

Washington State Sport Catch Report 2021



**by Eric Kraig
and
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WASHINGTON STATE SPORT CATCH REPORT 2021

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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 2021 sport estimates reflect harvest for the “License Year” which ran from April 1, 2021 through March 31, 2022. These April-March license years have been used since 2000. Prior to that, salmon and marine fish estimates were made on a calendar year basis and steelhead estimates were made using a May-April year.

Year 2020 turned out to be a challenging year for fishery managers and anglers alike. The Covid-19 global pandemic began in March 2020, right before the start of the new fishing year. Fishing was closed statewide on March 25. No fisheries were open in April 2020. Some areas reopened on May 5, but other areas remained closed, depending on advisories by local health departments. Even after reopening, some areas were less accessible due to boat ramp closures and other restrictions.

Sport Licenses and Catch Record Cards

In 2021, 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, 2021 through March 31, 2022. 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 2021-2022 cards.

METHODS

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 due 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 2021 the return rate was about 30%, so the expansion factor was:

$$\frac{1}{0.30 (0.25)} = 13.34$$

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 2021, 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 2021 are shown in Table 4. Between April 1, 2021, and March 31, 2022 a total of 255,821 salmon were caught in marine areas, and 419,304 salmon were caught in freshwater. The marine totals by species, as shown in Table 5, are: 56,210 chinook; 115,306 coho; 3,336 chum; 79,565 pink; 0 sockeye; and 152 jacks (all species combined). Freshwater species breakdowns are: 91,044 chinook; 93,432 coho; 7,657 chum; 168,756 pink; 33,471 sockeye; 24,944 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 2021, based on creel surveys and catch record card returns, was 2,901 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 2021-2022 season geographically by stream and river system.

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 2021 and the spring of 2022 484,387 digging trips resulted in a harvest of 2,214,875 clams, for an average of 17 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 110,236 sport harvester trips gathered 298,522 total pounds of clams and 632,116 oysters in 2021 on the monitored beaches.

The Puget Sound and Hood Canal shrimp fishery harvest is reported in Table 40. Shrimpers caught 238,318 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 1,581,746 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, 2021 - March 31, 2022 - License Year			
Type of License	Price	Number Sold	Value
Saltwater			
Resident	\$30.05	24,248	\$770,625
Non-Resident	\$59.75	26,900	\$170,456
Senior	\$8.05	4,162	\$25,625
Freshwater			
Resident	\$29.50	308,988	\$7,724,700
Non-Resident	\$84.50	15,215	\$1,140,975
Senior	\$7.50	30,412	\$152,060
Shellfish/Seaweed			
Resident	\$17.40	74,482	\$959,060
Non-Resident	\$36.10	8,435	\$211,599
Senior	\$7.50	10,838	\$67,310
Combination (Saltwater/Freshwater/Shellfish)			
Resident	\$55.35	122,482	\$5,511,690
Fish Washington	\$69.55	63,034	\$3,813,557
Get Outdoors	\$236.18	6,728	\$1,404,806
Non-Resident	\$124.65	6,139	\$663,012
Senior	\$19.05	24,356	\$365,340
Disabled/Veteran - Res	\$11.35	16,218	\$81,090
Disabled/Veteran - NR	\$55.35	653	\$29,385
Youth	\$8.05	11,449	\$57,245
Short-term Combination			
1-day Resident	\$11.35	37,478	\$299,824
1-day Non-Resident	\$20.15	33,461	\$535,376
2-day Resident	\$15.75	7,645	\$91,740
2-day Non-Resident	\$28.95	11,869	\$284,856
3-day Resident	\$19.05	9,818	\$147,270
3-day Non-Resident	\$35.55	19,708	\$591,210
Razor Clam			
Annual Resident	\$14.10	24,210	\$193,680
Annual Non-resident	\$21.80	2,972	\$49,185
3-day	\$9.70	30,921	\$154,605
PS Crab Endorsement			
Annual	\$8.75	122,736	\$920,520
1-5 day	\$3.80	8,727	\$26,181
Catch Cards with Halibut			
All	\$5.00	47,362	\$236,810
Charter/Guide Stamps			
	\$8.50	29,945	\$254,320
Two-Rod Endorsements			
Resident / Non-resident	\$14.80	74,200	\$1,020,643
Senior	\$6.00	13,975	\$72,950
Duplicates			
Additional Catch Cards	\$12.60	21,437	\$235,807
Licenses	\$9.70	236	\$1,084
Total		1,251,439	\$28,264,596

*Value does not include service charges and other fees that are included in the listed customer price.

TECHNICAL DATA

Table 2. Number of Catch Record Cards Issued 1971-2021

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
2018-2019	498,791	200,962	24,620
2019-2020	499,128	192,794	23,578
2020-2021	579,430	213,823	36,458
2021-2022	600,810	225,280	26,843

*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. 2021-2022 Catch Record Card Technical Data

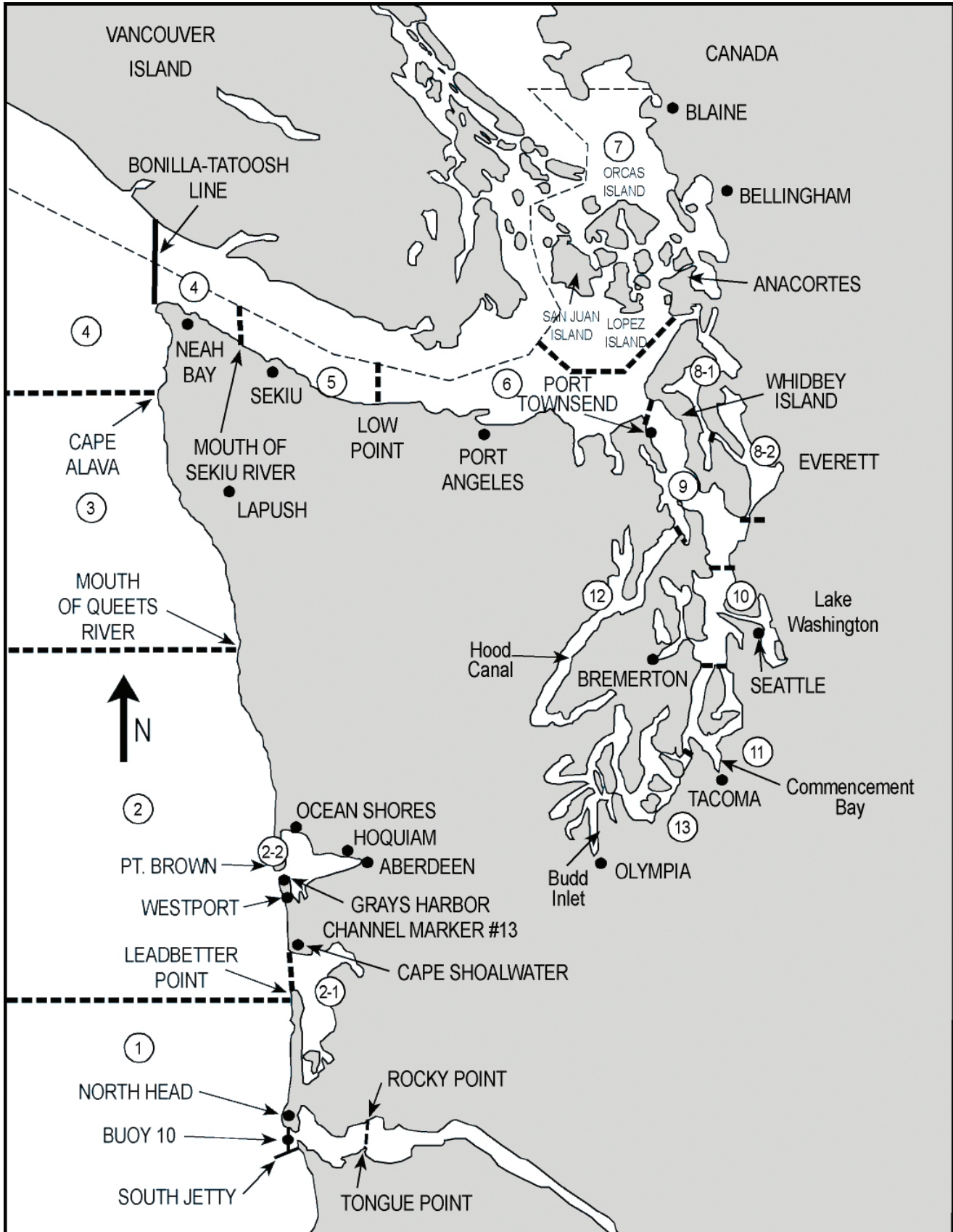
Cards Issued	600,810
In-sample cards	150,203
In-sample cards returned	35,951
Expansion Factor (Cards Issued / In-sample Returns)	16.71
Non-reporting bias correction factors	
Salmon - Marine Area 5	1.00
Salmon - Puget Sound Marine Areas	1.46
Salmon - Freshwater, Grays Harbor, Willapa Bay	1.20
Steelhead	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 #4FI 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 110° 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 1971-2021

Year	Total	Freshwater	Unknown	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	86,630	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	2,419	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
2018	337,807	152,856	1,766	15,063		20,122	1,969	1,289	1,130	8,225	19,505	14,972	13,867		1,640	11,646	15,924	32,650	12,468	8,228	4,487
2019	427,475	194,154	2,083	39,690		22,168	3,193	2,117	2,656	10,931	24,287	12,334	11,916		2,402	11,614	32,489	39,879	8,810	3,626	3,126
2020	372,284	219,529	1,921	9,936		12,534	1,472	2,637	151	5,115	42,018	7,657	12,528			441	10,680	31,964	5,790	4,519	3,392
2021	675,125	415,663	3,641	30,673		26,392	1,338	2,048	1,614	8,273	40,456	12,754	4,614		2,147	18,785	46,811	37,051	10,131	8,236	4,498

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 2021-2022 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)	4,641	26,022		10				30,673	30,217	1.02
Westport (Area 2)	6,570	19,778		44				26,392	22,806	1.16
Willapa Bay (Area 2.1)	810	473				55		1,338	N/A	
Grays Harbor (Area 2.2)	321	1,630				55	42	2,048	N/A	
LaPush (Area 3)	244	1,290		80				1,614	1,530	1.05
Neah Bay (Area 4)	4,503	2,677		1,093				8,273	10,943	0.76
Subtotal Coast*	17,089	51,870				110	42	70,338	65,496	1.02
Seki-Pillar Point (Area 5)	11,155	19,788		9,494	19			40,456	41,691	0.97
East Juan de Fuca (Area 6)	5,217	2,338	7	5,192				12,754	19,193	0.66
San Juan Islands (Area 7)	2,946	502		1,166				4,614	9,338	0.49
Deception Pass, Hope Island (Area 8-1)		602		1,545				2,147	2,169	0.99
Port Susan & Port Gardner (Area 8-2)	930	1,675	14	16,166				18,785	19,577	0.96
Admiralty Inlet (Area 9)	5,720	7,504	12	33,575				46,811	52,382	0.89
Seattle-Bremerton (Area 10)	4,989	22,891	21	9,150				37,051	57,620	0.64
Tacoma-Vashon Island (Area 11)	3,673	3,429	6	3,017	6			10,131	41,848	0.24
Hood Canal (Area 12)	1,587	4,126	2,333	190				8,236	4,023	2.05
South Puget Sound (Area 13)	2,904	581	943	70				4,498	5,530	0.81
Subtotal Puget Sound	39,121	63,436	3,336	79,565				185,483	253,371	0.73
Marine Area Totals*	56,210	115,306	3,336	79,565		110	42	255,821	318,867	0.80
Freshwater Totals	91,044	93,432	7,657	168,756	33,471	11,123	13,821	419,304	N/A	
Grand Totals	147,254	208,738	10,993	248,321	33,471	11,233	13,863	675,125	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. 2021 Sport Salmon Catch, Area 1 - Ilwaco: Ocean

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
June 20	2021	158					158	295	0.54
June 27	2021	275	147				422	1,004	0.42
July 4	2021	80	659				739	931	0.79
July 11	2021	222	2,040	2			2,264	2,039	1.11
July 18	2021	579	1,372				1,951	2,575	0.76
July 25	2021	419	1,495	5			1,920	2,388	0.80
August 1	2021	212	2,323	3			2,537	2,431	1.04
August 8	2021	541	4,256				4,797	4,034	1.19
August 15	2021	768	5,001				5,769	4,289	1.35
August 22	2022	1,024	4,429				5,453	4,589	1.19
August 29	2021	364	4,301				4,664	5,644	0.83
Total		4,641	26,022	10			30,673	30,217	1.02

Table 7. 2021 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 1	2021	55	27				82	323	0.25
August 8	2021	65	47				112	1,658	0.07
August 15	2021	676	264				940	3,614	0.26
August 22	2021	1,551	1,244				2,795	5,901	0.47
August 29	2021	514	2,355				2,869	4,639	0.62
September 5	2021	43	1,312				1,355	4,094	0.33
September 12	2021	3	1,730				1,733	3,098	0.56
September 19	2021		881				881	1,254	0.70
September 26	2021	2	710				712	908	0.78
Sep 27-Oct 31	2021	16	314				330	628	0.53
Total		2,925	8,884				11,809	26,117	0.45

Table 8. 2021 Sport Salmon Catch, Area 2 - Westport

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
June 20	2021	208					208	359	0.58
June 27	2021	710	17				728	1,344	0.54
July 4	2021	867	115				982	1,301	0.75
July 11	2021	884	353				1,237	1,698	0.73
July 18	2021	560	672	7			1,240	1,809	0.69
July 25	2021	571	221	1			793	1,736	0.46
August 1	2021	676	647	13			1,335	1,619	0.82
August 8	2021	655	1,541	11			2,208	2,111	1.05
August 15	2021	606	1,943	9			2,558	2,335	1.10
August 22	2022	153	2,100	2			2,255	1,311	1.72
August 29	2021	267	5,381				5,648	3,196	1.77
September 5	2021	285	5,332				5,617	3,035	1.85
September 12	2021	128	1,455	1			1,584	952	1.66
Total		6,570	19,778	44			26,392	22,806	1.16

Table 9. 2021-2022 Sport Salmon Catch, Area 2-1 - Willapa Bay

Calendar Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Chinook Jacks	Coho Jacks	Total Salmon
July	2021	22	7						29
August	2021	566	63				41		670
September	2021	194	403				14		611
October	2021	28							28
Total		810	473				55		1,338

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

Table 10. 2021-2022 Sport Salmon Catch, Area 2-2 - Grays Harbor

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Chinook Jacks	Coho Jacks	Total Salmon
July	2021		14						14
August	2021	156	28						184
September	2021	165	233				55		453
October	2021		1,355					42	1,397
Total		321	1,630				55	42	2,048

Table 11. 2021 Sport Salmon Catch, Area 3 - La Push

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
July 18	2021	46	18				64	114	0.56
July 25	2021	48	125	12			186	188	0.99
August 1	2021	47	137	12			197	191	1.03
August 8	2021	17	155	25			197	159	1.24
August 15	2021	9	271	23			303	254	1.20
August 22	2022	7	65				72	68	1.05
August 29	2021	59	359	4			422	317	1.33
September 5	2021	11	154	4			169	223	0.76
September 12	2021		4				4	16	0.26
Total		244	1,290	80			1,614	1,530	1.05

Table 12. 2021 Sport Salmon Catch, Area 4 - Neah Bay

Week Ending	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
June 20	2021	122					122	469	0.26
June 27	2021	510	4	3			517	1,433	0.36
July 4	2021	386	4	10			400	870	0.46
July 11	2021	1,235	148	49			1,432	1,611	0.89
July 18	2021	1,163	350	156			1,670	1,577	1.06
July 25	2021	551	430	258			1,238	1,662	0.75
August 1	2021	290	205	201			695	1,005	0.69
August 8	2021	52	204	106			362	371	0.98
August 15	2021	59.62	417	211			688	566	1.21
August 22	2022	74.71	169	45			289	475	0.61
August 29	2021	28.74	253	33			315	363	0.87
September 5	2021	26.39	298	11			335	371	0.90
September 12	2021	2.62	157	11			170	152	1.12
September 19	2021	1.33	38				40	19	2.07
Total		4,503	2,677	1,093			8,273	10,943	0.76

Table 13. 2021-2022 Sport Salmon Catch, Area 5 - Sekiu - Pillar Point

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
April	2021	1,370					1,370	1,753	0.78
July	2021	4,381	433	1,405			6,219	12,778	0.49
August	2021	597	2,881	7,348	19		10,845	7,392	1.47
September	2021	965	16,406	741			18,112	16,417	1.10
October	2021		68				68	86	0.79
March	2022	3,842					3,842	3,265	1.18
Total		11,155	19,788	9,494	19		40,456	41,691	0.97

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

Table 14. 2021-2022 Sport Salmon Catch, Area 6 - East Juan de Fuca Strait

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
July	2021	5,099	17	341			5,457	8,863	0.62
August	2021	23	127	3,945		7	4,102	4,802	0.85
September	2021	95	2,171	871			3,137	5,463	0.57
October	2021		23	35			58	65	0.89
Total		5,217	2,338	5,192		7	12,754	19,193	0.66

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

Table 15. 2021-2022 Sport Salmon Catch, Area 7 - San Juan Islands

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
July	2021	2,504	12	37			2,553	6,764	0.38
August	2021	244	86	829			1,159	1,285	0.90
September	2021	198	404	300			902	1,289	0.70
Total		2,946	502	1,166			4,614	9,338	0.49

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

Table 16. 2021-2022 Sport Salmon Catch, Area 8-1 - Deception Pass / Hope Island

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
September	2021		166	1,274			1,440	1,385	1.04
October	2021		436	271			707	784	0.90
Total			602	1,545			2,147	2,169	0.99

Table 17. 2021-2022 Sport Salmon Catch, Area 8-2 - Port Susan / Port Gardner

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
May	2021	70					70	153	0.46
June	2021	314					314	553	0.57
July	2021	441					441	793	0.56
August	2021	77	177	10,043		14	10,311	9,296	1.11
September	2021	28	1,498	6,123			7,649	8,782	0.87
Total		930	1,675	16,166		14	18,785	19,577	0.96

NOTE: Estimates for coho in August/September are from creel surveys; other estimates are from catch record cards.

Table 18. 2021-2022 Sport Salmon Catch, Area 9 - Admiralty Inlet

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
June	2021		35				35	47	0.74
July	2021	4,473	1,541	604			6,618	20,743	0.32
August	2021	992	1,099	25,545			27,636	16,888	1.64
September	2021	220	4,794	7,426		12	12,452	14,610	0.85
October	2021	12	23				35	47	0.74
November	2021	11	12				23	31	
December	2021	12					12	16	0.75
Total		5,720	7,504	33,575		12	46,811	52,382	0.89

NOTE: Estimates from July 16-September are partially from creel surveys; all other estimates are from catch record cards.

Table 19. 2021-2022 Sport Salmon Catch, Area 10 - Seattle / Bremerton

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
April	2021	12					12	11	1.09
May	2021	12					12	11	1.09
June	2021	73	1,897	24			1,994	1,881	1.06
July	2021	1,017	5,950	192			7,159	13,824	0.52
August	2021	2,677	2,716	6,521		12	11,926	16,961	0.70
September	2021	127	10,920	2,413			13,460	16,447	0.82
October	2021	22	1,401			9	1,432	3,474	0.41
January	2022	223					223	840	0.27
February	2022	132	7				139	1,231	0.11
March	2022	694					694	2,940	0.24
Total		4,989	22,891	9,150		21	37,051	57,620	0.64

NOTE: Estimates from July 16-31, August-September, and January-March are from creel surveys; all other estimates are from catch record cards.

Table 20. 2021-2022 Sport Salmon Catch, Area 11 -Tacoma / Vashon Island

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
April	2021	23					23	33	0.70
May	2021	58					58	83	0.70
June	2021	373	4				377	3,251	0.12
July	2021	1,220	290	179		4	1,693	13,782	0.12
August	2021	1,783	571	2,098		2	4,454	15,454	0.29
September	2021	19	2,299	731		6	3,055	6,971	0.44
October	2021	14	262	9			285	1,452	0.20
November	2021	171	3				174	805	0.22
March	2022	12					12	17	0.71
Total		3,673	3,429	3,017	6	6	10,131	41,848	0.24

NOTE: Estimates for June 14-November are partially from creel surveys; other estimates are from catch record cards.

Table 21. 2021-2022 Sport Salmon Catch, Area 12 - Hood Canal

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
July	2021	193		62			255	259	0.98
August	2021	1,356	1,680	126			3,162	1,942	1.63
September	2021	38	2,078	2			2,118	814	2.60
October	2021		333			676	1,009	424	2.38
November	2021					1,657	1,657	549	3.02
January	2022		35				35	35	1.00
Total		1,587	4,126	190		2,333	8,236	4,023	2.05

Table 22. 2021-2022 Sport Salmon Catch, Area 13 - South Puget Sound

Statistical Month	Year	Chinook	Coho	Pink	Sockeye	Chum	Total Salmon	Angler Trips	Salmon per Trip
April	2021	166	31				197	301	0.65
May	2021	162					162	162	1.00
June	2021	197					197	190	1.04
July	2021	555	24	12			591	784	0.75
August	2021	856	52	58		7	973	1,375	0.71
September	2021	482	353				835	1,317	0.63
October	2021		121			121	242	182	1.33
November	2021	9				815	824	684	1.20
December	2021	12					12	18	0.67
January	2022	128					128	138	0.93
February	2022	163					163	177	0.92
March	2022	174					174	202	0.86
Total		2,904	581	70		943	4,498	5,530	0.81

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month

COASTAL RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Grays Harbor	Elk River	342	Jackcoho								13					13	
			Total									13					13
	Hoquiam River	355	Coho									27					27
			Total									27					27
	Humptulips River	358	Chinook							678	475						1,153
			Chum								94	67					161
			Coho							13	1,072	308					1,393
Sockeye										27						27	
Jackchin									13	27						40	
Jackcoho							67	268	13					348			
Total							771	1,963	388					3,122			
Johns River	367	Coho									13					13	
		Total									13					13	
Wishkah River	335	Coho									80					80	
		Total									80					80	
Chehalis R. System	Chehalis River	315	Chum									14				14	
			Coho								1,474	136	27				1,637
			Jackchin						68	14							82
			Jackcoho						2,755	356							3,111
	Total						2,823	1,844	150	27					4,844		
	Newaukum River	325	Coho										55				55
Total												55				55	
Satsop River	329	Chum								27	41					68	
		Coho								628	259					887	
		Jackcoho								259	41	14				314	
Total								914	341	14				1,269			
Skookumchuck River	333	Coho													1	1	
		Jackcoho								14	14	1				29	
		Total								14	14	2				30	
Wynoochee River	337	Chum								14						14	
		Coho								55						55	
		Jackchin								41						41	
		Total								110						110	
Copalis R. System	Copalis River	339	Coho								53	6				59	
			Jackcoho								54						54
			Total								107	6					113

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COASTAL RIVER SYSTEMS																		
System	Catch Area	CRC Code	Species	2021								2022			Total			
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar		
Willapa Bay	Naselle River	375	Chinook					626	844	327	14					1,811		
			Chum								14	27				41		
			Coho					14	463	1,143	776	109				2,505		
			Jackchin					41	82	82					14	219		
			Jackcoho						82	204	14	14				314		
			Total					681	1,471	1,770	831	123			14	4,890		
	Nemah River, North (below Nemah Hatchery), Middle and South	379	Chinook					1,211	1,701							2,912		
			Jackchin					259	68						327			
			Total					1,470	1,769						3,239			
	Palix River	390	Chinook								14					14		
			Chum								14				14			
			Coho								14				14			
			Total								42				42			
	Willapa River	424	Chinook					14	327	259	27					627		
			Chum								14				14			
			Coho							168	252	322	266			1,008		
Jackchin									14	14				28				
Jackcoho											14			14				
Total							14	509	553	349	266				1,691			
Coastal River Totals			Chinook							113	177	85	1,864	3,768	1,901	94	8,002	
			Chum											177	149		326	
			Coho					14	1,021	6,205	2,489	403				10,132		
			Sockeye							27						27		
			Jackchin						14	42	42	314	339	261		14	1,026	
			Jackcoho									2,958	1,774	82	29		4,843	
			Total						127	219	127	2,192	8,086	10,345	2,814	432	14	24,356

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2021								2022			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	54	14	41	55	2,806	48	16					41	3,075
			Coho				27	3,910	4,633	314			14			8,898
			Total	54	14	41	82	6,716	4,681	330			14	41	11,973	
	Columbia - below Bonneville	521	Chinook	765	325	2,086	179	4,036	5,497	943	14				1,257	15,102
			Coho					555	1,363	1,230	136					3,284
			Sockeye			270	101									371
			Jackchin	18	101	313	38	233	770	161				12	1,646	
Jackcoho							6	75	71					152		
Total	783	426	2,669	318	4,830	7,705	2,405	150				1,269	20,555			
Cowlitz R. System	Blue Creek	507	Chinook						14						14	
			Coho								27				27	
			Total							14		27			41	
	Cispus River	555	Coho							55	137	14			206	
			Jackcoho							41	14				55	
			Total							96	151	14			261	
	Cowlitz R. below Mayfield Dam	561	Chinook	14		28	274	58	27	55	14				69	539
			Coho					175	426	2,379	1,678	454	83		5,195	
			Jackchin				27			69					96	
			Jackcoho				14		84	1,052	42	28			1,220	
Total	14		28	315	233	537	3,555	1,734	482	83		69	7,050			
Cowlitz R. Between Mayfield & Cowlitz Falls Dams	563	Jackchin							14					14		
		Total							14					14		
Cowlitz R. above Cowlitz Falls Dam	559	Chinook				14									14	
		Coho							151	645	274			1,070		
		Jackchin									14			14		
		Jackcoho						41	123	55	14			233		
Total				14		41	274	700	302				1,331			
Green River (Cowlitz Co.) below Toutle Hatchery	565	Coho						41	384					425		
		Total						41	384					425		
Olequa Creek (Cowlitz Co.)	569	Chinook					14							14		
		Coho							14					14		
		Total					14		14					28		

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Cowlitz R. System (cont.)	Tilton River	571	Coho						69	2,917	222	42					
			Jackcoho						27	878	110						
			Total						96	3,795	332	42					
	Toutle River	573	Chinook					27	27								
			Coho							55							
			Jackcoho							14							
	Toutle River, North Fork	575	Chinook					41	82								
			Coho						55	274							
			Jackchin						14								
	Lewis River	611	Chinook						42								
			Coho						28	14							
			Jackchin						14								
Lewis River, North Fork	615	Jackcoho					14	14	14	14							
		Total					14	98	28								
		Chinook	140			14	196	419	308	42	14			70	1,203		
Lower Columbia	Coal Creek (Cowlitz Co)	517	Coho					98	1,384	1,202	112						
			Jackchin	28				14	28	98							
			Jackcoho					42	992	335	14						
Abernathy Creek	501	Chinook					14	350	2,823	1,943	168	14			70	5,550	
		Jackcoho															
		Total	168			14	350	2,823	1,943	168	14			70	5,550		
Lower Columbia	Abernathy Creek	501	Jackcoho									13				13	
			Total									13				13	
	Coal Creek (Cowlitz Co)	517	Chinook					53		27							80
			Coho					13	13	53							79
			Total					66	13	80							159
	Deep River (Wahkiakum Co)	580	Jackchin					13									13
			Total					13									13
Elochoman River above Foster Rd. Bridge	584	Coho							13	93						106	
		Total							13	93						106	
Germany Creek	589	Chinook						40	27							67	
		Jackchin							13							13	
Grays River, West Fork	596	Chinook						40	40							80	
		Total						40	40							80	
Grays River, West Fork	596	Coho										53				53	
		Total										53				53	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Lower Columbia (cont.)	Kalama River above Kalama Falls Hatchery	602	Chinook						13	27						40	
			Coho								80						80
			Total						13	27	80						120
	Kalama River below Modrow Bridge	604	Chinook	27	119	53		292	639	27	40						1,197
			Coho						41	438	133						612
			Jackchin		106	13		13									132
			Jackcoho							27							27
				Total	27	225	66		305	680	492	173				1,968	
	Kalama River between Modrow Bridge and Kalama Falls Hatchery	603	Chinook	133	278	13		27	13								464
			Coho							146	424						570
			Jackchin	27	80												107
			Jackcoho								13	13					26
			Total	160	358	13		27	13	159	437				1,167		
Washougal River above County Line Access	668	Chinook							13							13	
		Coho								53						53	
			Total						13	53					66		
Washougal River below County Line Access	667	Chinook					40	385	40							465	
		Coho							53							53	
		Total					40	385	93							518	
Lower Columbia System Total			Chinook	1,133	736	2,221	536	7,590	7,259	1,470	110	14			1,437	22,506	
			Coho				27	4,751	8,067	9,731	3,740	784	83	14		27,197	
			Sockeye			270	101									371	
			Jackchin	73	300	326	65	260	826	355		14		12	2,231		
			Jackcoho				14	62	1,233	2,568	261	42			4,180		
			Total	1,206	1,036	2,817	743	12,663	17,385	14,124	4,111	854	83	14	1,449	56,485	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																			
System	Catch Area	CRC Code	Species	2021								2022			Total				
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar			
Big White Salmon River	Big White Salmon River	508	Chinook		17					25							42		
			Coho						8		25							33	
			Jackchin									8							8
			Jackcoho								8	8							16
			Total		17						41	41							99
Klickitat River	Klickitat River above Fishway 5	608	Chinook		13	93		67	187	160							520		
			Coho							27	133							160	
			Jackchin		27	53				27									107
			Jackcoho							13	13								26
			Total		40	146		67	227	200	133								813
Klickitat River below Fishway 5	Klickitat River below Fishway 5	607	Chinook	13	229	81		40	729	310	217	13					1,632		
			Coho					13	81	1,535	3,855	200						5,684	
			Jackchin	13	160	120			54	53	107							507	
			Jackcoho						14	284	554	203							1,055
			Total	26	389	201		53	878	2,182	4,733	416							8,878
Little White Salmon River & Drano Lake	Little White Salmon River & Drano Lake	618	Chinook	1,129	1,200	28	169	452	1,608	536	14						5,136		
			Coho					42	141	98								281	
			Jackchin		126			70	392	154								742	
			Jackcoho						28	42								70	
			Total	1,129	1,326	28	169	564	2,169	830	14								6,229
Mid Columbia	Columbia Bonneville Dam to The Dalles Dam	527	Chinook	93	107		53	240	2,205	1,199	13	13					3,923		
			Coho					27	780	1,906	333							3,046	
			Jackchin					53	346	53								452	
			Jackcoho						27	147	27							201	
			Total	93	107		53	320	3,358	3,305	373	13							7,622
Columbia The Dalles Dam to John Day Dam	Columbia The Dalles Dam to John Day Dam	529	Chinook	163	244		14	54	882	122							1,479		
			Coho					27	133	120	13							293	
			Jackchin		53				160	67								280	
			Jackcoho							27								27	
			Total	163	297		14	81	1,175	336	13								2,079
Columbia John Day Dam to McNary Dam	Columbia John Day Dam to McNary Dam	531	Chinook	56	99				226	99							480		
			Coho						93	120								213	
			Jackchin			13			53	13								79	
			Jackcoho						13									13	
			Total	56	99	13			385	232									785

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																		
System	Catch Area	CRC Code	Species	2021								2022			Total			
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar		
Wind R. System	Wind River above Shipherd Falls	677	Chinook		183	70											253	
			Jackchin		14	14												28
			Total		197	84												
	Wind River below Shipherd Falls	680	Chinook		56				14	183	141							394
			Coho							99	747							846
Jackchin				42														42
Jackcoho										28								28
Total				98			14	310	888								1,310	
Middle Columbia System Totals			Chinook	1,454	2,148	272	236	867	6,045	2,567	244	26					13,859	
			Coho					109	1,335	4,578	4,334	200					10,556	
			Jackchin	13	422	200		123	1,032	348	107						2,245	
			Jackcoho						131	521	581	203					1,436	
			Total	1,467	2,570	472	236	1,099	8,543	8,014	5,266	429					28,096	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Entiat River	Entiat River	586	Chinook					8									8
			Total					8									
Okanogan R. System	Okanogan River	627	Chinook						17	8							25
			Total						17	8							25
	Similkameen River	629	Chinook					8									8
			Total					8									8
Upper Columbia	Columbia McNary Dam to Hwy 395 Bridge	533	Chinook			27				108	95					14	244
			Coho								27						27
			Jackchin								95						95
			Total			27				203	122					14	366
	Columbia Hwy 395 Bridge to I-182 Bridge	534	Chinook				14	203	352	230							799
			Coho					68	41							109	
			Jackchin					41	54	54						149	
			Jackcoho						14							14	
			Total				14	244	474	339						1,071	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Upper Columbia (cont.)	Columbia I-182 Bridge-old Hanford townsite	535	Chinook			28	55	41	1,540	2,077						3,741	
			Coho						54	203	41					298	
			Sockeye			662	855				14						1,531
			Jackchin			27	41			122	312	14					516
			Jackcoho								14	14					28
			Total			717	951	41	1,716	2,620	69						6,114
	Columbia Old Hanford townsite-Priest Rapids Dam	536	Chinook			14	41	14	4,832	4,573						9,474	
			Coho						41	163						204	
			Sockeye			14										14	
			Jackchin			14	14			306	208					542	
Total			42	55	14	5,179	4,944							10,234			
Columbia Priest Rapids to Wanapum Dam	537	Chinook				452	41	589	233						1,315		
		Coho						41							41		
		Sockeye				285									285		
		Jackchin				54			27	14					95		
Total				791	41	657	247							1,736			
Columbia Wanapum to Rock Island Dam	539	Chinook				14	14	506	197	28					759		
		Coho								14	27				41		
		Sockeye				27									27		
		Jackchin				14				14					28		
Total				55	14	506	225	55						855			
Columbia Rock Island to Rocky Reach Dam	541	Chinook				498	180								678		
		Coho					47	32	111						190		
		Sockeye			14	976									990		
		Jackchin				136				14					150		
Total			14	1,610	227	32	125							2,008			
Columbia Rocky Reach to Wells Dam	543	Chinook				3,890	1,125	68	271						5,354		
		Coho							54						54		
		Sockeye				1,233	27								1,260		
		Jackchin				298	41	68	27						434		
Total				5,421	1,193	136	352							7,102			

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																		
System	Catch Area	CRC Code	Species	2021								2022			Total			
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar		
Upper Columbia (cont.)	Columbia Wells to Chief Joseph Dam	545	Chinook				2,255	653	245	27	14			14		3,208		
			Coho						14								14	
			Sockeye			68	12,513	27	122	14								12,744
			Jackchin				312	217	54									583
			Jackcoho					14										14
			Total		68	15,080	911	435	41	14			14		16,563			
Wenatchee R. System	Icicle Creek	672	Chinook		42	311	28									381		
			Coho						14	1,391	627	109					2,141	
			Jackchin			55												55
			Jackcoho								82							82
	Total		42	366	28		14	1,473	627	109						2,659		
	Lake Wenatchee	670	Sockeye				84	9,952								10,036		
			Total				84	9,952								10,036		
	Wenatchee River	674	Chinook						14							14		
			Total						14							14		
Yakima R. System	Yakima River	690	Chinook						17	8						25		
			Coho								118						118	
			Jackchin							8							8	
			Total							25	126						151	
Upper Columbia System Totals			Chinook		42	380	7,255	2,279	8,288	7,719	42			14		26,033		
			Coho					47	264	2,122	695	109				3,237		
			Sockeye			758	15,973	10,006	122	28						26,887		
			Jackchin			96	869	299	734	643	14					2,655		
			Jackcoho					14		110	14					138		
			Total		42	1,234	24,097	12,645	9,408	10,622	765	109		14	14	58,950		

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

COLUMBIA RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Snake R. System	Snake River: below Ice Harbor	640	Chinook						12	12						24	
			Jackchin						12	25							37
			Total						24	37							61
	Snake River: Ice Harbor to Lower Monumental Dam	642	Chinook						25								25
			Total						25								25
	Snake River: Lower Monumental to Little Goose Dam	644	Chinook	12	720	99					37						868
			Coho								1						1
Jackchin				124	37				25	25						211	
Total		12	844	136				25	63						1,080		
Snake River: Little Goose to Lower Granite Dam	646	Chinook						25								25	
		Total						25								25	
Snake River: Lower Granite to Interstate Bridge	648	Chinook						642	189	13						844	
		Jackchin						74	74							148	
		Total						716	263	13						992	
Snake River: upstream of Interstate Bridge	650	Chinook						87	99	37						223	
		Jackchin							25	12						37	
		Total						87	124	49						260	
Snake River System Totals			Chinook	12	720	99		87	803	275	13					2,009	
			Coho							1						1	
			Jackchin		124	37			136	136						433	
			Total	12	844	136		87	939	412	13					2,443	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

PUGET SOUND RIVER SYSTEMS																		
System	Catch Area	CRC Code	Species	2021								2022			Total			
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar		
Deschutes R. System	Deschutes River	728	Chinook					8								8		
			Total					8									8	
Dungeness R. System	Dungeness River	738	Coho							1,667	381					2,048		
			Total							1,667	381						2,048	
Green-Duwamish R. System	Green - Duwamish River	746	Chinook					340	490	27						857		
			Chum						41	508	934	14					1,497	
			Pink					3,677	10,799	3,964	27							18,467
			Coho					55	1,706	3,176	166							5,103
			Jackchin					41	95	14	14							164
			Jackcoho							245	436	14						695
			Total					4,113	13,376	8,125	1,155	14				26,783		
Lake Washington System	Lake Sammamish	764	Coho							41						41		
			Total							41						41		
	Lake Washington	762	Coho						422	300						722		
			Jackcoho						14	27						41		
			Total						436	327						763		
McLane Cr. System	McLane Creek	774	Chum									25				25		
			Total										25				25	
Minter Cr. System	Minter Creek	778	Chinook						311	122						433		
			Chum								167	5,282	333				5,782	
			Pink						12								12	
			Coho							309	976	62					1,347	
			Jackchin							12	25						37	
			Jackcoho								74	136					210	
			Total						718	1,426	5,344	333				7,821		
Nisqually R. System	Nisqually River	786	Chinook					825	1,287	28						2,140		
			Pink					243	1,486	86							1,815	
			Coho						1,879	599							2,478	
			Jackchin					289	563	14							866	
			Jackcoho							445	178						623	
						Total					1,357	5,660	905					
Nooksack Samish R. System	Nooksack River, Middle Fork	788	Pink							14						14		
			Total							14							14	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

PUGET SOUND RIVER SYSTEMS																			
System	Catch Area	CRC Code	Species	2021								2022			Total				
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar			
Nooksack Samish R. System	Nooksack River, North Fork	790	Chinook		15	131	28										174		
			Pink					27			27							54	
			Coho									27							27
			Jackchin		1	24	3												28
			Jackcoho									14							14
			Total		16	155	31	27			68								297
	Nooksack River, South Fork	792	Pink								14							14	
			Coho								749							749	
			Total								763							763	
	Nooksack River, below North Fork	794	Chinook						27									27	
Pink							791	1,333		56							2,180		
Coho									286	477							763		
Jackcoho										14	14						28		
Total							818	1,633	547								2,998		
Samish River	816	Chinook				14	2,732	7,145									9,891		
		Pink				27	136	164									327		
		Coho					41	96									137		
		Jackchin					204	477									681		
		Jackcoho								41							41		
		Total				41	3,113	7,923									11,077		
Whatcom Creek	884	Chinook								14							14		
		Jackchin								14							14		
		Total								28							28		
Puyallup R. System	Carbon River	802	Chinook						796								796		
			Pink						1,139	28							1,167		
			Coho						329	82	69						480		
			Jackchin						96								96		
			Jackcoho						68	55	27						150		
			Total						2,428	165	96						2,689		
	Puyallup River	804	Chinook					1,564	782	14								2,360	
			Pink				41	19,663	17,730	180	14							37,628	
			Coho					908	3,857	391								5,156	
			Jackchin					164	136	14								314	
Jackcoho							259	778	41								1,078		
Total						41	22,558	23,283	640	14							46,536		
White (Stuck) River	808	Pink							3								3		
		Total							3								3		

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

PUGET SOUND RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2021								2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar
Quilcene R. System	Quilcene River	812	Coho					2,421	3,605	503						
			Jackcoho					93	40							
			Total					2,514	3,645	503						
Skagit R. System	Baker Lake	825	Sockeye				4,838	1,240	14							
			Total				4,838	1,240	14							
	Cascade River	826	Chinook			48	12									
			Coho						556	2,605	27					
			Jackchin			28	6									
	Skagit River	830	Total			76	18			556	2,605	27				
			Chinook		10	42										
			Pink					10,045	35,120	213						
			Coho						2,704	5,191	229	332				
Total	Total	Total		12	15				144	26						
				22	57		10,045	37,968	5,430	229	332					
Skokomish R. System	Skokomish River	834	Jackcoho													
			Total								1					
Snohomish R. System	Skykomish River	844	Chinook		27	481	434									
			Pink					229	2,025	87						
			Coho						287	66						
			Jackchin			46	119									
			Total		27	527	553	229	2,312	153						
	Snohomish River	850	Pink					13,823	43,039	1,140						
			Coho					43	866	690						
			Total					13,866	43,905	1,830						
	Snoqualmie River	852	Coho								4					
			Total								4					
Stillaguamish River	872	Pink						6	4							
		Total						6	4							
Wallace River	860	Coho								1,661	320					
		Total								1,661	320					

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

PUGET SOUND RIVER SYSTEMS																	
System	Catch Area	CRC Code	Species	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Puget Sound River System Totals			Chinook		52	702	488	5,496	10,825	191							17,754
			Chum						41	675	6,241	347				7,304	
			Pink			68	48,640	112,868	5,795	41						167,412	
			Coho				3,468	16,902	19,205	1,254	332					41,161	
			Sockeye				4,838	1,240	14							6,092	
			Jackchin		13	113	128	698	1,393	67	14					2,426	
			Jackcoho				352	1,863	928	41						3,184	
			Total		65	815	5,522	59,894	143,906	26,861	7,591	679				245,333	

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

UNKNOWN RIVER SYSTEMS																
System	Catch Area	CRC Code	Species	2021								2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar
Unknown River System Totals			Chinook			14	262	183	299	82	14				27	881
			Chum								27					27
			Pink					334	883	127						1,344
			Coho			9	58	332	243	436	70					1,148
			Sockeye				94									94
			Jackchin					13	27	13	54					107
			Jackcoho						13	27						40
			Total			23	414	862	1,465	685	165				27	3,641

Table 23. 2021-2022 Freshwater Salmon Sport Catch by Area and Month (continued)

STATEWIDE TOTALS																
System	Catch Area	CRC Code	Species	2021								2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar
Statewide Totals			Chinook	2,599	3,811	3,865	8,862	18,366	37,287	14,205	517	40	14		1,478	91,044
			Chum						41	852	6,417	347				7,657
			Pink				68	48,974	113,751	5,922	41					168,756
			Coho			9	85	8,721	27,832	42,278	12,582	1,828	83	14		93,432
			Sockeye			1,028	21,006	11,246	136	55						33,471
			Jackchin	86	873	814	1,104	1,707	4,487	1,823	189	14			26	11,123
			Jackcoho				14	428	6,198	5,928	979	274				13,821
			Total	2,685	4,684	5,716	31,139	89,442	189,732	71,063	20,725	2,503	97	14	1,504	419,304

Table 24. 2021-2022 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	1,552	20,621	7.5	376	261	637	0.41
Asotin	2,102	22,397	9.4	428	67	495	0.24
Benton	18,829	210,025	9	10,118	2,459	12,577	0.67
Chelan	7,684	79,646	9.6	12,193	902	13,095	1.7
Ciallam	9,988	78,209	12.8	2,828	16,759	19,587	1.96
Clark	43,540	511,404	8.5	27,964	7,096	35,060	0.81
Columbia	553	4,042	13.7	324		324	0.59
Cowlitz	19,509	111,524	17.5	13,568	2,672	16,240	0.83
Douglas	3,728	43,696	8.5	5,617	404	6,021	1.62
Ferry	453	7,273	6.2	260	310	570	1.26
Franklin	8,815	98,268	9	4,566	603	5,169	0.59
Garfield	378	2,346	16.1	39		39	0.1
Grant	5,716	100,297	5.7	2,997	1,285	4,282	0.75
Grays Harbor	11,314	76,841	14.7	6,926	7,219	14,145	1.25
Island	12,769	87,432	14.6	4,319	17,094	21,413	1.68
Jefferson	3,943	33,605	11.7	1,777	3,741	5,518	1.4
King	97,954	2,252,305	4.3	69,846	54,753	124,599	1.27
Kitsap	23,330	274,314	8.5	5,085	18,078	23,163	0.99
Kittitas	3,750	45,499	8.2	3,216	2,043	5,259	1.4
Klickitat	3,354	23,118	14.5	3,684	151	3,835	1.14
Lewis	11,861	84,398	14.1	7,211	2,875	10,086	0.85
Lincoln	956	11,232	8.5	661	103	764	0.8
Mason	7,039	67,615	10.4	2,776	4,823	7,599	1.08
Okanogan	3,446	42,634	8.1	2,659	400	3,059	0.89
Pacific	4,605	23,948	19.2	4,617	6,113	10,730	2.33
Pend Oreille	563	13,886	4.1	195	176	371	0.66
Pierce	65,252	925,708	7	47,355	24,648	72,003	1.1
San Juan	2,341	18,557	12.6	441	371	812	0.35
Skagit	19,047	130,696	14.6	34,139	4,708	38,847	2.04
Skamania	1,365	12,170	11.2	1,570	258	1,828	1.34
Snohomish	65,121	833,540	7.8	56,059	39,361	95,420	1.47
Spokane	17,692	546,040	3.2	8,146	2,800	10,946	0.62
Stevens	3,381	47,426	7.1	753	263	1,016	0.3
Thurston	22,808	297,977	7.7	11,246	9,769	21,015	0.92
Wahkiakum	1,136	4,582	24.8	2,776	129	2,905	2.56
Walla Walla	4,891	62,682	7.8	2,140	681	2,821	0.58
Whatcom	18,447	228,831	8.1	16,005	3,351	19,356	1.05
Whitman	1,970	47,873	4.1	441	79	520	0.26
Yakima	19,238	256,035	7.5	11,038	1,626	12,664	0.66
Unknown WA	1,233			1,570	494	2,064	1.67
Washington Total	551,653	7,738,692	7.1	387,929	238,925	626,854	1.14
Other State Total	48,804			31,208	16,809	48,017	0.98
Canada	161			169	23	192	1.19
Other	191				65	65	0.34
Grand Total	600,809			419,306	255,822	675,128	1.12

Source: Table 1: Annual Estimates of the Resident Population for Counties of Washington: April 1, 2010 to July 1, 2021.

Source: Population Division, U.S. Census Bureau. Release Date: July 2021

Table 25. 2021-2022 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	471,732	471,732	78.5%	78.5%			0.0%	0.0%
1	33,312	505,044	5.5%	84.1%	33,312	33,312	4.9%	4.9%
2	28,762	533,806	4.8%	88.8%	57,524	90,836	8.5%	13.5%
3	11,814	545,620	2.0%	90.8%	35,442	126,278	5.3%	18.7%
4	11,186	556,806	1.9%	92.7%	44,744	171,022	6.6%	25.3%
5	6,557	563,363	1.1%	93.8%	32,785	203,807	4.9%	30.2%
6	5,896	569,259	1.0%	94.7%	35,376	239,183	5.2%	35.4%
7	4,338	573,597	0.7%	95.5%	30,366	269,549	4.5%	39.9%
8	3,609	577,206	0.6%	96.1%	28,872	298,421	4.3%	44.2%
9	2,668	579,874	0.4%	96.5%	24,012	322,433	3.6%	47.8%
10	2,757	582,631	0.5%	97.0%	27,570	350,003	4.1%	51.9%
11	2,018	584,649	0.3%	97.3%	22,198	372,201	3.3%	55.1%
12	1,805	586,454	0.3%	97.6%	21,660	393,861	3.2%	58.4%
13	1,592	588,046	0.3%	97.9%	20,696	414,557	3.1%	61.4%
14	1,625	589,671	0.3%	98.1%	22,750	437,307	3.4%	64.8%
15	1,098	590,769	0.2%	98.3%	16,470	453,777	2.4%	67.2%
16	930	591,699	0.2%	98.5%	14,880	468,657	2.2%	69.4%
17	930	592,629	0.2%	98.6%	15,810	484,467	2.3%	71.8%
18	617	593,246	0.1%	98.7%	11,106	495,573	1.7%	73.4%
19	751	593,997	0.1%	98.9%	14,269	509,842	2.1%	75.5%
20	673	594,670	0.1%	99.0%	13,460	523,302	2.0%	77.5%
21	616	595,286	0.1%	99.1%	12,936	536,238	1.9%	79.4%
22	493	595,779	0.1%	99.2%	10,846	547,084	1.6%	81.0%
23	616	596,395	0.1%	99.3%	14,168	561,252	2.1%	83.2%
24	482	596,877	0.1%	99.3%	11,568	572,820	1.7%	84.9%
25	661	597,538	0.1%	99.5%	16,525	589,345	2.5%	87.3%
26	3,038	600,576	0.5%	100%	78,988	668,333	11.7%	99.0%
27*	123	600,699	0.0%	100%	3,321	671,654	0.5%	99.5%
28	56	600,755	0.0%	100%	1,568	673,222	0.2%	99.7%
29	11	600,766	0.0%	100%	319	673,541	0.1%	99.8%
30 or more	44	600,810	0.0%	100%	1,584	675,125	0.1%	100%
Total	600,810		100.0%		675,125		100.0%	

*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.

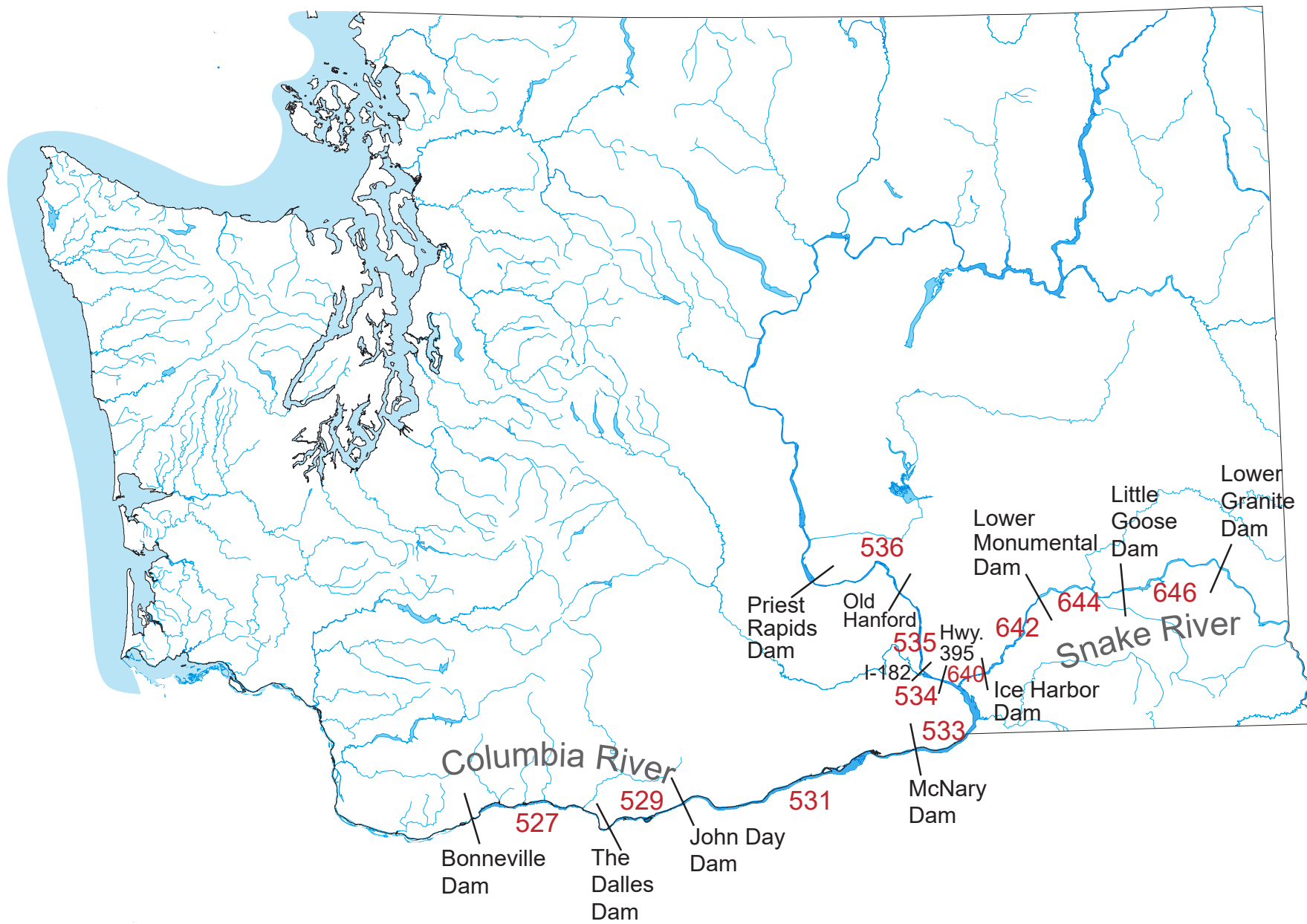
Table 26. 2021-2022 Sport Salmon Inventory of Catch Record Cards Received

Response Type	With Catch	No catch	Total Reports	Number of Salmon	Catch per Card
Prior to reminder	2,321	2,594	4,915	10,592	2.16
After 1st reminder postcard	7,340	20,007	27,347	40,423	1.48
After 2nd reminder postcard	1,850	2,833	4,683	9,217	1.97
Total	11,511	25,434	36,945	60,232	1.63

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. 2021-2022 Sport Sturgeon Catch, by Area and Month

COLUMBIA RIVER SYSTEMS															
Catch Area	Species	2021										2022			Total
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		
Columbia R 01: Buoy 10 to Tongue Pt.-Rocky Pt.	White	232	228											460	
Columbia R 02: Tongue Pt. Rocky Pt. to Longview Br.	White	598	301			89								988	
Columbia R 03: Longview Br. to I-5 Br.	White					363								363	
Columbia R 04: I-5 Br. to Bonneville Dam	White					31								31	
Columbia R 05: Bonneville to The Dalles Dam	White										272		40	312	
Columbia R 06: The Dalles to John Day Dam	White										31	9	61	101	
Columbia R 07: John Day to McNary Dam	White										10		26	36	
Columbia R 08: McNary Dam - Hwy 395 Bridge in Pasco	White			1										1	
Columbia R 16: above Grand Coulee Dam (Lake Roosevelt)	White			86	134	182	144							546	
Cowlitz R. below Mayfield Dam	White						18							18	
Deep River (Wahkiakum Co.)	White	16	16											32	
Total	White	846	632	134	182	645					313	9	127	2,888	
UNKNOWN AREA															
Unknown Area Totals	White	13												13	
Statewide Totals	White	859	632	134	182	645	0				313	9	127	2,901	

Note: Estimates for Columbia River Areas 519-531 are based on creel surveys; other estimates are based on catch record card returns.

Table 28. 2021-2022 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	1,552	20,621	7.5	27	0.02
Asotin	2,102	22,397	9.4		
Benton	18,829	210,025	9		
Chelan	7,684	79,646	9.6		
Clallam	9,988	78,209	12.8	674	0.02
Clark	43,540	511,404	8.5		
Columbia	553	4,042	13.7		
Cowlitz	19,509	111,524	17.5	453	0.02
Douglas	3,728	43,696	8.5	14	0.00
Ferry	453	7,273	6.2	14	0.03
Franklin	8,815	98,268	9	41	0.01
Garfield	378	2,346	16.1		
Grant	5,716	100,297	5.7		
Grays Harbor	11,314	76,841	14.7	41	0.00
Island	12,769	87,432	14.6	14	0.00
Jefferson	3,943	33,605	11.7		
King	97,954	2,252,305	4.3	69	0.00
Kitsap	23,330	274,314	8.5	55	0.00
Kittitas	3,750	45,499	8.2	55	0.02
Klickitat	3,354	23,118	14.5		
Lewis	11,861	84,398	14.1		
Lincoln	956	11,232	8.5		
Mason	7,039	67,615	10.4	27	0.00
Okanogan	3,446	42,634	8.1	14	0.00
Pacific	4,605	23,948	19.2	207	0.04
Pend Oreille	563	13,886	4.1	96	0.00
Pierce	65,252	925,708	7		
San Juan	2,341	18,557	12.6		
Skagit	19,047	130,696	14.6	27	0.02
Skamania	1,365	12,170	11.2		
Snohomish	65,121	833,540	7.8		
Spokane	17,692	546,040	3.2	165	0.01
Stevens	3,381	47,426	7.1	151	0.04
Thurston	22,808	297,977	7.7	41	0.00
Wahkiakum	1,136	4,582	24.8	123	0.11
Walla Walla	4,891	62,682	7.8	14	0.00
Whatcom	18,447	228,831	8.1	27	0.00
Whitman	1,970	47,873	4.1		
Yakima	19,238	256,035	7.5		
Unknown WA	1,233				
Washington Total	551,653	7,738,692	7.1	2,638	0.00
Other State Total	48,804			261	0.01
Canada	161				
Other	191				
Grand Total	600,809			2,899	0.00

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, 2021. Source: Population Division, U.S. Census Bureau. Release Date: July 2021

Table 29. 2021-2022 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	598,267	598,267	99.6%	99.6%	0	0	0.0%	0.0%
1	2,185	600,452	0.4%	99.9%	2,185	2,185	75.3%	75.3%
2	358	600,810	0.1%	100%	716	2,901	24.7%	100%
Total	600,810		100.0%		2,901		100.0%	

Table 30. 2021-2022 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	8	4,898	4,906	9	0.002
After 1st reminder postcard	130	27,352	27,482	147	0.005
After 2nd reminder postcard	47	4,510	4,557	55	0.012
Total	185	36,760	36,945	211	0.006

Steelhead



Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month

COASTAL RIVERS AND MARINE CATCH AREAS																
System	Area	Code	Race	2021								2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar
Chehalis R. System	Van Winkle Creek	419	S					11								11
	Wynoochee River	337	S			55	263	66	22	33						439
	Chehalis R. System Totals		S			55	263	77	22	33						450
Hoh R. System	Hoh River above Oxbow Launch	348	S W					9							3	9 3
	Hoh River below Oxbow Launch	350	W									10			15	25
	Hoh R. System Totals		S W					9				10			18	9 28
Humptulips R. System	Humptulips River	358	S			9	27	18								54
			W									13				
Marine Water	Area 1: Col R - Ledbetter	1	S					35								35
			W									3	18			
	Area 2: Westport	2	S		9		9	18								36
	Area 3: La Push	3	S							9						9
	Marine Water Totals		S		9		9	18		9						45
Naselle R. System	Naselle River	375	S				9									9
			W								8	95	31	5		
North R. System	North River	382	W									10		15		25
	Smith Creek (Pacific Co.)	384	W									8		8		16
	North R. System Totals		W									18		15	8	41
Queets R. System	Salmon River (Jefferson Co.)	396	W									13		5		18
Quillayute R. System	Bogachiel River	398	W								23	242	105	41	55	466
	Calawah River	400	S			8	46	15								69
			W								169		27		27	223
	Sol Duc River	406	S						15							15
			W									9		5	14	28
Quillayute R. System Totals		S W			8	46	15	15			23	420	132	46	96	84 717
Quinault R. System	Cook Creek	408	W									5				5
Willapa R. System	Willapa River	424	S				18	9	27	18						72
			W								5	26	26	15		
Coastal Rivers and Marine Catch Area Totals			S		9	72	372	181	64	60						758
			W								52	605	209	92	96	1,054

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	Area	Code	Race	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Abernathy Cr. System	Abernathy Creek	501	S				8									8	
Columbia R. Mainstem	Columbia R 01: Buoy 10 to Tongue Pt.-Rocky Pt.	519	S		3	49	26								6	84	
	Columbia R 02: Tongue Pt. Rocky Pt. to Longview Br.	521	S W		44	264	345	6							132	659 139	
	Columbia R 03: Longview Br. to I-5 Br.	523	S W			24	76	3							41	103 51	
	Columbia R 04: I-5 Br. to Bonneville Dam	525	S			1	76								11	88	
	Columbia R 05: Bonneville to The Dalles Dam	527	S				13						6			19	
	Columbia R 06: The Dalles to John Day Dam	529	S				6									6	
	Columbia R. Mainstem Totals			S W		47	338	542	9				6			17 173	959 190
Cowlitz R. System	Blue Creek (Lewis Co.)	507	S W					8	23	38						69 68	
	Coweeman River	557	W										12		6	18	
	Cowlitz R. below Mayfield Dam	561	S W		136	623	1,941	1,282	623	165						4,770 7,643	
	Cowlitz R. between Mayfield & Cowlitz Falls Dams	563	W					6							6	12	
	Lacamas Creek (Lewis Co.)	567	S					14								14	
	Tilton River	571	W												6	6	
	Toutle River, No. Fork	575	S								7					7	
	Toutle River, So. Fork	577	S		14	72	21	21	7							135	
	Cowlitz R. System Totals			S W		150	695	1,962	1,317	630	172					43 56	4,926 7,679
Elochoman R. System	Elochoman River above Foster Rd Bridge	584	W									37	411		75	9	532
	Elochoman River below Foster Rd Bridge	583	W										56		9		65
	Elochoman R. System Totals			W									37	467		84	9

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																		
System	Area	Code	Race	2021								2022			Total			
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar		
Grande Ronde R. System	Grande Ronde River	592	S	12						36	154	36	18	36	47	124	463	
Grays R. System	Grays River above Barr Rd Bridge	595	W												4		4	
Kalama R. System	Kalama River below Modrow Bridge	604	S		8		8	15			8						39	
			W	8									8	8	40	64		
	Kalama River between Modrow Bridge and Kalama Falls Hatchery	603	S				15			8	23							46
			W	8										8	16	67	138	237
Kalama R. System Totals			S		8		23	15	8	31							85	
			W	16									8	24	75	178	301	
Klickitat R. System	Klickitat River above Fishway 5	608	S			23	8	77	31	23	8						170	
	Klickitat River below Fishway 5	607	S					8		8	31						47	
	Klickitat R. System Totals			S			23	8	85	31	31	39						217
Lewis R. System	Lewis River (below E. Fork)	611	S		7	82											89	
			W										14	2	4	20		
	Lewis River, No. Fork	615	S			52	195	240	37	7							531	
			W	4								2	27		2	35		
Lewis R. System Totals			S			59	277	240	37	7							620	
			W	4								2	41	2	6		55	
Mill Cr. (Lewis Co.)	Mill Creek (Lewis Co.)	625	S				8										8	
Okanogan R. System	Okanogan River	627	S							1							1	
Rock Cr. System (Skamania)	Rock Creek (Skamania Co.)	632	W													8	8	
Snake R. Mainstem	Snake R 2: Ice Harbor to Lower Monumental Dam	642	S						7								7	
	Snake R 5: Lower Granite Dam to Interstate Bridge, Clarkston	648	S							128	375	35	43	71	57	14	723	
	Snake R 6: upstream of the Interstate Bridge, Clarkston	650	S							35	347	220	71	35	14	7	729	
	Snake R. Mainstem Totals			S							170	722	255	114	106	71	21	1,459
Walla Walla R. System	Mill Creek (Walla Walla Co.)	655	S							8							8	

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

COLUMBIA RIVER AND TRIBUTARIES																	
System	Area	Code	Race	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Washougal R. System	Washougal River above County Line Access	668	W											20	4	8	32
	Washougal River below County Line Access	667	S			23											23
		W	8										20	4	4	4	40
	Washougal River, West Fork	665	W												4		4
Washougal R. System Totals			S			23											23
			W	8									40	12	12	4	76
White Salmon R. System	Big White Salmon River	508	S					8									8
Columbia River and Tributary System Totals (All non-Boldt)			S	12	205	1,138	2,828	1,682	935	1,164	330	138	142	118	162	8,854	
			W	1,535				6				82	612	376	1,569	4,798	8,978

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																	
System	Area	Code	Race	2021								2022			Total		
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		Mar	
Marine Water	Area 9: Admiralty Inlet	9	S					6									6
			W													6	6
Dungeness R. System	Dungeness River	738	W										6	6			12
Green-Duwamish R. System	Green (Duwamish River) (King Co.)	746	S				11	33	11	11							66
			W								6				6		
Puyallup R. System	Puyallup River	804	S					1									1
Sekiu R. System	Sekiu River	818	W												6		6
Snohomish R. System	Skykomish River	844	S			23	103	23	60	34	20						263
			W										37	464	119	3	623
	Snohomish River	850	S							7	7						14
			W									7	82	30		119	
	Snoqualmie River	852	W										26	37	2	65	
	Tokul Creek	856	S						7								7
			W										7	236	90	2	335
Wallace River	860	S							14	14						28	
		W										15	96	41	10	162	
Snohomish R. System Totals			S			23	103	23	67	55	41					312	
			W										66	904	317	17	1,304

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

PUGET SOUND AND STRAIT OF JUAN DE FUCA RIVER SYSTEMS AND MARINE CATCH AREAS																		
System	Area	Code	Race	2021										2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
Stillaguamish R. System	Canyon Creek	866	W											6				6
	Stillaguamish R, No. Fork	872	S										17				17	
			W											236	90	2		328
	Stillaguamish River	876	W											78				78
	Stillaguamish R. System Totals		S										17				17	
			W											320	90	2		412
Puget Sound, Straight of Juan de Fuca River Systems and Marine Catch Area Totals (All are Boldt Case Areas)			S		23	103	34	107	66	69								402
			W										72	1,230	419	25	6	1,752

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

UNKNOWN AREA																		
System	Area	Code	Race	2021										2022			Total	
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
Unknown Area Totals			W											23	23		23	69

Table 31. 2021-2022 Steelhead Sport Catch, by Area and Month (continued)

STATEWIDE TOTALS																	
System	Area	Code	Race	2021										2022			Total
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		
Statewide Totals			S	12	237	1,313	3,234	1,970	1,065	1,293	330	138	142	118	162	10,014	
			W	1,535								229	2,447	1,027	1,686	4,923	11,853
Grand Total				1,547	237	1,313	3,234	1,970	1,065	1,293	559	2,585	1,169	1,804	5,085	21,867	

Table 32. 2021-2022 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	1,552	20,621	7.5	16	0.01
Asotin	2,102	22,397	9.4	206	0.10
Benton	18,829	210,025	9.0	410	0.02
Chelan	7,684	79,646	9.6		
Cllallam	9,988	78,209	12.8	316	0.03
Clark	43,540	511,404	8.5	2,195	0.05
Columbia	553	4,042	13.7	16	0.03
Cowlitz	19,509	111,524	17.5	2,337	0.12
Douglas	3,728	43,696	8.5	16	0.00
Ferry	453	7,273	6.2		
Franklin	8,815	98,268	9.0	31	0.00
Garfield	378	2,346	16.1	142	0.38
Grant	5,716	100,297	5.7	126	0.02
Grays Harbor	11,314	76,841	14.7	632	0.06
Island	12,769	87,432	14.6	63	0.00
Jefferson	3,943	33,605	11.7	31	0.01
King	97,954	2,252,305	4.3	3,379	0.03
Kitsap	23,330	274,314	8.5	569	0.02
Kittitas	3,750	45,499	8.2	110	0.03
Klickitat	3,354	23,118	14.5	79	0.02
Lewis	11,861	84,398	14.1	2,021	0.17
Lincoln	956	11,232	8.5		
Mason	7,039	67,615	10.4	221	0.03
Okanogan	3,446	42,634	8.1	31	0.01
Pacific	4,605	23,948	19.2	63	0.01
Pend Oreille	563	13,886	4.1	47	0.08
Pierce	65,252	925,708	7.0	3,016	0.05
San Juan	2,341	18,557	12.6		
Skagit	19,047	130,696	14.6	31	0.00
Skamania	1,365	12,170	11.2	63	0.05
Snohomish	65,121	833,540	7.8	1,863	0.03
Spokane	17,692	546,040	3.2	774	0.04
Stevens	3,381	47,426	7.1		
Thurston	22,808	297,977	7.7	490	0.02
Wahkiakum	1,136	4,582	24.8	300	0.26
Walla Walla	4,891	62,682	7.8		
Whatcom	18,447	228,831	8.1	31	0.00
Whitman	1,970	47,873	4.1	142	0.07
Yakima	19,238	256,035	7.5	426	0.02
Unknown WA	1,233			16	0.01
Washington Total	551,653	7,738,692	7.1	20,209	0.04
Other State Total	48,804			1,658	0.03
Canada	161				
Other	191				
Grand Total	600,809			21,867	0.04

Source: Table 1: Annual Estimates of the Resident Population for Counties of Washington: April 1, 2010 to July 1, 2021.

Source: Population Division, U.S. Census Bureau. Release Date: July 2021

Table 33. 2021-2022 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	591,984	591,984	98.5%	98.5%	0	0	0.0%	0.0%
1	4,507	596,491	0.8%	99.3%	4,507	4,507	20.6%	20.6%
2	2,017	598,508	0.3%	99.6%	4,034	8,541	18.5%	39.1%
3	803	599,311	0.1%	99.8%	2,409	10,950	11.0%	50.1%
4	552	599,863	0.1%	99.8%	2,208	13,158	10.1%	60.2%
5	299	600,162	0.0%	99.9%	1,495	14,653	6.8%	67.0%
6	110	600,272	0.0%	99.9%	660	15,313	3.0%	70.0%
7	63	600,335	0.0%	99.9%	441	15,754	2.0%	72.1%
8	110	600,445	0.0%	99.9%	880	16,634	4.0%	76.1%
9	79	600,524	0.0%	100%	711	17,345	3.3%	79.3%
10	47	600,571	0.0%	100%	470	17,815	2.2%	81.5%
11	16	600,587	0.0%	100%	176	17,991	0.8%	82.3%
12	63	600,650	0.0%	100%	756	18,747	3.5%	85.7%
13	16	600,666	0.0%	100%	208	18,955	1.0%	86.7%
14	32	600,698	0.0%	100%	448	19,403	2.1%	88.7%
15	16	600,714	0.0%	100%	240	19,643	1.1%	89.8%
17	32	600,746	0.0%	100%	544	20,187	2.5%	92.3%
21	16	600,762	0.0%	100%	336	20,523	1.5%	93.9%
25	16	600,778	0.0%	100%	400	20,923	1.8%	95.7%
29	16	600,794	0.0%	100%	464	21,387	2.1%	97.8%
30	16	600,810	0.0%	100%	480	21,867	2.2%	100%
Total	600,810		100%		21,867		100%	

Table 34. 2021-2022 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	38	4,882	4,920	64	0.01
After 1st reminder postcard	413	26,930	27,343	1,055	0.04
After 2nd reminder postcard	112	4,570	4,682	269	0.06
Total	563	36,382	36,945	1,388	0.04

Marine Fish



Table 35. 2021 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	15,480	90,839	12,931	27,547	21,569	168,366
Blue Rockfish	23	96	56	767	386	1,328
Yellowtail Rockfish	18,033	30,964	579	606	292	50,474
China Rockfish	29	89	103	970	128	1,319
Quillback Rockfish	71	484	74	429	169	1,227
Copper Rockfish	38	196	88	1,249	416	1,987
Canary Rockfish	1,288	15,142	697	1,746	160	19,033
Yelloweye Rockfish	2	26	12	44	6	90
Tiger Rockfish	56	100	39	88	6	289
Vermillion Rockfish	13	14	50	546	13	636
Other Rockfish					2	2
Boccaccio	278	1,147	130	184	4	1,743
Lingcod	4,234	31,469	4,486	9,260	6,149	55,598
Kelp Greenling	204	147	117	566	832	1,866
Pacific Cod	5		17	374	390	786
Other Cod	8			2	2	7
Cabezon	135	730	259	1,445	1,177	3,746
Flatfish	1,409	5,262	4	342	90	7,107
Surf Perch	1,178	7			12	1,197
Albacore Tuna	6,850	3,836	46			10,732
Sharks and Skates	2	34	2		13	51
Miscellaneous	1,096	1,951	68	144	60	3,319

Table 36. Coastal Washington Recreational Pacific Halibut Catch 2000-2021

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
2018	931	3,258	6,365
2019	1,082	4,138	8,011
2020	352	3,087	3,328
2021	1,537	5,420	5,161

Table 37. 2021 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	2,081	1,684	359			11						4,135
Starry Flounder	42	303	65	165	53	25	14	23			20	709
Soles	47	84	276	16	52	412	224	1,175			645	2,932
Sanddabs	1	71	21	279	384	2,704	2,784	956	13		39	7,254
Misc. Flatfish	75	508	431	143	9,167	27,420	18,892	25,973			6,282	88,892
Sablefish	2											2
Lingcod	1,282	68	2,224	47	5	314	57	96			257	4,351
Greenlings	432	91	2,295	404		58	39	5				3,324
Copper Rockfish	74				2	6						82
Quillback Rockfish	38				19		2					59
Brown Rockfish	30											30
Black Rockfish	5,465											5,465
Blue Rockfish	21											21
Yellowtail Rockfish	16											16
Vermillion Rockfish	1											1
Canary Rockfish	8											8
China Rockfish	16											16
Other Rockfishes				1								1
Pacific Cod	558	5				2						564
Walleye Pollock	1											1
Pacific Tomcod	3											3
Other Cod		4										4
Cabezon	333	15	239	19		38	27	32			10	713
Other Sculpins	2	10	3	83	15	300	19	278				710
Perches			25	82	51	586	143					887
Spiny Dogfish	13	11	517	53	53	271	386	310				1,614
Ratfish							3					3
Skates		4	4									8
Total	10,544	2,858	6,460	1,293	9,802	32,145	22,591	28,847	13	7,252	121,805	



Shellfish



Table 38. 2021-2022 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	140,963	16.5	2,328,549	48,421	17.7	858,630
Twin Harbors	92,710	16.6	1,539,038	31,006	17.9	553,876
Copalis	69,545	16.4	1,140,444	26,835	17.6	471,625
Mocrocks	55,794	16.2	902,360	19,114	17.3	330,744
Kalaloch	0	0	0	0	0	0
Total	359,012	16.5	5,910,392	125,375	17.6	2,214,875

¹ During the 2021/2022 Season, Fall and Winter openers occurred on evening (PM) tides on all beaches between September 17, 2021 and March 19, 2022.

² During the 2021/2022 Season, Spring openers occurred on morning (AM) tides between March 20, 2022 and May 7, 2022.

Table 39. 2021 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	2,843	232	4,599	50	4,353	223	1,745	0	11,202	28,292
7	Birch Bay SP	20,661	5,745	8,674	86,778	4,635	135	6,215	0	112,182	3,692
	Drayton West	215	242	31	160	11	2	0	0	446	437
8-1	West Penn Cove	1,092	31	219	4,206	1,073	2	112	0	5,643	3,914
	Freeland CP	1,528	2,212	550	1,657	18	50	1	0	4,488	4
9	Fort Flagler SP	2,748	0	2,319	9,519	1,484	106	2,859	225	16,512	0
	Indian Island CP	553	657	38	876	9	15	67	0	1,662	159
	Port Gamble	1,734	3,152	758	1,017	437	148	1,186	25	6,723	11,919
	Wolfe + Shine SP	9,391	8,442	1,000	15,919	3,241	303	8,150	66	37,121	40,850
12	Dabob Broad Spit	565	1,772	168	8	0	0	0	0	1,948	1,083
	E Dabob	253	793	75	3	0	0	0	0	871	484
	Quilcene Bay WDFW Tidelands	2,963	4,365	0	0	0	7	0	0	4,372	17,142
	Dosewallips SP	16,264	28,383	43	0	75	68	0	0	28,569	114,683
	Pt. Whitney Tidelands	2,048	1,262	179	194	11	2	36	0	1,684	13,413
	Eagle Creek	7,713	2,137	135	86	2,647	107	199	1,562	6,873	70,682
	DNR-44A W Dewatto	2,233	2,916	29	0	3	4	2	0	2,954	16,520
	Rendsland Creek	1,065	866	36	12	133	3	0	0	1,050	14,158
	Potlatch SP & Potlatch DNR	8,380	8,331	671	4,002	3,423	47	213	0	16,687	65,849
	Belfair SP	6,343	8,855	4	0	0	30	0	0	8,889	51,959
	Duckabush	826	896	1	0	7	0	6	72	982	6,122
	Triton Cove Tidelands	1,721	604	57	64	114	1	17	0	857	16,147
	Lilliwaup SP	5,115	17	639	8,442	1,391	0	154	0	10,643	50,299
Twanoh SP	9,492	5,013	77	0	1,019	33	0	0	6,142	67,196	
13	North Bay	4,490	9,513	460	0	0	49	0	0	10,022	37,112
Total		110,236	96,436	20,762	132,993	24,084	1,335	20,962	1,950	298,522	632,116

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 2021 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. Estimates show 110,236 harvester trips gathered 298,522 total pounds of clams and 632,116 oysters from the 2021 group of monitored beaches.

Table 40. 2021 Puget Sound and Hood Canal Sport Spot Shrimp Fishery

Area	Date	Angler Trips	Pounds	CPUE (lbs. per trip)
4, 5	May through Sept (119 days)	425	1,300	3.1
6	May June Aug (27 days)	4,577	23,190	5.1
6 (Discovery Bay)	May (2 days)	601	2,486	4.1
7	May through Aug (24 days)	12,005	65,581	5.5
8-1 & 8-2	May, June, Aug (4 days)	4,078	18,416	4.5
9	May June (2 days)	1,978	8,543	4.3
10	May (1 day)	2,563	12,624	4.9
11	May June (2 days)	1,108	3,685	3.3
12	May June (5 days)	21,920	102,493	4.7
13	None	NA	NA	NA
Total		49,254	238,318	4.8

This table summarizes the recreational take of spot shrimp (*Pandalus platyceros*) in these areas for the 2021 spot shrimp season.

No estimates of angler trips or pounds harvested of “non-spot” shrimps are included in this table.

Table 41. 2021 Sport Dungeness Crab Catch (all gear types)

Area 13 was closed for both summer and winter seasons. Areas 10 and 11 were open on a limited basis during the summer. Area 11 and Area 12 south of Ayock Point were closed during the winter season, and Area 10 was open November 22-December 31.

Marine Area and location		Summer Season (lb. of crab)	Fall/Winter Season (lb. of crab)
4	Neah Bay	990	49
5	Seki/Pillar Point	4,687	314
6	Port Angeles Harbor, Dungeness & Sequim Bays, Discovery Bay	142,648	23,691
7	Gulf of Georgia, North of San Juan Islands, Bellingham Bay, Samish Bay, San Juan Islands, Anacortes	454,146	55,321
8-1	Skagit Bay, North Saratoga Passage, Holmes Harbor	321,466	17,289
8-2	South Saratoga Passage, Port Susan, Port Gardner	302,851	23,754
9 ¹	Admiralty Inlet, Port Townsend Bay, Useless Bay	75,675	11,591
10	Seattle/Kingston, Port Orchard	29,744	5,703
11	Colvos Pass, East Pass	17,856	49
12, 9 ²	Port Ludlow/Port Gamble, Upper Hood Canal, Central Hood Canal, Lower Hood Canal	75,830	17,724
13	South Puget Sound	369	0
Total		1,426,262	155,484

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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