	19	3	1,122
	Chum									13	54	19		86
	Coho	10								646	611	184	29	1,480
	Sockeye													0
	Unknown							3		6	6			15
	Jack, Unknown									29	19			48
	Jack, Chinook								10	10				20
	Jack, Coho							3		19	35	3		60
Total	10							6	229	1,189	1,140	225	32	2,831

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Coastal River Systems														
Nemah River	Chinook								3	16	79		3	101
	Chum										60	6		66
	Coho									6	713	19	3	741
	Sockeye													0
	Unknown										32	19		51
	Jack, Unknown										10			10
	Jack, Chinook										3			3
	Jack, Coho											13		
Total									3	22	910	44	6	985
North River	Chinook									3	3	10		16
	Coho									10	98	29		137
	Unknown										3	3		6
	Jack, Unknown										3	3		6
	Jack, Coho										6			6
Total										13	113	45		171
Palix River	Jack, Unknown											6		6
	Total											6		6
Queets River	Chinook				13	19	32			3	147	13		227
	Coho									3	41	22		66
	Jack, Unknown										3			3
	Jack, Chinook				3		6				13			22
	Jack, Coho										86	3		89
Total				16	19	38				6	290	38		407
Quillayute River	Chinook				10	3				16	76	7		112
	Coho								13	59	158			230
	Jack, Unknown									7	3			10
	Jack, Chinook									3		7		10
	Jack, Coho									3				3
Total				10	3				13	88	237	14		365
Quinault Lake	Chum											2		2
	Total											2		2
Quinault River	Chinook									2	2			4
	Coho										5			5
	Total									2	7			9

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Coastal River Systems														
Salmon River	Chinook										38	29		67
	Chum											10		10
	Pink											3		3
	Coho									6	57			63
	Unknown										3			6
	Jack, Unknown										3		3	6
	Jack, Coho									16	16			32
	Total									22	117	42	3	184
Satsop River	Chinook										386	187		573
	Chum										530	315		845
	Coho									15	1,062	530	55	1,674
	Unknown	12									77	37		114
	Jack, Unknown									3		6		9
	Jack, Chinook										12			12
	Jack, Coho									3	6	3		12
	Total	12								21	2,073	1,078	55	3,239
Smith Creek	Chinook									3	3			6
	Coho									10	51	10		71
	Jack, Chinook									3				3
	Total									16	54	10		80
Sol Duc River	Chinook				40	82	102	10	3	26	185	59	3	510
	Coho						3	10	69	102	792	155		1,131
	Sockeye				3		3	30	20	53	20			129
	Unknown						3				10	13		26
	Jack, Unknown					3				3	16	7		29
	Jack, Chinook							3	3	3	23	10		42
	Jack, Coho								13	23	76	49		161
	Total				43	85	111	53	108	210	1,122	293	3	2,028
Willapa River	Chinook								82	348	279	25		734
	Chum									10	3			13
	Coho	73							6	95	143	60	6	383
	Sockeye													0
	Unknown										9			9
	Jack, Unknown									16	6			22
	Jack, Chinook								3	6	13			22
	Jack, Coho								3	29	29	3		64
Total	73								94	504	482	88	6	1,247

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Coastal River Systems														
Wishkah River	Chinook									6	52	21	3	82
	Chum										3			3
	Unknown									12	227	227	15	481
	Jack, Chinook												3	3
	Jack, coho									3	6	3		3
	Total									24	288	251	21	584
Wynoochee River	Chinook										214	12		226
	Chum										34	9		43
	Coho	12								12	312	178	9	523
	Unknown										3			3
	Jack, Unknown									3				3
	Jack, Coho								6		6			12
Total		12							6	15	569	199	9	810
COASTAL RIVER SYSTEMS	Chinook				40	149	244	187	397	2,992	4,975	815	18	9,817
	Chum									46	1,058	465		1,569
	Pink											3		3
	Coho	141					3	20	125	2,535	9,730	2,495	129	15,178
	Sockeye				3		7	30	24	56	38	6		164
	Unknown					6	3	3		9	226	72	6	325
	Jack, Unknown					3	4		6	123	162	34		332
	Jack, Chinook				4	7	11	17	34	164	215	26		478
	Jack, Coho							3	25	270	698	101		1,097
Totals		141			47	165	272	260	611	6,195	17,102	4,017	153	28,963

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Puget Sound River Systems														
Big Beef Creek	Coho								2	2				4
	Total								2	2				4
California Creek	Coho									2				2
	Total									2				2
Carbon River	Chinook									69	13	13		95
	Chum											36	13	49
	Coho									434	568	16		1,018
	Sockeye										3			3
	Unknown									3	16	3		22
	Jack, Unknown									29	23			52
	Jack, Chinook									26	23			49
	Jack, Coho									346	464	10		820
	Total									907	1,110	78	13	2,108
Chambers Creek	Chinook							2	13					15
	Jack, Unknown								2					2
	Total							2	15					17
Dakota Creek	Coho										14			14
	Jack, Chinook										3			3
	Jack, Coho										83			83
	Total										100			100
Deschutes River-Capital Lake	Chinook								228	659	249	8		1,144
	Coho									21	11			32
	Unknown						4			22	7			33
	Jack, Chinook								4	35	18			57
	Jack, Coho										11	7		18
	Total						4	232	737	296	15			1,284
Dewatto Creek	Chum											7		7
	Total											7		7
Duckabush River	Chum										49	314	103	466
	Total										49	314	103	466
Dungeness River	Chum											9		9
	Coho										249	585		834
	Jack, Coho										6			6
	Total										255	594		849

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Puget Sound River Systems														
Elwha River	Chum										5	2		7
	Coho										170	2		172
	Jack, Coho										7			7
	Total										182	4		186
Green-Duwamish River	Chum										28	97	38	163
	Coho									24	1,057	52	5	1,138
	Jack, Unknown										35			35
	Jack, Chinook											5		5
	Jack, Coho									2	761	7		770
Total										26	1,891	161	43	2,121
Hoko River	Chinook										4			4
	Coho									4	4			8
	Unknown			2										2
Total			2							4	8			14
Kennedy Creek	Chum									3	216	422	3	644
	Unknown										3	5		8
Total										3	219	427	3	652
*Lk Washington/Sammamish Lk	Chinook							105	47	7	4	4		167
	Chum										7			7
	Coho							372	116	51	763	11		1,313
	Sockeye							57,568	12,367	40			4	70,249
	Unknown	65	18	7	4	7	29	41	22		108	18		319
	Jack, Chinook							7						7
	Jack, Coho							4				51		
Total	65	18	7	4	7	29	58,097	12,822	98	926	40	4	72,117	
McAllister Creek	Chinook								77	343	40			460
	Chum									3				3
	Coho									10	7			17
	Jack, Chinook								30	148	20			198
Total									107	504	67		678	
Mclance Creek (Mud Bay)	Chinook									5				5
	Chum										2			2
Total										5	2			7

* July and August sockeye estimates are from creel surveys.

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Puget Sound River Systems														
Nisqually River	Chinook	164							74	158	60		205	292
	Chum											10	3	379
	Coho								7	34	60	13		117
	Jack, Unknown								17	77	30			124
	Jack, Chinook								3	97	185	10	7	302
	Jack, Coho								3	3	50	71	20	147
	Total		164						6	198	504	231	50	208
Nooksack River	Chinook									111	56	10	7	184
	Chum										10	142	135	287
	Coho									812	590	104		1,506
	Unknown							7				7	7	21
	Jack, Unknown									14	7			21
	Jack, Chinook									35	7	3		45
	Jack, Coho									274	153	21		448
Total							7		1,246	822	288	149	2,512	
Puyallup River	Chinook							3	36	118	16	13		186
	Chum										13	121		134
	Coho								26	2,156	526			2,708
	Sockeye											3		3
	Unknown								3	39	10			52
	Jack, Unknown									238	7			245
	Jack, Chinook								10	131	29	3		173
	Jack, Coho							3	29	2,221	392	3		2,648
Total							6	104	4,903	993	143		6,149	
Pysht River	Jack, Coho									3	2			5
	Total									3	2			5
Quilcene River	Chinook											2		2
	Chum											2		2
	Jack, Chinook										2			2
Total											2	4		6
Samish River	Chinook								115	1,037	156			1,308
	Chum										24	38	14	76
	Coho									35	59			94
	Unknown									6	3			9
	Jack, Unknown									35	3			38
	Jack, Chinook								38	257	10			305
	Jack, Coho									31	17			48
Total								153	1,401	272	38	14	1,878	

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Puget Sound River Systems														
Skagit River	Chinook						4	9						13
	Chum										341	2,211	433	2,985
	Coho							4		4	13			21
	Unknown											39		39
	Jack, Chinook											4		4
	Jack, Coho											4	4	8
	Total							4	13		4	354	2,258	437
Skokomish River	Chum										35	20		55
	Total										35	20		55
Skykomish River	Chinook									7		3		10
	Chum										405	1,327	418	2,150
	Coho								3	408	494	59		964
	Sockeye											3		3
	Unknown									3	3	36		42
	Jack, Unknown										3			3
	Jack, Chinook									3		3	3	9
	Jack, Coho									10	30	3	7	50
Total									3	431	935	1,434	428	3,231
Snohomish River	Chinook										7			7
	Chum									13	557	606	105	1,281
	Coho							7	20	820	599	33	3	1,482
	Unknown						3			7	16			26
	Jack, Chinook								3					3
	Jack, Coho									46	23			69
Total							3	7	23	879	1,192	655	109	2,868
Snoqualmie River	Chum										3	59	105	167
	Coho									23	118	53	26	220
	Unknown											7		7
	Jack, Chinook									3			3	6
	Jack, Coho								3			3		6
Total									3	26	121	122	134	406
Stillaguamish River	Chum										30	40		70
	Coho									3	3	3		9
	Jack, Coho											7		7
Total										3	33	50		86
Tahuya River	Chum											4		4
	Total											4		4

Table 25. 1996 Freshwater Salmon Catch - Statistical Months (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Puget Sound River Systems														
Tolt River	Chum												2	2
	Total												2	2
Whatcom Creek	Chinook									10	59	7		76
	Chum	14									531	2,918	76	3,539
	Coho								7	45	24			76
	Unknown									7	56			63
	Jack, Chinook								3	10	3			16
	Jack, Coho										31	3		34
Total	14								20	683	3,011	76	3,804	
White (Stuck) River	Coho										7			7
	Total										7			7
PUGET SOUND RIVER SYSTEMS	Chinook						4	119	590	2,524	664	60	7	3,968
	Chum	178								19	2,249	8,392	1,650	12,488
	Pink													0
	Coho						383	174	4,850	5,357	955	37		11,756
	Sockeye						57,568	12,637	40	3	6	4		70,258
	Unknown	65	18	9	4	7	32	52	25	73	164	187	7	643
	Jack, Unknown								19	393	108			520
	Jack, Chinook							10	182	826	132	28	6	1,184
	Jack, Coho							10	35	2,983	2,102	88	11	5,229
	Totals	243	18	9	4	7	36	58,142	13,662	11,708	10,779	9,716	1,722	106,046

Table 26. 1996 Washington Sport Salmon Fishing, by Residence

County of Residence	Number of Catch Record Cards	Population of County	Percentage of Catch Record Card Holders	Total Freshwater Salmon Catch	Total Marine Salmon Catch	Total Salmon	Average Catch Per Catch Record Card
Adams	250	15,400	1.62	41	146	187	0.75
Asotin	103	19,600	0.53	0	0	0	0.00
Benton	4,549	131,000	3.47	2,402	837	3,239	0.71
Chelan	1,295	61,300	2.11	489	400	889	0.69
Clallum	8,288	65,000	12.75	1,547	18,846	20,393	2.46
Clark	17,268	303,500	5.69	6,880	2,692	9,572	0.55
Columbia	44	4,200	1.05	0	0	0	0.00
Cowlitz	8,627	90,800	9.5	4,845	2,256	7,101	0.82
Douglas	810	30,400	2.66	590	164	754	0.93
Ferry	74	7,200	1.03	81	73	154	2.08
Franklin	1,340	43,700	3.07	631	36	667	0.50
Garfield	74	2,400	3.08	0	0	0	0.00
Grant	1,030	66,400	1.55	122	146	268	0.26
Grays Harbor	10,849	68,200	15.91	9,527	5,330	14,857	1.37
Island	6,919	70,300	9.84	285	6,676	6,961	1.01
Jefferson	3,033	25,700	11.8	448	5,239	5,687	1.88
King	76,521	1,628,800	4.7	51,664	51,299	102,963	1.35
Kitsap	15,649	224,700	6.96	1,059	16,081	17,140	1.10
Kittitas	869	30,800	2.82	468	528	996	1.15
Klickitat	1,030	18,700	5.51	631	18	649	0.63
Lewis	4,416	66,700	6.62	1,995	1,910	3,905	0.88
Lincoln	177	9,800	1.81	102	473	575	3.25
Mason	4,019	46,700	8.61	936	3,966	4,902	1.22
Okanogan	368	37,500	0.98	61	255	316	0.86
Pacific	3,459	21,100	16.39	2,606	1,728	4,334	1.25
Pend Oreille	74	11,100	0.67	0	0	0	0.00
Pierce	41,278	665,200	6.21	14,901	36,164	51,065	1.24
San Juan	1,855	12,400	14.96	41	1,892	1,933	1.04
Skagit	9,201	95,500	9.63	3,664	5,803	9,467	1.03
Skamania	368	9,800	3.76	794	0	0	0.00
Snohomish	32,048	538,100	5.96	14,473	23,740	38,213	1.19
Spokane	3,106	406,500	0.76	997	1,674	2,671	0.86
Stevens	74	36,600	0.2	0	0	0	0.00
Thurston	12,498	193,100	6.47	7,104	7,877	14,981	1.20
Wahkiakum	471	3,800	12.39	81	73	154	0.33
Walla Walla	721	53,400	1.35	285	364	649	0.90
Whatcom	9,230	152,800	6.04	6,799	4,220	11,019	1.19
Whitman	250	41,000	0.61	142	18	160	0.64
Yakima	7,125	207,600	3.43	5,863	1,637	7,500	1.05
Unknown WA	59	N/A	N/A	0	0	0	0.00
Washington Total	289,419	5,516,800	5.25	142,554	203,198	344,958	1.19
Other State Total	33,505	N/A	N/A	6,066	15,354	21,420	0.64
Canada	824	N/A	N/A	0	55	0	0.07
Unknown	10,025	N/A	N/A	12,804	12,860	25,664	3.50
Grand Total	333,773	N/A	N/A	161,424	230,830	392,254	1.18

Table 27. 1996 Frequency Distribution of Estimated Salmon Catch Record Cards and Catch

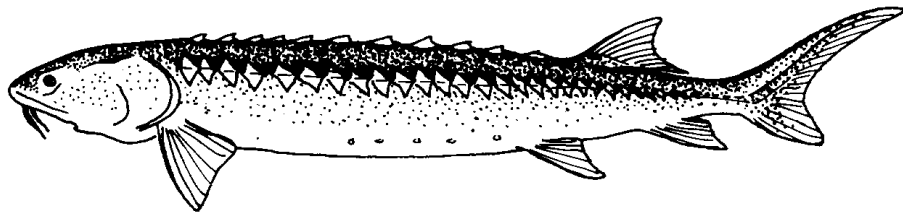
Number of Salmon per Catch Record Card	Number of Cards	Cumulative Number of Cards	Percent Cards	Cumulative Percent Cards	Total Catch	Cumulative Total Catch	Percent Catch	Cumulative Percent Catch
0	218,066	218,066	65.33	65.33	0	0	0.00	0.00
1	32,515	250,581	9.74	75.08	27,864	27,864	7.10	7.10
2	27,924	278,505	8.37	83.44	47,860	75,724	12.20	19.30
3	11,967	290,472	3.59	87.03	30,767	106,491	7.84	27.15
4	10,809	301,281	3.24	90.27	37,050	143,541	9.45	36.59
5	6,129	307,410	1.84	92.10	26,260	169,801	6.69	43.29
6	5,661	313,071	1.70	93.80	29,105	198,906	7.42	50.71
7	3,410	316,481	1.02	94.82	20,454	219,360	5.21	55.92
8	2,897	319,378	0.87	95.69	19,862	239,222	5.06	60.98
9	2,295	321,673	0.69	96.37	17,704	256,926	4.50	65.50
10	2,117	323,790	0.63	97.01	18,143	275,069	4.63	70.12
11	1,515	325,305	0.45	97.46	14,285	289,334	3.64	73.76
12	1,493	326,798	0.45	97.91	15,355	304,709	3.92	77.69
13	1,137	327,935	0.34	98.25	12,662	317,371	3.23	80.91
14	1,047	328,982	0.31	98.56	12,566	329,937	3.20	84.11
15	4,613	333,595	1.38	99.95	59,299	389,236	15.12	99.23
16	67	333,662	0.02	99.97	917	390,153	0.23	99.46
18	22	333,684	0.01	99.97	344	390,497	0.09	99.55
20	45	333,729	0.01	99.99	764	391,261	0.20	99.75
21	22	333,751	0.01	99.99	401	391,662	0.10	99.85
31	22	333,773	0.01	100.00	592	392,254	0.15	100.00
Total	333,773		100.00		392,254		100.00	

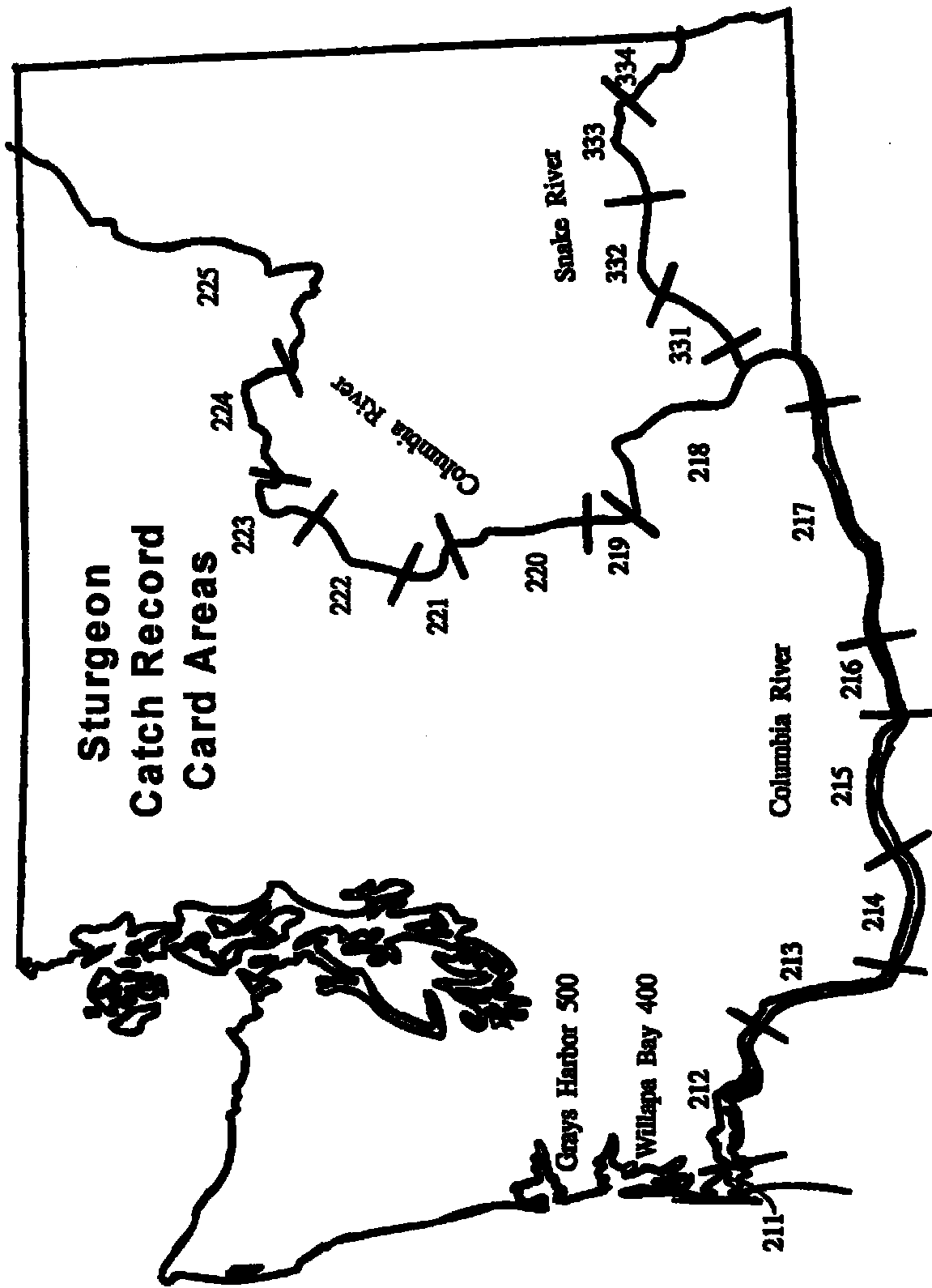
Note: The figures do not accurately multiply across because of a bias adjustment factor.

Table 28A. 1996 Sport Salmon Technical Catch Data	
Records on File	Estimates and Calculations
Name and Address File	23,103
Catch Record Cards In Sample Returns (Totinsrt)	14,993
Correction Data	
Correction Factor (Corrfctr) (Percentage of voluntarily returned catch records with matching names and addresses Num_Mtc / Totvol)	4687 / 5316 = .882 (88%)
Name/Addresses Corrected for Dealer Non-Response (Cor_n_F1) (Num_F1 / Corrfctr)	23,103 / .882 = 26,194
Estimated Number of Catch Records Issued (Tot_crc) (Numbook / Corrfctr * avg book * 4 books sampled)	13,787 x 24.21 = 333,773
Catch Expansion Factor (Exp_Fctr) Tot_Crc issued / Total in sample returns	333,773 / 14,993 = 22.26

Table 28B. 1996 Inventory of Catch Record Cards Received										
Number of Cards With Catch		Number of Cards Without Catch		Total Cards	Number of Salmon			Catch Per Card		
Catch Records	Reminder Letters	Catch Records	Reminder Letters		Catch Records	Reminder Letters	Total Salmon	Catch Records	Reminder Letters	Total
3,554	1,648	4,009	5,776	14,977	4,707	2,264	6,971	0.31	0.15	0.47

Sturgeon





Description of Sturgeon Catch Record Card Areas

Columbia River

- 211 Buoy 10 to Astoria Bridge
- 212 Astoria Bridge to Longview Bridge
- 213 Longview Bridge to I-5 Bridge
- 214 I-5 Bridge to Bonneville Pool
- 215 Bonneville Pool to the Dalles Pool
- 216 The Dalles Pool to John Day Pool
- 217 John Day Pool to McNary Pool
- 218 McNary Pool to Priest Rapids Pool
- 219 Priest Rapids Pool to Wanapum Pool
- 220 Wanapum Pool to Rock Island Pool
- 221 Rock Island Pool to Rocky Reach Pool
- 222 Rocky Reach Pool to Wells Pool
- 223 Wells Pool to Chief Joseph Pool
- 224 Chief Joseph Pool to Grand Coulee Pool
- 225 Grand Coulee Pool to Canadian Border

Snake River

- 331 Ice Harbor Pool to Lower Monumental Pool
- 332 Lower Monumental Pool to Little Goose Pool
- 333 Little Goose Pool to Lower Granite Pool
- 334 Lower Granite Pool to Idaho Border

Other

- 400 Willapa Bay
- 500 Grays Harbor
- 299 Unknown Area (Statewide)

Table 29. 1996 Sport Sturgeon Catch, by Area and Month														
Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Columbia River System														
Buoy 10 to Astoria Bridge *	White	58	48	146	239	388	1,498	1,510	823	383	25	7	37	5,162
	Green	0	0	0	0	0	2	9	19	8	0	0	0	38
	Total	58	48	146	239	388	1,500	1,519	842	391	25	7	37	5,200
Astoria Bridge to Longview Bridge *	White	131	108	331	540	880	3,392	3,418	1,864	867	58	16	84	11,689
	Total	131	108	331	540	880	3,392	3,418	1,864	867	58	16	84	11,689
Longview Bridge to I-5 Bridge *	White	406	5	237	109	52	43	2	9	0	34	25	25	947
	Total	406	5	237	109	52	43	2	9	0	34	25	25	947
I-5 Bridge to Bonneville Dam *	White	228	359	833	579	445	293	300	229	378	538	130	9	4,321
	Total	228	359	833	579	445	293	300	229	378	538	130	9	4,321
Bonneville Dam to The Dalles Dam	White	111	34	343	27	34	38	12	12	42	4	8	0	665
	Total	111	34	343	27	34	38	12	12	42	4	8	0	665
The Dalles Dam to John Day Dam	White	4	4	19	15	4	0	4	8	0	0	0	0	58
	Total	4	4	19	15	4	0	4	8	0	0	0	0	58
John Day Dam to McNary Dam	White	0	23	15	23	0	0	4	0	0	0	0	0	65
	Total	0	23	15	23	0	0	4	0	0	0	0	0	65
McNary Dam to Priest Rapids Dam	White	4	8	11	19	23	65	168	134	84	30	11	0	557
	Total	4	8	11	19	23	65	168	134	84	30	11	0	557
Priest Rapids Dam to Wanapum Dam	White	0	0	0	0	0	0	0	0	8	4	0	0	12
	Total	0	0	0	0	0	0	0	0	8	4	0	0	12
Wanapum Dam to Rock Island Dam	White	0	0	0	0	4	0	0	0	0	4	0	0	8
	Total	0	0	0	0	4	0	0	0	0	4	0	0	8
Rock Island Dam to Rocky Reach Dam	White	0	0	0	0	0	0	4	0	4	0	0	0	8
	Total	0	0	0	0	0	0	4	0	4	0	0	0	8
Grand Coulee Dam to Canadian Border	White	0	0	0	0	0	8	11	11	4	0	0	0	34
	Total	0	0	0	0	0	8	11	11	4	0	0	0	34
COLUMBIA RIVER SYSTEM	White	942	589	1,935	1,551	1,830	5,337	5,433	3,090	1,770	697	197	155	23,526
	Green	0	0	0	0	0	2	9	19	8	0	0	0	38
	Total	942	589	1,935	1,551	1,830	5,339	5,442	3,109	1,778	697	197	155	23,564

Note 1 :* Areas with an asterisk are creel survey estimates. All other area estimates are from catch record cards.

Note 2: All areas above Priest Rapids to the Canadian Border and above Lower Granite Dam to the Idaho border are catch and release only.

Table 29. 1996 Sport Sturgeon Catch, by Area and Month (continued)

Catch Area	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Fish
Snake River System														
Ice Harbor Dam to Lower Monumental Dam	White Total	0 0	0 0	0 0	0 0	12 12	4 4	8 8	11 11	4 4	0 0	0 0	0 0	39 39
Lower Monumental Dam to Little Goose Dam	White Total	0 0	0 0	0 0	0 0	30 30	34 34	23 23	23 23	4 4	4 4	0 0	0 0	118 118
Little Goose Dam to Lower Granite Dam	White Total	0 0	0 0	0 0	11 11	38 38	34 34	31 31	23 23	8 8	0 0	0 0	0 0	145 145
Lower Granite Dam to Idaho border	White Total	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8 8	8 8	0 0	0 0	0 0	16 16
SNAKE RIVER SYSTEM	White Total	0 0	0 0	0 0	11 11	80 80	72 72	62 62	65 65	24 24	4 4	0 0	0 0	318 318
Grays Harbor System														
GRAYS HARBOR SYSTEM	White	99	156	156	88	103	255	404	259	145	91	42	19	1,817
	Green	0	0	4	4	0	15	19	4	8	8	8	0	70
	Unknown	0	0	0	0	0	0	11	11	0	0	0	0	22
	Total	99	156	160	92	103	270	434	274	153	99	50	19	1,909
Willapa Bay System														
WILLAPA BAY SYSTEM	White	53	88	213	423	156	137	95	65	34	19	50	76	1,409
	Green	0	0	0	4	4	0	8	8	0	0	0	0	24
	Unknown	0	0	0	11	8	11	0	0	0	0	0	4	34
	Total	53	88	213	438	168	148	103	73	34	19	50	80	1,467
Statewide Catch Areas														
STATEWIDE CATCH AREAS	White	1,094	841	2,319	2,084	2,207	5,847	6,028	3,502	1,992	830	289	250	27,283
	Green	0	0	8	8	4	25	36	31	20	12	8	4	152
	Unknown	0	0	0	11	8	11	11	11	0	0	0	4	56
	Total	1,094	833	2,308	2,092	2,181	5,829	6,041	3,521	1,989	819	297	254	27,258

Table 30. 1996 Washington Sport Sturgeon Fishing, by Residence

County of Residence	Number of Catch Record Cards	Population of County	Percentage of Catch Record Card Holders	Total Sturgeon	Average Catch Per Catch Record Card
Adams	128	15,400	0.83	51	0.40
Asotin	121	19,600	0.62	13	0.11
Benton	3,049	131,000	2.33	392	0.13
Chelan	194	61,300	0.32	79	0.41
Clallam	157	65,000	0.24	98	0.63
Clark	15,049	303,500	4.96	6,155	0.41
Columbia	80	4,200	1.90	6	0.08
Cowlitz	8,060	90,800	8.88	3,550	0.44
Douglas	164	30,400	0.54	3	0.02
Ferry	9	7,200	0.13	0	0.00
Franklin	915	43,700	2.10	114	0.13
Garfield	80	2,400	3.33	9	0.11
Grant	429	66,400	0.65	85	0.20
Grays Harbor	4,736	68,200	6.94	1,016	0.22
Island	37	70,300	0.05	22	0.60
Jefferson	37	25,700	0.14	6	0.16
King	3,496	1,628,800	0.21	1,699	0.49
Kitsap	513	22,4700	0.23	240	0.47
Kittitas	164	30,800	0.53	16	0.10
Klickitat	564	18,700	3.02	89	0.16
Lewis	2,716	66,700	4.07	1,013	0.37
Lincoln	37	9,800	0.38	9	0.24
Mason	776	46,700	1.66	402	0.52
Okanogan	137	37,500	0.37	66	0.48
Pacific	3,496	21,100	16.57	4,174	1.20
Pend Oreille	18	11,100	0.16	6	0.40
Pierce	3,065	665,200	0.46	1,234	0.41
San Juan	9	12,400	0.07	0	0.00
Skagit	114	95,500	0.12	47	0.41
Skamania	335	9,800	3.42	206	0.62
Snohomish	1,048	538,100	0.19	278	0.27
Spokane	870	406,500	0.21	168	0.19
Stevens	126	36,600	0.34	6	0.05
Thurston	3,209	193,100	1.66	1,199	0.37
Wahkiakum	420	3,800	11.05	174	0.41
Walla Walla	749	53,400	1.40	180	0.24
Whatcom	128	152,800	0.08	44	0.34
Whitman	110	41,000	0.27	41	0.37
Yakima	3,305	207,600	1.59	386	0.12
Washington Total	58,650	5,309,200	1.06	23,475	0.40
Other State Total	7,949	N/A	N/A	3,528	0.44
Canada	59	N/A	N/A	9	0.15
Foreign	2	N/A	N/A	0	0.00
Unknown	2,981	N/A	N/A	443	0.15
Grand Total	69,639	N/A	N/A	27,258	0.39

Table 31. 1996 Frequency Distribution of Estimated Sturgeon Catch Record Cards and Catch

Number of Sturgeon Per Catch Record Card	Number of Cards	Cumulative Number of Cards	Percent Cards	Cumulative Percent Cards	Total Catch	Cumulative Total Catch	Percent Catch	Cumulative Percent Catch
0	53,047	53,047	76.17	76.17	0	0	0.00	0.00
1	9,320	62,367	13.38	89.56	7,018	7,018	25.75	25.75
2	3,107	65,474	4.46	94.02	4,678	11,697	17.17	42.91
3	1,334	66,808	1.92	95.93	3,014	14,711	11.06	53.97
4	919	67,727	1.32	97.25	2,767	17,478	10.15	64.12
5	572	68,299	0.82	98.07	2,153	19,631	7.90	72.02
6	465	68,764	0.67	98.74	2,101	21,732	7.71	79.73
7	320	69,084	0.46	99.20	1,688	23,420	6.19	85.92
8	210	69,294	0.30	99.50	1,263	24,683	4.63	90.55
9	168	69,462	0.24	99.74	1,137	25,820	4.17	94.72
10	152	69,614	0.22	99.96	1,148	26,968	4.21	98.93
11	4	69,618	0.01	99.97	32	27,000	0.12	99.05
12	8	69,626	0.01	99.98	69	27,069	0.25	99.30
14	4	69,630	0.01	99.98	40	27,109	0.15	99.45
15	4	69,634	0.01	99.99	43	27,152	0.16	99.61
17	4	69,638	0.01	99.99	49	27,201	0.18	99.79
20	4	69,642	0.01	100.00	57	27,258	0.21	100.00
	69,642		100.00		27,258		100.00	

Note: The figures do not accurately multiply across because of a bias adjustment factor.

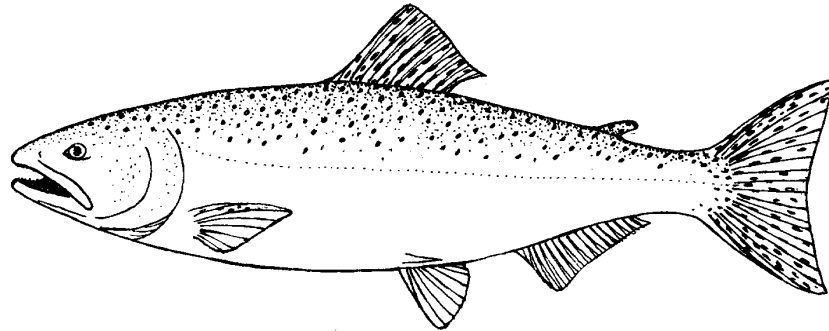
Table 32A. 1996 Sturgeon Technical Catch Data	
Records on File	Estimates and Calculations
Name and Address File (Num_F1)	29,352
Catch Record Cards In Sample Returns (Totinsrt)	18,270
Correction Data	
Correction Factor (Corrctr) (Percentage of voluntarily returned catch records with matching names and addresses Num_Mtc / Totvol)	1,225 / 1,454 = 0.843
Name/Addresses Corrected for Dealer Non-Response (Cor_n_F1) (Num_F1 / Corrctr)	29,352 / 0.843
Estimated Number of Catch Records Issued (Tot_crc) (Cor_n_F1 * 2 books sampled)	34,819 x 2 = 69,639
Catch Expansion Factor (Exp_Fctr) Tot_Crc issued / Total in sample returns	69,639 / 18,270 = 3.81

Table 32B. 1996 Sport Sturgeon Inventory of Catch Record Cards Received											
Response Code*	Number of Cards With Catch		Number of Cards Without Catch		Total Catch*	Number of Sturgeon			Catch Per Card		
	Catch Records	Reminder Letters	Catch Records	Reminder Letters		Catch Records	Reminder Letters	Total Sturgeon	Catch Records	Reminder Letters	Total
1 and 2	1,570	989	2,913	5,756	11,228	1,570	989	2,559	0.35	0.15	0.23
4	233	596	443	3,061	4,333	233	598	831	0.34	0.16	0.19
7	934	0	1,774	0	2,708	934	0	934	0.34	0.00	0.34
8	0	0	0	1	1	0	0	0	0.00	0.00	0.00
Total	2,737	1,585	5,130	8,818	18,270	2,737	1,587	4,324	0.35	0.15	0.24

*** Response Codes**
1 Prior to any reminder sent
2 After first reminder
4 After second reminder
7 From sporting goods dealers
8 Unknown return date

Note: *This table covers all reported sturgeon.

Steelhead



COLUMBIA RIVER AND TRIBUTARIES																	
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total		
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter	
ABERNATHY CREEK SYSTEM	Abernathy Creek	Marked			16	44						4				60	4
		Unmarked			0	0						0				0	0
		Total			16	44						4				60	4
COAL CREEK SYSTEM	Coal Creek	Marked							4							4	
		Unmarked							0							0	
		Total							4							4	
COLUMBIA RIVER SYSTEM	Below Bonneville Dam	Marked	88	1,171	2,703	3,473	499	28			13	15	2		11	7,962	41
		Unmarked	0	21	4	60	11	0			2	0	0		2	96	4
		Total	88	1,192	2,707	3,533	510	28			15	15	2		13	8,058	45
	Bonneville Dam to Dalles Dam	Marked			25	109	70	14		11						229	
		Unmarked			0	4	11	4		0						19	
		Total			25	113	81	18		11						248	
	The Dalles Dam to John Day Dam	Marked		7	49	130	39	60		18	70	21			42	436	
		Unmarked		0	0	0	17	7		0	4	0			0	28	
		Total		7	49	130	56	67		18	74	21			42	464	
	John Day Dam to McNary Dam	Marked		4		14	42	91		120	53					324	
		Unmarked		0		0	0	11		7	0					18	
		Total		4		14	42	102		127	53					342	
	McNary Dam to Hwy 395	Marked			4	25	120	488		495	130	14	7		4	1,287	
		Unmarked			0	0	7	18		11	4	0	0		0	40	
		Total			4	25	127	506		506	134	14	7		4	1,327	
Hwy 395 to Priest Rapids Dam	Marked	67	306	418	672	777	257		144	63	25	4	11	4	2,748		
	Unmarked	3	0	14	21	46	7		0	0	0	0	3	0	94		
	Total	70	306	432	693	823	264		144	63	25	4	14	4	2,842		
Priest Rapids Dam to Wanapum Dam	Marked			4	4	4	4								16		
	Unmarked			0	0	0	0								0		
	Total			4	4	4	4								16		
Wanapum Dam to Rock Island Dam	Marked				11	4	7		4					4	30		
	Unmarked				0	0	0		0					0	0		
	Total				11	4	7		4					4	30		
Rock Island Dam to Rocky Reach Dam	Marked			7	25	109	112		18	28	4				303		
	Unmarked			0	0	4	4		0	4	0				12		
	Total			7	25	113	116		18	32	4				315		
Rocky Reach Dam to Wells Dam	Marked				28	127	105		35	14	7	4	46	53	419		
	Unmarked				0	0	0		0	0	0	0	0	3	3		
	Total				28	127	105		35	14	7	4	46	56	422		

COLUMBIA RIVER AND TRIBUTARIES																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
COLUMBIA RIVER SYSTEM (Continued)	Wells Dam to Chief Joseph Dam	Marked			4	60	253	309	141	25	7	7	4		810	
		Unmarked			0	0	0	0	0	0	0	0	0		0	
		Total			4	60	253	309	141	25	7	7	4		810	
	Chief Joseph Dam to Grand Coulee Dam	Marked					4							4		
		Unmarked					3							3		
		Total					7							7		
	Columbia River System	Marked	155	1,488	3,214	4,551	2,048	1,475	986	396	93	24	103	76	14,568	41
		Unmarked	3	21	18	85	99	51	18	14	0	0	3	5	313	4
		Total	158	1,509	3,232	4,636	2,147	1,526	1,004	410	93	24	106	81	14,881	45
COWLITZ RIVER SYSTEM	Coweeman River	Marked		3	3	3				3	46	23			9	72
		Unmarked		0	0	0				0	3	0			0	3
		Total		3	3	3				3	49	23			9	75
	Cowlitz River	Marked	198	973	2,588	2,531	1,655	1,328	1,057	1,926	443	314	437	521	9,273	4,698
		Unmarked	15	57	97	79	39	49	26	52	15	6	6	20	336	125
		Total	213	1,030	2,685	2,610	1,694	1,377	1,083	1,978	458	320	443	541	9,609	4,823
	Green River	Marked		90	165	102	57	12		3	3	3	3	6	426	18
		Unmarked		3	3	3	0	0		0	0	0	0	0	9	0
		Total		93	168	105	57	12		3	3	3	3	6	435	18
	Olequa Creek	Marked			6	3					3				9	3
		Unmarked			0	0					0				0	0
		Total			6	3					3				9	3
Tilton River	Marked								20	92	43				155	
	Unmarked								3	0	0				3	
	Total								23	92	43				158	
Toutle River	Marked		6		3	3				3				12	3	
	Unmarked		0		0	0				0				0	0	
	Total		6		3	3				3				12	3	
Toutle River, North Fork	Marked									3					3	
	Unmarked									0					0	
	Total									3					3	
Toutle River, South Fork	Marked		548	269	132	192	102	98	9	9	6	3		1,243	125	
	Unmarked		0	0	3	3	0	0	0	0	3	0		6	3	
	Total		548	269	135	195	102	98	9	9	9	3		1,249	128	
Cowlitz River System	Marked	198	1,620	3,031	2,774	1,907	1,442	1,155	1,961	602	389	443	527	10,972	5,077	
	Unmarked	15	60	100	85	42	49	26	55	18	9	6	20	351	134	
	Total	213	1,680	3,131	2,859	1,949	1,491	1,181	2,016	620	398	449	547	11,323	5,211	

Table 33. 1996-97 Steelhead Sport Catch, by Area and Month																
COLUMBIA RIVER AND TRIBUTARIES																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
ELOCHOMAN RIVER SYSTEM	Elochoman River	Marked	42	30	8	9	12	120	487	363	57	18	9	101	1,054	
		Unmarked	1	0	0	0	0	0	27	9	18	0	0	1	54	
		Total	43	30	8	9	12	120	514	372	75	18	9	102	1,108	
ENTIAT RIVER SYSTEM	Entiat River	Marked					51	136				85	34	306		
		Unmarked					0	0				0	0	0		
		Total					51	136				85	34	306		
GERMANY CREEK SYSTEM	Germany Creek	Marked	4						22	4				4	26	
		Unmarked	0						0	3				0	3	
		Total	4						22	7				4	29	
GRANDE RONDE RIVER SYSTEM	Grande Ronde River	Marked	9				95	463	406	345	392	662	709	241	3,322	
		Unmarked	0				0	24	0	0	0	0	9	0	33	
		Total	9				95	487	406	345	392	662	718	241	3,355	
GRAYS RIVER SYSTEM	Grays River & WF	Marked					8		25	25	32	36	4	8	122	
		Unmarked					0		0	0	0	4	0	0	4	
		Total					8		25	25	32	40	4	8	126	
HAMILTON CREEK SYSTEM	Hamilton Creek	Marked							4	4					8	
		Unmarked							0	0					0	
		Total							4	4					8	
KALAMA RIVER SYSTEM	Gobar Creek	Marked					9	34	24	21	6	12	3	43	66	
		Unmarked					0	14	6	0	0	0	0	14	6	
		Total					9	48	30	21	6	12	3	57	72	
	Kalama River	Marked	102	296	307	125	97	42	33	54	72	36	9	114	969	318
		Unmarked	3	0	3	9	3	6	0	0	0	18	3	6	24	27
		Total	105	296	310	134	100	48	33	54	72	54	12	120	993	345
Kalama River System	Marked	102	296	307	125	106	76	57	75	78	48	12	114	1,012	384	
	Unmarked	3	0	3	9	3	20	6	0	0	18	3	6	38	33	
	Total	105	296	310	134	109	96	63	75	78	66	15	120	1,050	417	
KLICKITAT RIVER SYSTEM	Klickitat River	Marked	3	76	96	238	132	40	13					10	608	
		Unmarked	0	0	0	7	7	0	0	0				0	14	
		Total	3	76	96	245	139	40	13					10	622	
LEWIS RIVER SYSTEM	Cedar Creek	Marked		4	4	4	4			4				16	4	
		Unmarked		0	0	0	0			0				0	0	
		Total		4	4	4	4			4				16	4	
	Lewis River	Marked	11	14			18	4		12					47	12
Total		11	14			18	7		12					50	12	

COLUMBIA RIVER AND TRIBUTARIES																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
LEWIS RIVER SYSTEM (Continued)	Lewis River, East Fork	Marked	113	198	127	53	28	18	27	76	142	42	4	23	537	314
		Unmarked	11	7	4	21	4	3	8	8	19	4	0	0	50	39
		Total	124	205	131	74	32	21	35	84	161	46	4	23	587	353
	Lewis River, North Fork	Marked	14	431	396	244	71	42	42	323	307	161	84	61	1,198	978
		Unmarked	4	11	7	4	0	0	4	15	0	0	0	0	26	19
		Total	18	442	403	248	71	42	46	338	307	161	84	61	1,224	997
	Lewis River System	Marked	127	640	541	301	121	68	69	411	453	203	88	84	1,798	1,308
		Unmarked	15	18	11	25	4	6	12	23	19	4	0	0	79	58
		Total	142	658	552	326	125	74	81	434	472	207	88	84	1,877	1,366
LITTLE WHITE SALMON RIVER SYSTEM	Little White Salmon River	Marked		3	82	900	697	27						1,709		
		Unmarked		0	0	36	18	0						54		
		Total		3	82	936	715	27							1,763	
METHOW RIVER SYSTEM	Methow River	Marked			3	8	160	104	3			5	20	303		
		Unmarked			0	0	0	3	0			0	0	3		
		Total			3	8	160	107	3			5	20	306		
OKANOGAN RIVER SYSTEM	Okanogan River	Marked					24	85	4					113		
		Unmarked					0	12	12					24		
		Total					24	97	16					137		
	Similkameen River	Marked					8	16			4		113		141	
		Unmarked					0	0			0		0		0	
		Total					8	16			4		113		141	
	Okanogan River System	Marked					32	101	4		4		113		254	
		Unmarked					0	12	12		0		0		24	
		Total					32	113	16		4		113		278	
ROCK CREEK SYSTEM	Rock Creek	Marked							4					4		
		Unmarked							0					0		
		Total							4					4		
SALMON CREEK SYSTEM	Salmon Creek	Marked								7	36	29			72	
		Unmarked								0	0	0			0	
		Total								7	36	29			72	
SKAMOKAWA CREEK SYSTEM	Skamokawa Creek	Marked						4						4		
		Unmarked						0						0		
		Total						4						4		
SNAKE RIVER SYSTEM	Below Ice Harbor Dam	Marked					12	37	32	4				85		
		Unmarked					0	0	5	0				5		
		Total					12	37	37	4				90		

Table 33. 1996-97 Steelhead Sport Catch, by Area and Month																
COLUMBIA RIVER AND TRIBUTARIES																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
SNAKE RIVER SYSTEM (Continued)	Ice Harbor Dam to L. Monumental Dam	Marked				4	220	546	644	575	29	4	4	4	2,030	
		Unmarked				0	0	0	29	12	0	0	0	0	41	
		Total				4	220	546	673	587	29	4	4	4	2,071	
	L. Monumental Dam to Little Goose Dam	Marked					1,235	1,533	1,064	811	41	61	163	4,908		
		Unmarked					21	16	33	12	0	0	4	86		
	Total						1,256	1,549	1,097	823	41	61	167	4,994		
	Little Goose Dam to Lower Granite Dam	Marked					196	224	163	212	12		8	815		
Unmarked						4	4	4	4	0		0	16			
Total						200	228	167	216	12		8	831			
Lower Granite Dam To Clarkston	Marked			4	8	497	501	411	98		4	33	1,556			
	Unmarked			0	0	45	102	33	12		0	0	192			
Total				4	8	542	603	444	110		4	33	1,748			
Snake River above Clarkston	Marked					216	1,647	1,125	265	4		24	4	3,285		
	Unmarked					0	37	29	8	0		0	0	74		
Total						216	1,684	1,154	273	4		24	4	3,359		
Snake River System	Marked			4	12	2,376	4,488	3,439	1,965	86	69	232	8	12,679		
	Unmarked			0	0	70	159	133	48	0	0	4	0	414		
Total				4	12	2,446	4,647	3,572	2,013	86	69	236	8	13,093		
TUCANNON RIVER SYSTEM	Tucannon River	Marked				106	202	108	182	164	35	28	5	830		
		Unmarked				0	0	3	0	3	0	0	0	6		
Total						106	202	111	182	167	35	28	5	836		
WALLA WALLA RIVER SYSTEM	Mill Creek	Marked							4	8	28	53	8	101		
		Unmarked							0	0	0	0	0	0		
		Total							4	8	28	53	8	101		
	Touchet River and North Fork	Marked							45	4	12	53	151	20	285	
		Unmarked							0	0	0	4	0	0	4	
	Total								45	4	12	57	151	20	289	
	Walla Walla River	Marked					183	293	227	257	248	142	85	28	1,463	
Unmarked						0	12	25	28	0	0	0	0	65		
Total						183	305	252	285	248	142	85	28	1,528		
Walla Walla River System	Marked					183	293	272	265	268	223	289	56	1,849		
	Unmarked					0	12	25	28	0	4	0	0	69		
Total						183	305	297	293	268	227	289	56	1,918		
WASHOUGAL RIVER SYSTEM	Washougal River	Marked	85	196	88	8	38	8		22	97	68	7	4	423	198
		Unmarked	0	0	0	0	4	0		0	7	11	0	3	4	21
		Total	85	196	88	8	42	8		22	104	79	7	7	427	219

COLUMBIA RIVER AND TRIBUTARIES																	
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total		
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter	
WASHOUGAL RIVER SYSTEM (Continued)	Washougal River, West Fork	Marked	4	50	19	15	23	15	7		11				126	18	
		Unmarked	0	0	0	0	0	0	0	0	0				0	0	
		Total	4	50	19	15	23	15	7		11				126	18	
	Little Washougal River	Marked		8	4										12		
		Unmarked		0	0										0		
		Total		8	4										12		
	Washougal River System	Marked	89	254	111	23	61	23	7	22	108	68	7	4	561	216	
		Unmarked	0	0	0	0	4	0	0	0	0	7	11	0	3	4	21
		Total	89	254	111	23	65	23	7	22	115	79	7	7	565	237	
WENATCHEE RIVER SYSTEM	Icicle Creek	Marked											4		4		
		Unmarked											0		0		
		Total											4		4		
	Wenatchee River	Marked		4		17	77	64	103	94	51	60	47		517		
		Unmarked		0		0	0	0	0	0	0	0	9		9		
		Total		4		17	77	64	103	94	51	60	56		526		
	Wenatchee River System	Marked		4		17	77	64	103	94	51	60	51		521		
		Unmarked		0		0	0	0	0	0	0	0	9		9		
		Total		4		17	77	64	103	94	51	60	60		530		
WHITE SALMON RIVER SYSTEM	Big White Salmon River	Marked	5		290	1,435	701	23		5					2,459		
		Unmarked	0		0	33	5	0		0					38		
		Total	5		290	1,468	706	23		5					2,497		
WIND RIVER SYSTEM	Wind River	Marked		41	93	208	115	37	15	7		4		15	535		
		Unmarked		0	0	19	0	0	0	0	0		0		0	19	
		Total		41	93	227	115	37	15	7		4		15	554		
YAKIMA RIVER SYSTEM	Yakima River	Marked								8	12				20		
		Unmarked								0	0				0		
		Total								8	12				20		
COLUMBIA RIVER AND TRIBUTARY SYSTEMS TOTALS		Marked	688	4,468	7,818	10,644	8,985	9,082	6,790	6,259	2,768	2,001	2,151	1,149	54,491	8,312	
		Unmarked	36	100	132	299	252	336	235	195	56	71	34	34	1,469	311	
		Total	724	4,568	7,950	10,943	9,237	9,418	7,025	6,454	2,824	2,072	2,185	1,183	55,960	8,623	

Table 33. 1996-97 Steelhead Sport Catch, by Area and Month (continued)																	
COAST RIVERS AND MARINE CATCH AREAS																	
System	Catch Area	Marked/ Unmarked Total	Summer 1996						Winter 1996-97						Total		
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter	
BEAR RIVER SYSTEM	Bear River	Marked									3	3				6	
		Unmarked									0	0				0	
		Total									3	3				6	
CEDAR CREEK SYSTEM*	Cedar Creek	Marked								3	5					8	
		Unmarked								0	0					0	
		Total								3	5					8	
CHEHALIS RIVER SYSTEM*	Chehalis River	Marked			3	5		5	10	15	125	117	61	3	13	331	
		Unmarked			0	0		0	0	0	5	0	0	2	0	7	
		Total			3	5		5	10	15	130	117	61	5	13	338	
	Chehalis River, South Fork	Marked								3						3	
		Unmarked								0						0	
		Total								3						3	
	Cloquallam Creek	Marked									3	3				6	
		Unmarked									0	2				2	
		Total									3	5				8	
	Newaukum River and North Fork	Marked								3	3	31	61			98	
		Unmarked								0	0	0	0			0	
		Total								3	3	31	61			98	
	Satsop River and Middle Fork and East Fork	Marked		3	5	5				5	5	10	28	5		13	53
		Unmarked		0	0	0				0	0	0	0	0		0	0
Total			3	5	5				5	5	10	28	5		13	53	
Satsop River, West Fork	Marked								3			10				13	
	Unmarked								0			0				0	
	Total								3			10				13	
Skookumchuck River	Marked	16				3				8	18	153	415	319	19	913	
	Unmarked	0				0				0	5	0	0	15	0	20	
	Total	16				3				8	23	153	415	334	19	933	
Wishkah River	Marked									3	10	18	3			34	
	Unmarked									0	0	5	0			5	
	Total									3	10	23	3			39	
Wynoochee River	Marked		220	252	234	210	116		112	273	397	408	142	3	1,032	1,335	
	Unmarked		8	3	5	0	3		0	5	18	15	3	0	19	41	
	Total		228	255	239	210	119		112	278	415	423	145	3	1,051	1,376	
Chehalis River System	Marked	16	223	260	247	210	121		136	304	566	768	687	325	1,077	2,786	
	Unmarked	0	8	3	5	0	3		0	5	28	22	3	17	19	75	
	Total	16	231	263	252	210	124		136	309	594	790	690	342	1,096	2,861	

COAST RIVERS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
COPALIS RIVER SYSTEM*	Copalis River	Marked			13										13	
		Unmarked			0										0	
		Total			13										13	
ELK RIVER SYSTEM*	Elk River	Marked								10	10					20
		Unmarked								3	0					3
		Total								13	10					23
GOODMAN CREEK SYSTEM*	Goodman Creek	Marked				23				25	60	75	15		23	175
		Unmarked				0				0	5	25	10		0	40
		Total				23				25	65	100	25		23	215
HOH RIVER SYSTEM*	Hoh River	Marked	11	31	96	54	3		12	98	279	276	118	195	783	
		Unmarked	14	0	6	0	0		0	24	45	105	105	20	279	
		Total	25	31	102	54	3		12	122	324	381	223	215	1,062	
HOQUIAM RIVER SYSTEM*	Hoquiam River	Marked								3	10				13	
		Unmarked								0	0				0	
		Total								3	10				13	
HUMPTULIPS RIVER SYSTEM*	Humptulips River	Marked	3	6	6	17	17		29	142	218	131	29	49	549	
		Unmarked	0	0	0	0	0		0	11	14	0	11	0	36	
		Total	3	6	6	17	17		29	153	232	131	40	49	585	
	Humptulips River, East Fork	Marked					3	3		4	11	4		6	19	
		Unmarked					0	0		0	0	0		0	0	
		Total					3	3		4	11	4		6	19	
	Humptulips River, West Fork	Marked			3							4		3	4	
Unmarked				0							3		0	3		
	Total			3							7		3	7		
Humptulips River System	Marked	3	9	6	20	20		29	146	229	139	29	58	572		
	Unmarked	0	0	0	0	0		0	11	14	3	11	0	39		
	Total	3	9	6	20	20		29	157	243	142	40	58	611		
JOHNS RIVER SYSTEM	Johns River	Marked							41	8				49		
		Unmarked							3	0				3		
		Total							44	8				52		
KALALOCH CREEK SYSTEM*	Kalaloch Creek	Marked			17					3	5	3		17	11	
		Unmarked			0					0	0	0		0	0	
		Total			17					3	5	3		17	11	
MOSQUITO CREEK SYSTEM*	Mosquito Creek	Marked								15	5				20	
		Unmarked								3	5				8	
		Total								18	10				28	

COAST RIVERS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
NASELLE RIVER SYSTEM	Naselle River	Marked					11		20	108	28	10	3	11	169	
		Unmarked					0		8	39	78	91	0	0	216	
		Total					11		28	147	106	101	3	11	385	
	Salmon Creek	Marked							5	3	3				11	
		Unmarked							0	0	0				0	
		Total							5	3	3				11	
Naselle River System	Marked					11		25	111	31	10	3	11	180		
	Unmarked					0		8	39	78	91	0	0	216		
	Total					11		33	150	109	101	3	11	396		
NEMAH RIVER SYSTEM	Nemah River, North & Middle & South Forks	Marked						8	13	16	10			47		
		Unmarked						0	21	10	0			31		
		Total						8	34	26	10			78		
	Williams Creek	Marked					4							4		
		Unmarked					0							0		
		Total					4							4		
Nemah River System	Marked					4		8	13	16	10		4	47		
	Unmarked					0		0	21	10	0		0	31		
	Total					4		8	34	26	10		4	78		
NORTH RIVER SYSTEM	North River	Marked					4		28	34	29	5	4	96		
		Unmarked					0		8	57	67	0	0	132		
		Total					4		36	91	96	5	4	228		
	Smith Creek	Marked						4	3	3	5	10		4	21	
		Unmarked						0	0	0	5	13		0	18	
		Total						4	3	3	10	23		4	39	
North River System	Marked					4	4	3	31	39	39	5	8	117		
	Unmarked					0	0	0	8	62	80	0	0	150		
	Total					4	4	3	39	101	119	5	8	267		
OZETTE RIVER SYSTEM*	Big River	Marked		4		4							8	3		
		Unmarked		0		0							0	0		
		Total		4		4							8	3		
PALIX RIVER SYSTEM	Palix River	Marked					4			3	10		4	13		
		Unmarked					0			0	0		0	0		
		Total					4			3	10		4	13		
QUEETS RIVER SYSTEM*	Clearwater River	Marked						4	4	8	16	8	4		44	
		Unmarked						8	0	8	37	33	33		119	
		Total						12	4	16	53	41	37		163	

COAST RIVERS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996					Winter 1996-97					Total			
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
QUEETS RIVER SYSTEM* (Continued)	Queets River	Marked					8	15	57	45	4	4	4	4	23	118
		Unmarked					0	0	0	28	37	77	0	0	0	142
		Total					8	15	57	73	41	81	4	4	23	260
	Salmon River	Marked							73	85	65	20				243
		Unmarked							33	49	57	8				147
		Total							106	134	122	28				390
Queets River System	Marked					8	15	134	134	77	40	12	8	23	405	
	Unmarked					0	0	41	77	102	122	33	33	0	408	
	Total					8	15	175	211	179	162	45	41	23	813	
QUILLAYUTE RIVER SYSTEM*	Calawah River & South Fork	Marked		18	26	22	72	120	202	132	66	0	0	11	258	411
		Unmarked		0	0	0	0	4	7	5	9	16	11	57	4	105
		Total		18	26	22	72	124	209	137	75	16	11	68	262	516
	Dickey River	Marked							4		3	1	1			9
		Unmarked							0		0	2	3			5
		Total							4		3	3	4			14
	Quillayute River & Bogachiel River	Marked		6	6	8	14	28	393	650	423	74	12	21	62	1,573
		Unmarked		0	0	2	2	0	14	49	126	322	418	270	4	1,199
		Total		6	6	10	16	28	407	699	549	396	430	291	66	2,772
	Sol Duc River	Marked		2	4	8	30	22	47	16	49	29	14	25	66	180
Unmarked			4	0	4	0	6	0	31	178	336	446	220	14	1,211	
Total			6	4	12	30	28	47	47	227	365	460	245	80	1,391	
Quillayute River System	Marked		26	36	38	116	170	646	798	541	104	27	57	386	2,173	
	Unmarked		4	0	6	2	10	21	85	313	676	878	547	22	2,520	
	Total		30	36	44	118	180	667	883	854	780	905	604	408	4,693	
QUINAULT RIVER SYSTEM*	Quinault River, Lower & Cook Creek	Marked						15	528	224	38	30	1		836	
		Unmarked						1	2	1	25	80	17		126	
		Total						16	530	225	63	110	18		962	
	Quinault River, Upper	Marked							17	4	42	25			88	
		Unmarked							0	17	47	140			204	
		Total							17	21	89	165			292	
Quinault River System	Marked						15	545	228	80	55	1		924		
	Unmarked						1	2	18	72	220	17		330		
	Total						16	547	246	152	275	18		1,254		
SUEZ (SOOES) RIVER SYSTEM*	Suez (Sooes) River	Marked						3	5						8	
		Unmarked						0	0						0	
		Total						3	5						8	

COAST RIVERS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
WILLAPA RIVER SYSTEM	Willapa River	Marked					6		3	63	58	64	11		6	199
		Unmarked					0		0	11	8	40	18		0	77
		Total					6		3	74	66	104	29		6	276
	Willapa River, South Fork	Marked					6		5	5	13	8	5		6	36
		Unmarked					0		0	0	3	0	0		0	3
		Total					6		5	5	16	8	5		6	39
	Willapa River System	Marked					12		8	68	71	72	16		12	235
		Unmarked					0		0	11	11	40	18		0	80
		Total					12		8	79	82	112	34		12	315
MARINE CATCH AREAS*	Area 2: Westport	Marked			8	3									11	
		Unmarked			0	0									0	
		Total			8	3									11	
	Area 3: Quillayute River	Marked							8			4				12
		Unmarked							0			0				0
		Total							8			4				12
	Marine Catch Areas Totals	Marked			8	3			8			4			11	12
		Unmarked			0	0			0			0			0	0
		Total			8	3			8			4			11	12
COASTAL RIVER SYSTEMS AND MARINE CATCH AREA TOTALS		Marked	16	267	357	434	443	333	1,022	2,282	2,288	1,605	969	394	1,850	8,560
		Unmarked	0	26	3	17	2	13	63	242	681	1,223	1,359	614	61	4,182
		Total	16	293	360	451	445	346	1,085	2,524	2,969	2,828	2,328	1,008	1,911	12,742

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																		
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total			
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter		
BURLEY CREEK SYSTEM*	Burley Creek	Marked				9	4							3		13	3	
		Unmarked				0	0							0		0	0	
		Total				9	4							3		13	3	
CHUCKANUT RIVER SYSTEM*	Chuckanut River	Marked							9	3						9	3	
		Unmarked							0	0						0	0	
		Total							9	3						9	3	
CLALLAM RIVER SYSTEM*	Clallam River	Marked				18					11	19	11			18	41	
		Unmarked				0					0	0	16			0	16	
		Total				18					11	19	27			18	57	
COULTER CREEK SYSTEM*	Coulter Creek	Marked		13	13	4					5					30	5	
		Unmarked		0	0	0					0					0	0	
		Total		13	13	4					5					30	5	
CURLEY CREEK SYSTEM*	Curley Creek	Marked		4	14	9		4				3	3			31	6	
		Unmarked		0	4	0		0				0	0			4	0	
		Total		4	18	9		4				3	3			35	6	
DAKOTA CREEK SYSTEM*	Dakota Creek	Marked							4							4		
		Unmarked							0							0		
		Total							4							4		
DEEP CREEK SYSTEM*	Deep Creek	Marked			4											4		
		Unmarked			0											0		
		Total			4											4		
DESCHUTES RIVER SYSTEM*	Deschutes River	Marked				9	13	4			3					26	3	
		Unmarked				0	0	0			0					0	0	
		Total				9	13	4			3					26	3	
	Percival Creek	Marked										3						3
		Unmarked										0						0
		Total										3						3
	Deschutes River System	Marked				9	13	4				3	3				26	6
		Unmarked				0	0	0				0	0				0	0
		Total				9	13	4				3	3				26	6
DOSEWALLIPS RIVER SYSTEM*	Dosewallips River	Marked		4									3			4	3	
		Unmarked		0									0			0	0	
		Total		4									3			4	3	
DUCKABUSH RIVER SYSTEM*	Duckabush River	Marked								3	3	3					9	
		Unmarked								0	0	0					0	
		Total								3	3	3					9	

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																		
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total			
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter		
DUNGENESS RIVER SYSTEM*	Dungeness River	Marked		5					18	11	55	19	41			23	126	
		Unmarked		4					0	0	0	0	0			4	0	
		Total		9					18	11	55	19	41			27	126	
EAST TWIN RIVER SYSTEM*	East Twin River	Marked										3					3	
		Unmarked										0					0	
		Total										3					3	
ELWHA RIVER SYSTEM*	Elwha River	Marked		39	11	11	6	6		47	166	32	26	3		73	274	
		Unmarked		6	17	6	0	0		0	115	15	71	0		29	201	
		Total		45	28	17	6	6		47	281	47	97	3		102	475	
GREEN-DUWAMISH RIVER SYSTEM*	Green-Duwamish River	Marked		95	301	315	273	223		253	226	175	87	59		1,207	800	
		Unmarked		9	13	9	16	22		41	15	48	10	13		69	127	
		Total		104	314	324	289	245		294	241	223	97	72		1,276	927	
HOKO RIVER SYSTEM*	Hoko River	Marked								3	75	44	31	5			158	
		Unmarked								2	13	41	91	67			214	
		Total								5	88	85	122	72			372	
KENNEDY CREEK SYSTEM*	Kennedy Creek	Marked				4										4		
		Unmarked				0										0		
		Total				4										4		
LAKE WASHINGTON SYSTEM*	Cedar River	Marked			4											4		
		Unmarked			0											0		
		Total			4											4		
	Issaquah Creek	Marked		4												4		
		Unmarked		0												0		
		Total		4												4		
	Lake Washington	Marked			4											4		
		Unmarked			0											0		
		Total			4											4		
	Sammamish River	Marked							4			3	3			4	6	
		Unmarked							0			0	2			0	2	
		Total							4			3	5			4	8	
Lake Washington System	Marked		4	8				4			3	3			16	6		
	Unmarked		0	0				0			0	2			0	2		
	Total		4	8				4			3	5			16	8		
LYRE RIVER SYSTEM*	Lyre River	Marked		7	100	114	44	96		277	374	169	61		361	881		
		Unmarked		0	0	0	0	0		0	7	4	0		0	11		
		Total		7	100	114	44	96		277	381	173	61		361	892		

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
MCLANE CREEK SYSTEM*	McLane Creek	Marked														
		Unmarked								3						3
		Total								0						0
MISSION CREEK SYSTEM*	Mission Creek	Marked														
		Unmarked								3						3
		Total								0						0
MORSE CREEK SYSTEM*	Morse Creek	Marked				4			8	52	60	27			4	147
		Unmarked				0			0	0	3	0			0	3
		Total				4			8	52	63	27			4	150
NISQUALLY RIVER SYSTEM*	Nisqually River	Marked								5						5
		Unmarked								0						0
		Total								5						5
NOOKSACK RIVER SYSTEM*	Nooksack River, Middle Fork	Marked								3	19	3	3			28
		Unmarked								0	0	0	0			0
		Total								3	19	3	3			28
	Nooksack River, North Fork	Marked								3	3	3	3			12
		Unmarked								0	0	0	0			0
		Total								3	3	3	3			12
	Nooksack River, mainstem only	Marked						9		5	8	35	11		9	59
		Unmarked						0		0	0	14	5		0	19
		Total						9		5	8	49	16		9	78
	Nooksack River System	Marked						9		11	30	41	17		9	99
		Unmarked						0		0	0	14	5		0	19
		Total						9		11	30	55	22		9	118
PUYALLUP RIVER SYSTEM*	Carbon River	Marked			3	2	1				10	13	3		6	26
		Unmarked			1	1	0				0	0	0		2	0
		Total			4	3	1				10	13	3		8	26
	Puyallup River	Marked					1	4	15	56	116	53	28		5	268
		Unmarked						0	0	18	8	10	0		10	36
		Total					11	4	15	74	124	63	28		15	304
	South Prairie Creek	Marked										3				3
		Unmarked										0				0
		Total										3				3
	Stuck River	Marked							5		3	10				18
		Unmarked							0		0	0				0
		Total							5		3	10				18

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
PUYALLUP RIVER SYSTEM* (Continued)	Puyallup River System	Marked			3	2	2	4	20	56	129	79	31	11	315	
		Unmarked			1	1	10	0	0	18	8	10	0	12	36	
		Total			4	3	12	4	20	74	137	89	31	23	351	
PYSHT RIVER SYSTEM*	Pysht River	Marked							5	14	14	19		52		
		Unmarked							0	8	16	112		136		
		Total							5	22	30	131		188		
SALT CREEK SYSTEM*	Salt Creek	Marked					18	13	5	5	5			31	15	
		Unmarked					0	0	0	0	0			0	0	
		Total					18	13	5	5	5			31	15	
SAMISH RIVER SYSTEM*	Samish River	Marked								14	24	19	11		68	
		Unmarked								5	3	3	3		14	
		Total								19	27	22	14		82	
SEKIU RIVER SYSTEM*	Sekiu River	Marked		4				4		3	8	11		8	22	
		Unmarked		0				0		2	11	3		0	16	
		Total		4				4		5	19	14		8	38	
SIEBERT CREEK SYSTEM*	Siebert Creek	Marked									3				3	
		Unmarked									0				0	
		Total									3				3	
SKAGIT RIVER SYSTEM*	Cascade River	Marked		5	5				14	63	100	77		10	254	
		Unmarked		0	0				0	5	0	5		0	10	
		Total		5	5				14	68	100	82		10	264	
	Sauk River	Marked		10	5	19	5	6	5	5	72	50	5	5	45	142
		Unmarked		0	0	5	0	13	0	9	23	209	0	0	18	241
		Total		10	5	24	5	19	5	14	95	259	5	5	63	383
	Skagit River	Marked		34	19	82	39	10	36	340	658	336	73	184	1,443	
		Unmarked		10	0	5	0	0	14	41	209	1,026	68	15	1,358	
		Total		44	19	87	39	10	50	381	867	1,362	141	199	2,801	
	Skagit River System	Marked		49	29	101	44	16	55	408	830	463	78	5	239	1,839
		Unmarked		10	0	10	0	13	14	55	232	1,240	68	0	33	1,609
		Total		59	29	111	44	29	69	463	1,062	1,703	146	5	272	3,448
SKOKOMISH RIVER SYSTEM*	Skokomish River & South Fork & North Fork	Marked				4		22		3	3	3	3	8	26	20
		Unmarked				0		0		0	0	2	0	0	0	2
		Total				4		22		3	3	5	3	8	26	22
Vance Creek	Vance Creek	Marked								3						3
		Unmarked								0						0
		Total								3						3

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																	
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total		
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter	
SKOKOMISH RIVER SYSTEM* (Continued)	Skokomish River System	Marked				4		22			6	3	3	3	8	26	23
		Unmarked				0		0			0	0	2	0	0	0	2
		Total				4		22			6	3	5	3	8	26	25
SKOOKUM CREEK SYSTEM*	Skookum Creek	Marked										3		14		17	
		Unmarked										0		0		0	
		Total										3		14		17	
SNOHOMISH RIVER SYSTEM*	Pilchuck River	Marked								18	17	22				57	
		Unmarked								7	27	26				60	
		Total								25	44	48				117	
	Raging River	Marked						44	34	29	38	8	8		44	117	
		Unmarked						0	0	0	0	2	0		0	2	
		Total						44	34	29	38	10	8		44	119	
	Skykomish River	Marked	4	311	468	1,140	600	427	316	298	570	240	65	4	2,950	1,493	
		Unmarked	0	24	24	49	41	8	4	3	36	54	0	0	146	97	
		Total	4	335	492	1,189	641	435	320	301	606	294	65	4	3,096	1,590	
	Skykomish River, North Fork	Marked		4	32	56	28	4	12	15	17	10	8		124	62	
		Unmarked		0	0	0	0	4	11	0	0	2	0		4	13	
		Total		4	32	56	28	8	23	15	17	12	8		128	75	
Skykomish River, South Fork	Marked		4	4	12	32		4	14	2				52	20		
	Unmarked		0	0	0	4		4	0	0				4	4		
	Total		4	4	12	36		8	14	2				56	24		
Snohomish River	Marked		48	85	8	8	12	84	45	112	12			161	253		
	Unmarked		0	0	0	0	0	0	0	48	35			0	83		
	Total		48	85	8	8	12	84	45	160	47			161	336		
Snoqualmie River	Marked		8	69	145	133	52	42	279	269	59	30		407	679		
	Unmarked		0	8	12	0	4	0	4	9	11	4		24	28		
	Total		8	77	157	133	56	42	283	278	70	34		431	707		
Sultan River	Marked			4				4	10	30	12	4		4	60		
	Unmarked			0				0	5	9	4	0		0	18		
	Total			4				4	15	39	16	4		4	78		
Tokul Creek	Marked								27	73	32	15			147		
	Unmarked								0	0	2	0			2		
	Total								27	73	34	15			149		
Tolt River	Marked					4	12		40	28	26			16	94		
	Unmarked					0	0		0	3	2			0	5		
	Total					4	12		40	31	28			16	99		

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
SNOHOMISH RIVER SYSTEM* (Continued)	Wallace River	Marked							8	9	10	2				
		Unmarked							7	0	0	0				
		Total							15	9	10	2				
	Woods Creek & West Fork	Marked					4	4						4	4	
		Unmarked					0	0						0	0	
		Total					4	4						4	4	
	Snohomish River System	Marked	4	375	662	1,361	809	551	508	784	1,166	423	130	4	3,762	3,015
		Unmarked	0	24	32	61	45	16	26	19	132	138	4	0	178	319
		Total	4	399	694	1,422	854	567	534	803	1,298	561	134	4	3,940	3,334
SQUALICUM CREEK SYSTEM*	Squalicum Creek	Marked												3		3
		Unmarked												0		0
		Total												3		3
STILLAGUAMISH RIVER SYSTEM*	Canyon Creek	Marked		3	7	10	10		16	33	16			30	65	
		Unmarked		0	0	0	0		4	0	12			0	16	
		Total		3	7	10	10		20	33	28			30	81	
	Jim Creek	Marked										4				4
		Unmarked										0				0
		Total										4				4
	Pilchuck Creek	Marked					3	10	16	4					13	20
		Unmarked					0	0	0	0					0	0
		Total					3	10	16	4					13	20
	Stillaguamish River	Marked				3	3	3			8	4			9	12
Unmarked					0	0	0			0	33			0	33	
Total					3	3	3			8	37			9	45	
Stillaguamish River, North Fork	Marked		21	80	62	114	69	37	175	138	121	12		346	483	
	Unmarked		3	3	3	3	0	0	4	12	42	0		12	58	
	Total		24	83	65	117	69	37	179	150	163	12		358	541	
Stillaguamish River, South Fork	Marked		3	14	28	31	31	12		8	4			107	24	
	Unmarked		0	0	0	0	0	0		0	53			0	53	
	Total		3	14	28	31	31	12		8	57			107	77	
Stillaguamish River System	Marked		27	101	103	161	113	65	195	187	149	12		505	608	
	Unmarked		3	3	3	3	0	0	8	12	140	0		12	160	
	Total		30	104	106	164	113	65	203	199	289	12		517	768	
WEST TWIN RIVER SYSTEM*	West Twin River	Marked					4				5			4	5	
		Unmarked					0				3			0	3	
		Total					4				8			4	8	

Table 33. 1996-97 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total	
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Summer	Winter
WHATCOM CREEK SYSTEM*	Whatcom Creek	Marked														
		Unmarked									5	5	5			15
		Total									0	0	0			0
MARINE CATCH AREAS*	Area 5: West Juan de Fuca	Marked				8	8				5	5	10			16
		Unmarked				0	0				0	0	0			0
		Total				8	8				5	5	10			16
	Area 6: East Juan de Fuca	Marked									5	5	10			20
		Unmarked									5	19	0			24
		Total									10	24	10			44
	Area 9: Admiralty Inlet	Marked						8			5	122	73	34	5	8
		Unmarked						0			0	0	0	0	0	0
		Total						8			5	122	73	34	5	8
	Area 10: North Puget Sound	Marked		8												8
Unmarked			0												0	
Total			8												8	
Area 11: Mid-Puget Sound	Marked						38				5				38	
	Unmarked						0				0				0	
	Total						38				5				38	
Area 13: South Puget Sound	Marked											5			5	
	Unmarked											0			0	
	Total											5			5	
Marine Catch Areas	Marked		8			8	54			5	142	83	59	5	70	
	Unmarked		0			0	0			0	5	19	0	0	0	
	Total		8			8	54			5	147	102	59	5	70	
PUGET SOUND, STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS	Marked		4	634	1,246	2,076	1,432	1,100		1,268	2,627	3,023	1,556	371	20	6,492
	Unmarked		0	56	70	90	74	51		83	270	546	1,853	160	0	341
	Total		4	690	1,316	2,166	1,506	1,151		1,351	2,897	3,569	3,419	531	20	6,833

Table 33. 1996-97 Steelhead Sport Catch, by Area and Month (continued)

STATEWIDE STEELHEAD HARVEST SUMMARY, 1996-1997															
System	Catch Area	Marked/ Unmarked	Summer 1996						Winter 1996-97						Total
			May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
NON-BOLDT CASE AREAS	SUMMER 1996	Marked	688	4,468	7,826	10,647	9,020	9,086	5,353	3,254	1,055	1,165	1,579	400	54,541
		Unmarked	36	100	132	299	252	336	191	88	3	4	25	3	1,469
		Total	724	4,568	7,958	10,946	9,272	9,422	5,544	3,342	1,058	1,169	1,604	403	56,010
	WINTER 1996-97	Marked							1,448	3,178	1,961	1,007	613	752	8,959
		Unmarked							44	137	186	275	118	31	791
		Total							1,492	3,315	2,147	1,282	731	783	9,750
BOLDT CASE AREAS*	SUMMER 1996	Marked	20	901	1,595	2,507	1,840	1,429							8,292
		Unmarked	0	82	73	107	76	64							402
		Total	20	983	1,668	2,614	1,916	1,493							8,694
	WINTER 1996-97	Marked							2,279	4,736	5,063	3,000	1,299	411	16,788
		Unmarked							146	482	1,094	2,868	1,410	614	6,614
		Total							2,425	5,218	6,157	5,868	2,709	1,025	23,402
TOTAL	SUMMER 1996	Marked	708	5,369	9,421	13,154	10,860	10,515	5,353	3,254	1,055	1,165	1,579	400	62,833
		Unmarked	36	182	205	406	328	400	191	88	3	4	25	3	1,871
		Total	744	5,551	9,626	13,560	11,188	10,915	5,544	3,342	1,058	1,169	1,604	403	64,704
	WINTER 1996-97	Marked							3,727	7,914	7,024	4,007	1,912	1,163	25,747
		Unmarked							190	619	1,280	3,143	1,528	645	7,405
		Total							3,917	8,533	8,304	7,150	3,440	1,808	33,152
TOTAL RIVERS ⁴			13	51	61	70	85	79	86	115	121	109	72	35	897

* Boldt case area river/stream (Western Washington only).
¹ The majority of the Columbia River System steelhead are summer-runs.
² Winter creel surveys conducted.
³ Winter steelhead catch estimates are from angler surveys conducted by the Quinault Indian Nation.
⁴ Total number of rivers where steelhead were harvested during that month.

Table 34. 1996 Washington Sport Steelhead Fishing, by Residence					
County of Residence	Number of Catch Record Cards	Population of County	Percentage of Catch Record Holders	Total Steelhead	Average Catch Per Catch Record Card
Adams	204	15,400	1.32	194	0.95
Asotin	935	19,600	4.77	1,805	1.93
Benton	3,467	131,000	2.65	3,752	1.08
Chelan	686	61,300	1.12	1,179	1.72
Clallam	2,935	65,000	4.52	4,357	1.48
Clark	6,073	30,3500	2.00	3,820	0.63
Columbia	368	4,200	8.76	433	1.18
Cowlitz	4,855	90,800	5.35	4,260	0.88
Douglas	487	30,400	1.6	1,082	2.22
Ferry	91	7,200	1.26	15	0.16
Franklin	1309	43,700	3.00	2,201	1.68
Garfield	113	2,400	4.71	127	1.12
Grant	397	66,400	0.60	298	0.75
Grays Harbor	2,414	68,200	3.54	2,022	0.84
Island	516	70,300	0.73	366	0.71
Jefferson	272	25,700	1.06	239	0.88
King	13,269	1,628,800	0.81	11,899	0.90
Kitsap	1,909	224,700	0.85	1,410	0.74
Kittitas	204	30,800	0.66	246	1.21
Klickitat	504	18,700	2.70	343	0.68
Lewis	1,921	66,700	2.88	2,469	1.29
Lincoln	221	9,800	2.26	164	0.74
Mason	771	46,700	1.65	410	0.53
Okanogan	187	37500	0.50	90	0.48
Pacific	652	21,100	3.10	485	0.74
Pend Oreille	85	11,100	0.77	37	0.44
Pierce	6,277	665,200	0.94	4707	0.75
San Juan	23	12,400	0.19	22	0.96
Skagit	1,887	95,500	1.98	1,582	0.84
Skamania	193	9,800	1.97	82	0.42
Snohomish	6,753	538,100	1.25	4,968	0.74
Spokane	3,156	406,500	0.78	2,633	0.83
Stevens	323	36,600	0.88	343	1.06
Thurston	3,218	193,100	1.67	2,909	0.90
Wahkiakum	431	3,800	11.34	1,238	2.87
Walla Walla	1955	53,400	3.66	3,820	1.95
Whatcom	1,479	152,800	0.97	1,261	0.85
Whitman	923	41,000	2.25	1,216	1.32
Yakima	4,153	207,600	2.00	3,558	0.86
Washington Total	75,616	5,516,800	1.37	75,042	0.95
Other State Total	4,906	N/A	N/A	4,931	1.01
Canada	49	N/A	N/A	0	0.00
Unknown	12,289	N/A	N/A	20,881	0.70
Grand Total	92,858	N/A	N/A	97,856	1.05

Table 35. 1996 Frequency Distribution of Estimated Steelhead Catch Record Cards and Catch

Number of Steelhead Per Catch Record Card	Number of Cards	Cumulative Number of Cards	Percent Cards	Cumulative Percent Cards	Total Catch	Cumulative Total Catch	Percent Catch	Cumulative Percent Catch
0	65,402	65,402	70.43	70.43	0	0	0.00	0.00
1	10,869	76,271	11.70	82.14	10,776	10,776	11.01	11.01
2	5,228	81,499	5.63	87.77	10,366	21,142	10.59	21.61
3	2,982	84,481	3.21	90.98	8,871	30,013	9.07	30.67
4	1,999	86,480	2.15	93.13	7,929	37,942	8.10	38.77
5	1,419	87,899	1.53	94.66	7,032	44,974	7.19	45.96
6	972	88,871	1.05	95.71	5,781	50,755	5.91	51.87
7	748	89,619	0.81	96.51	5,194	55,949	5.31	57.18
8	469	90,088	0.51	97.02	3,721	59,670	3.80	60.98
9	458	90,546	0.49	97.51	4,087	63,757	4.18	65.15
10	402	90,948	0.43	97.94	3,987	67,744	4.07	69.23
11	357	91,305	0.38	98.33	3,898	71,642	3.98	73.21
12	201	91,506	0.22	98.54	2,392	74,034	2.44	75.66
13	190	91,696	0.20	98.75	2,447	76,481	2.50	78.16
14	145	91,841	0.16	98.91	2,016	78,497	2.06	80.22
15	190	92,031	0.20	99.11	2,824	81,321	2.89	83.10
16	134	92,165	0.14	99.25	2,126	83,447	2.17	85.28
17	112	92,277	0.12	99.37	1,883	85,330	1.92	87.20
18	89	92,366	0.10	99.47	1,595	86,925	1.63	88.83
19	67	92,433	0.07	99.54	1,263	88,188	1.29	90.12
20	67	92,500	0.07	99.62	1,329	89,517	1.36	91.48
21	89	92,589	0.10	99.71	1,861	91,378	1.90	93.38
22	67	92,656	0.07	99.78	1,462	92,840	1.49	94.88
23	89	92,745	0.10	99.88	2,038	94,878	2.08	96.96
24	22	92,767	0.02	99.90	532	95,410	0.54	97.50
25	22	92,789	0.02	99.93	554	95,964	0.57	98.07
26	11	92,800	0.01	99.94	288	96,252	0.29	98.36
27	11	92,811	0.01	99.95	299	96,551	0.31	98.67
29	22	92,833	0.02	99.98	642	97,193	0.66	99.32
30	22	92,855	0.02	100.00	664	97,857	0.68	100.00
Total	92,855		100.00		97,857		100.00	

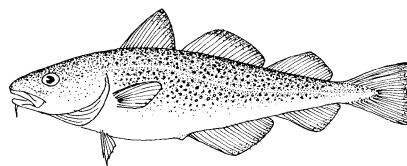
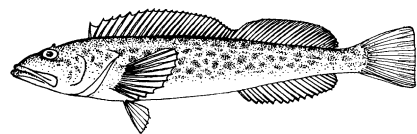
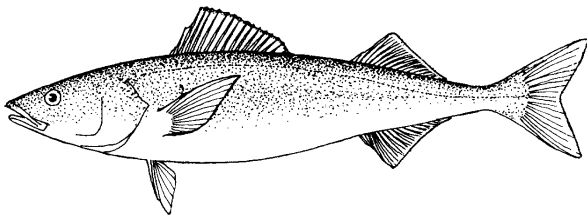
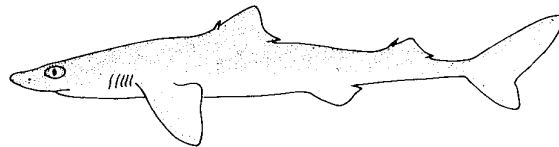
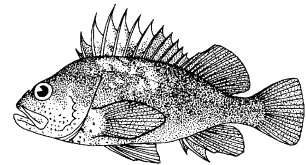
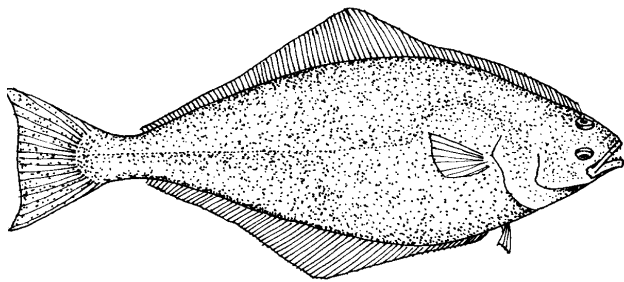
Note: The figures do not accurately multiply across because of a bias adjustment factor and rounding of numbers.

Table 36A. 1996-97 Sport Steelhead Technical Catch Data	
Records on File	Estimates and Calculations
Name and Address File (Num_F1)	14,544
Catch Record Cards In Sample Returns (Totinsrt)	8,630
Correction Data	
Correction Factor (Corrctr) (Percentage of voluntarily returned catch records with matching names and addresses Num_Mtc / Totvol)	762 / 953 = .80 (80%)
Name/Addresses Corrected for Dealer Non-Response (Cor_n_F1) (Num_F1 / Corrctr)	14,544/ .80 = 18,180
Estimated Number of Catch Records Issued (Tot_crc) (Numbook/Corrctr *avg book * 4 books sampled)	865 / .80 x 21.47 = 23,214 x 4 = 92,858
Catch Expansion Factor (Exp_Fctr) Tot_Crc issued / Total in sample returns	92,858 / 8630 = 10.76
Non-response bias adjustment based on telephone survey	1.05

Table 36B. 1996 - 97 Inventory of Catch Record Cards Received											
Response Code*	Number of Cars With Catch		Number of Cards Without Catch		Total Catch	Number of Steelhead			Catch Per Card		
	Catch Records	Reminder Letters	Catch Records	Reminder Letters		Catch Records	Reminder Letters	Total Steelhead	Catch Records	Reminder Letters	Total
1	467	0	500	0	967	2,286	0	2,286	2.36	0.00	2.36
2	876	388	1,421	1,931	4,616	3,472	1,373	4,845	1.51	0.59	1.05
4	148	170	261	775	1,354	486	517	1,003	1.19	0.55	0.74
7	700	0	956	0	1,656	3,463	0	3,463	2.09	0.00	2.09
8	37	0	0	0	37	172	0	172	4.65	0.00	4.65
Total	2,228	558	3,138	2,706	8,630	9,707	1,890	11,597	1.81	0.58	1.34

* Response Codes
1 Prior to any reminder sent
2 After first reminder
4 After second reminder
7 From sporting goods dealers
8 Unknown return data

Marine Fish



Species	Ilwaco	Westport	La Push	Neah Bay	Total
Black Rockfish	8,702	162,940	7,119	53,469	232,230
Canary Rockfish	1,047	3,679	423	4,543	9,692
China Rockfish	48	89	72	2,583	2,792
Yelloweye Rockfish	279	1,789	622	1,825	4,515
Blue Rockfish	135	1,694	88	2,754	4,671
Yellowtail Rockfish	683	15,273	640	3,694	20,290
Copper Rockfish	39	43	14	1,722	1,818
Quillback Rockfish	75	304	79	2,737	3,195
Bocaccio Rockfish	47	57	5	90	199
Vermillion Rockfish	22	12	0	351	385
Tiger Rockfish	7	38	29	142	216
Cabezon	122	316	114	1,797	2,349
Lingcod	770	7,692	1,374	10,068	19,904
Kelp Greenling	63	411	207	5,719	6,400
Pacific Halibut	52	811	125	14,424	15,412
Flatfish (general)	40	59	6	439	544
Pacific Cod	1	3	10	328	342
Cod (general)	1	42	0	2	45
Surfperch (general)	609	264	0	13	886
Skates & Rays	6	217	0	25	248
Rockfish (general)	28	30	0	210	268
Tuna	34	5,015	0	0	5,049
Miscellaneous	27	1,547	203	1,248	3,025
TOTAL	12,837	202,325	11,130	108,183	334,475

Year	South Coast Catch Areas 1-2	North Coast Catch Areas 3-4
1989	368	11,373
1990	392	4,958
1991	433	4,823
1992	1,740	6,870
1993	539	5,009
1994	651	2,876
1995	884	4,224
1996	887	4,431

Table 39. 1996 Sport Bottomfish Catch by Boat-Based Anglers in Puget Sound

Species	Catch Record Area									Puget Sound Total
	5	6	7	8	9	10	11	12	13	
Pacific halibut										1,587
Flatfishes except halibut	433	189	2,293	22,134	18,389	31,083	6,794		12,891	94,206
Sablefish			7							7
Lingcod	628	116	389	355	105	130	212		420	2,355
Rockfishes	16,409	3,061	8,972	5,000	64,423	5,193	2,960	89	806	96,913
Pacific cod	263	9	3			60				335
Walleye pollock						9				9
Surfperches			80	6,524		2,109			9	8,722
Sculpins	321		261	117	70	306	237		200	1,512
Spiny dogfish		76	208	92		539	190		59	1,164
Misc. bottomfish	6,231	4,722	3,641	3,057	86	506	219		120	18,582
Total	24,285	8,173	15,854	32,279	73,073	39,935	10,612	89	14,505	225,392

Note: The catch of Pacific halibut is estimated by a catch report for halibut, and catches are not available for individual Catch Areas. The Puget Sound catch of halibut includes fish caught between Sekiu and Cape Flattery (Catch Record Area 4B). Since 1994, extensive seasonal closures of the recreational salmon fishery in Puget Sound have prevented the estimation of bottomfish catch during many peak months in many catch areas.

Shellfish

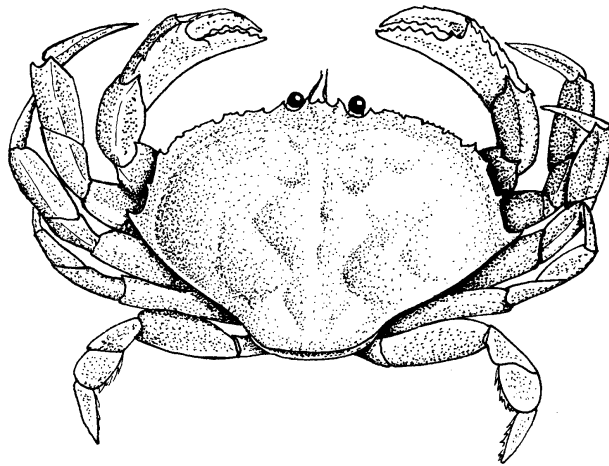


Table 40. Seasonal Summary of Sport Razor Clam Digging on the Ocean Beaches (1)

Location	Fall 1996				Spring 1997			
	Digger Trips	Clams Per Trip	Percent Wastage (2)	Number of Clams (4)	Digger Trips	Clams Per Trip	Percent Wastage (2)	Number of Clams (4)
Long Beach	29,000	8.2	N/A	236,000	0	0	N/A	0
Twins Harbors	10,000	12.9	N/A	126,000	29,000	13.7	4.3%	417,000
Copalis	0	0		0	0	0		0
Mocrocks	5,300	12.7	N/A	67,000	0	0		0
Kalaloch(3)	1,500	8.7	N/A	14,000	3,000	9.4	N/A	28,000
Total	45,800	9.7		443,000	32,000	13.9		445,000

Note:

1. Seasonal summary from Fall of one year through Spring of the next year. Detailed information available in WDFW Razor Clam progress reports.
2. Percent wastage is the percent of damaged/dead clams found in holes.
3. Data collection at Kalaloch began in the Fall of 1995.
4. Total number of clams includes wastage.

Table 41. 1996 Recreational Use and Harvest Estimate from Intertidal Areas East of Dungeness Spit (1)

Catch Area Code and Description (2)		User Trips (3)	Pounds of Clams Harvested							Number of Oysters	Pounds of Oysters (4)	
			Manila Littleneck	Native Littleneck	Butter	Cockle	Soft Shell	Horse	Geoduck			Total Clams
20A	Gulf of Georgia	17,893	2,257	21,145	27,569	2,513	280	6,945	0	60,709	38,436	1,751
20B	North San Juan Islands	358	65	401	747	47	4	265	0	1,529	415	19
21A	Bellingham Bay	282	38	273	630	16	0	211	0	1,168	169	8
21B	Samish Bay	2,491	264	2,749	3,619	204	61	1,376	0	8,273	2,553	116
22A	South San Juan Islands	3,446	169	5,061	3,417	364	177	1,607	0	10,795	660	30
22B	Padilla Bay	2,351	167	3,256	3,996	433	86	2,050	0	9,988	569	28
23B	Northwest Whidbey Island	250	13	308	495	70	7	317	0	1,210	0	
24A	Skagit Bay	3,509	51	4,387	5,896	1,008	8	640	0	11,990	87	4
24B	Port Susan	2,653	51	3,247	5,208	825	4	363	0	9,698	0	
24C	Saratoga Passage	33,580	378	47,558	72,968	10,575	44	3,398	0	134,921	2,397	109
24D	Holmes Harbor	2,310	53	3,422	5,539	860	4	378	0	10,256	40	2
25A	Eastern Juan de Fuca Strait	10,012	929	17,748	12,606	3,726	426	5,443	0	40,878	4,605	210
25B	Admiralty Inlet	11,262	1,458	16,498	18,662	6,778	125	7,248	0	50,769	4,435	202
25C	North Hood Canal	14,874	11,940	7,692	10,821	5,003	503	4,420	21	40,400	101,759	4,635
25D	Port Townsend Bay	1,219	318	1,276	570	123	4	392	0	2,683	3,302	150
25E	Discovery Bay	701	69	1,041	1,432	506	9	482	0	3,537	180	8
26A	Useless Bay/Possession Sound	16,773	375	23,038	31,276	3,603	36	1,601	0	59,929	923	42
26B	Seattle/Elliott Bay/Pt Madison	9,523	248	14,421	21,878	2,833	23	1,342	0	40,745	1,790	82
26C	Port Orchard	9,600	205	12,193	15,127	2,136	41	971	0	30,673	14,609	665
26D	Vashon/Commencement Bay	5,303	86	6,690	11,049	1,000	16	531	0	19,372	1,682	77
27A	North Central Hood Canal	41,721	47,063	5,783	9,691	3,700	1,314	3,865	85	71,501	344,291	15,682
27B	Central Hood Canal	11,023	7,100	2,905	3,859	1,565	301	1,339	9	17,078	104,621	4,765
27C	South Hood Canal	27,275	6,041	4,911	5,298	1,848	611	780	5	19,494	146,093	6,654
28A	Nisqually/Fox Island	6,321	2,981	2,616	17,648	327	224	7,407	3,407	34,610	77	4
28B	Carr Inlet	5,868	2,228	3,471	7,355	137	600	2,206	593	16,590	3,529	161
28C	Case Inlet	10,098	3,917	8,222	14,637	311	972	5,844	1,947	35,850	9,003	410
28D	Budd, Eld, & Totten Inlets	4,801	1,214	3,331	10,834	296	522	3,973	2,073	22,243	2,369	108
Total		223,928	89,759	223,927	322,899	50,816	6,400	65,435	8,140	767,376	789,542	35,962

Notes:

1. Includes both public and private tidelands.
2. Boundaries of geographic areas are those prescribed by catch area.
3. Includes combined clam and oyster users.
4. Estimated weight of shucked meats.

Date	Pots Fished	Pounds	CPUE
May 18	6,280	21,970	3.50
May 22	2,470	10,190	4.13
May 25	5,350	20,530	3.84
May 29	2,480	11,100	4.48
June 1	4,160	18,760	4.51
June 8	1,760	7,430	4.23
June 16	1,160	5,120	4.41
June 22	1,060	4,900	4.63
Total	24,710	100,000	4.05

Catch Code and Catch Area		Pot Days	Number of Dungeness Crabs
20A	Gulf of Georgia	42,130	51,020
20B	North San Juan Islands	2,660	3,220
21A	Bellingham Bay	10,460	3,080
21B	Samish Bay	6,240	1,840
22A	San Juan Islands	37,030	44,850
22B	Anacortes	8,410	5,780
24A	Skagit Bay	45,260	29,110
24B	Port Susan	11,880	7,530
24C	Saratogo Passage	33,940	36,450
24D	Holmes Harbor	9,210	3,380
25A	Dungeness & Sequim Bays	31,480	32,680
25B	Admiralty Inlet	170	70
25C	Port Ludlow/Port Gamble Area	19,370	8,530
25D	Port Townsend	13,990	8,540
25E	Discovery Bay	3,220	2,600
26A	Useless Bay, Port Gardner	11,390	4,780
27A	Upper Hood Canal	63,280	27,870
27B	Central Hood Canal	17,160	13,790
27C	Lower Hood Canal	60,580	28,020
Total		427,860	343,140



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