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Washington State Sport Catch Report 2017

by Eric Kraig
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INTRODUCTION

The Washington State Sport Catch Report was first published in 1967. The report originally provided salmon catch estimates, which were and still are based on data from catch record cards (punch cards). In 1975, marine fish sport harvest estimates were added to the report, followed by shellfish estimates in 1976. Marine fish and intertidal shellfish sport harvest estimates are based on field and creel surveys. In 1994, with the merger of the departments of Fisheries and Wildlife, steelhead sport harvest estimates were added to the report. Now, catch record card data are collected for salmon, sturgeon, steelhead, Dungeness crab and halibut. The card data is supplemented with field or creel survey data or telephone surveys where available to improve recreational harvest estimate accuracy. The sport harvest estimates for salmon, steelhead, sturgeon, marine fish and shellfish are produced at varying times of each year.

The 2017 sport estimates reflect harvest from April 1, 2017, through March 31, 2018. Historically, salmon, sturgeon, halibut, marine fish and shellfish estimates were made on a calendar year basis from January 1 through December 31. Steelhead estimates were summarized from May 1 through the next April 30 to better capture the results of steelhead "run years". Effective January 1, 1999, the sport license system adopted an April 1 to March 31 license year for all species. To adjust to the new reporting time frames, the 1999 sport report included 15 months of salmon and sturgeon catch and 11 months of steelhead catch (May 1, 1999 – March 31, 2000). When comparing past years' sport harvest estimate tables, please note the changes in the license structure and reporting year as described above.

Sport Licenses and Catch Record Cards

In 2017, the following licenses and catch record cards were required to fish in Washington:

- Saltwater license: Required for saltwater fishing, for all anglers aged sixteen and over. Available for residents, resident seniors (70 and older), and non-residents. Catch record cards required for salmon, steelhead, sturgeon and halibut, for anglers of all ages.
- Freshwater license: Required for freshwater fishing, for all anglers aged sixteen and over. Available for residents, resident seniors (70 and older), and non-residents. Catch record cards required for salmon, steelhead and sturgeon, for anglers of all ages.
- Shellfish/seaweed license: Required for harvesters aged sixteen and over. Available for residents, resident seniors (70 and older), and non-residents. Allows the holder to harvest clams, mussels, oysters, shrimp, crab, squid, other shellfish, and seaweed. In addition, a Puget Sound crab endorsement and catch record card was required to harvest Dungeness crab in Marine Areas 5-13.
- Combination license: Allows anglers to fish in both saltwater and freshwater and to harvest shellfish and seaweed. Available for both residents and non-residents aged fifteen and over.

Fish catch record cards were required for salmon, steelhead, sturgeon and halibut. Each species group could be issued as a separate card, or included together on one card. Separate catch record cards were required for recording Dungeness crab in Puget Sound. Separate crab cards were required for the summer and fall/winter seasons.

In 2001 WDFW implemented the Washington Interactive Licensing Data (WILD) system to electronically capture recreational license issuance information at the point of sale. The catch record card remained the same paper document distributed by sport license vendors, but demographic data about persons receiving the cards became available almost immediately.

Table 1 lists license sales for the license year which ran from April 1, 2017 through March 31, 2018. Table 2 provides counts for the numbers of fish and crab catch cards issued going back to 1971. Table 3 shows the return rate, expansion factor, and non-response bias correction factors for the 2017-2018 cards.

Catch Record Cards

Card Issuance

Catch cards are required for all anglers fishing for salmon, steelhead, sturgeon, or halibut. Separate crab catch cards are required for Dungeness crab fishing in Puget Sound. The catch card requirement applies to everyone, including anglers under the age of fifteen who are not required to purchase a fishing license. The first catch card issued to an angler is free with the purchase of a license. If an angler fills the initial card with catch, additional cards can be purchased for a fee. Sturgeon and halibut have annual catch limits, so additional cards are not available for these species.

Most catch cards are issued from the Washington Interactive Licensing Database (WILD) system. WILD-issued cards include the angler's name, city of residence, and their WILD ID, a unique identifier assigned to each angler in the system. Each issued card is assigned a unique document number.

Pre-printed catch cards are provided to charter boat operators and fishing guides to be issued along with one-day charter licenses. Anglers write their name/address information on the charter card "stub" which is retained by the operator and sent back to the agency. The same pre-printed cards may also be issued to anglers that purchase "Hot Key" licenses. These are temporary licenses sold through the WILD system, but without the requirement for an angler entry in the database. The angler name and address is entered on the stub, just as with charter licenses. Charter and hot key cards make up about three to five percent of the total card issuance annually.

Card Returns

Fish catch cards are due back on April 30, one month after the end of the license year, which runs from April 1 through March 31. Crab catch cards are issued for two separate seasons. Summer season cards are due back by October 1; winter season cards are dub back by February 1. Cards can be mailed in or dropped off at WDFW offices. Online reporting is available for crab cards, but not yet for fish cards.

For fish catch cards, the CRC unit randomly selects twenty-five percent of the cards issued each year for use in generating catch estimates. These cards are referred to as the "in-sample" group. Cards are selected based on the last two digits of the document numbers printed on the cards. Two reminder postcards are sent out to anglers with cards in the in-sample range, in an effort to increase return rates. For crab catch cards, all reports are processed, including both returned card and those reported online.

Estimation

Once the cards have been returned, the expansion factor is calculated. This is the ratio of total cards issued to cards returned. For cards issued through the Wild system, calculating the total sold is straightforward; canceled or voided cards are subtracted from the total issuance number to arrive at the number of valid cards that were available for use. For charter cards, the total number of issued cards is estimated. Some, but not all, of the name/address stubs are returned by the charter operators, and some, but not all, of the cards are returned by anglers. Thus, total issuance for charter cards is estimated as follows:

N_T = total charter/hot key cards issued

N_r = in-sample name/address stubs returned

n_v = total in-sample cards voluntarily returned (returned prior to reminder mailings)

n_m = voluntary returns that match returned stubs

It is assumed that:

$$\frac{n_m}{n_v} = \frac{N_r}{N_T}$$

Therefore:

$$N_T = \frac{N_r n_v}{n_m}$$

Charter and hotkey cards make up less than five percent of the total card issuance; thus, we assume that the uncertainty in the numbers does not have a large impact in the overall estimation process.

Catch from the returned in-sample cards is expanded out across all issued cards. The expansion factor is one over the in-sample return rate multiplied by the twenty-five percent sample rate. In-sample return rates in recent years have been in the 30 to 40 percent range. In 2017 the return rate was about 34%, so the expansion factor was:

$$\frac{1}{0.34(0.25)} = 11.76$$

Estimates are generated for each catch area, species, and time period. The following estimation method was implemented after a five-year intensive study conducted in the late 1980's (Conrad, Alexandersdottir, 1993). Variance is calculated using a random group method (Wolter, 1985) in which the in-sample returned cards are randomly assigned to four subgroups. Estimates are then calculated separately for each subgroup as well as for the entire group, and the variance is calculated using the deviations of the sample estimates from the over-all estimate.

In general, cards that are not returned have a lower mean catch per card than those that are returned. To adjust for this non-response bias, a correction factor is applied. Different correction factors are used for different species.

The in-sample cards are randomly subdivided into four groups, and estimates are calculated using each of those groups as follows:

N_i = number of cards in subsample i
N_T = total number of cards issued
h_i = number of fish for subsample i
H_i = estimated harvest based on subsample i
H_i = non-response bias correction factor

Then the total estimate of harvest is generated as follows:
H_T = total estimate
V_{H_T} = variance of total estimate

The above process generates estimates for total harvest for each area/species/time period combination. For historical reasons, the time periods differ for each species type. Calendar months are used for steelhead, sturgeon, and crab. For salmon, statistical months or statistical weeks are often used. Statistical weeks (defined as Monday-Sunday) are consecutively numbered weeks beginning on January 1. Statistical months are made up of a set number of statistical weeks, which do not necessarily coincide with calendar month start and end dates.

REVIEW

The CRC catch estimates for each area/time period/species are routed to biologists (both state and tribal) for review. The biologists are asked to list those entries that are questionable, either because the area was closed to fishing during that time period or because the likelihood of encountering that species at that time/place was low. The review comments are compiled and used to draw up a list of those anglers reporting the questionable catch. CRC staff attempt to contact these anglers by phone in order to resolve the issues. If the anglers cannot be reached, the biologists make the decisions on how to handle the reports; generally if the catch is biologically feasible the report is left as is, otherwise it is changed to "unknown". Once the calls are completed to resolve possible errors, and the individual catch records are corrected accordingly, the estimation process is rerun.

Salmon

Catch record card estimates are generated for both marine and freshwater areas. In areas where regular long-standing creel surveys are conducted, the catch card numbers are replaced with the estimates generated from the creel surveys. In marine areas, creel estimates were used in Areas 1-4 (not including Willapa Bay or Grays Harbor) and for some Puget Sound fisheries, primarily mark-selective chinook fisheries in the summer and winter months. In freshwater, creel estimates are used for catch in the Columbia River below Bonneville Dam.

Steelhead

Steelhead estimates are generated from catch card returns, as described above. Since steelhead harvest numbers are quite small for many streams, the estimates are first generated for entire river systems. The estimates are then broken out across the individual streams by using catch reported from all returned cards, both those that are in the sample group, and those that are out of sample.

Steelhead are categorized as "summer-run" or "winter-run" based on the month of harvest. In general, fish caught from May through October are considered summer-run and fish caught from November through April are considered winter-run. For most areas in the Columbia system above Bonneville Dam, all fish are considered summer-run.

Sturgeon

Sturgeon estimates are generated from catch card returns, as described above. Retention of Green Sturgeon is now prohibited statewide, so most reported fish are White Sturgeon. Creel estimates are used for the lower Columbia River, up to McNary Dam.

Marine Fish

Marine fish are those species that live their entire lives in salt water. There are four general groups of marine fish for management purposes: 1) bottomfish, which are species such as rockfish, lingcod and flounder; 2) forage fish, which are small schooling fish such as herring and smelt; 3) pelagic fish such as tuna and mackerel; 4) Pacific halibut.

The recreational catch of bottomfish, halibut, and tuna in ocean waters (Catch Area 1-4) is estimated from port-based creel and effort surveys. The estimates are made for each of the four main coastal fishing areas: Ilwaco, Westport, La Push, and Neah Bay.

The Puget Sound (Catch Areas 5-13) catch of bottomfish is estimated using a combination of two surveys: a creel survey of anglers to determine the catch rate and species composition and a phone survey of licensed anglers to determine total fishing effort. Halibut catch is estimated by combining creel data with on-the-water effort surveys. Catch record card estimates are also generated for halibut, but these numbers are not used for the published estimates.

Recreational catch of forage fish is not routinely monitored and no harvest estimates are available.

Crab

Catch record card returns are used to estimate Dungeness crab harvest in Puget Sound. Estimates are generated for two seasons: summer, which generally runs from June through Labor Day, and winter, which runs from the day after Labor Day through December 31. A ten-dollar penalty is assessed for failure to report, so all returned cards and online reports are processed and used for estimation. Non-response bias varies depending on return rate.

Estimates are not available for recreational catch of Dungeness crab from the coast or the Columbia River mouth, or for other crab species such as Red Rock or Tanner Crab.

Shrimp

Puget Sound spot shrimp estimates are calculated from boat ramp creel surveys combined with effort estimates generated by aerial boat counts or on-the-water buoy counts.

Clams and Oysters

Coastal razor clam harvest estimates are generated by combining effort estimates (digger trips) with catch per trip numbers from creel surveys.

Puget Sound clam and oyster harvest estimates are generated for actively managed beaches. Aerial surveys are used to estimate effort, and creel checks are used to determine catch per trip. For beaches that are passively managed, only effort estimates are generated.

Ocean 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 1 and continuing through week 53 or 54, ending on December 31. 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 2017, the statistical month of January begins January 1 and ends February 2 and the statistical month of February starts on February 3 and ends March 2. Due to the differences between calendar and statistical months, some catch may be reported during what appears to be a closed period.

Salmon

Annual sport salmon catch estimates for 1971 through 2017 are shown in Table 4. Between April 1, 2017, and March 31, 2018 a total of 165,455 salmon were caught in marine areas, and 220,195 salmon were caught in freshwater. The marine totals by species, as shown in Table 5, are: 71,062 chinook; 75,100 coho;

6,629 chum; 12,284 pink; 54 sockeye; and 326 jacks (all species combined). Freshwater species breakdowns are: 101,242 chinook; 54,273 coho; 9,169 chum; 32,960 pink; 7,944 sockeye; 17,262 jacks (all species combined).

Catch record card returns are used to estimate sport salmon catch in marine and freshwater areas. For some areas, the catch cards numbers are replaced with estimates based on creel surveys. In marine areas, creel estimates were used in Areas 1-4 (not including Willapa bay or Grays Harbor), and for many of the Puget Sound fisheries including the summer months in Area 5, 9, 10 and 11.

Sturgeon

On the new combined sport catch record card, sturgeon fishers were required to record their catch statewide. The total sport harvest for 2017, based on creel surveys and catch record card returns, was 5,006 fish. Sturgeon retention was only allowed in the Columbia and Snake River systems.

Steelhead

Harvest estimates for sport-caught summer and winter steelhead are based on catch record card returns. Steelhead caught during the months of May through October are considered “summer-runs,” designated S. Steelhead caught from November through April are considered “winter-runs,” designated W, with the exception of steelhead caught above Bonneville Dam on the Columbia River, where all steelhead are considered “summer-runs,”, because of run and spawn timing.

Table 31 presents steelhead sport harvest estimates for the 2017-2018 season geographically by stream and river system. Monthly estimate totals are given for marked and unmarked steelhead.

Marine Fish

Marine fish are those species of fish which live their entire lives in salt water. There are four general groups of marine fish for management purposes: 1) bottomfish, which are species such as rockfish, lingcod and most species of sole and flounder; 2) forage fish, which are small, schooling fish such as herring and smelt; 3) tunas and mackerels; 4) Pacific halibut.

The recreational catch of bottomfish and halibut in ocean waters (Catch Areas 1-4) is estimated from marine surveys (Table 35 and 36). The estimates are made for each of the four main coastal fishing areas: Ilwaco, Westport, La Push and Neah Bay.

The Puget Sound (Catch Areas 5-13) catch of bottomfish, excluding halibut, is estimated using a combination of two surveys: a creel survey of anglers to determine the catch rate and species composition and a phone

survey of licensed anglers to determine total fishing effort. These estimates are shown in Table 37. The recreational catch of forage fish is not routinely monitored and no harvest estimate is available.

Shellfish

Razor clam harvest on the coastal beaches is summarized in Table 38. During the fall of 2017 and the spring of 2017 257,616 digging trips resulted in a harvest of 2,736,124 clams, for an average of 10.15 clams per trip.

Puget Sound recreational clam and oyster harvest estimates are shown in Table 39. Harvest totals for Manila and native littleneck clams, butter clams, cockles, softshell clams, horse clams, geoducks and oysters are shown for public access beaches. Estimates show 101,661 sport harvester trips gathered 259,935 total pounds of clams and 714,825 oysters in 2017 on the monitored beaches.

The Puget Sound and Hood Canal shrimp fishery harvest is reported in Table 40. Shrimpers caught 204,665 pounds of shrimp between May and September. The sport crab fishery in the Puget Sound areas is summarized in Table 41. Crabbers harvested an estimated 1,664,718 pounds of Dungeness crab.

REFERENCES

Conrad, R. and M. Alexandersdottir. 1993. Estimating the Harvest of Salmon by the Puget Sound Sport Fishery in Puget Sound: Evaluation and Recommendations. Northwest Fishery Resource Bulletin, Manuscript Series Report No. 1. 82 p.

Wolter, K.M. 1985. Introduction to Variance Estimation. In: Springer Series in Statistics. Springer-Verlag. New York. 427 p.

Sport Licenses

Table 1. Number and Value of Sport Fishing Licenses Sold in Washington.

April 1, 2017 - March 31, 2018 - License Year			
Type of License	**Price**	**Number Sold**	**Value**
Saltwater			
Resident	$30.05	35,108	$877,700.00
Non-Resident	$59.75	3,025	$157,300.00
Senior	$8.05	17,127	$85,635.00
Freshwater			
Resident	$29.50	319,891	$7,997,275.00
Non-Resident	$84.50	12,802	$959,925.00
Senior	$7.50	41,392	$206,960.00
Shellfish/Seaweed			
Resident	$17.40	98,738	$987,380.00
Non-Resident	$36.10	7,825	$211,275.00
Senior	$7.50	21,245	$106,225.00
Combination (Saltwater/Freshwater/Shellfish)			
Resident	$55.35	141,049	$6,347,205.00
Non-Resident	$124.65	3,344	$361,152.00
Senior	$19.05	3,676	$55,140.00
Disabled/Veteran - Res	$11.35	15,561	$77,805.00
Disabled/Veteran - NR	$55.35	376	$16,920.00
Youth	$8.05	10,012	$50,060.00
Promo Upgrade		2	$40.00
Short-term Combination			
1-day Resident	$11.35	45,231	$361,848.00
1-day Non-Resident	$20.15	34,447	$551,147.00
2-day Resident	$15.75	9,440	$113,280.00
2-day Non-Resident	$28.95	11,913	$285,912.00
3-day Resident	$19.05	10,215	$153,225.00
3-day Non-Resident	$35.55	18,050	$541,500.00
Razor Clam			
Annual Resident	$14.10	24,103	$192,824.00
Annual Non-resident	$21.80	4,368	$54,138.00
3-day	$9.70	31,858	$159,290.00
PS Crab Endorsement			
Annual	$8.75	166,093	$1,245,698.00
1-5 day	$3.80	11,652	$34,956.00
Charter/Guide Stamps			
Charter/Guide Stamps	$8.50	28,634	$243,389.00
Two-Rod Endorsements			
Resident / Non-resident	$14.80	60,602	$787,826.00
Senior	$6.00	8,649	$43,245.00
Columbia River Endorsements			
Resident / Non-resident	$8.75	171,540	$1,286,550.00
Senior / Youth	$7.10	16,198	$97,188.00
Duplicates			
Additional Catch Cards	$12.60	18,649	$205,139.00
Licenses	$9.70	168	$920.00
Total		1,402,983	$24,856,072.00

Technical Data

Table 2. Number of Catch Record Cards Issued 1971-2017

Year	Salmon	Steelhead	Sturgeon
1971	541,600	145,647	
1972	536,750	153,977	
1973	568,825	165,671	
1974	562,375	154,051	
1975	576,075	no data	
1976	660,150	no data	
1977	641,050	no data	
1978	580,375	130,000	
1979	487,875	136,000	
1980	433,700	139,500	
1981	463,561	132,000	
1982	481,915	100,000	
1983	481,025	101,800	
1984	364,286	133,400	
1985	403,523	121,500	
1986	431,898	100,500	
1987	475,459	102,000	
1988	486,356	108,182	33,195
1989	509,534	106,666	35,576
1990	497,215	98,362	32,421
1991	489,394	98,328	32,396
1992	419,986	98,933	37,615
1993	447,986	94,913	43,067
1994	244,629	87,093	54,837
1995	416,707	101,303	62,572
1996	333,773	92,858	69,639
1997	331,511	68,341	76,806
1998	265,296	85,636	79,264
1999-2000	352,003	183,520	132,503
	Combined	**Crab - Summer**	**Crab - Winter**
2000-2001*	539,898		
2001-2002	827,443		
2002-2003	767,465		
2003-2004	799,326		
2004-2005	715,395		
2005-2006	686,831		
2006-2007	672,753		
2007-2008**	640,893	210,327	157,712
2008-2009	603,539	210,893	207,143
2009-2010	729,319	236,665	89,259
2010-2011	574,969	208,458	70,731
2011-2012	632,564	230,355	28,514
2012-2013	566,372	200,711	27,711
2013-2014	631,536	214,692	29,638
2014-2015	606,471	213,741	35,371
2015-2016	636,596	232,619	36,397
2016-2017	499,989	216,949	26,591
2017-2018	541,830	215,929	23,277

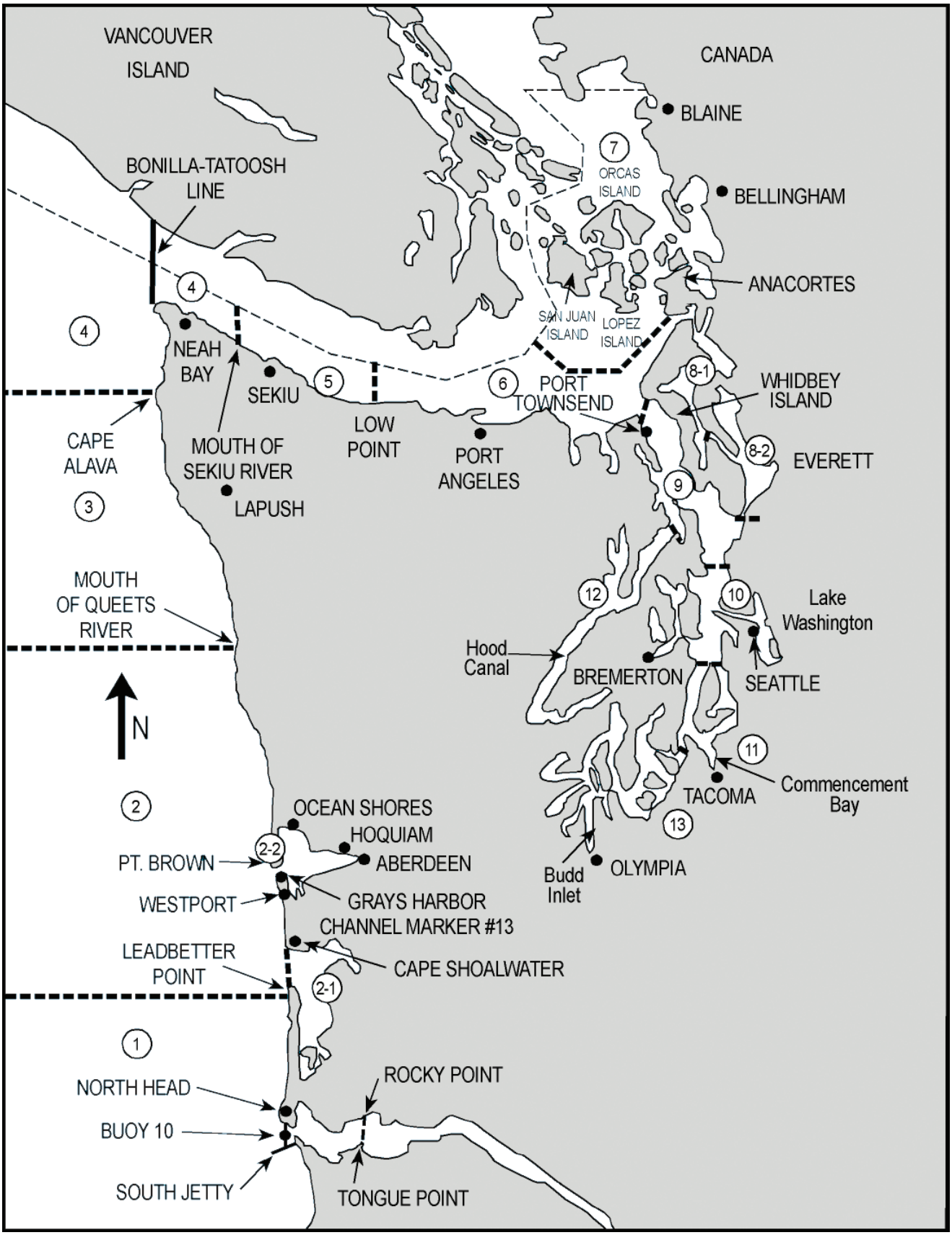
*Starting with the 2000-2001 season, all species were combined on a single card.
**Starting with the 2007-2008 season, separate cards were issued for Dungeness Crab, for both the summer season and the fall/winter season.

Table 3. 2017-2018 Catch Record Card Technical Data

Cards Issued	541,830
In-sample cards	135,458
In-sample cards returned	45,706
Expansion Factor (Cards Issued / In-sample Returns)	11.85
Non-reporting bias correction factors	
Salmon - Marine Area 5	1.00
Salmon - Puget Sound Marine Areas	1.46
Salmon - Freshwater, Grays Harbor, Willapa Bay	1.20
Steelhead	0.98
Sturgeon	1.00

Salmon

Map Of Salmon Catch Record Card Areas
Marine Waters Only



1	**ILWACO**	West of the Buoy 10 line at the Columbia River mouth, 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 a line from Leadbetter Point to Cape Shoalwater.
2-2	**GRAYS HARBOR**	East of a line from the tip of the North Jetty to exposed end of the South Jetty.
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 AND PILLAR POINT**	From 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.) - Vessel Traffic Separation Buoy “R” - Smith Island to the Lawson Reef Buoy to Northwest Island to the Initiative 77 marker on Fidalgo Island.
7	**SAN JUAN ISLANDS**	All marine waters north of the Trial Island line described under Area 6 to the United States-Canada boundary.
8-1	**DECEPTION PASS, SKAGIT BAY**	From West Point to Reservation Head eastward through Deception Pass, including all waters of Swinomish Slough and Skagit Bay, and the portion of Saratoga Passage north and west of a line from East Point Light to light on Camano Island (Saratoga Pass Light #4Fl Red 4 Sec.).
8-2	**PORTS SUSAN AND GARDNER**	East of East Point Light-Camano Island Light line (described in 8-1 above) and north of the Possession Point-Shipwreck line (described in 9 below).
9	**ADMIRALTY INLET**	All waters inside and south of the Partridge Point - Point Wilson line, south and west of a line from Possession Point 110º true to shipwreck, north of the Hood Canal Bridge, and north of the Apple Cove Point-Edwards Point line.
10	**SEATTLE-BREMERTON AREA**	South from the Apple Cove Point-Edwards Point line to a line projected true east- west through the north tip of Vashon Island.
11	**TACOMA-VASHON ISLAND**	South from a line projected true east west through the north tip of Vashon Island to the Tacoma Narrows Bridge.
12	**HOOD CANAL**	All waters south of the Hood Canal Bridge.
13	**SOUTH PUGET SOUND**	All waters south of Tacoma Narrows Bridge.

FRESHWATER AREAS	RIVERS OR STREAMS OR LAKES - Name of river, stream or lake, except for Buoy 10
BUOY 10 (1A)	From Buoy 10 Line to Rocky Point-Tongue Point Line

Table 4. Annual Sport Salmon Catch 1971-2017

Year	Total	Fresh-water	Un-known	Area 1	Area 1A	Area 2	Area 2-1	Area 2-2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Area 8-1	Area 8-2	Area 9	Area 10	Area 11	Area 12	Area 13
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	760,104	58,128		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		102,769	13,069	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		95,593	3,006	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		23,927	55,865	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		75,013	18,914	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		69,915	86,360	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	782,834	110,636		62,393	61,048	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	703,088	168,594		22,960	120,019	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	832,214	121,417		87,755	67,734	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	824,143	107,934		97,844	16,850	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	943,473	153,719		77,608	152,974	107,362	1,965	9,047	5,615	43,357	216,816	42,812	16,602		3,528	16,809	40,390	32,229	15,549	3,225	3,866
1992	569,195	90,032		48,356	37,157	67,427	1,978		2,031	25,820	108,876	30,894	12,515		3,295	11,836	47,157	51,338	18,198	6,303	5,982
1993	599,361	145,579		49,587	17,975	57,990	2,260	743	3,469	31,154	80,496	44,174	35,697		6,150	18,170	41,949	36,699	14,130	3,540	9,599
1994	156,896	61,142			1,069	71	2,574	1,971	Closed	Closed	518	1,184	8,322		1,917	3,301	6,978	23,279	25,360	8,905	10,305
1995	524,232	190,158		3,743	24,954	29,122	936	1,799	1,990	15,604	53,553	20,617	23,801		23,503	42,900	22,920	28,560	28,242	5,200	6,630
1996	390,660	161,108		17,882	3,509	23,089	2,422	2,601	1,901	8,750	41,820	18,103	15,486		2,350	13,968	20,343	18,972	25,417	6,408	6,531
1997	394,868	98,220		11,976	22,441	16,261	409	1,433	1,260	2,577	52,890	23,614	35,016		5,894	37,649	24,356	25,277	23,146	7,089	5,360
1998	235,466	78,664		4,738	5,364	9,348	1,329	2,970	762	8,045	24,509	6,657	5,801		2,095	12,409	24,324	16,674	17,272	7,782	6,723
1999	239,317	92,611		21,989	11,222	19,056	2,137	1,207	4,387	6,650	24,546	3,509	5,765		1,519	8,805	9,228	4,009	14,517	4,046	4,114
2000	401,180	191,805	4,228	27,889	16,335	34,636	870	2,736	2,519	11,652	29,883	4,334	7,178		2,105	12,798	12,608	15,681	14,212	4,580	5,131
2001	1,056,395	405,590	11,042	82,641	80,701	85,645	1,255	5,784	4,188	21,991	87,639	12,081	17,268		17,685	74,947	70,259	26,448	27,761	17,677	5,793
2002	551,479	306,424	6,443	53,015		61,715	960	3,530	3,736	13,523	35,100	1,418	8,326		1,544	8,609	12,731	11,885	12,044	7,039	3,437
2003	810,616	342,884	6,940	83,164		64,733	1,953	2,135	6,537	32,207	88,885	13,781	12,409		10,573	51,784	44,697	16,541	17,719	10,898	2,776
2004	474,929	214,116	2,562	59,321		38,616	1,759	6,017	5,152	34,760	45,000	2,511	3,428		1,117	7,606	15,024	13,766	13,944	7,293	2,937
2005	451,411	200,535	1,789	38,490		32,823	3,580	1,910	4,316	15,297	58,621	3,295	5,934		1,691	18,846	24,125	12,866	15,022	8,392	3,879
2006	288,716	174,224	1,212	21,254		14,506	3,368	1,812	3,754	7,136	13,244	1,601	4,486		378	2,280	6,398	11,193	12,024	6,214	3,632
2007	545,737	231,800	2,501	49,108		28,694	1,473	1,635	3,545	16,057	75,084	6,626	9,961		1,513	21,604	41,906	20,149	22,602	6,955	4,524
2008	251,975	160,431	1,491	11,729		16,983	2,788	1,001	1,356	3,415	14,765	1,437	3,651		580	1,303	6,982	8,007	9,598	3,124	3,334
2009	1,074,938	571,230	16,885	69,430		60,414	5,975	5,257	10,437	69,692	73,767	16,056	10,173		6,207	32,774	63,436	30,738	26,325	4,081	2,061
2010	335,931	204,196	3,881	24,191		39,821	1,893	2,122	2,196	6,934	19,540	3,014	4,543		234	961	7,786	6,369	4,621	2,415	1,214
2011	906,876	572,283	15,699	26,948		34,069	6,314	3,327	5,558	13,024	62,003	20,257	19,305		12,935	23,979	35,631	23,810	22,540	5,738	3,456
2012	584,694	285,247	4,624	17,131		31,417	4,358	9,030	3,804	12,787	72,396	17,494	9,228		2,549	13,863	53,679	25,308	12,690	6,855	2,234
2013	1,125,794	732,850	8,557	23,121		35,062	2,756	2,660	6,117	18,368	65,534	26,851	26,506		10,227	26,038	85,769	31,508	15,574	5,541	2,755
2014	698,126	346,446	6,772	67,498		77,815	14,583	7,397	7,484	10,248	52,908	21,705	11,222		3,743	9,414	36,758	14,032	4,693	3,544	1,864
2015	1,047,693	522,102	11,060	45,127		51,905	19,051	2,475	4,041	18,228	81,907	34,792	40,107		10,743	37,910	117,477	31,481	12,217	4,331	2,739
2016	305,960	220,736	2,687	21,034		8,352	7,452	819	164	3,415	4,224	7,317	6,205		517	1,143	5,754	1,635	2,167	9,675	2,664
2017	388,305	220,195	2,655	21,544		21,498	6,192	2,494	2,025	11,732	13,318	5,852	13,055		517	1,496	14,286	25,579	8,726	11,397	5,744

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 until 1990. Beginning in 1991, Areas 8-1 and 8-2, are reported separately. Similarly, the catch in Areas 2, 2-1 and 2-2 are included in the total catch for Area 2 until 1990. Beginning in 1991, they are reported separately. The total catch for Area 1 and Area 1A is included in the total catch for Area 1 until 1981. Starting in 1982, they are reported separately. Beginning in 2002, Area 1A catch is included in the freshwater total.

Note: Prior to 1999, sport salmon estimates were based on calendar years. In 1999, the sport estimates cover January 1, 1999 - March 31, 2000. Starting in 2000, sport salmon estimates are based on the fishing license year which runs from April 1 to March 31.

Table 5. Total 2017-2018 Sport Salmon Catch

Marine Area	Chinook	Coho	Chum	Pink	Sockeye	Chinook Jacks	Coho Jacks	Total Salmon	Marine Angler Trips	Salmon per Trip
Ilwaco-Ocean (Area 1)	5,863	15,681						21,544	22,764	0.95
Westport (Area 2)	6,391	15,063		44				21,498	25,997	0.83
Willapa Bay (Area 2.1)	5,044	923				157	68	6,192	N/A	
Grays Harbor (Area 2.2)	635	1,748	10			9	92	2,494	N/A	
LaPush (Area 3)	297	1,717		11				2,025	1,901	1.07
Neah Bay (Area 4)	7,467	3,591		674				11,732	10,791	1.09
Subtotal Coast*	**25,697**	**38,723**	**10**	**729**		**166**	**160**	**65,485**	**61,453**	**0.92**
Sekiu-Pillar Point (Area 5)	3,422	4,769		5,120	7			13,318	24,252	0.55
East Juan de Fuca (Area 6)	5,583	75		194				5,852	7,462	0.78
San Juan Islands (Area 7)	11,214	55	7	1,744	35			13,055	36,195	0.36
Deception Pass, Hope Island (Area 8-1)	517							517	2,479	0.21
Port Susan & Port Gardner (Area 8-2)	1,162	181		153				1,496	5,561	0.27
Admiralty Inlet (Area 9)	8,758	4,188	6	1,322	12			14,286	32,814	0.44
Seattle-Bremerton (Area 10)	3,122	20,364	176	1,917				25,579	37,298	0.69
Tacoma-Vashon Island (Area 11)	4,636	3,424		666				8,726	37,425	0.23
Hood Canal (Area 12)	2,927	2,424	5,671	375				11,397	6,895	1.65
South Puget Sound (Area 13)	4,024	897	759	64				5,744	6,458	0.89
Subtotal Puget Sound	**45,365**	**36,377**	**6,619**	**11,555**	**54**			**99,970**	**196,839**	**0.51**
Marine Area Totals*	71,062	75,100	6,629	12,284	54	166	160	165,455	258,292	**0.64**
Freshwater Totals	101,242	54,273	9,169	32,960	7,944	12,040	5,222	222,850	N/A	
Grand Totals	**172,304**	**129,373**	**15,798**	**45,244**	**7,998**	**12,206**	**5,382**	**388,305**	**N/A**	

*Salmon per trip is calculated after subtracting the catch totals for Willapa Bay and Grays Harbor, where angler trip data is not available.

Table 6. 2017 Sport Salmon Catch, Area 1 - Ilwaco: Ocean

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
June 25	2017	319	30				349	388	0.90
July 2	2017	798	98				896	1,310	0.68
July 9	2017	602	116				718	1,474	0.49
July 16	2017	270	1,420				1,690	1,803	0.94
July 23	2017	195	1,834				2,028	1,936	1.05
July 30	2017	340	2,259				2,599	2,009	1.29
August 6	2017	484	2,361				2,846	3,287	0.87
August 13	2017	1,131	3,502				4,632	4,554	1.02
August 20	2017	1,497	3,783				5,280	5,157	1.02
August 27	2017	228	279				507	847	0.60
Total		**5,863**	**15,681**				**21,544**	**22,764**	**0.95**

Table 7. 2017 Sport Salmon Catch, Area 1 - Ilwaco: River (Buoy 10)

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
August 6	2017	350	28				378	1,850	0.20
August 13	2017	623	172				795	2,712	0.29
August 20	2017	2,070	645				2,715	7,461	0.36
August 27	2017	1,692	1,010				2,702	7,801	0.35
September 3	2017	1,974	2,766				4,740	7,081	0.67
September 10	2017	155	1,241				1,396	2,277	0.61
September 17	2017		686				686	1,532	0.45
September 24	2017	4	175				179	495	0.36
October 1	2017		137				137	440	0.31
Total		**6,868**	**6,860**				**13,728**	**31,649**	**0.43**

Table 8. 2017 Sport Salmon Catch, Area 2 - Westport

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
July 2	2017	767	33				800	1,757	0.46
July 9	2017	491	258				749	2,355	0.32
July 16	2017	284	1,048	6			1,338	2,239	0.60
July 23	2017	989	2,054	24			3,068	2,587	1.19
July 30	2017	1,703	3,253	5			4,961	4,279	1.16
August 6	2017	789	4,114				4,903	4,444	1.10
August 13	2017	782	2,966	9			3,757	4,339	0.87
August 20	2017	536	926				1,462	3,359	0.44
August 27	2017	50	410				460	639	0.72
Total		**6,391**	**15,063**	**44**			**21,498**	**25,997**	**0.83**

Table 9. 2017-2018 Sport Salmon Catch, Area 2-1 - Willapa Bay

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Chinook Jacks	Coho Jacks	Total Salmon
June	2017	10							10
July	2017	1,234	50					10	1,294
August	2017	2,893	325				101	20	3,339
September	2017	897	486				56	28	1,467
October	2017	10	62					10	82
Total		**5,044**	**923**				**157**	**68**	**6,192**

Table 10. 2017-2018 Sport Salmon Catch, Area 2-2 - Grays Harbor

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Chinook Jacks	Coho Jacks	Total Salmon
June	2017	30	31						61
July	2017	41	10						51
August	2017	214	81						295
September	2017	350	839				9	74	1,272
October	2017		746					18	764
November	2017		31			10			41
January	2018		10						10
Total		**635**	**1,748**			**10**	**9**	**92**	**2,494**

Table 11. 2017 Sport Salmon Catch, Area 3 - La Push

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
June 25	2017	7	13				20	82	0.24
July 2	2017			2			2	67	0.03
July 9	2017	14	1	2			17	86	0.19
July 16	2017		16				16	89	0.18
July 23	2017	2	31				33	75	0.44
July 30	2017	30	71				101	148	0.68
August 6	2017	40	214	2			256	226	1.13
August 13	2017	62	379	3			445	287	1.55
August 20	2017	48	250	1			299	213	1.41
August 27	2017	57	319	1			377	279	1.35
September 3	2017	34	346				380	291	1.31
September 10	2017	3	76				80	57	1.39
Total		297	1,717	11			2,025	1,901	1.07

Table 12. 2017 Sport Salmon Catch, Area 4 - Neah Bay

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
June 25	2017	244	42	1			287	386	0.74
July 2	2017	658	113	9			780	992	0.79
July 9	2017	1,519	250	56			1,826	1,975	0.92
July 16	2017	2,413	303	46			2,761	1,999	1.38
July 23	2017	1,182	577	94			1,853	1,698	1.09
July 30	2017	526	563	162			1,251	1,211	1.03
August 6	2017	468	407	191			1,066	790	1.35
August 13	2017	303	186	30			518	476	1.09
August 20	2017	73	346	54			473	409	1.16
August 27	2017	48	296	24			368	363	1.02
September 3	2017	31	473	7			511	455	1.12
September 10	2017	3	34	-			37	39	0.95
Total		**7,467**	**3,591**	**674**			**11,732**	**10,791**	**1.09**

Table 13. 2017-2018 Sport Salmon Catch, Area 5 - Sekiu - Pillar Point

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	574					574	984	0.58
July	2017	1,741	252	760			2,753	10,448	0.26
August	2017	765	4,432	4,360	7		9,564	12,393	0.77
September	2017		85				85	85	1.00
March	2018	342					342	342	1.00
Total		**3,422**	**4,769**	**5,120**	**7**		**13,318**	**24,252**	**0.55**

NOTE: Estimates for July to August 15 are from creel surveys; other estimates are from catch record cards.

Table 14. 2017-2018 Sport Salmon Catch, Area 6 - East Juan de Fuca Strait

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	249					249	740	0.34
June	2017	8					8	7	1.14
July	2017	3,678	16	14			3,708	3,761	0.99
August	2017	657		180			837	973	0.86
October	2017		59				59	29	2.03
March	2018	991					991	1,952	0.51
Total		5,583	75	194			5,852	7,462	0.78

NOTE: Estimates for April and March are from creel surveys; other estimates are from catch record cards.

Table 15. 2017-2018 Sport Salmon Catch, Area 7 - San Juan Islands

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	1,611					1,611	3,277	0.49
May	2017	8					8	12	0.67
June	2017	8					8	11	0.73
July	2017	3,615		30	8		3,653	17,268	0.21
August	2017	1,832	6	1,191	20		3,049	4,015	0.76
September	2017	2,119	49	523	7	7	2,705	4,057	0.67
October	2017	42					42	84	0.50
January	2018	1,063					1,063	3,214	0.33
February	2018	464					464	1,971	0.24
March	2018	452					452	2,286	0.20
Total		11,214	55	1,744	35	7	13,055	36,195	0.36

NOTE: Estimates for April, July, and January-March are from creel surveys; other estimates are from catch record cards.

Table 16. 2017-2018 Sport Salmon Catch, Area 8-1 - Deception Pass / Hope Island

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	63					63	662	0.10
June	2017	8					8	13	0.62
July	2017	25					25	38	0.66
August	2017	17					17	26	0.65
November	2017	81					81	294	0.28
February	2018	122					122	347	0.35
March	2018	201					201	1,099	0.18
Total		517					517	2,479	0.21

NOTE: Estimates for April and November-March are from creel surveys; other estimates are from catch record cards.

Table 17. 2017-2018 Sport Salmon Catch, Area 8-2 - Port Susan / Port Gardner

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	148					148	983	0.15
May	2017	17					17	33	0.52
June	2017	142					142	257	0.55
July	2017	191	2				193	273	0.71
August	2017	34	75	75			184	279	0.66
September	2017	44	104	78			226	226	1.00
November	2017	76					76	542	0.14
December	2017	17					17	34	0.50
January	2018	8					8	17	0.47
February	2018	183					183	777	0.24
March	2018	302					302	2,140	0.14
Total		**1,162**	**181**	**153**			**1,496**	**5,561**	**0.27**

NOTE: Estimates for April and February-March are from creel surveys; other estimates are from catch record cards.

Table 18. 2017-2018 Sport Salmon Catch, Area 9 - Admiralty Inlet

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	528					528	1,215	0.43
May	2017	8					8	11	0.73
June	2017	33					33	46	0.72
July	2017	5,560	543	28			6,131	18,709	0.33
August	2017	39	2,804	907	12		3,762	4,276	0.88
September	2017	57	804	387			1,248	1,504	0.83
November	2017	25	34				59	81	0.73
December	2017	486				6	492	1,675	0.29
January	2018	8					8	11	0.73
February	2018	450					450	1,303	0.35
March	2018	1,564	3				1,567	3,983	0.39
Total		**8,758**	**4,188**	**1,322**	**12**	**6**	**14,286**	**32,814**	**0.44**

NOTE: Estimates from July 16-30, November, and February-March are from creel surveys; all other estimates are from catch record cards.

Table 19. 2017-2018 Sport Salmon Catch, Area 10 - Seattle / Bremerton

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	8					8	10	0.80
May	2017		8				8	9	0.89
June	2017		8				8	9	0.89
July	2017	495	2,152	8			2,655	6,937	0.38
August	2017	2,066	1,936	1,669		5	5,676	12,061	0.47
September	2017	128	14,783	240			15,151	14,650	1.03
October	2017	58	1,441				1,499	1,736	0.86
November	2017	36	17			171	224	662	0.34
December	2017	42					42	460	0.09
January	2018	107	19				126	367	0.34
February	2018	132					132	347	0.38
March	2018	50					50	50	1.00
Total		**3,122**	**20,364**	**1,917**		**176**	**25,579**	**37,298**	**0.69**

NOTE: Estimates from July 16-August 15, and November-February estimates are from creel surveys; all other estimates are from catch record cards.

Table 20. 2017-2018 Sport Salmon Catch, Area 11 - Tacoma / Vashon Island

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	42					42	64	0.66
June	2017	147	12				159	3,379	0.05
July	2017	754	492	84			1,330	9,541	0.14
August	2017	2,421	1,226	529			4,176	16,677	0.25
September	2017	275	1,428	53			1,756	6,303	0.28
October	2017	171	247				418	583	0.72
November	2017	163	4				167	163	1.02
December	2017	75					75	93	0.81
January	2018	176	8				184	207	0.89
February	2018	171	5				176	166	1.06
March	2018	241	2				243	249	0.98
Total		**4,636**	**3,424**	**666**			**8,726**	**37,425**	**0.23**

NOTE: Estimates for June-September are from creel surveys; other estimates are from catch record cards.

Table 21. 2017-2018 Sport Salmon Catch, Area 12 - Hood Canal

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	134					134	141	0.95
July	2017	36		190			226	239	0.95
August	2017	1,255	888	166			2,309	1,920	1.20
September	2017	1,168	1,520	19		9	2,716	2,061	1.32
October	2017	70	11			2,145	2,226	1,020	2.18
November	2017					3,517	3,517	1,183	2.97
December	2017	59					59	47	1.26
January	2018	33					33	57	0.58
February	2018	29	5				34	39	0.87
March	2018	143					143	188	0.76
Total		**2,927**	**2,424**	**375**		**5,671**	**11,397**	**6,895**	**1.65**

Table 22. 2017-2018 Sport Salmon Catch, Area 13 - South Puget Sound

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Marine Angler Trips	Salmon per Trip
April	2017	34	67				101	72	1.40
May	2017	119	48				167	119	1.40
June	2017	117					117	102	1.15
July	2017	533	129				662	694	0.95
August	2017	2,212	86	29			2,327	2,885	0.81
September	2017	790	263	35			1,088	1,317	0.83
October	2017	44	44			222	310	399	0.78
November	2017					520	520	347	1.50
December	2017	17	8			17	42	42	1.00
January	2018	53	106				159	265	0.60
February	2018	4	96				100	65	1.54
March	2018	101	50				151	151	1.00
Total		**4,024**	**897**	**64**		**759**	**5,744**	**6,458**	**0.89**

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COASTAL RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Grays Harbor	Elk River	342	Coho							69						69
			Total							69						69
	Hoquiam River	355	Coho							39	39					78
			Total							39	39					78
	Humptulips River	358	Chinook						1,198	1,000	30					2,228
			Chum							49	49					98
			Coho						60	856	159	299	90			1,464
			Jackchin						29	39						68
			Jackcoho							20						20
			Total						1,287	1,964	238	299	90			3,878
	Johns River	367	Coho							10						10
			Total							10						10
	Wishkah River	335	Chum								10					10
			Coho							88	20	39				147
			Jackcoho							10						10
			Total							98	30	39				167
Chehalis R. System	Chehalis River	315	Chinook					10	10							20
			Chum							20						20
			Coho						612	2,618	642	247				4,119
			Jackchin						49	99						148
			Jackcoho						503	877	10					1,390
			Total					10	1,174	3,614	652	247				5,697
	Newaukum River	325	Coho									39				39
			Total									39				39
	Quigg Lake	370	Coho							10						10
			Total							10						10
	Satsop River	329	Chum							99	246					345
			Coho						10	493	424	355	39	10		1,331
			Jackchin							10						10
			Jackcoho							59	10					69
			Total						10	661	680	355	39	10		1,755

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COASTAL RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Chehalis R. System (cont.)	Skookumchuck River	333	Coho								20	30				50
			Total								20	30				50
	Wynoochee River	337	Chum							30	10					40
			Coho							89	59	30				178
			Jackcoho							10						10
			Total							129	69	30				228
Copalis R. System	Copalis River	339	Coho							232	39					271
			Jackcoho							96						96
			Total							328	39					367
Hoh R. System	Hoh River above Oxbow Launch	348	Chinook							10	20					30
			Coho							119	54					173
			Total							129	74					203
	Hoh River below Oxbow Launch	350	Chinook						71	81	41					193
			Coho						72	289	351					712
			Jackchin							41						41
			Jackcoho							41						41
			Total						143	452	392					987
Joe Creek System	Joe Creek	323	Coho							132	81	20				233
			Jackcoho							10						10
			Total							142	81	20				243
Queets R. System	Clearwater River	392	Chinook						10							10
			Total						10							10
	Queets River	394	Chinook						10							10
			Coho						83							83
			Jackcoho						10							10
			Total						103							103
	Salmon River (Jefferson Co)	396	Coho						10							10
			Total						10							10

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COASTAL RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Quillayute R. System	Bogachiel River	398	Chinook							10						10
			Coho								99					99
			Sockeye							10						10
			Jackchin							79						79
			Jackcoho								10					10
			Total							99	109					208
	Calawah River	400	Chinook				10		30							40
			Coho								10					10
			Total				10		30		10					50
	Dickey River (Clallam Co)	402	Jackcoho							20						20
			Total							20						20
	Quillayute River	404	Chinook			10			49	247	10					316
			Coho				89	238	159	1,837	20					2,343
			Jackchin						30	129						159
			Jackcoho					10	30	109						149
			Total			10	89	248	268	2,322	30					2,967
	Sol Duc River	406	Chinook	10	220	529	130	20	30	10	10				10	969
			Coho			32	116	116	126	53	547					990
			Sockeye			20	10									30
			Jackchin			49			10	40						99
			Jackcoho			10		20								30
			Total	10	220	640	256	156	166	103	557				10	2,118
Quinault R. System	Quinault River	410	Chinook							21						21
			Coho							10	10					20
			Jackchin						10							10
			Total						10	31	10					51
Sooes R. System	Sooes River (Clallam Co.)	418	Coho					10								10
			Total					10								10
Van Winkle Creek	Van Winkle Creek	419	Coho								10					10
			Total								10					10

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COASTAL RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Willapa Bay	Naselle River	375	Chinook					90	348	149	10					597
			Chum								20					20
			Coho						60	726	139	109				1,034
			Jackchin					10	30	10						50
			Jackcoho						10	40						50
			Total					100	448	925	169	109				1,751
	Nemah River	379	Chinook				20	30	1,731	418						2,199
			Chum							20						20
			Coho						10	10	10					30
			Jackchin						70							70
			Total				20	30	1,811	448	10					2,319
	Niawiakum River	389	Chinook						60							60
			Total						60							60
	North River	382	Coho							159	119					278
			Jackcoho							100						100
			Total							259	119					378
	Smith Creek (Pacific Co)	384	Chinook							10						10
			Coho							129	50					179
			Jackcoho							70						70
			Total							209	50					259
	Willapa River	424	Chinook					10	398	806	20					1,234
			Coho						50	159	169	328	50			756
			Jackchin							10						10
			Total					10	448	975	189	328	50			2,000
Coastal River Totals			Chinook	10	220	539	160	160	3,945	2,762	141				10	7,947
			Chum							218	335					553
			Coho			32	205	364	1,252	8,127	3,071	1,496	179	10		14,736
			Sockeye			20	10			10						40
			Jackchin			49		10	228	457						744
			Jackcoho			10		30	553	1,462	30					2,085
			Total	10	220	650	375	564	5,978	13,036	3,577	1,496	179	10	10	26,105

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Columbia R. Mainstem	B10 Line - Rocky Pt - Tongue Pt Line	519	Chinook	91	20	43	53	4,735	2,133	93					26	7,194
			Coho					1,855	4,868	209	40					6,972
			Jackchin			11										11
			Jackcoho							2						2
			Total	91	20	54	53	6,590	7,001	304	40				26	14,179
	Columbia - below Bonneville	521	Chinook	4,335	89	1,480	348	1,935	9,614	2,323	10			6	941	21,081
			Coho					133	534	673	30					1,370
			Sockeye			132	7									139
			Jackchin	88		114	54	117	594	138					2	1,107
			Jackcoho						16	22						38
			Total	4,423	89	1,726	409	2,185	10,758	3,156	40			6	943	23,735
Cowlitz R. System	Cispus River	555	Chinook				69	20								89
			Coho							247	237	138				622
			Jackchin						10	40	10	10				70
			Jackcoho							119	20	10				149
			Total				69	20	10	406	267	158				930
	Cowlitz R. below Mayfield Dam	561	Chinook	1,774	2,013	1,086	349	169	459	30			10		219	6,109
			Coho					69	119	1,532	1,582	99				3,401
			Jackchin	131	151	50	71	30	60	30						523
			Jackcoho						31	216	10					257
			Total	1,905	2,164	1,136	420	268	669	1,808	1,592	99	10		219	10,290
	Cowlitz R. between Mayfield & Cowlitz Falls Dams	563	Coho								10					10
			Total								10					10
	Cowlitz R. above Cowlitz Falls Dam	559	Chinook	158	208	218	138					11				733
			Coho						10	148	188	137				483
			Jackchin			30										30
			Jackcoho							69	30					99
			Total	158	208	248	138		10	217	218	148				1,345

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Cowlitz R. System (cont.)	Green River (Cowlitz Co.) below Toutle Hatchery	565	Chinook						10	59						69
			Coho							20						20
			Total						10	79						89
	Mill Cr. (Lewis Co.)	625	Chinook							10						10
			Total							10						10
	Tilton River	571	Chinook							45	23	14				82
			Coho							438	292	39				769
			Jackchin							20						20
			Jackcoho							59	49	10				118
			Total							562	364	63				989
	Toutle River	573	Chinook						20							20
			Coho							10						10
			Total						20	10						30
	Toutle River, No Fork	575	Chinook						59							59
			Coho						20	10						30
			Total						79	10						89
Lewis R. System	Lewis River	611	Chinook			29		10	10			10				59
			Coho						10	19	10					39
			Jackcoho						10							10
			Total			29		10	30	19	10	10				108
	Lewis River, North Fork	615	Chinook	10		146	10	39	340	311	58	19				933
			Coho						302	399	195					896
			Jackchin			68			29	117						214
			Jackcoho						68	97						165
			Total	10		214	10	39	739	924	253	19				2,208

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Lower Columbia	Deep River (Wahkiakum Co)	580	Chinook					19								19
			Total					19								19
	Elochoman R. above Foster Rd Bridge	584	Chinook							10						10
			Total							10						10
	Elochoman R. below Foster Rd Bridge	583	Jackchin							10						10
			Total							10						10
	Grays River above Barr Rd Bridge	595	Chinook							19						19
			Coho							10						10
			Total							29						29
	Grays River below Barr Rd Bridge	594	Chinook						10							10
			Coho							19						19
			Total						10	19						29
	Grays River, West Fork	596	Coho							141	33					174
			Jackcoho							68						68
			Total							209	33					242
	Kalama River below Modrow Bridge	604	Chinook	77	454	19	10	58	396							1,014
			Coho						39	58						97
			Jackchin		29											29
			Total	77	483	19	10	58	435	58						1,140
	Kalama River between Modrow Bridge and Kalama Falls Hatchery	603	Chinook	48	609	425	10		10	10					10	1,122
			Coho							68	19					87
			Jackchin		19	77				19						115
			Total	48	628	502	10		10	97	19				10	1,324
	Little Washougal River	661	Chinook						19							19
			Total						19							19
	Washougal R., West Fork	665	Chinook							10						10
			Total							10						10

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Lower Columbia (cont.)	Washougal River above County Line Access	668	Chinook						19							19
			Coho							145	213					358
			Jackcoho							10						10
			Total						19	155	213					387
	Washougal River below County Line Access	667	Chinook					135	531	29						695
			Coho						29	19						48
			Jackchin						10	10						20
			Total					135	570	58						763
Lower Columbia System Totals			Chinook	6,493	3,393	3,446	987	7,120	13,630	2,949	91	54	10	6	1,196	39,375
			Coho					2,057	5,931	4,165	2,849	413				15,415
			Sockeye			132	7									139
			Jackchin	219	199	350	125	147	703	384	10	10			2	2,149
			Jackcoho						125	662	109	20				916
			Total	6,712	3,592	3,928	1,119	9,324	20,389	8,160	3,059	497	10	6	1,198	57,994
Klickitat River	Klickitat River above Fishway 5	608	Chinook			38	19	10	230	240						537
			Coho							38						38
			Jackchin						29	19						48
			Total			38	19	10	259	297						623
	Klickitat River below Fishway 5	607	Chinook		125	154	19		1,085	1,229	226	129				2,967
			Coho						29	1,085	1,032	783	250			3,179
			Jackchin		10	29			29	58	29	19				174
			Jackcoho							38	115	125	67			345
			Total		135	183	19		1,143	2,410	1,402	1,056	317			6,665
Little White Salmon River & Drano Lake	Little White Salmon River & Drano Lake	618	Chinook	123	1,335	170	19	341	919	350						3,257
			Coho					28	198	264						490
			Jackchin		38	28		19	179	56						320
			Jackcoho						28	19						47
			Total	123	1,373	198	19	388	1,324	689						4,114

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Mid Columbia	Columbia Bonneville Dam to The Dalles Dam	527	Chinook	10	39		20	178	2,633	967	10				10	3,867
			Coho						146	988	736	19	19			1,908
			Jackchin					10	300	107						417
			Jackcoho						10	10	10					30
			Total	10	39		20	188	3,089	2,072	756	19	19		10	6,222
	Columbia The Dalles Dam to John Day Dam	529	Chinook	29	10	10	49	234	1,703	325						2,360
			Coho						39	132	39					210
			Jackchin		10	10		29	145	48						242
			Jackcoho						19							19
			Total	29	20	20	49	263	1,906	505	39					2,831
	Columbia John Day Dam to McNary Dam	531	Chinook	10		10		10	29	136						195
			Coho							78						78
			Sockeye				10									10
			Jackchin			29	10									39
			Total	10		39	20	10	29	214						322
Wind R. System	Wind River above Shipherd Falls	677	Chinook			107										107
			Total			107										107
	Wind River below Shipherd Falls	680	Chinook		1,551	98	10		20	20						1,699
			Jackchin		145	21										166
			Total		1,696	119	10		20	20						1,865
Middle Columbia System Totals			Chinook	172	3,060	587	136	773	6,619	3,267	236	129			10	14,989
			Coho					28	412	2,585	1,807	802	269			5,903
			Sockeye				10									10
			Jackchin		203	117	10	58	682	288	29	19				1,406
			Jackcoho						57	67	125	125	67			441
			Total	172	3,263	704	156	859	7,770	6,207	2,197	1,075	336		10	22,749
Entiat River	Entiat River	586	Chinook				83		10	31						124
			Jackchin				21	10								31
			Total				104	10	10	31						155

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Okanogan R. System	Okanogan River	627	Chinook				10		31							41
			Jackchin				21									21
			Total				31		31							62
	Similkameen River	629	Chinook					41	31							72
			Total					41	31							72
Upper Columbia	Columbia McNary Dam to Hwy. 395 Bridge	533	Chinook					10	69	177						256
			Coho							10	10					20
			Jackchin					20		20						40
			Total					30	69	207	10					316
	Columbia Hwy. 395 Bridge to I-182 Bridge	534	Chinook				30	30	220	380						660
			Coho						10	10	10					30
			Sockeye				39									39
			Jackchin				10	10	39	39						98
			Total				79	40	269	429	10					827
	Columbia I-182 Bridge-old Hanford townsite	535	Chinook			90	60	30	1,108	4,922		10				6,220
			Coho							49						49
			Sockeye			180	490									670
			Jackchin			21	31		104	249						405
			Total			291	581	30	1,212	5,220		10				7,344
	Columbia Old Hanford townsite-Priest Rapids Dam	536	Chinook			30	30	10	1,008	4,728		10				5,816
			Coho						11	68						79
			Sockeye			10	69									79
			Jackchin			11	11		74	575						671
			Jackcoho							10						10
			Total			51	110	10	1,093	5,381		10				6,655
	Columbia Priest Rapids to Wanapum Dam	537	Chinook				384	49	99	355						887
			Sockeye				552									552
			Jackchin				49		30	30						109
			Total				985	49	129	385						1,548

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Upper Columbia (cont.)	Columbia Wanapum to Rock Island Dam	539	Chinook				10	10	39	286	10					355
			Sockeye				39									39
			Jackchin							20						20
			Total				49	10	39	306	10					414
	Columbia Rock Island to Rocky Reach Dam	541	Chinook				246	177	59	49						531
			Sockeye				345									345
			Jackchin				30	30	39	10						109
			Total				621	207	98	59						985
	Columbia Rocky Reach to Wells Dam	543	Chinook				1,032	415	81	20						1,548
			Sockeye				10									10
			Jackchin				89	30		10						129
			Total				1,131	445	81	30						1,687
	Columbia Wells to Chief Joseph Dam	545	Chinook				692	808	160	90						1,750
			Sockeye				922									922
			Jackchin				59	79	10	10						158
			Total				1,673	887	170	100						2,830
Wenatchee River System	Icicle Creek	672	Chinook			10	10									20
			Jackchin			10										10
			Total			20	10									30
	Wenatchee River	674	Chinook					83	41							124
			Total					83	41							124
Yakima R. System	Yakima River	690	Chinook			10			31	189	10					240
			Coho							86						86
			Jackchin			10										10
			Jackcoho							10						10
			Total			20			31	285	10					346

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

COLUMBIA RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Upper Columbia System Totals			Chinook			140	2,587	1,663	2,987	11,227	20	20				18,644
			Coho						21	223	20					264
			Sockeye			190	2,466									2,656
			Jackchin			52	321	179	296	963						1,811
			Jackcoho							20						20
			Total			382	5,374	1,842	3,304	12,433	40	20				23,395
Snake R. System	Snake River: below Ice Harbor	640	Chinook		20											20
			Jackchin						10							10
			Total		20				10							30
	Snake River: Lower Monumental to Little Goose Dam	644	Chinook		71				51	234						356
			Jackchin						31	245						276
			Total		71				82	479						632
	Snake River: Little Goose to Lower Granite Dam	646	Chinook							92	31					123
			Jackchin							20						20
			Total							112	31					143
	Snake River: Lower Granite to Interstate Bridge	648	Chinook						122							122
			Jackchin						20	41						61
			Total						142	41						183
	Snake River: upstream of Interstate Bridge	650	Chinook						24	48						72
			Jackchin						31	51						82
			Total						55	99						154
Snake River System Totals			Chinook		91				197	374	31					693
			Jackchin						92	357						449
			Total		91				289	731	31					1,142

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

PUGET SOUND RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Deschutes R. System	Deschutes River	728	Chinook				10									10
			Total				10									10
Dewatto R. System	Dewatto River	732	Coho							224	41					265
			Total							224	41					265
Duckabush R. System	Duckabush River	736	Chum								21					21
			Total								21					21
Dungeness R. System	Dungeness River	738	Coho							683	337	10				1,030
			Jackcoho							10						10
			Total							693	337	10				1,040
Green-Duwamish R. System	Green - Duwamish River	746	Chinook					11	284							295
			Chum					21	73	134	341					569
			Pink					1,316	3,489	1,761						6,566
			Coho					10	569	639	72					1,290
			Jackchin						20	41						61
			Jackcoho						91	132						223
			Total					1,358	4,526	2,707	413					9,004
Kennedy Cr. System	Kennedy Creek	754	Chum							25	37					62
			Total							25	37					62
Lake Washington System	Lake Sammamish	764	Coho							31						31
			Jackcoho							10						10
			Total							41						41
	Lake Washington	762	Coho						250	261						511
			Jackcoho							10						10
			Total						250	271						521
Minter Cr. System	Minter Creek	778	Chum								5,054	1,365	40			6,459
			Total								5,054	1,365	40			6,459

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

PUGET SOUND RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Nisqually R. System	Nisqually River	786	Chinook				20	1,307	6,348	778	20					8,473
			Chum									188	20			208
			Pink				10	115	1,275	188						1,588
			Coho					41	1,393	2,510						3,944
			Jackchin					670	2,439	180						3,289
			Jackcoho					10	297	267	10					584
			Total				30	2,143	11,752	3,923	30	188	20			18,086
Nooksack Samish R. System	Dakota Creek (Whatcom Co)	724	Coho							39						39
			Total							39						39
	Nooksack River	788	Chinook						19	10						29
			Chum							48	251	48				347
			Pink				10	1,248	290	10						1,558
			Coho						174	484	48					706
			Jackcoho							10						10
			Total				10	1,248	483	562	299	48				2,650
	Samish River	816	Chinook					503	5,367	1,507						7,377
			Pink						97	49						146
			Coho						68	39						107
			Jackchin					39	513	232						784
			Jackcoho						19							19
			Total					542	6,064	1,827						8,433
	Whatcom Creek	884	Chum							126	676	19				821
			Coho								78					78
			Total							126	754	19				899
Puyallup R. System	Carbon River	802	Chinook						261	131						392
			Pink						208	174						382
			Coho						113	287	31					431
			Jackchin						163	82						245
			Jackcoho						20	29						49
			Total						765	703	31					1,499

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

PUGET SOUND RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Puyallup R. System (cont.)	Puyallup River	804	Chinook					278	564	79						921
			Chum									39				39
			Pink					4,567	5,530	139						10,236
			Coho					422	2,718	511	140	10				3,801
			Jackchin					216	411	20						647
			Jackcoho					110	359	120						589
			Total					5,593	9,582	869	140	49				16,233
Quilcene R. System	Quilcene River	812	Coho					746	1,401	82						2,229
			Jackcoho						20							20
			Total					746	1,421	82						2,249
Skagit R. System	Baker Lake	825	Sockeye				3,688	1,090	20							4,798
			Total				3,688	1,090	20							4,798
	Cascade River	826	Chinook			160	110									270
			Jackchin			50	40									90
			Total			210	150									360
	Skagit River	830	Chinook			180	80									260
			Pink					30								30
			Sockeye			100	180									280
			Jackchin			10										10
			Total			290	260	30								580
Snohomish R. System	Skykomish River	844	Chinook			255	245									500
			Pink					384	1,300	89	20					1,793
			Coho					10	41	194						245
			Jackchin			69	137	10								216
			Jackcoho						29	29						58
			Total			324	382	404	1,370	312	20					2,812
	Snohomish River	850	Pink					3,481	6,495	110						10,086
			Coho						507	1,490	10					2,007
			Jackcoho						29	69						98
			Total					3,481	7,031	1,669	10					12,191

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

PUGET SOUND RIVER SYSTEMS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Snohomish R. System (cont.)	Snoqualmie River	852	Pink					10	29							39
			Total					10	29							39
	Wallace River	860	Pink						78							78
			Coho							343	69					412
			Jackcoho							29						29
			Total						78	372	69					519
Puget Sound System Totals			Chinook			595	465	2,099	12,843	2,505	20					18,527
			Chum					21	73	333	6,380	1,659	60			8,526
			Pink				20	11,151	18,791	2,520	20					32,502
			Coho					1,229	7,234	7,817	826	20				17,126
			Sockeye			100	3,868	1,090	20							5,078
			Jackchin			129	177	935	3,546	555						5,342
			Jackcoho					120	864	715	10					1,709
			Total			824	4,530	16,645	43,371	14,445	7,256	1,679	60			88,810

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

UNKNOWN AREAS															
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Unknown Area Totals			Chinook	35	23	46	100	187	263	355	58					1,067
			Chum						13	26	38	13				90
			Pink				14	298	106	40						458
			Coho		27		14	71	410	254	53					829
			Sockeye					21								21
			Jackchin				23	12	46	46	12					139
			Jackcoho						17	17	17					51
			Total	35	50	46	151	589	855	738	178	13				2,655

Table 23. 2017-2018 Freshwater Salmon Sport Catch by Area and Month

STATEWIDE TOTALS																
System	Catch Area	CRC Code	Species	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Statewide Totals			Chinook	6,710	6,787	5,353	4,435	12,002	40,484	23,439	597	203	10	6	1,216	101,242
			Chum					21	86	577	6,753	1,672	60			9,169
			Pink				34	11,449	18,897	2,560	20					32,960
			Coho		27	32	219	3,749	15,260	23,171	8,626	2,731	448	10		54,273
			Sockeye			442	6,361	1,111	20	10						7,944
			Jackchin	219	402	697	656	1,341	5,593	3,050	51	29			2	12,040
			Jackcoho			10		150	1,616	2,943	291	145	67			5,222
			Total	6,929	7,216	6,534	11,705	29,823	81,956	55,750	16,338	4,780	585	16	1,218	222,850

Table 24. 2017-2018 Washington Sport Salmon Fishing, by Residence

County of Residence	Number Catch Record Cards	Population by County	% Catch Record Card Holders	Total Freshwater Salmon Catch	Total Marine Salmon Catch	Total Salmon	Average Catch per Card
Adams	1,219	19,506	6.2	573	19	592	0.49
Asotin	1,561	22,535	6.9	447		447	0.29
Benton	15,125	198,171	7.6	7,139	1,670	8,809	0.58
Chelan	5,834	76,533	7.6	2,349	1,013	3,362	0.58
Clallam	9,444	75,474	12.5	2,277	8,801	11,078	1.17
Clark	36,705	474,643	7.7	22,018	6,251	28,269	0.77
Columbia	446	4,047	11	219		219	0.49
Cowlitz	17,268	106,910	16.2	10,090	2,116	12,206	0.71
Douglas	2,741	41,945	6.5	1,111	225	1,336	0.49
Ferry	354	7,594	4.7	64	236	300	0.85
Franklin	6,607	92,125	7.2	2,678	121	2,799	0.42
Garfield	268	2,210	12.1	9		9	0.03
Grant	4,758	95,158	5	1,157	337	1,494	0.31
Grays Harbor	10,746	72,697	14.8	6,301	7,091	13,392	1.25
Island	11,329	83,159	13.6	1,020	3,844	4,864	0.43
Jefferson	3,941	31,234	12.6	228	4,641	4,869	1.24
King	95,244	2,188,649	4.4	32,170	32,623	64,793	0.68
Kitsap	22,365	266,414	8.4	3,842	13,287	17,129	0.77
Kittitas	2,820	46,205	6.1	519	766	1,285	0.46
Klickitat	2,602	21,811	11.9	3,096	192	3,288	1.26
Lewis	9,989	78,200	12.8	6,246	3,081	9,327	0.93
Lincoln	686	10,579	6.5	100	55	155	0.23
Mason	6,457	63,710	10.1	1,157	4,026	5,183	0.8
Okanogan	2,563	41,742	6.1	1,157	58	1,215	0.47
Pacific	4,230	21,626	19.6	3,205	3,804	7,009	1.66
Pend Oreille	507	13,354	3.8	182	148	330	0.65
Pierce	62,242	876,764	7.1	30,304	19,841	50,145	0.81
San Juan	2,380	16,715	14.2	9	1,732	1,741	0.73
Skagit	16,137	125,619	12.8	3,752	4,027	7,779	0.48
Skamania	1,154	11,837	9.7	956	85	1,041	0.9
Snohomish	60,021	801,633	7.5	20,853	18,107	38,960	0.65
Spokane	12,953	506,152	2.6	4,271	1,397	5,668	0.44
Stevens	3,263	44,730	7.3	828	205	1,033	0.32
Thurston	21,611	280,588	7.7	13,704	8,622	22,326	1.03
Wahkiakum	1,100	4,264	25.8	865	100	965	0.88
Walla Walla	3,840	60,567	6.3	920	210	1,130	0.29
Whatcom	17,981	221,404	8.1	5,026	2,778	7,804	0.43
Whitman	1,478	49,046	3	273	45	318	0.22
Yakima	14,031	250,193	5.6	7,713	1,664	9,377	0.67
Unknown WA	1,259			619	349	968	0.77
Washington Total	495,259	7,405,743	6.7	199,447	153,567	353,014	0.71
Other State Total	44,321			23,239	11,668	34,907	0.79
Canada	1,662			118	188	306	0.18
Other	587			46	32	78	0.13
Grand Total	541,829			222,850	165,455	388,305	0.72

Source: Table 1: Annual Estimates of the Resident Population for Counties of Washington: April 1, 2010 to July 1, 2017. Source: Population Division, U.S. Census Bureau. Release Date: June 2018.

Table 25. 2017-2018 Frequency Distribution of Estimated Salmon Catch Record Cards and Catch

#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	448,342	448,342	82.7%	82.7%	0	0	0.0%	0.0%
1	31,340	479,682	5.8%	88.5%	31,340	31,340	8.1%	8.1%
2	21,302	500,984	3.9%	92.5%	42,604	73,944	11.0%	19.0%
3	9,038	510,022	1.7%	94.1%	27,114	101,058	7.0%	26.0%
4	7,251	517,273	1.3%	95.5%	29,004	130,062	7.5%	33.5%
5	4,094	521,367	0.8%	96.2%	20,470	150,532	5.3%	38.8%
6	3,932	525,299	0.7%	96.9%	23,592	174,124	6.1%	44.8%
7	2,647	527,946	0.5%	97.4%	18,529	192,653	4.8%	49.6%
8	2,289	530,235	0.4%	97.9%	18,312	210,965	4.7%	54.3%
9	1,668	531,903	0.3%	98.2%	15,012	225,977	3.9%	58.2%
10	1,226	533,129	0.2%	98.4%	12,260	238,237	3.2%	61.4%
11	1,149	534,278	0.2%	98.6%	12,639	250,876	3.3%	64.6%
12	936	535,214	0.2%	98.8%	11,232	262,108	2.9%	67.5%
13	834	536,048	0.2%	98.9%	10,842	272,950	2.8%	70.3%
14	613	536,661	0.1%	99.0%	8,582	281,532	2.2%	72.5%
15	664	537,325	0.1%	99.2%	9,960	291,492	2.6%	75.1%
16	460	537,785	0.1%	99.3%	7,360	298,852	1.9%	77.0%
17	434	538,219	0.1%	99.3%	7,378	306,230	1.9%	78.9%
18	400	538,619	0.1%	99.4%	7,200	313,430	1.9%	80.7%
19	409	539,028	0.1%	99.5%	7,771	321,201	2.0%	82.7%
20	349	539,377	0.1%	99.5%	6,980	328,181	1.8%	84.5%
21	340	539,717	0.1%	99.6%	7,140	335,321	1.8%	86.4%
22	230	539,947	0.0%	99.7%	5,060	340,381	1.3%	87.7%
23	213	540,160	0.0%	99.7%	4,899	345,280	1.3%	88.9%
24	289	540,449	0.1%	99.7%	6,936	352,216	1.8%	90.7%
25	238	540,687	0.0%	99.8%	5,950	358,166	1.5%	92.2%
26	1,055	541,742	0.2%	100%	27,430	385,596	7.1%	99.3%
27	43	541,785	0.0%	100%	1,161	386,757	0.3%	99.6%
28	9	541,794	0.0%	100%	252	387,009	0.1%	99.7%
29	9	541,803	0.0%	100%	261	387,270	0.1%	99.7%
30 or more	27	541,830	0.0%	100%	1,035	388,305	0.3%	100.00%
Total	**541,830**		**100.0%**		**388,305**		**0.3%**	

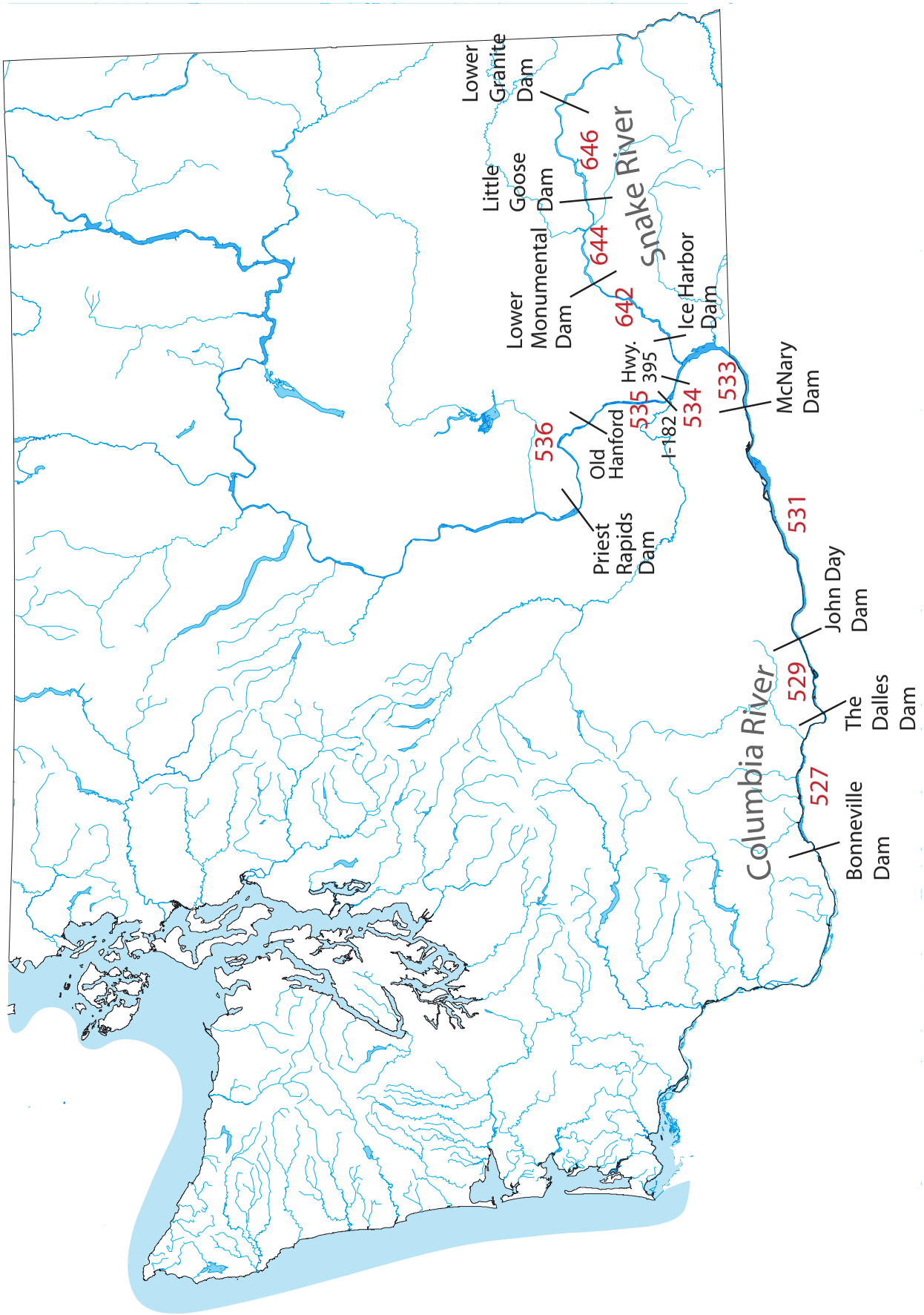
*Note: A single card has room for twenty-six salmon entries. Cards showing more than that were filled out incorrectly, with more than one salmon per line.

Table 26. 2017-2018 Sport Salmon Inventory of Catch Record Cards Received

Response Type	With Catch	No catch	Total Reports	Number of Salmon	Catch per Card
Prior to reminder	5,499	7,072	12,571	26,503	2.11
After 1st reminder postcard	4,200	19,721	23,921	15,192	0.64
After 2nd reminder postcard	1,297	8,391	9,688	4,324	0.45
Total	**10,996**	**35,184**	**46,180**	**46,019**	**1.00**

Sturgeon

Map Of Sturgeon Catch Record Card Areas



Description Of Sturgeon Catch Record Card Areas

Columbia River

527	Bonneville to the Dalles Dam
529	The Dalles Dam to John Day Dam
531	John Day to McNary Dam
533	McNary Dam to Highway 395 Bridge at Pasco
534	Highway 395 Bridge at Pasco to I-82 Bridge
535	I-82 Bridge to Old Hanford Townsite
536	Old Hanford Townsite to Priest Rapids Dam

Snake River

640	Below Ice Harbor Dam
642	Ice Harbor to Lower Monumental Dam
644	Lower Monumental to Little Goose Dam
646	Little Goose to Lower Granite Dam

Table 27. 2017-2018 Sport Sturgeon Catch, by Area and Month

COLUMBIA RIVER SYSTEMS														
Catch Area	Species	2017									2018			Total
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Columbia R 01: Buoy 10 to Tongue Pt.-Rocky Pt.	White			852										852
Columbia R 02: Tongue Pt. Rocky Pt. to Longview Br.	White			864				65						929
Columbia R 03: Longview Br. to I-5 Br.	White							118						118
Columbia R 05: Bonneville to The Dalles Dam	White			74							77	16		167
Columbia R 06: The Dalles to John Day Dam	White										8			8
Columbia R 07: John Day to McNary Dam	White										31			31
Columbia R 08: McNary Dam - Hwy 395 Bridge in Pasco	White			27	69									96
Columbia R 09: I-182 Bridge to old Hanford townsite	White		12	12	36									60
Columbia R 09: Old Hanford townsite to Priest Rapids Dam	White	84	12	48	12							12		168
Columbia R 16: above Grand Coulee Dam (Lake Roosevelt)	White		157	1,422	867									2,445
Elochoman River below Foster Rd. Bridge	White			12										12
Little White Salmon River & Drano Lake	White										24			24
Snake R1: below Ice Harbor Dam	White				12									12
Total	**White**	**84**	**181**	**3,311**	**996**			**183**			**140**	**28**		**4,922**

Table 27. 2017-2018 Sport Sturgeon Catch, by Area and Month (continued)

UNKNOWN														
Catch Area	Species	2017									2018			Total
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Unknown Area Totals	**White**		**12**	**60**				**12**						**84**

Table 27. 2017-2018 Sport Sturgeon Catch, by Area and Month (continued)

STATEWIDE TOTALS														
Catch Area	Species	2017									2018			Total
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Statewide Totals	**White**	**84**	**193**	**3,371**	**996**			**195**			**140**	**28**		**5,006**

Table 28. 2017-2018 Washington Sport Sturgeon Fishing, by Residence

County of Residence	Number Catch Record Cards	Population by County	% Catch Record Holders	Total Sturgeon	Average Catch per Catch Record Card
Adams	1,219	19,506	6.2	23	0.02
Asotin	1,561	22,535	6.9		
Benton	15,125	198,171	7.6	126	0.01
Chelan	5,834	76,533	7.6		
Clallam	9,444	75,474	12.5	23	0.00
Clark	36,705	474,643	7.7	743	0.02
Columbia	446	4,047	11		
Cowlitz	17,268	106,910	16.2	457	0.03
Douglas	2,741	41,945	6.5		
Ferry	354	7,594	4.7	23	0.06
Franklin	6,607	92,125	7.2	23	0.00
Garfield	268	2,210	12.1		
Grant	4,758	95,158	5	103	0.02
Grays Harbor	10,746	72,697	14.8	57	0.01
Island	11,329	83,159	13.6		
Jefferson	3,941	31,234	12.6		
King	95,244	2,188,649	4.4	23	0.00
Kitsap	22,365	266,414	8.4	23	0.00
Kittitas	2,820	46,205	6.1	11	0.00
Klickitat	2,602	21,811	11.9	23	0.01
Lewis	9,989	78,200	12.8	160	0.02
Lincoln	686	10,579	6.5	11	0.02
Mason	6,457	63,710	10.1	34	0.01
Okanogan	2,563	41,742	6.1	23	0.01
Pacific	4,230	21,626	19.6	400	0.09
Pend Oreille	507	13,354	3.8	46	0.09
Pierce	62,242	876,764	7.1	92	0.00
San Juan	2,380	16,715	14.2		
Skagit	16,137	125,619	12.8		
Skamania	1,154	11,837	9.7		
Snohomish	60,021	801,633	7.5	23	0.00
Spokane	12,953	506,152	2.6	937	0.07
Stevens	3,263	44,730	7.3	640	0.20
Thurston	21,611	280,588	7.7	57	0.00
Wahkiakum	1,100	4,264	25.8	69	0.06
Walla Walla	3,840	60,567	6.3	57	0.01
Whatcom	17,981	221,404	8.1	11	0.00
Whitman	1,478	49,046	3		
Yakima	14,031	250,193	5.6	92	0.01
Unknown WA	1,259			11	0.01
Washington Total	495,259	7,405,743	6.7	4,321	0.01
Other State Total	44,321			685	0.02
Canada	1,662				
Other	587				
Grand Total	**541,829**			**5,006**	**0.01**

Note: The figures do not accurately multiply across because of the bias adjustment factor and rounding of numbers.
Source: Table 1: Annual Estimates of the Resident Population for Counties of Washington: April 1, 2010 to July 1, 2017. Source: Population Division, U.S. Census Bureau. Release Date: June 2018

Table 29. 2017-2018 Frequency Distribution of Estimated Sturgeon Catch Record Cards and Catch

#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	537,609	537,609	99.2%	99.2%	0	0	0.0%	0.0%
1	3,436	541,045	0.7%	99.9%	3,436	3,436	68.6%	68.6%
2	785	541,830	0.1%	100.0%	1,570	5,006	31.4%	100.0%
Total	**541,830**		**100.0%**		**5,006**		**100.0%**	

Table 30. 2017-2018 Sport Sturgeon Inventory of Catch Record Cards Reported

Response Type	With Catch	No Catch	Total Reports	Number of Sturgeon	Catch per Card
Prior to reminder	203	16,828	17,031	246	0.014
After 1st reminder postcard	127	23,595	23,722	149	0.006
After 2nd reminder postcard	41	5,386	5,427	45	0.008
Total	**371**	**45,809**	**46,180**	**440**	**0.010**

Steelhead

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month

COASTAL RIVERS AND MARINE CATCH AREAS																
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Chehalis R. System	Chehalis R. above Black R.	W	Marked									3	21	114	45	183
	Chehalis R. below Black R.	S	Marked			6	6									12
		W	Marked								3	17	96	210	17	343
	Chehalis River, So. Fork	W	Marked											3		3
	Cloquallam Creek	S	Marked											3		3
	Newaukum River	W	Marked											3	3	6
	Satsop River	S	Marked							12						12
		W	Marked								10	10	303	385	172	880
	Satsop River, West Fork	W	Marked									3		7		10
	Skookumchuck River	S	Marked				13	6		6						25
		W	Marked	69								11	315	691	1,038	2,124
	Van Winkle Creek	S	Marked			6	6									12
		W	Marked									3	10			13
	Wishkah River	S	Marked							30						30
		W	Marked								10	3	3			16
	Wynoochee River	S	Marked			466	780	381	169	127						1,923
		W	Marked	10							31	224	678	781	466	2,190
	Chehalis R. System Totals	S	Marked			478	811	387	169	187						2,032
		W	Marked	79							54	274	1,426	2,197	1,741	5,771
Copalis R. System	Copalis River	W	Marked											14		14
Hoh R. System	Hoh River above Oxbow Launch	W	Marked								5	5	5	41	10	66
	Hoh River below Oxbow Launch	W	Marked									24	5	28	33	90
	Hoh River, So. Fork	W	Marked									5				5
	Hoh R. System Totals	W	Marked								5	34	10	69	43	161
Hoquiam R. System	Hoquiam River	W	Marked									14				14

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COASTAL RIVERS AND MARINE CATCH AREAS																
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Humptulips R. System	Humptulips River	S	Marked			38	142	115	35	77						407
		W	Marked	4							44	702	456	95	60	1,361
	Humptulips River, E. Fork	S	Marked				4	4								8
		W	Marked												8	8
	Humptulips River, W. Fork	W	Marked									4	8			12
	Stevens Creek	W	Marked									12	12	4		28
	Humptulips R. System Totals	S	Marked			38	146	119	35	77						415
		W	Marked	4							44	718	476	99	68	1,409
Marine Water	Area 1: Col R - Ledbetter	S	Marked				19	13								32
		W	Marked								19					19
	Area 2-1: Willapa Bay	W	Marked												9	9
	Marine Water Totals	S	Marked				19	13								32
		W	Marked								19				9	28
Marine Water	Area 2: Westport	W	Marked	C											5	5
	Area 2-2: Grays Harbor	S	Marked							6						6
	Area 4: Cape Flattery	S	Marked					6								6
	Marine Water Totals	S	Marked					6		6						12
		W	Marked												5	5
Naselle R. System	Naselle River	W	Marked								5	66		5		76
	Salmon Creek (Pacific Co.)	S	Marked					6								6
		W	Marked									5	5			10
	Naselle R. System Totals	S	Marked					6								6
		W	Marked								5	71	5	5		86
North R. System	North River	W	Marked										28			28
	Smith Creek (Pacific Co.)	W	Marked										5			5
	North R. System Totals	W	Marked										33			33
Ozette R. System	Ozette River	W	Marked									5				5

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COASTAL RIVERS AND MARINE CATCH AREAS																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Queets R. System	Clearwater River	W	Marked									4		4		8
	Queets River	S	Marked						12							12
		W	Marked									71	63	67		201
	Salmon River (Jefferson Co.)	W	Marked									63	134	71	8	276
	Queets R. System Totals	S	Marked						12							12
		W	Marked									138	197	142	8	485
Quillayute R. System	Bogachiel River	S	Marked				4	2								6
		W	Marked	4							137	1,183	129	39	86	1,578
	Calawah River	S	Marked			11	16	11	21	11						70
		W	Marked								73	437	13			523
	Quillayute River	W	Marked									17	4			21
	Sol Duc River	S				2										2
		W	Marked	5							5		5	27	27	69
	Quillayute R. System Totals	S	Marked			13	20	13	21	11						78
		W	Marked	9							215	1,637	151	66	113	2,191
Quinault R. System	Quinault R, Lower (below L. Quinault, not Cook Cr.)	W	Marked									9				9
	Quinault R, Upper (above L. Quinault)	W	Marked												5	5
	Quinault R. System Totals	W	Marked									9			5	14
Willapa R. System	Willapa River	W	Marked									102	147	122	26	397
Coastal Rivers/Streams and Marine Catch Area Totals		S	Marked			529	996	544	237	281						2,587
			Total			529	996	544	237	281						2,587
		W	Marked	92							342	3,002	2,445	2,714	2,018	10,613
			Total	92							342	3,002	2,445	2,714	2,018	10,613

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Coal Cr. System	Coal Creek (Cowlitz Co.)	S	Marked								3					3
Columbia R. Mainstem	Columbia R 01: Buoy 10 to Tongue Pt.-Rocky Pt.	S	Marked			9	3		1							13
		W	Marked												1	1
	Columbia R 02: Tongue Pt. Rocky Pt. to Longview Br.	S	Marked			249	391		12	10						662
		W	Marked	13									8		12	33
	Columbia R 03: Longview Br. to I-5 Br.	S	Marked			16	250		83	6						355
		W	Marked	17							4	8	12		7	48
	Columbia R 04: I-5 Br. to Bonneville Dam	S	Marked			11	105	1	15	5						137
		W	Marked	1								8			2	11
	Columbia R 05: Bonneville to The Dalles Dam	S	Marked				47	4	66	15		11			4	147
	Columbia R 06: The Dalles to John Day Dam	S	Marked					15	4	15	18	4				56
	Columbia R 07: John Day to McNary Dam	S	Marked		7	4		4			15	4	4			38
	Columbia R 08: McNary Dam - Hwy 395 Bridge @ Pasco	S	Marked						88			77	18			183
	Columbia R 09: Hwy 395 Bridge to I-182 Bridge	S	Marked							7	11					18
	Columbia R 09: I-182 Bridge to old Hanford townsite	S	Marked	15					4	78	140	81	63	37	144	562
	Columbia R 09: Old Hanford townsite to Priest Rapids Dam	S	Marked							4	11					15
	Columbia R. Mainstem Totals	S	Marked	15	7	289	796	24	273	140	195	177	85	37	148	2,186
		W	Marked	31							4	16	20		22	93

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Cowlitz R. System	Blue Creek (Lewis Co.)	S	Marked				4			25						29
		W	Marked												3	3
	Coweeman River	W	Marked									4		11	36	51
	Cowlitz R. above Cowlitz Falls Dam	W	Marked												4	4
	Cowlitz R. below Mayfield Dam	S	Marked		140	407	1,745	1,342	443	281						4,358
		W	Marked	2,518							116	18	62	211	1,059	3,984
	Cowlitz R. between Mayfield & Cowlitz Falls Dams	W	Marked	11							4				4	19
	Toutle River	S	Marked						4							4
	Toutle River, So. Fork	S	Marked		18	151	154	29	43	11						406
		W	Marked								7	4		4		15
	Cowlitz R. System Totals	S	Marked		158	558	1,899	1,371	490	292						4,768
		W	Marked	2,529							127	26	62	226	1,103	4,073
Elochoman R. System	Elochoman River above Foster Rd. Bridge	S	Marked		2	21										23
		W	Marked								42	277	53	3	3	378
	Elochoman River below Foster Rd. Bridge	S	Marked			4										4
		W	Marked								3	125	25	6		159
	Elochoman R. System Totals	S	Marked		2	25										27
		W	Marked								45	402	78	9	3	537
Grande Ronde R. System	Grande Ronde River	S	Marked						4	246	251	141	229	325	611	1,807
Grays R. System	Grays River above Barr Rd. Bridge	W	Marked									3	3			6
	Grays River below Barr Rd. Bridge	S	Marked							4						4
		W	Marked										3		3	6
	Grays River, West Fork	W	Marked									3		3		6
	Grays R. System Totals	S	Marked							4						4
		W	Marked									6	6	3	3	18

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Kalama R. System	Kalama River above Kalama Falls Hatchery	S	Marked	5		26	31						5			67
	Kalama River below Modrow Bridge	S	Marked		31	110	121	126	26							414
		W	Marked	36							13	49	13	13	18	142
	Kalama River between Modrow Bridge and Kalama Falls Hatchery	S	Marked		105	73	215	84	89	26						592
		W	Marked	58							31	103	27	18	22	259
	Kalama R. System Totals	S	Marked	5	136	209	367	210	115	26			5			1,073
		W	Marked	94							44	152	40	31	40	401
Klickitat R. System	Klickitat River above Fishway 5	S	Marked			50	91	109	136	50	14					450
	Klickitat River below Fishway 5	S	Marked	14	50	50	36	32	54	36	27	5	9			313
	Klickitat R. System Totals	S	Marked	14	50	100	127	141	190	86	41	5	9			763
Lewis R. System	Cedar Creek (Clark Co.)	S	Marked				10	7								17
	Lewis River (below E. Fork)	S	Marked			14	34		10							58
		W	Marked								7	39	14		4	64
	Lewis River, E. Fork	S	Marked				3									3
		W	Marked								4	7		4	7	22
	Lewis River, No. Fork	S	Marked		24	106	403	219	58	7						817
		W	Marked	4							7	158	35	11	4	219
	Lewis R. System Totals	S	Marked		24	120	450	226	68	7						895
		W	Marked	4							18	204	49	15	15	305
Little White Salmon R. Sys.	Little White Salmon River & Drano Lake	S	Marked	3		11	182			27				5		228
Salmon Cr. System (Clark)	Salmon Creek (Clark Co.)	W	Marked									44	59	15		118
Skamokawa Cr. System	Skamokawa Creek	W	Marked									6	3			9

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Snake R. Mainstem	Snake R 1: below Ice Harbor Dam	S	Marked								4					4
	Snake R 2: Ice Harbor to Lower Monumental Dam	S	Marked								179	214	80	22	45	540
	Snake R 3: Lower Monumental to Little Goose Dam	S	Marked								71	94	49	98	125	437
	Snake R 4: Little Goose to Lower Granite Dam	S	Marked								112	165	98	31	9	415
	Snake R 5: Lower Granite Dam to Interstate Bridge, Clarkston	S	Marked							44	44	53	19		10	170
	Snake R 6: upstream of the Interstate Bridge, Clarkston	S	Marked							502	463	82	135	5		1,187
	Snake R. Mainstem Totals	S	Marked							546	873	608	381	156	189	2,753
Tucannon R. System	Tucannon River	S	Marked						4	59					4	67
Walla Walla R. System	Touchet River	S	Marked											7	14	21
	Walla Walla River	S	Marked							62	62	7		69	49	249
	Walla Walla R. System Totals	S	Marked							62	62	7		76	63	270
Washougal R. System	Washougal River above County Line Access	S	Marked			5	5									10
		W	Marked									55	23			78
	Washougal River below County Line Access	S	Marked		40	119	70									229
		W	Marked	18							5	156	60	23	5	267
	Washougal River, West Fork	S	Marked			25	10	5	10							50
		W	Marked									5	5			10
	Washougal R. System Totals	S	Marked		40	149	85	5	10							289
		W	Marked	18							5	216	88	23	5	355

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
White Salmon R. System	Big White Salmon River	S	Marked			4	76	8	47							135
Wind R. System	Wind River below Shipherd Falls	S	Marked				17	8	102							127
Columbia River and Tributary System Totals (All non-Boldt)		S	Marked	37	417	1,465	4,003	1,993	1,303	1,520	1,422	938	709	599	1,015	15,421
			Total	37	417	1,465	4,003	1,993	1,303	1,520	1,422	938	709	599	1,015	15,421
		W	Marked	2,676							246	1,072	405	322	1,194	5,915
			Total	2,676							246	1,072	405	322	1,194	5,915

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Marine Water	Area 9: Admiralty Inlet	S	Marked				10			5						15
		W	Marked	5								22	22		11	60
Dungeness R. System	Dungeness River	W	Marked								22		5			27
Green-Duwamish R. Sys	Green (Duwamish River) (King Co.)	S	Marked			46	42	34	77	38						237
		W	Marked								43	71				114
	Soos Creek	S	Marked				4									4
	Green-Duwamish R. System Totals	S	Marked			46	46	34	77	38						241
		W	Marked								43	71				114
Hoko R. System	Hoko River	W	Marked									104	22	11	44	181
Morse Cr. System	Morse Creek (Clallam Co.)	W	Marked									5				5

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Nooksack R. System	Nooksack River, Mid. Fork	W	Marked									11	11			22
	Nooksack River, No. Fork	W	Marked									5	104	5		114
	Nooksack River, below North Fork	W	Marked									27	11			38
	Nooksack R. System Totals	W	Marked									43	126	5		174
Skagit R. System	Cascade River	W	Marked										5			5
	Skagit River	W	Marked									11	5			16
	Skagit R. System Totals	W	Marked									11	10			21
Snohomish R. System	Skykomish River	S	Marked			771	530	67	92	113						1,573
		W	Marked								116	1,021	672	54		1,863
	Skykomish River, No. Fork	S	Marked			8		4								12
		W	Marked									9	4			13
	Skykomish River, So. Fork	S	Marked			8		4	4							16
		W	Marked								4	27	18			49
	Snohomish River	S	Marked			46	4		13							63
		W	Marked									49	72			121
	Snoqualmie River	S	Marked			17				4						21
		W	Marked									166	49			215
	Tokul Creek	W	Marked									161	220	9		390
	Tolt River	W	Marked									4	4			8
	Wallace River	S	Marked						4	46						50
		W	Marked								27	206	121	4		358
	Snohomish R. System Totals	S	Marked			850	534	75	113	163						1,735
		W	Marked								147	1,643	1,160	67		3,017

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																	
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Stillaguamish R. System	Pilchuck Creek (Stillaguamish System)	S	Marked			5										5
	Stillaguamish R, No. Fork	W	Marked								5	22	16			43
	Stillaguamish R. System Totals	S	Marked			5										5
		W	Marked								5	22	16			43
Puget Sound, Strait of Juan de Fuca River Systems and Marine Catch Area Totals (All are Boldt Case Areas)		S	Marked			901	590	109	190	206						1,996
			Total			901	590	109	190	206						1,996
		W	Marked	5							217	1,921	1,361	83	55	3,642
			Total	5							217	1,921	1,361	83	55	3,642

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

UNKNOWN AREAS																
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Unknown Area Totals		S	Marked			54	54	11	22	22						163
			Total			54	54	11	22	22						163
		W	Marked	8							39	62	39	8	31	187
			Total	8							39	62	39	8	31	187

Table 31. 2017-2018 Steelhead Sport Catch, by Area and Month (continued)

STATEWIDE TOTALS																
System	River	Run	Mark Type	2017									2018			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Statewide Totals		S	Marked	37	417	2,949	5,643	2,657	1,752	2,029	1,422	938	709	599	1,015	20,167
		W	Marked	2,781							844	6,057	4,250	3,127	3,298	20,357
		Grand Total		2,818	417	2,949	5,643	2,657	1,752	2,029	2,266	6,995	4,959	3,726	4,313	40,524

Table 32. 2017-2018 Washington Sport Steelhead Fishing, by Residence

County of Residence	Number of Catch Record Cards	Population by County	% Catch Record Card Holders	Total Steelhead	Average Catch per Card
Adams	1,219	19,506	6.2	71	0.06
Asotin	1,561	22,535	6.9	687	0.44
Benton	15,125	198,171	7.6	722	0.05
Chelan	5,834	76,533	7.6	23	0.00
Clallam	9,444	75,474	12.5	1,029	0.11
Clark	36,705	474,643	7.7	3,420	0.09
Columbia	446	4,047	11	36	0.08
Cowlitz	17,268	106,910	16.2	2,485	0.14
Douglas	2,741	41,945	6.5	47	0.02
Ferry	354	7,594	4.7		
Franklin	6,607	92,125	7.2	639	0.10
Garfield	268	2,210	12.1	95	0.35
Grant	4,758	95,158	5	71	0.01
Grays Harbor	10,746	72,697	14.8	2,982	0.28
Island	11,329	83,159	13.6	23	0.00
Jefferson	3,941	31,234	12.6	178	0.05
King	95,244	2,188,649	4.4	6,686	0.07
Kitsap	22,365	266,414	8.4	970	0.04
Kittitas	2,820	46,205	6.1	165	0.06
Klickitat	2,602	21,811	11.9	580	0.22
Lewis	9,989	78,200	12.8	1,338	0.13
Lincoln	686	10,579	6.5		
Mason	6,457	63,710	10.1	828	0.13
Okanogan	2,563	41,742	6.1	47	0.02
Pacific	4,230	21,626	19.6	106	0.03
Pend Oreille	507	13,354	3.8	71	0.14
Pierce	62,242	876,764	7.1	3,668	0.06
San Juan	2,380	16,715	14.2	12	0.01
Skagit	16,137	125,619	12.8	213	0.01
Skamania	1,154	11,837	9.7	71	0.06
Snohomish	60,021	801,633	7.5	2,992	0.05
Spokane	12,953	506,152	2.6	1,645	0.13
Stevens	3,263	44,730	7.3	118	0.04
Thurston	21,611	280,588	7.7	3,100	0.14
Wahkiakum	1,100	4,264	25.8	556	0.51
Walla Walla	3,840	60,567	6.3	402	0.10
Whatcom	17,981	221,404	8.1	486	0.03
Whitman	1,478	49,046	3	224	0.15
Yakima	14,031	250,193	5.6	663	0.05
Unknown WA	1,259			23	0.02
Washington Total	**495,259**	**7,405,743**	**6.7**	**37,472**	**0.08**
Other State Total	44,321			2,993	0.07
Canada	1,662			47	0.03
Other	587			12	0.02
Grand Total	**541,829**			**40,524**	**0.07**

Source: Table 1: Annual Estimates of the Resident Population for Counties of Washington: April 1, 2010 to July 1, 2017. Source: Population Division, U.S. Census Bureau. Release Date: June 2018

Table 33. 2017-2018 Frequency Distribution of Estimated Steelhead Catch Record Cards and Catch

#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	527,188	527,188	97.3%	97.3%	0	0	0.0%	0.0%
1	7,427	534,615	1.4%	98.7%	7,427	7,427	18.3%	18.3%
2	2,932	537,547	0.5%	99.2%	5,864	13,291	14.5%	32.8%
3	1,218	538,765	0.2%	99.4%	3,654	16,945	9.0%	41.8%
4	875	539,640	0.2%	99.6%	3,500	20,445	8.6%	50.5%
5	497	540,137	0.1%	99.7%	2,485	22,930	6.1%	56.6%
6	485	540,622	0.1%	99.8%	2,910	25,840	7.2%	63.8%
7	154	540,776	0.0%	99.8%	1,078	26,918	2.7%	66.4%
8	236	541,012	0.0%	99.8%	1,888	28,806	4.7%	71.1%
9	225	541,237	0.0%	99.9%	2,025	30,831	5.0%	76.1%
10	118	541,355	0.0%	99.9%	1,180	32,011	2.9%	79.0%
11	24	541,379	0.0%	99.9%	264	32,275	0.7%	79.7%
12	24	541,403	0.0%	99.9%	288	32,563	0.7%	80.4%
13	47	541,450	0.0%	99.9%	611	33,174	1.5%	81.9%
14	59	541,509	0.0%	99.9%	826	34,000	2.0%	83.9%
15	59	541,568	0.0%	100.0%	885	34,885	2.2%	86.1%
17	59	541,627	0.0%	100.0%	1,003	35,888	2.5%	88.6%
18	24	541,651	0.0%	100.0%	432	36,320	1.1%	89.6%
19	24	541,675	0.0%	100.0%	456	36,776	1.1%	90.8%
20	47	541,722	0.0%	100.0%	940	37,716	2.3%	93.1%
21	12	541,734	0.0%	100.0%	252	37,968	0.6%	93.7%
22	12	541,746	0.0%	100.0%	264	38,232	0.7%	94.4%
25	12	541,758	0.0%	100.0%	300	38,532	0.7%	95.1%
26	12	541,770	0.0%	100.0%	312	38,844	0.8%	95.9%
27	24	541,794	0.0%	100.0%	648	39,492	1.6%	97.5%
28	24	541,818	0.0%	100.0%	672	40,164	1.7%	99.1%
30	12	541,830	0.0%	100.0%	360	40,524	0.9%	100.0%
Total	**541,830**		**100.0%**		**40,524**		**100.0%**	

Table 34. 2017-2018 Sport Steelhead Inventory of Catch Record Cards Reported

Response Type	With Catch	No Catch	Total Reports	Number of Steelhead	Catch per Card
Prior to reminder	658	11,959	12,617	2,079	0.16
After 1st reminder postcard	470	23,415	23,885	1,014	0.04
After 2nd reminder postcard	115	9,559	9,674	335	0.03
Total	1,243	44,933	46,176	3,428	0.07

Marine Fish

Table 35. 2017 Coastal Marine Fish Catch

Species	Catch Area					Total
	Area 1 Ilwaco	Area 2 Westport	Area 3 La Push	Area 4 Neah Bay (Ocean)	Area 4B Neah Bay (Strait)	
Black Rockfish	20,612	112,765	20,326	34,788	21,928	210,420
Blue Rockfish	154	270	160	744	148	1,476
Yellowtail Rockfish	7,625	31,043	637	714	60	40,079
China Rockfish	24	12	151	1,010	59	1,256
Quillback Rockfish	209	424	37	205	79	954
Copper Rockfish	67	48	21	461	88	685
Canary Rockfish	517	3,077	5	41	10	3,650
Yelloweye Rockfish	1	4	1	2		8
Tiger Rockfish	32	16	8	57	3	116
Vermillion Rockfish	8	3	3	447	30	491
Other Rockfish		10	1		5	16
Boccaccio	2	22	46	50		120
Lingcod	3,019	26,289	7,143	9,345	4,305	50,101
Kelp Greenling	445	266	213	919	1,130	2,973
Pacific Cod	1	6	18	86	24	135
Other Cod			10	17		27
Cabezon	393	441	357	1,002	406	2,599
Flatfish	683	3,729	16	262	350	5,040
Surf Perch	2,057	53		5	15	2,130
Albacore Tuna	14,176	16,180	72			30,428
Sharks and Skates	4	15		5		24
Miscellaneous	1,495	2,693	72	244	24	4,528

Table 36. Coastal Washington Recreational Pacific Halibut Catch 2000-2017

Year	Columbia Catch Area 1	South Coast Catch Area 2	North Coast Catch Areas 3-4
2000	370	1,980	4,286
2001	387	2,085	5,752
2002	347	1,644	5,219
2003	327	2,482	5,576
2004	447	3,455	5,627
2005	518	2,981	5,046
2006	693	2,377	4,562
2007	585	2,017	3,136
2008	667	2,375	4,408
2009	391	2,328	4,841
2010	428	2,259	5,438
2011	480	2,613	4,931
2012	350	2,588	5,130
2013	292	2,664	5,387
2014	540	2,465	6,064
2015	590	2,557	5,247
2016	702	2,543	6,003
2017	949	3,835	5,683

Table 40. 2017 Sport Bottomfish Catch by Boat-Based Anglers in Puget Sound

Species	Marine Area										Puget Sound Total
	5	6	7	8-1	8-2	9	10	11	12	13	
Pacific Halibut	1,008	1,135	280	5		54					2,482
Starry Flounder	45	29	55	2	3	45	3	561	228	391	1,362
Soles	89	18	170	4	1,193	3,016	4,085	624	32	515	9,746
Sanddabs		2			703	5,268	6,344	1,024	5	953	14,298
Misc. Flatfish	23		19		1,343	1,021	8,294	1,141		228	12,070
Sablefish											0
Lingcod	1,690	160	2,488	256	34	588	41	27		39	5,324
Greenlings	387	176	773	87	2	1,784		2			3,210
Copper Rockfish	267	5	29		2		7	5			316
Quillback Rockfish	61				1						62
Brown Rockfish	4						5				9
Black Rockfish	9,633	17					3				9,653
Blue Rockfish	51										51
Yellowtail Rockfish	26			3							29
Vermillion Rockfish	15										15
Yelloweye Rockfish	15										15
Canary Rockfish	3										3
China Rockfish	42										42
Other Rockfishes	100	220	59					2			381
Pacific Cod	129	9						1			139
Walleye Pollock											0
Pacific Tomcod											0
Pacific Hake											0
Cabezon	123		87	11	2	12	5	3			243
Other Sculpins	6				5	31	227	31			301
Perches				11	105	227	6			9	358
Spiny Dogfish		22	15	7	18	1	155	136		78	432
Ratfish							2				2
Skates	4										4
Total	**13,721**	**1,792**	**3,975**	**385**	**3,411**	**12,048**	**19,177**	**3,558**	**265**	**2,214**	**60,545**

Shellfish

Table 38. 2017-2018 Seasonal Summary of Sport Razor Clam Digging on Ocean Beaches

Location	Fall/Winter[1]			Spring[2]		
	Digger Trips	Clams Per Trip	Number of Clams	Digger Trips	Clams Per Trip	Number of Clams
Long Beach	63,662	10.4	663,861	30,551	5.2	159,420
Twin Harbors	36,051	12.1	435,334	19,537	9.4	184,562
Copalis	35,182	12.9	452,936	9,418	10.1	94,967
Mocrocks	39,046	11.2	437,347	24,169	12.7	307,697
Kalaloch						
Total	**173,941**	**11.4**	**1,989,478**	**83,675**	**8.9**	**746,646**

[1] During the 2017/2018 Season, Fall and Winter openers occur on evening (PM) tides that occured between October 06, 2017 and March 17, 2018.
[2] During the 2017/2018 Season, Spring openers occured on the morning (AM) tides that occur between April 19, 2018 and April 22, 2018.

Table 39. 2017 Clam and Oyster Recreational Use and Harvest Estimates from Intertidal Areas East of Dungeness Spit

Marine Areas	Beach Name	User Trips	Pounds of Clams Harvested								Number of Oysters
			Manila	Littleneck	Butter	Cockle	Softshell	Horse	Geoduck	Total	
6	Sequim Bay SP	3,299	277	5,316	49	4,674	89	1,567		11,972	33,887
7	Birch Bay SP	7,052	2,040	3,325	24,684	1,124	41	1,935		33,149	
	Drayton West	1,795	3,135	760	1,939	169	31	8		6,042	3,445
8-1	West Penn Cove	8,480	231	1,344	32,884	5,249	19	685		40,412	35,903
	Freeland CP	672	803	321	882	18	22			2,046	
9	Fort Flagler SP	1,687		2,170	6,985	543	6	1,800		11,504	
	Oak Bay CP	1,900	469	328	8,029	1,245	24	1,826	14	11,935	16
	Indian Island CP	833	1,050	103	1,200	85	3	324	46	2,811	73
	Port Gamble	2,165	4,351	927	1,245	571	135	1,295	41	8,565	13,986
	Wolfe + Shine SP	9,632	9,364	1,709	16,078	3,936	363	7,957	51	39,458	46,188
12	Dabob Broad Spit	410	1,261	119	5					1,385	770
	Quilcene Bay WDFW Tidelands	2,415	3,636				5			3,641	14,853
	Dosewallips SP	21,380	30,621	350	8	86	132			31,197	212,921
	Pt. Whitney Tidelands	1,066	568	65	32	3	1	2		671	12,600
	Pt. Whitney Lagoon	957	1,340			1				1,341	4,692
	Eagle Creek	1,471	138	29	6	87	2	2		264	10,467
	DNR-44A W Dewatto	1,499	1,364	345	100	83	1	17		1,910	19,566
	Rendsland Creek	887	422	47	16	162	4			651	12,542
	Potlatch SP	14,782	13,283	3,234	5,711	3,470	71	416		26,185	116,338
	Belfair SP	6,834	7,514				28			7,542	62,466
	Duckabush	1,892	1,530	60	116	374	18	6	80	2,184	10,417
	Triton Cove Tidelands	819	92	10	11	9				122	8,719
	Lilliwaup SP	1,435	10	504	2,842	578	1	220		4,155	10,985
	Twanoh SP	7,860	6,322	38	12	3,287	44			9,703	81,912
13	North Bay	439	1,018	57	6	6	3			1,090	2,079
Total		101,661	90,839	21,161	102,840	25,760	1,043	18,060	232	259,935	714,825

Note: Puget Sound recreational clam and oyster harvest estimates are shown in Table 39. Harvest totals for Manila and native littleneck clams, butter clams, cockles, softshell clams, horse clams, geoducks and Pacific oysters are shown for public access beaches along the 2017 aerial survey route as determined by annual state/Treaty management plans. Not all public tidelands are assessed for recreational harvest. In some cases, state/tribal agreements allow for estimates of sport harvester trips only without associated catch estimates, as displayed in Table 40. Estimates show 101,661 harvester trips gathered 227,051 total pounds of clams and 714,825 oysters from the 2017 group of monitored beaches.

Table 40. 2017 Puget Sound and Hood Canal Sport Spot Shrimp Fishery

Area	Date	Angler Trips	Pounds	CPUE (lbs. per trip)
4, 5	May-September	429	1,300	3.0
6	May-August	2,116	13,569	6.4
6 (Discovery Bay)	May (4 days)	768	2,354	3.1
7	May-July	12,395	54,693	4.4
8-1 & 8-2	May (2 days)	3,488	19,566	5.6
9	May (2 days)	1,878	9,056	4.8
10	May (1 day)	1,534	8,895	5.8
11	May (1 day)	638	2,910	4.6
12	May-June (5 days)	20,410	90,007	4.4
13	May (2 days)	1022	2,315	2.3
Total		**44,678**	**204,665**	**4.6**

Table 41. 2017 Sport Dungeness Crab Catch (all gear types)

Marine Area and location		Summer Season (lb. of crab)	Fall/Winter Season (lb. of crab)
4	Neah Bay	1,540	72
5	Sekiu/Pillar Point	3,777	241
6	Port Angeles Harbor, Dungeness & Sequim Bays, Discovery Bay	134,749	19,245
7	Gulf of Georgia, North of San Juan Islands, Bellingham Bay, Samish Bay, San Juan Islands, Anacortes	467,102	73,401
8-1	Skagit Bay, North Saratoga Passage, Holmes Harbor	360,342	16,683
8-2	South Saratoga Passage, Port Susan, Port Gardner	318,244	22,885
9 [1]	Admiralty Inlet, Port Townsend Bay, Useless Bay	81,455	14,576
10	Seattle/Kingston, Port Orchard	45,340	263
11	Colvos Pass, East Pass	16,332	9
12, 9 [2]	Port Ludlow/Port Gamble, Upper Hood Canal, Central Hood Canal, Lower Hood Canal	84,135	101
13	South Puget Sound	4,221	5
Total		**1,517,237**	**147,481**

[1] Excluding all waters of Marine Area 9 south of a line from Foulweather Bluff to Olele Point.
[2] Including all waters of Marine Area 9 south of a line from Foulweather Bluff to Olele Point.

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