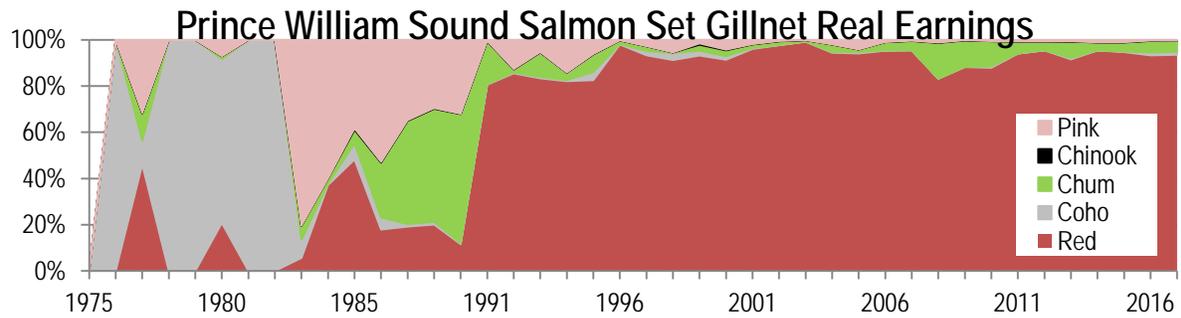
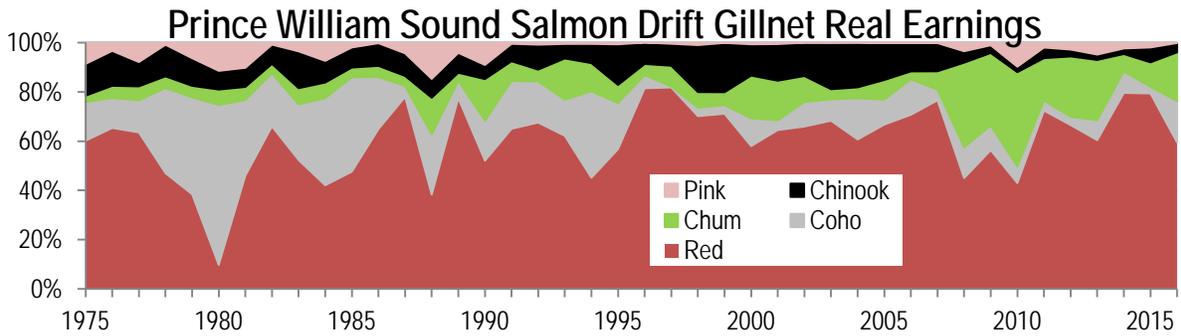
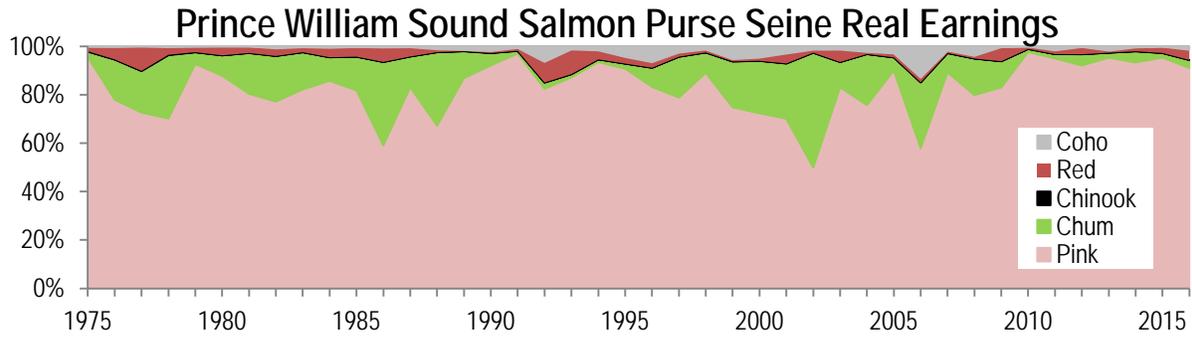


CFEC Permit Holdings and Estimates of Gross Earnings in the Prince William Sound Commercial Salmon Fisheries, 1975-2016



Real permit earnings were calculated using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

CFEC Report Number 17-4N
November, 2017

Commercial Fisheries Entry Commission
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Abstract

Limited entry permits held in the Prince William Sound commercial salmon fisheries are examined: the purse seine fishery (S01E permits) is first, followed by drift gillnet (S03E permits), and then set gillnet (S04E permits). This report includes summary statistics on the number of permit holdings, permanent and emergency transfers of permits, permit value, permit latency, new entrants in the fisheries, permit holder median age, estimated gross earnings, vessel characteristics for the purse and drift gillnet fisheries, and DNR shore fishery leases for the set gillnet fishery. Some summary statistics are also separated by resident type. A description of the computer files and methods used to generate the statistics are provided.

The figures on the cover display proportion of average gross earnings by species for the three Prince William Sound salmon fisheries in this report. Data is from ADF&G fish tickets from 1975 to 2016.

Prepared by Marcus Gho

Acknowledgements

Special thanks to Craig Farrington for his insights and contributions to this document.

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Introduction

This report provides an overview of limited entry permit holdings and estimated gross earnings in the Prince William Sound commercial salmon fisheries. Commercial fishing in Prince William Sound has been documented as far back as 1889.¹ Historically, several gear types have been employed to commercially catch salmon in Prince William Sound, but today the three commercial salmon fisheries prosecuted in Prince William Sound are: purse seine (S01E); drift gillnet (S03E); and set gillnet (S04E) fisheries.

In 1972, Alaskan voters amended the state constitution to allow limited entry in the state’s commercial fisheries. Following the amendment, in 1973 the Alaska State Legislature enacted the Limited Entry Act (AS 16.43), giving the Commercial Fisheries Entry Commission (CFEC) the authority to administer the program. Permit fisheries are defined by CFEC as a specific gear type for a fishery resource within a defined administrative area.

The Prince William Sound commercial salmon fisheries were part of an original group of 19 Alaska salmon fisheries that were limited after the Alaska legislature passed the limited entry act. Under the authority of AS 16.43.230, CFEC identified the Prince William Sound drift gillnet fishery among “distressed fisheries” in the State’s limited entry regulations². Salmon limited entry permits in all three Prince William Sound fisheries were first issued in 1975.

Information regarding season length, openings and closings, size, and other such data can be found in the Alaska Department of Fish and Game’s Area Management Reports. This report focuses on the economics of these commercial fisheries.

ADF&G fish tickets identify, among other things, the species harvested. Salmon species on fish tickets are well documented for each of these fisheries. Variations do exist in the financial composition for each of the five major Pacific salmon species commercially exploited in Prince William Sound from year to year and across each fishery. For each of the three gear groups, commercial harvest of species other than salmon were documented at rates less than 0.1% so they are not displayed in Table 1.

Table 1. Percent of Total Ex-vessel Value of Prince William Sound Salmon Fisheries by Species, 1975-2016

Species	PWS Purse Seine	PWS Drift Gillnet	PWS Set Gillnet	Total PWS Salmon
<i>Chinook</i>	0.03%	8.9%	0.1%	4.4%
<i>sockeye</i>	2.5%	61.6%	80.1%	33.2%
<i>coho</i>	1.2%	14.8%	1.8%	7.9%
<i>pink</i>	85.2%	3.3%	7.4%	43.2%
<i>chum</i>	11.0%	11.3%	10.7%	11.2%

¹ See Alaska’s Commercial Salmon Catches, 1878-1997. RIR No. 5J99-05.

² See 20 AAC 05.300.

Description of the Data Files Used to Generate This Report

Five data files were used to generate the statistics in this report: the CFEC gross earnings file, the CFEC permit file, the CFEC vessel file, the Alaska Department of Natural Resources (DNR) shore fishery lease file, and the CFEC Census file. In addition to these files, a shape file from the DNR was combined with geographic information systems to create a map depicting set gillnet sites that have active DNR shore fishery leases. The most recent updated data is included in this report. The following is a brief description of each file. Please contact CFEC for more detail about these files if you are interested.

CFEC Gross Earnings File

The CFEC gross earnings file is based on ADF&G fish tickets and is augmented with CFEC permit holder and other data. The ex-vessel value for salmon in the CFEC gross earnings file largely come from the Commercial Operators Annual Report and ADF&G fish tickets with some additional information provided by processors. ADF&G salmon districts were mapped out from statistical areas using information provided by ADF&G.

CFEC Permit File

The CFEC permit file contains data on persons who hold or have held CFEC permits. It originates from CFEC permit renewal and permit transfer forms. The permit file contains a data field indicating the declared residency of permit holders as well as their addresses.

In this report, resident status is categorized into three resident types:

- *Local* – permits held by persons residing locally to the ADF&G management area
- *Nonlocal* – permits held by persons who reside in Alaska outside of the ADF&G management area
- *Nonresidents* – permits held by persons who are not residents of Alaska

CFEC Vessel File

CFEC maintains a computer file of vessel registration data back to 1978. Commercial fishermen fill out a form and voluntarily provide data regarding the vessel they intend to use that fishing season.

DNR Shore Fishery Lease Data File

The DNR Land Administration System contains records used to maintain the DNR Shore Fishery Lease program. These records were merged with the CFEC permit file to create a dataset in 2016. The steps outlining the creation of the dataset is described in CFEC Report Number 17-2N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2016*.

CFEC Census File

CFEC maintains a computer file of places within Alaska where permit holders reside. Each community is annotated with information on its local or nonlocal status by permit fishery. Table 2 lists the communities that are currently designated as local to each of the management areas in this report, as per the 2010 CFEC Census File.

Table 2. Communities Local to the Prince William Sound Salmon Fisheries, as Indicated in the CFEC Census File

Cape Yakataga	Evans Island	Katalla	Port Nellie Juan
Chenega	Eyak	Knight Island	Ptarmigan
Chenega Bay	Falls Bay	Latouche	Tatitlek
Cordova	Golden	Nuchek	Valdez
Ellamar	Icy Bay	Port Ashton	Whittier

Data Display

Percentages are rounded to the nearest tenth of a percent where displayed. Dollars are rounded to whole dollars. As such, rounded aggregates may appear to not total due to rounding. If you would like more precise figures then please contact the CFEC research unit. Some counts will vary from previous research projects insofar as the data has been corrected and updated.

Prince William Sound Salmon Purse Seine Fishery

S01E Permit Holdings

Limited entry permits for the Prince William Sound salmon purse seine fishery (S01E permits) were issued starting in 1975. Table 3 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 267 S01E permits. Of this total, Alaska Locals received 68.9% (184/267) of the permits, Nonlocal Alaskans received 10.1% (27/267) of the permits, and Nonresidents received 21.0% (56/267). Every permit issued was a transferable permit.

Table 3. Initial Issuance and Year-end 2016 Totals of Prince William Sound Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2016 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percentage
Local	184	68.9%	-51	-27.7%	-45	-24.5%	0	0.0%	88	33.0%
Nonlocal	27	10.1%	62	229.6%	13	48.1%	0	0.0%	102	38.2%
Nonresident	56	21.0%	-11	-19.6%	32	57.1%	0	0.0%	77	28.8%
Total	267	100.0%	0	0.0%	0	0.0%	0	0.0%	267	100.0%

The number of permits held by each resident type can change for three reasons: permits can be transferred to other resident types (transfer); permit holders can move from one location to another (migration); or permits can be cancelled (such as when a permit holder does not pay the renewal fee for two consecutive years). This table indicates the extent to which these factors have contributed to net changes in permit holdings in this fishery. Both transfers and migrations have had substantial impacts on the changes.

Transfers of S01E Permits

Under the Limited Entry Act's terms of free transferability, permits may be sold, traded, given away, or inherited. CFEC requires the completion of a survey with each transfer.³ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 4. Transfer Acquisition Methods for Prince William Sound Salmon Purse Seine Permits, 1980-2016

Acquisition Method	S01E Permit		PWS Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	288	33.1%	684	27.1%	1,157	31.7%	13,386	36.3%
<i>Sale</i>	537	61.7%	1,726	68.3%	2,299	63.0%	21,761	59.0%
<i>Trade</i>	13	1.5%	32	1.3%	64	1.8%	511	1.4%
<i>Other</i>	33	3.8%	85	3.4%	132	3.6%	1,215	3.3%
Total	871		2,527		3,652		36,873	

Table 4 compares and contrasts transfer acquisition methods for the S01E permits, all three Prince William Sound salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2016. More than half of all S01E permit transfers were sales (61.7%, or 537/871), almost one third were transferred as gifts (33.1% or 288/871), and a smaller percentage were trades (1.5% or 13/871) or other (3.8% or 33/871). The annual acquisition methods for S01E permits have not changed substantially throughout the time period.⁴

Table 5. Relationships of Transferor to Transfer Recipients for Prince William Sound Salmon Purse Seine Permits, 1980-2016

Relationship	S01E Permit		PWS Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	148	17.0%	436	17.3%	666	18.2%	6,801	18.4%
<i>Member of Immediate Family</i>	295	33.9%	717	28.4%	1,169	32.0%	12,468	33.8%
<i>Other Relative</i>	39	4.5%	97	3.8%	146	4.0%	1,707	4.6%
<i>Other</i>	389	44.7%	1,277	50.5%	1,671	45.8%	15,897	43.1%
Total	871		2,527		3,652		36,873	

Table 5 shows the relationships between the transferors and transfer recipients for S01E permits, and compares and contrasts S01E permit transfers with all three Prince William Sound salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits from 1980 to 2016. Transfers within the family, both immediate family members and other relatives, total 38.3% (334/871) of all transfers. This compares to 32.2% (814/2,527) for all three Prince William Sound salmon permit types combined, 36.0% (1,315/3,652) for statewide salmon purse seine permits, and 38.4% (14,175/36,873) for all limited entry permits statewide.

³ CFEC implemented the transfer survey in 1980.

⁴ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2016*, CFEC Report No. 17-1N.

S01E Permit Value

Many permit transfers are non-monetary transactions (see Table 4). Table 6 considers solely the arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 6. CFEC Estimated Value of Prince William Sound Salmon Purse Seine Permits

Year	S01E Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	15	\$97,578	-	\$242,688	-
1983	19	\$143,186	-	\$345,037	-
1984	11	\$131,695	-	\$304,213	-
1985	17	\$109,625	-	\$244,524	-
1986	13	\$98,841	-	\$216,446	-
1987	21	\$93,500	-	\$197,541	-
1988	18	\$145,972	-	\$296,148	-
1989	6	\$236,333	-	\$457,432	-
1990	6	\$273,333	-	\$501,927	-
1991	10	\$215,500	\$26,500	\$379,747	\$46,697
1992	19	\$98,300	\$10,700	\$168,159	\$18,304
1993	10	\$88,900	\$23,600	\$147,658	\$39,198
1994	17	\$35,300	\$9,200	\$57,168	\$14,899
1995	7	\$64,300	\$12,750	\$101,263	\$20,079
1996	6	\$33,800	\$5,800	\$51,703	\$8,872
1997	17	\$36,400	\$4,850	\$54,431	\$7,253
1998	10	\$36,600	\$5,850	\$53,891	\$8,614
1999	10	\$23,100	\$2,600	\$33,278	\$3,746
2000	18	\$22,000	\$2,400	\$30,663	\$3,345
2001	10	\$21,400	\$1,150	\$29,001	\$1,558
2002	8	\$20,000	\$5,550	\$26,682	\$7,404
2003	3	\$13,500	\$2,400	\$17,609	\$3,131
2004	6	\$14,000	\$1,550	\$17,788	\$1,969
2005	11	\$19,200	\$2,400	\$23,595	\$2,949
2006	12	\$26,100	\$1,900	\$31,072	\$2,262
2007	15	\$30,900	\$4,200	\$35,768	\$4,862
2008	37	\$70,200	\$24,950	\$78,255	\$27,813
2009	7	\$75,300	\$13,400	\$84,240	\$14,991
2010	20	\$100,500	\$26,650	\$110,617	\$29,333
2011	26	\$140,000	\$10,400	\$149,378	\$11,097
2012	13	\$168,700	\$10,100	\$176,351	\$10,558
2013	19	\$168,000	\$23,200	\$173,084	\$23,902
2014	10	\$204,600	\$12,350	\$207,427	\$12,521
2015	10	\$186,700	\$15,500	\$189,055	\$15,696
2016	13	\$147,900	\$4,750	\$147,900	\$4,750

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Emergency Transfers of S01E Permits

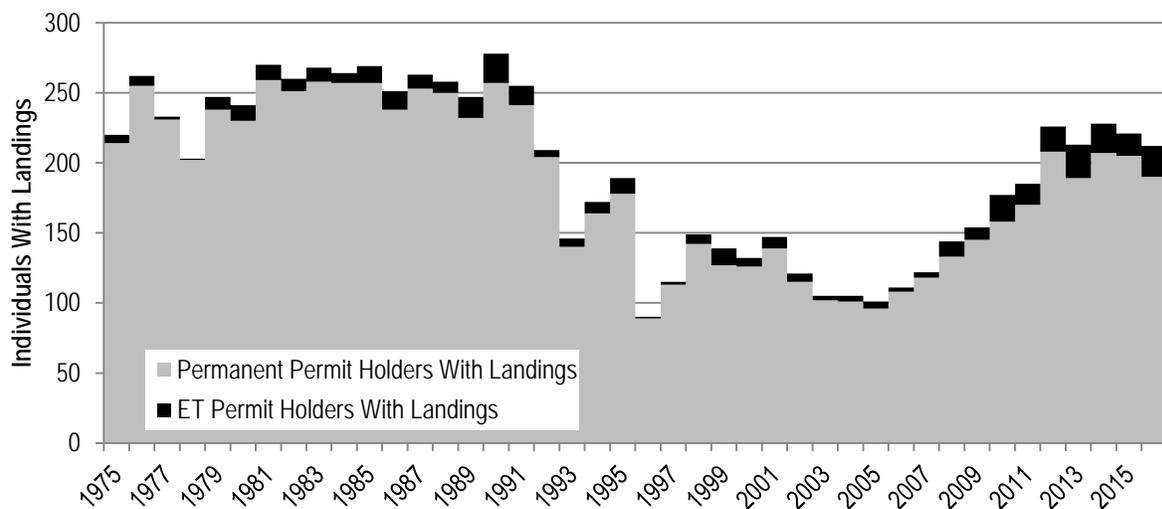
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, and unforeseen nature prevents the permanent permit holder from participating in the fishery. “Hardship” does not include the results of a permit holder’s own economic decisions, or the results of economic, biological or regulatory variables which are normally part of the risk of doing business as a fisherman. At the end of the year, ET permits automatically revert back to the permanent permit holder.

Table 7 and Figure 1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 7. Use of Emergency Transfer Permits in the Prince William Sound Salmon Purse Seine Fishery, 1975-2016

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	220	6	2.7%	1989	247	15	6.1%	2003	105	3	2.9%
1976	262	7	2.7%	1990	278	21	7.6%	2004	105	4	3.8%
1977	233	2	0.9%	1991	255	14	5.5%	2005	101	5	5.0%
1978	203	1	0.5%	1992	209	5	2.4%	2006	111	3	2.7%
1979	247	9	3.6%	1993	146	6	4.1%	2007	122	4	3.3%
1980	241	11	4.6%	1994	172	8	4.7%	2008	144	11	7.6%
1981	270	11	4.1%	1995	189	11	5.8%	2009	154	9	5.8%
1982	260	9	3.5%	1996	90	1	1.1%	2010	177	19	10.7%
1983	268	10	3.7%	1997	115	2	1.7%	2011	185	15	8.1%
1984	264	7	2.7%	1998	149	7	4.7%	2012	226	18	8.0%
1985	269	12	4.5%	1999	139	12	8.6%	2013	213	24	11.3%
1986	251	13	5.2%	2000	132	6	4.5%	2014	228	21	9.2%
1987	263	10	3.8%	2001	147	8	5.4%	2015	221	16	7.2%
1988	258	8	3.1%	2002	121	6	5.0%	2016	212	22	10.4%

Figure 1. Use of Emergency Transfer Permits in the Prince William Sound Salmon Purse Seine Fishery, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Latent S01E Permits

CFEC regulations require individuals to renew their limited entry permits annually, regardless of whether they actually fish. Permits that are not used (don't record landings) in a given year are referred to herein as "latent" permits for that year.

Table 8 indicates the total number of viable S01E permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 2.

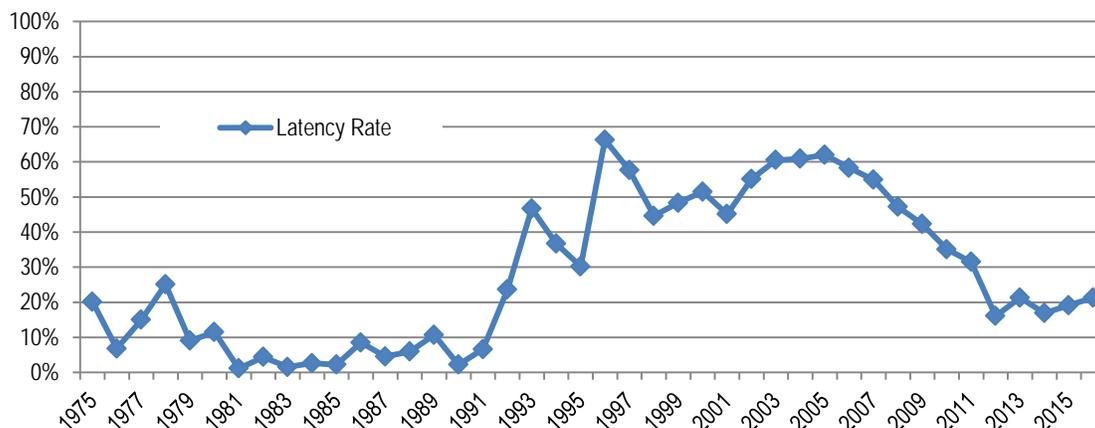
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 8. Prince William Sound Salmon Purse Seine Permit Latency, 1975-2016

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	274	219	20.1%	1989	270	241	10.7%	2003	266	105	60.5%
1976	278	259	6.8%	1990	271	265	2.2%	2004	266	104	60.9%
1977	273	232	15.0%	1991	271	253	6.6%	2005	266	101	62.0%
1978	271	203	25.1%	1992	271	207	23.6%	2006	266	111	58.3%
1979	268	244	9.0%	1993	270	144	46.7%	2007	266	120	54.9%
1980	270	239	11.5%	1994	270	171	36.7%	2008	267	141	47.2%
1981	270	267	1.1%	1995	268	187	30.2%	2009	267	154	42.3%
1982	270	258	4.4%	1996	267	90	66.3%	2010	268	174	35.1%
1983	270	266	1.5%	1997	269	114	57.6%	2011	267	183	31.5%
1984	269	262	2.6%	1998	267	148	44.6%	2012	267	224	16.1%
1985	271	265	2.2%	1999	267	138	48.3%	2013	267	210	21.3%
1986	271	248	8.5%	2000	268	130	51.5%	2014	267	222	16.9%
1987	269	257	4.5%	2001	268	147	45.1%	2015	267	216	19.1%
1988	271	255	5.9%	2002	267	120	55.1%	2016	267	210	21.3%

- When an individual with an interim-entry permit is issued a permanent permit in the same year, only the permanent permit is counted in the above table.
- 'Permits Fished' is the number of CFEC permits that were used to record commercial landings in that year.

Figure 2. Prince William Sound Salmon Purse Seine Permit Latency, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

New Entrants into the Prince William Sound Salmon Purse Seine Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S01E permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

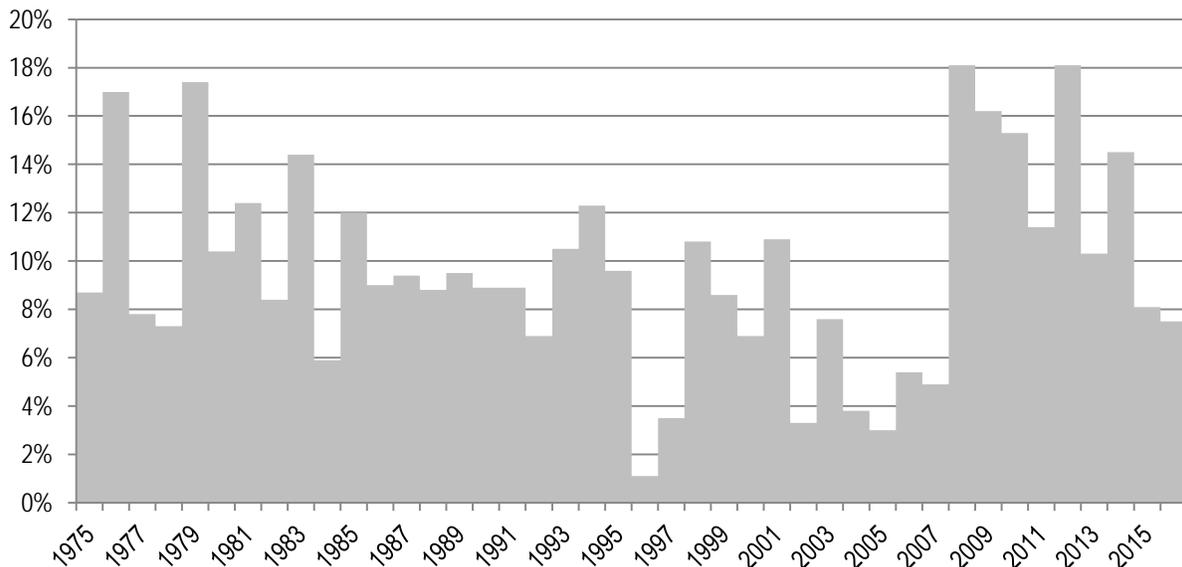
Table 9 and Figure 3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01E permit one year, and then in subsequent years hold a different S01E permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

Table 9. New Entrants into the Prince William Sound Salmon Purse Seine Fishery, 1975-2016

Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent
1975	161	14	8.7%	1986	244	22	9.0%	1997	114	4	3.5%	2008	144	26	18.1%
1976	230	39	17.0%	1987	256	24	9.4%	1998	148	16	10.8%	2009	154	25	16.2%
1977	219	17	7.8%	1988	251	22	8.8%	1999	139	12	8.6%	2010	176	27	15.3%
1978	191	14	7.3%	1989	241	23	9.5%	2000	131	9	6.9%	2011	185	21	11.4%
1979	236	41	17.4%	1990	271	24	8.9%	2001	147	16	10.9%	2012	226	41	18.1%
1980	231	24	10.4%	1991	248	22	8.9%	2002	121	4	3.3%	2013	213	22	10.3%
1981	259	32	12.4%	1992	202	14	6.9%	2003	105	8	7.6%	2014	228	33	14.5%
1982	249	21	8.4%	1993	143	15	10.5%	2004	105	4	3.8%	2015	221	18	8.1%
1983	257	37	14.4%	1994	171	21	12.3%	2005	101	3	3.0%	2016	212	16	7.5%
1984	255	15	5.9%	1995	188	18	9.6%	2006	111	6	5.4%				
1985	259	31	12.0%	1996	90	1	1.1%	2007	122	6	4.9%				

- New Entrants excludes individuals with interim-entry and emergency transfer permits.

Figure 3. New Entrants into the Prince William Sound Salmon Purse Seine Fishery, 1975-2016



Age of S01E Permit Holders

Table 10. Median Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S01E	Combined PWS Salmon	Statewide Salmon Purse Seine	Statewide All Permits	AK Median Age
1975	44.8	39.9	44.0	42.9	24.3
1976	41.7	38.3	43.3	41.3	24.7
1977	41.6	38.4	42.5	40.5	25.1
1978	41.2	38.2	41.7	40.1	25.4
1979	40.3	38.1	41.2	40.1	25.8
1980	40.2	38.5	40.9	39.6	26.0
1981	39.7	38.3	40.9	39.5	26.4
1982	40.1	38.0	40.7	39.5	26.8
1983	39.9	38.0	40.4	39.6	27.1
1984	40.4	38.6	40.9	39.9	27.3
1985	41.0	38.9	41.2	40.1	27.5
1986	41.6	39.1	40.9	40.1	27.8
1987	40.9	39.4	40.8	40.4	28.2
1988	41.9	40.0	40.9	40.6	28.6
1989	41.9	40.6	41.1	41.0	29.0
1990	42.8	40.8	41.7	41.4	29.3
1991	42.7	41.1	41.9	41.9	29.7
1992	43.7	42.5	42.7	42.4	30.1
1993	43.9	42.9	43.2	43.0	30.5
1994	44.8	43.7	43.5	43.5	30.8
1995	45.9	44.0	43.9	43.9	31.1
1996	46.9	44.5	44.6	44.5	31.5
1997	47.7	45.2	45.5	45.0	31.8
1998	48.5	45.9	46.0	45.6	32.1
1999	48.2	46.1	46.9	46.1	32.3
2000	48.2	45.9	47.1	46.6	32.4
2001	49.0	46.9	48.1	47.0	32.7
2002	49.9	47.6	48.8	47.7	33.0
2003	50.5	48.2	49.7	48.4	33.2
2004	51.4	49.0	50.7	48.8	33.4
2005	52.2	49.6	51.4	49.3	33.6
2006	52.4	50.2	51.9	49.7	33.8
2007	52.5	50.4	52.5	50.1	33.9
2008	51.4	50.5	52.6	50.5	33.9
2009	52.3	51.2	53.5	51.1	33.9
2010	52.2	50.9	53.8	51.4	33.8
2011	51.9	50.9	53.9	51.8	33.9
2012	52.9	51.2	54.2	52.1	34.1
2013	53.4	51.4	53.9	52.4	34.3
2014	53.9	51.2	53.9	52.7	34.3
2015	52.9	51.2	54.2	53.3	34.5
2016	53.8	51.2	55.1	53.8	34.7

• AK Median age data is from the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Table 10 shows the annual median age of five different cohorts of people: 1) Prince William Sound salmon purse seine (S01E) permit holders; 2) all three (S01E, S03E, and S04E) Prince William Sound salmon permit holders; 3) statewide salmon purse seine permit holders 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S01E permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.4 years between 1975 and 2016, which represents a 42.7% increase. The percent change in ages over the same period for all CFEC permit holders increased by 25.2% (10.8 years), 25.2% (11.1 years) for the statewide salmon purse seine permit holders, and 28.3% (11.3 years) for the combined Prince William Sound salmon permit holders.

For S01E permit holders, the median age increased 20.1% (9.0 years).

Prince William Sound Salmon Purse Seine Vessel Characteristics

Table 11 reports on various vessel characteristics of the Prince William Sound salmon purse seine fleet since 1978. Reported are the age, length, net tonnage, horsepower, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category reports the count of vessels with described characteristics. Statistics reported include the 25th percentile, median, and 75th percentile.

Table 11. Prince William Sound Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Age				Length				Gross Tons				Net Tons				Horsepower				Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	207	194	6	11	20	202	30	32	36	146	10	14	18	182	7	11	13	196	130	165	220	101	200	360	562
1979	247	228	5	11	21	234	30	33	37	169	10	14	19	214	7	11	13	222	140	178	225	133	200	400	600
1980	243	227	4	10	19	234	31	34	38	181	11	15	21	221	8	11	15	216	140	185	230	130	300	443	700
1981	269	254	3	7	18	259	32	36	40	206	13	17	26	246	9	12	18	241	150	210	270	150	350	510	900
1982	263	253	3	7	17	256	33	38	42	206	14	19	27	245	11	14	21	239	165	220	280	148	450	673	1,000
1983	273	267	3	7	15	269	34	38	42	224	14	20	29	262	11	15	22	259	165	225	318	174	450	700	1,000
1984	263	258	4	8	17	260	34	38	42	222	14	20	28	252	11	15	22	254	165	225	300	163	450	680	1,000
1985	278	273	5	8	16	274	34	38	42	237	15	20	28	265	12	16	22	271	165	225	315	188	470	700	980
1986	253	253	6	8	16	253	35	38	42	220	15	21	30	245	12	16	22	250	170	235	320	175	500	700	980
1987	269	268	7	9	17	268	35	38	44	236	16	21	31	260	12	16	23	265	165	230	320	188	483	700	1,000
1988	257	257	7	10	18	257	36	39	44	223	16	24	32	244	12	17	24	252	173	235	325	188	500	710	1,000
1989	255	255	8	10	18	255	37	40	46	222	17	26	34	243	12	20	26	253	195	260	355	191	500	750	1,000
1990	281	279	8	11	18	280	38	42	48	237	19	26	36	257	14	20	28	277	200	270	365	201	560	800	1,000
1991	253	252	8	11	17	252	38	44	49	215	20	28	40	233	15	22	28	252	220	300	440	187	600	825	1,120
1992	212	210	5	11	14	211	38	45	49	184	23	29	41	197	17	22	29	210	235	307	450	158	660	900	1,200
1993	145	144	5	12	15	144	40	45	50	124	25	30	40	133	20	22	29	144	250	325	533	112	700	900	1,200
1994	176	175	7	13	17	176	38	44	49	149	20	26	35	161	16	21	26	175	235	307	450	122	600	857	1,200
1995	187	187	7	15	18	187	38	44	49	164	22	28	40	175	16	22	28	184	230	307	450	138	600	813	1,000
1996	91	91	8	15	18	91	42	46	50	76	26	30	40	81	20	22	30	89	250	320	490	67	700	912	1,200
1997	115	115	9	16	19	115	41	45	50	99	25	29	40	105	20	22	28	113	250	320	540	80	680	900	1,047
1998	150	150	10	17	20	150	42	46	50	130	25	29	42	137	19	22	30	147	250	320	540	100	655	900	1,097
1999	137	137	10	18	20	137	42	47	50	119	26	30	42	127	20	23	30	136	250	350	540	94	700	900	1,200
2000	132	132	11	19	21	132	42	47	50	114	26	30	42	122	20	22	30	131	250	340	540	89	700	900	1,200
2001	145	145	13	20	22	145	42	47	51	126	26	30	42	135	20	24	30	144	250	338	540	101	700	945	1,200
2002	120	120	13	20	23	120	44	48	51	106	26	32	43	112	20	25	33	119	275	375	550	87	750	975	1,200
2003	103	103	14	21	24	103	44	49	51	92	26	34	44	97	21	26	33	102	300	370	550	77	800	1,000	1,200
2004	103	103	15	22	24	103	45	49	52	92	26	34	44	97	21	26	34	102	300	390	550	77	800	1,000	1,200
2005	98	98	16	23	25	98	45	49	52	86	26	34	45	92	21	26	35	97	300	375	550	73	800	980	1,200
2006	107	107	17	24	26	107	45	50	53	97	26	34	46	100	21	26	35	106	300	393	550	81	800	1,000	1,200
2007	116	116	18	25	28	116	45	50	53	104	26	35	46	107	21	27	35	114	300	378	550	85	800	1,000	1,200
2008	131	131	19	26	29	131	45	50	54	120	26	35	46	123	21	27	35	130	300	383	550	100	800	1,000	1,300
2009	152	151	20	27	31	151	44	50	54	138	26	35	49	144	21	27	35	149	300	375	550	116	800	1,000	1,400
2010	172	172	21	29	32	172	44	50	54	155	26	37	50	163	20	26	35	170	300	365	540	131	800	1,000	1,400
2011	183	182	22	30	33	182	42	50	54	165	26	35	47	171	20	25	35	181	300	365	540	132	800	1,000	1,325
2012	226	226	23	31	34	226	45	50	55	205	26	40	51	210	21	27	36	223	300	375	550	168	800	1,000	1,725
2013	207	207	24	32	35	207	44	50	54	182	26	35	47	189	20	25	34	205	300	365	550	152	800	1,000	1,518
2014	243	243	24	32	36	243	42	50	55	219	26	35	50	224	20	25	35	240	300	375	550	181	764	1,000	1,668
2015	229	226	26	33	37	226	44	50	54	202	26	35	49	208	20	25	35	224	300	386	585	171	800	1,064	1,700
2016	209	209	27	34	38	209	46	50	55	195	26	37	50	198	20	26	35	206	300	383	550	164	800	1,085	1,700
Total	914					879	32	40	49	748	14	25	40	787	10	17	28	853	185	283	400	580	400	800	1,400

Prince William Sound Salmon Purse Seine (S01E)

Table 12 provides additional Prince William Sound salmon purse seine vessel characteristics. Included are statistics of engine power type and hull material for each year since 1978.

Table 12. Additional Prince William Sound Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Engine Power					Hull Material										
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Concrete	Steel	Wood							
1978	207	201	166	82.6%	35	17.4%	201	0	0.0%	92	45.8%	3	1.5%	7	3.5%	99	49.3%
1979	247	234	195	83.3%	39	16.7%	232	2	0.9%	117	50.4%	3	1.3%	12	5.2%	98	42.2%
1980	243	235	210	89.4%	25	10.6%	231	4	1.7%	123	53.2%	3	1.3%	9	3.9%	92	39.8%
1981	269	258	242	93.8%	16	6.2%	250	4	1.6%	162	64.8%	4	1.6%	9	3.6%	71	28.4%
1982	263	256	248	96.9%	8	3.1%	249	2	0.8%	175	70.3%	3	1.2%	9	3.6%	60	24.1%
1983	273	269	258	95.9%	11	4.1%	263	3	1.1%	188	71.5%	3	1.1%	12	4.6%	57	21.7%
1984	263	260	248	95.4%	12	4.6%	254	4	1.6%	181	71.3%	1	0.4%	9	3.5%	59	23.2%
1985	278	274	261	95.3%	13	4.7%	271	5	1.8%	197	72.7%	1	0.4%	15	5.5%	53	19.6%
1986	253	252	241	95.6%	11	4.4%	251	4	1.6%	189	75.3%	1	0.4%	12	4.8%	45	17.9%
1987	269	267	255	95.5%	12	4.5%	264	3	1.1%	199	75.4%	1	0.4%	14	5.3%	47	17.8%
1988	257	255	242	94.9%	13	5.1%	254	7	2.8%	190	74.8%	2	0.8%	14	5.5%	41	16.1%
1989	255	254	248	97.6%	6	2.4%	252	5	2.0%	189	75.0%	2	0.8%	17	6.7%	39	15.5%
1990	281	279	273	97.8%	6	2.2%	278	6	2.2%	215	77.3%	2	0.7%	17	6.1%	38	13.7%
1991	253	251	248	98.8%	3	1.2%	251	5	2.0%	205	81.7%	1	0.4%	18	7.2%	22	8.8%
1992	212	210	210	100.0%	0	0.0%	211	3	1.4%	180	85.3%	0	0.0%	14	6.6%	14	6.6%
1993	145	143	143	100.0%	0	0.0%	145	4	2.8%	126	86.9%	0	0.0%	10	6.9%	5	3.4%
1994	176	174	173	99.4%	1	0.6%	176	7	4.0%	147	83.5%	0	0.0%	13	7.4%	9	5.1%
1995	187	183	180	98.4%	3	1.6%	187	8	4.3%	158	84.5%	0	0.0%	13	7.0%	8	4.3%
1996	91	89	89	100.0%	0	0.0%	91	2	2.2%	79	86.8%	0	0.0%	7	7.7%	3	3.3%
1997	115	113	112	99.1%	1	0.9%	115	5	4.3%	104	90.4%	0	0.0%	4	3.5%	2	1.7%
1998	150	147	147	100.0%	0	0.0%	150	6	4.0%	132	88.0%	0	0.0%	7	4.7%	5	3.3%
1999	137	135	135	100.0%	0	0.0%	136	6	4.4%	117	86.0%	0	0.0%	8	5.9%	5	3.7%
2000	132	130	129	99.2%	1	0.8%	131	6	4.6%	114	87.0%	0	0.0%	7	5.3%	4	3.1%
2001	145	143	142	99.3%	1	0.7%	144	7	4.9%	126	87.5%	0	0.0%	7	4.9%	4	2.8%
2002	120	118	118	100.0%	0	0.0%	120	3	2.5%	110	91.7%	0	0.0%	5	4.2%	2	1.7%
2003	103	101	101	100.0%	0	0.0%	103	3	2.9%	93	90.3%	0	0.0%	6	5.8%	1	1.0%
2004	103	101	101	100.0%	0	0.0%	103	5	4.9%	91	88.3%	0	0.0%	6	5.8%	1	1.0%
2005	98	97	95	97.9%	2	2.1%	98	3	3.1%	89	90.8%	0	0.0%	5	5.1%	1	1.0%
2006	107	106	105	99.1%	1	0.9%	107	2	1.9%	98	91.6%	0	0.0%	7	6.5%	0	0.0%
2007	116	115	112	97.4%	3	2.6%	116	2	1.7%	103	88.8%	0	0.0%	9	7.8%	2	1.7%
2008	131	131	130	99.2%	1	0.8%	131	5	3.8%	111	84.7%	0	0.0%	12	9.2%	3	2.3%
2009	152	151	149	98.7%	2	1.3%	151	10	6.6%	121	80.1%	0	0.0%	14	9.3%	6	4.0%
2010	172	172	171	99.4%	1	0.6%	171	12	7.0%	132	77.2%	0	0.0%	19	11.1%	8	4.7%
2011	183	182	180	98.9%	2	1.1%	182	13	7.1%	143	78.6%	0	0.0%	19	10.4%	7	3.8%
2012	226	226	224	99.1%	2	0.9%	226	18	8.0%	172	76.1%	0	0.0%	26	11.5%	10	4.4%
2013	207	207	204	98.6%	3	1.4%	206	21	10.2%	152	73.8%	0	0.0%	28	13.6%	5	2.4%
2014	243	242	233	96.3%	9	3.7%	242	29	12.0%	174	71.9%	0	0.0%	31	12.8%	8	3.3%
2015	229	226	222	98.2%	4	1.8%	225	23	10.2%	165	73.3%	0	0.0%	31	13.8%	6	2.7%
2016	209	209	209	100.0%	0	0.0%	208	20	9.6%	159	76.4%	0	0.0%	23	11.1%	6	2.9%
Total	914	874	773	88.4%	101	11.6%	874	71	8.1%	568	65.0%	3	0.3%	74	8.5%	158	18.1%

Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 4 are for both nominal and real dollars using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

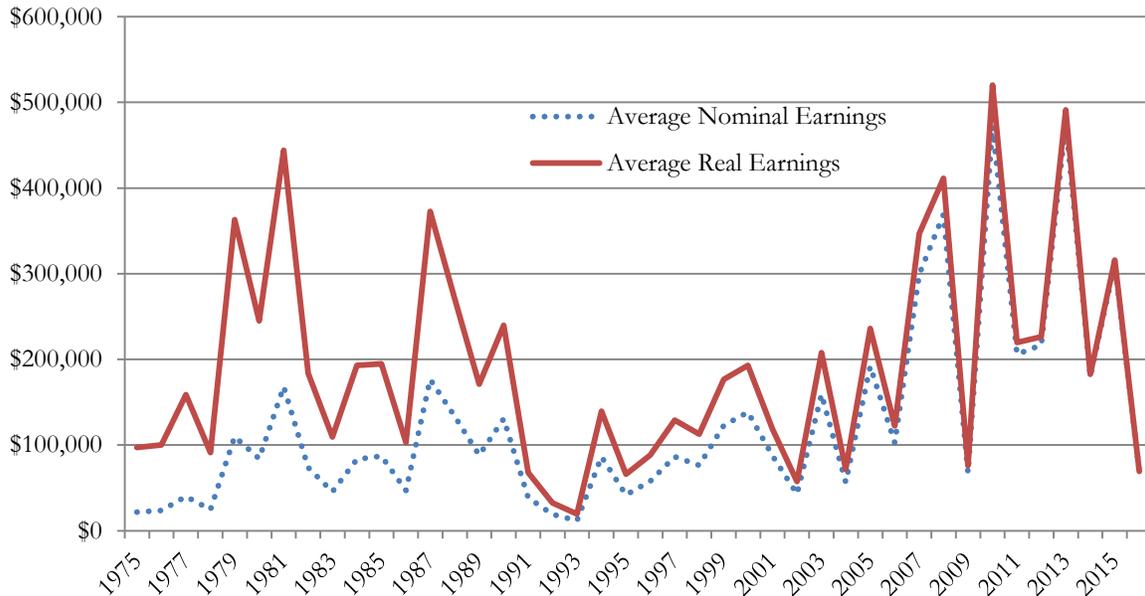
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 2010. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

Table 13 reports the number of permits issued, permits and vessels with landings, and estimated gross earnings in the Prince William Sound salmon purse seine fishery from 1975 to 2016. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

Table 14 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 15 breaks out participation and earnings by ADF&G salmon district with real ex-vessel values.

Figure 4. Estimated Nominal and Real Average Gross Earnings Per Prince William Sound Salmon Purse Seine Permit



- Real earnings are adjusted for inflation using the 2016 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 13. Estimated Total Gross Earnings (Real and Nominal) for the Prince William Sound Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2016

Year	Viable Permits	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	274	\$4,768,363	\$21,272,128	219	\$97,133	222	\$95,820
1976	278	\$6,158,317	\$25,976,086	259	\$100,294	261	\$99,525
1977	273	\$9,302,375	\$36,842,163	232	\$158,802	248	\$148,557
1978	271	\$5,023,899	\$18,493,419	203	\$91,101	207	\$89,340
1979	268	\$26,799,746	\$88,596,787	244	\$363,102	247	\$358,691
1980	270	\$20,096,871	\$58,536,282	239	\$244,922	243	\$240,890
1981	270	\$44,902,002	\$118,556,597	267	\$444,032	269	\$440,731
1982	270	\$19,044,219	\$47,365,243	258	\$183,586	263	\$180,096
1983	270	\$12,097,476	\$29,151,395	266	\$109,592	273	\$106,782
1984	269	\$21,901,232	\$50,591,425	262	\$193,097	263	\$192,363
1985	271	\$23,132,557	\$51,598,287	265	\$194,711	278	\$185,605
1986	271	\$11,674,069	\$25,564,399	248	\$103,082	253	\$101,045
1987	269	\$45,360,842	\$95,835,560	257	\$372,901	269	\$356,266
1988	271	\$34,064,369	\$69,109,780	255	\$271,019	257	\$268,910
1989	270	\$21,316,552	\$41,259,046	241	\$171,199	255	\$161,800
1990	271	\$34,589,475	\$63,517,338	265	\$239,688	281	\$226,040
1991	271	\$9,727,713	\$17,141,845	253	\$67,754	253	\$67,754
1992	271	\$3,957,118	\$6,769,322	207	\$32,702	212	\$31,931
1993	270	\$1,706,858	\$2,835,002	144	\$19,688	145	\$19,552
1994	270	\$14,752,481	\$23,891,354	171	\$139,716	176	\$135,746
1995	268	\$7,832,685	\$12,335,297	187	\$65,964	187	\$65,964
1996	267	\$5,188,891	\$7,937,349	90	\$88,193	91	\$87,224
1997	269	\$9,841,935	\$14,717,341	114	\$129,099	115	\$127,977
1998	267	\$11,334,626	\$16,689,507	148	\$112,767	150	\$111,263
1999	267	\$16,942,605	\$24,407,826	138	\$176,868	137	\$178,159
2000	268	\$18,003,064	\$25,092,110	130	\$193,016	132	\$190,092
2001	268	\$12,862,182	\$17,430,907	147	\$118,578	145	\$120,213
2002	267	\$5,166,570	\$6,892,790	120	\$57,440	120	\$57,440
2003	266	\$16,719,325	\$21,808,451	105	\$207,700	103	\$211,733
2004	266	\$5,898,622	\$7,494,498	104	\$72,062	103	\$72,762
2005	266	\$19,390,127	\$23,828,808	101	\$235,929	98	\$243,151
2006	266	\$11,413,062	\$13,587,375	111	\$122,409	107	\$126,985
2007	266	\$35,955,115	\$41,619,543	120	\$346,830	116	\$358,789
2008	267	\$52,047,970	\$58,019,986	141	\$411,489	131	\$442,901
2009	267	\$10,451,033	\$11,691,788	154	\$75,921	152	\$76,920
2010	268	\$82,212,884	\$90,488,992	174	\$520,052	172	\$526,099
2011	267	\$37,692,355	\$40,217,254	183	\$219,766	183	\$219,766
2012	267	\$48,550,233	\$50,752,179	224	\$226,572	226	\$224,567
2013	267	\$100,114,897	\$103,144,683	210	\$491,165	207	\$498,283
2014	267	\$39,955,927	\$40,508,001	222	\$182,468	243	\$166,700
2015	267	\$67,368,461	\$68,218,323	216	\$315,826	229	\$297,897
2016	267	\$14,547,133	\$14,547,133	210	\$69,272	209	\$69,604

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 14. Estimated Real Gross Earnings for Permit Holders in the Prince William Sound Salmon Purse Seine Fishery by Resident Type, 1975-2016

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	155	\$90,615	\$14,045,366	14	\$110,363	\$1,545,088	51	\$111,405	\$5,681,674	220	\$96,691	\$21,272,128
1976	177	\$94,788	\$16,777,544	28	\$110,102	\$3,082,868	57	\$107,293	\$6,115,674	262	\$99,145	\$25,976,086
1977	165	\$151,056	\$24,924,271	20	\$171,467	\$3,429,337	48	\$176,845	\$8,488,555	233	\$158,121	\$36,842,163
1978	139	\$95,908	\$13,331,198	14	\$92,167	\$1,290,332	50	\$77,438	\$3,871,889	203	\$91,101	\$18,493,419
1979	161	\$346,164	\$55,732,324	27	\$339,639	\$9,170,242	59	\$401,597	\$23,694,220	247	\$358,691	\$88,596,787
1980	157	\$235,774	\$37,016,528	29	\$249,135	\$7,224,918	55	\$259,906	\$14,294,836	241	\$242,889	\$58,536,282
1981	162	\$417,192	\$67,585,135	38	\$435,702	\$16,556,694	70	\$491,640	\$34,414,768	270	\$439,099	\$118,556,597
1982	148	\$142,472	\$21,085,877	46	\$292,460	\$13,453,141	66	\$194,337	\$12,826,224	260	\$182,174	\$47,365,243
1983	143	\$106,022	\$15,161,145	54	\$98,166	\$5,300,951	71	\$122,385	\$8,689,300	268	\$108,774	\$29,151,395
1984	145	\$148,051	\$21,467,456	47	\$249,762	\$11,738,806	72	\$241,461	\$17,385,163	264	\$191,634	\$50,591,425
1985	142	\$179,796	\$25,530,994	54	\$180,517	\$9,747,894	73	\$223,553	\$16,319,399	269	\$191,815	\$51,598,287
1986	130	\$84,479	\$10,982,257	50	\$107,652	\$5,382,588	71	\$129,571	\$9,199,554	251	\$101,850	\$25,564,399
1987	140	\$340,490	\$47,668,630	54	\$353,666	\$19,097,954	69	\$421,290	\$29,068,977	263	\$364,394	\$95,835,560
1988	126	\$237,620	\$29,940,143	59	\$268,416	\$15,836,547	73	\$319,631	\$23,333,090	258	\$267,867	\$69,109,780
1989	108	\$166,655	\$17,998,727	58	\$171,987	\$9,975,253	81	\$164,013	\$13,285,066	247	\$167,041	\$41,259,046
1990	123	\$213,715	\$26,286,979	72	\$211,195	\$15,206,037	83	\$265,353	\$22,024,323	278	\$228,480	\$63,517,338
1991	113	\$63,736	\$7,202,193	67	\$62,901	\$4,214,376	75	\$76,337	\$5,725,276	255	\$67,223	\$17,141,845
1992	99	\$24,952	\$2,470,221	54	\$35,326	\$1,907,620	56	\$42,705	\$2,391,482	209	\$32,389	\$6,769,322
1993	66	\$15,763	\$1,040,345	41	\$23,903	\$980,016	39	\$20,888	\$814,641	146	\$19,418	\$2,835,002
1994	86	\$126,570	\$10,885,054	43	\$152,476	\$6,556,451	43	\$149,996	\$6,449,848	172	\$138,903	\$23,891,354
1995	89	\$64,441	\$5,735,209	49	\$55,948	\$2,741,439	51	\$75,660	\$3,858,650	189	\$65,266	\$12,335,297
1996	44	\$88,888	\$3,911,081	20	\$78,944	\$1,578,884	26	\$94,130	\$2,447,384	90	\$88,193	\$7,937,349
1997	56	\$121,743	\$6,817,584	29	\$126,644	\$3,672,683	30	\$140,902	\$4,227,074	115	\$127,977	\$14,717,341
1998	72	\$95,926	\$6,906,643	36	\$130,184	\$4,686,608	41	\$124,299	\$5,096,256	149	\$112,010	\$16,689,507
1999	75	\$150,191	\$11,264,362	27	\$252,832	\$6,826,456	37	\$170,730	\$6,317,008	139	\$175,596	\$24,407,826
2000	72	\$163,034	\$11,738,481	26	\$249,838	\$6,495,800	34	\$201,701	\$6,857,829	132	\$190,092	\$25,092,110
2001	69	\$96,338	\$6,647,310	37	\$151,209	\$5,594,725	41	\$126,558	\$5,188,872	147	\$118,578	\$17,430,907
2002	57	\$42,439	\$2,419,022	35	\$76,367	\$2,672,860	29	\$62,100	\$1,800,907	121	\$56,965	\$6,892,790
2003	48	\$186,428	\$8,948,538	30	\$220,101	\$6,603,018	27	\$231,737	\$6,256,895	105	\$207,700	\$21,808,451
2004	49	\$60,918	\$2,985,003	28	\$75,764	\$2,121,393	28	\$85,289	\$2,388,102	105	\$71,376	\$7,494,498
2005	46	\$221,141	\$10,172,477	30	\$267,236	\$8,017,073	25	\$225,570	\$5,639,259	101	\$235,929	\$23,828,808
2006	51	\$93,858	\$4,786,776	36	\$150,848	\$5,430,525	24	\$140,420	\$3,370,074	111	\$122,409	\$13,587,375
2007	53	\$299,813	\$15,890,098	39	\$406,678	\$15,860,436	30	\$328,967	\$9,869,009	122	\$341,144	\$41,619,543
2008	59	\$326,120	\$19,241,107	50	\$504,446	\$25,222,289	35	\$387,331	\$13,556,590	144	\$402,917	\$58,019,986
2009	61	\$62,276	\$3,798,855	55	\$98,157	\$5,398,625	38	\$65,640	\$2,494,309	154	\$75,921	\$11,691,788
2010	66	\$457,938	\$30,223,879	66	\$555,313	\$36,650,655	45	\$524,766	\$23,614,458	177	\$511,237	\$90,488,992
2011	70	\$206,483	\$14,453,814	67	\$229,467	\$15,374,266	48	\$216,441	\$10,389,174	185	\$217,391	\$40,217,254
2012	75	\$199,932	\$14,994,866	85	\$240,509	\$20,443,307	66	\$232,030	\$15,314,006	226	\$224,567	\$50,752,179
2013	72	\$439,322	\$31,631,194	81	\$538,016	\$43,579,297	60	\$465,570	\$27,934,192	213	\$484,247	\$103,144,683
2014	74	\$141,985	\$10,506,912	92	\$203,840	\$18,753,251	62	\$181,417	\$11,247,838	228	\$177,667	\$40,508,001
2015	73	\$275,100	\$20,082,280	85	\$350,195	\$29,766,578	63	\$291,579	\$18,369,464	221	\$308,680	\$68,218,323
2016	75	\$54,924	\$4,119,280	82	\$81,314	\$6,667,756	55	\$68,365	\$3,760,096	212	\$68,619	\$14,547,133

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year. Note that these counts are for individuals, not permits.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Prince William Sound Salmon Purse Seine (S01E)

Table 15. Gross Real Earnings for the Prince William Sound Salmon Purse Seine Fishery by ADF&G Salmon District, 1975 to 2016

Year	District 212		District 221		District 222		District 223		District 224		District 226		District 227		District 228		District 229		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	0	\$0	125	\$3,600,787	48	\$941,930	72	\$1,594,401	71	\$2,122,841	101	\$8,130,745	16	\$549,597	90	\$4,331,827	0	\$0	219	\$21,272,128
1976	0	\$0	224	\$11,345,585	118	\$3,993,571	116	\$2,663,023	50	\$1,951,453	118	\$5,338,337	0	\$0	42	\$684,118	0	\$0	259	\$25,976,086
1977	0	\$0	217	\$15,191,808	82	\$2,336,073	90	\$2,723,809	64	\$2,246,393	108	\$7,718,541	21	\$480,432	95	\$6,145,107	0	\$0	232	\$36,842,163
1978	0	\$0	191	\$11,104,503	117	\$5,726,835	38	\$586,419	0	\$0	0	\$0	0	\$0	54	\$1,075,661	0	\$0	203	\$18,493,419
1979	0	\$0	232	\$28,250,005	30	\$929,682	64	\$409,656	15	\$700,497	128	\$27,949,412	76	\$7,187,510	142	\$23,170,026	0	\$0	244	\$88,596,787
1980	0	\$0	186	\$15,091,746	120	\$6,451,987	**	**	40	\$1,386,064	140	\$29,683,667	1-3	--	121	\$5,317,976	0	\$0	239	\$58,536,282
1981	0	\$0	242	\$34,298,563	156	\$12,017,118	25	\$485,190	8	\$376,827	196	\$52,430,474	25	\$1,309,958	112	\$17,638,467	0	\$0	267	\$118,556,597
1982	**	**	157	\$11,114,418	92	\$5,880,449	45	\$3,475,212	34	\$2,155,936	161	\$23,008,635	1-3	--	48	\$1,640,839	0	\$0	258	\$47,365,243
1983	0	\$0	191	\$7,195,180	163	\$3,033,598	12	\$133,922	82	\$2,098,047	212	\$11,780,400	21	\$301,283	138	\$4,608,966	0	\$0	266	\$29,151,395
1984	0	\$0	172	\$12,176,446	92	\$6,136,852	5	\$51,264	61	\$3,938,110	174	\$25,199,245	6	\$28,981	62	\$3,060,526	0	\$0	262	\$50,591,425
1985	1-3	--	241	\$16,634,357	108	\$2,954,921	72	\$446,240	**	**	191	\$21,804,645	54	\$2,690,927	97	\$5,441,790	0	\$0	265	\$51,598,287
1986	0	\$0	228	\$8,994,031	128	\$2,997,045	94	\$719,617	115	\$960,210	190	\$11,451,543	0	\$0	40	\$441,954	0	\$0	248	\$25,564,399
1987	0	\$0	254	\$28,912,353	176	\$11,260,273	132	\$4,116,723	86	\$3,377,690	238	\$44,490,758	**	**	78	\$3,259,598	1-3	--	257	\$95,835,560
1988	0	\$0	241	\$17,886,589	167	\$6,042,150	117	\$10,613,006	16	\$325,811	203	\$34,185,691	0	\$0	9	\$56,533	0	\$0	255	\$69,109,780
1989	0	\$0	225	\$11,217,399	229	\$19,005,577	185	\$10,267,244	28	\$559,166	0	\$0	0	\$0	28	\$209,660	0	\$0	241	\$41,259,046
1990	0	\$0	259	\$15,904,933	219	\$10,861,015	89	\$1,718,515	43	\$1,700,189	248	\$33,288,844	1-3	--	1-3	--	0	\$0	265	\$63,517,338
1991	0	\$0	222	\$1,836,877	140	\$2,529,718	108	\$1,369,429	0	\$0	225	\$11,324,448	0	\$0	0	\$0	16	\$81,373	253	\$17,141,845
1992	0	\$0	68	\$572,015	93	\$1,438,895	59	\$563,674	0	\$0	174	\$4,177,981	0	\$0	0	\$0	10	\$16,758	207	\$6,769,322
1993	0	\$0	0	\$0	45	\$312,627	72	\$340,340	0	\$0	133	\$2,178,894	0	\$0	0	\$0	6	\$3,141	144	\$2,835,002
1994	1-3	--	133	\$9,969,566	151	\$6,316,169	122	\$3,726,059	0	\$0	138	\$3,527,110	0	\$0	0	\$0	**	**	171	\$23,891,354
1995	0	\$0	165	\$5,371,392	167	\$3,846,268	118	\$1,137,116	0	\$0	181	\$1,949,665	**	**	1-3	--	0	\$0	187	\$12,335,297
1996	0	\$0	78	\$3,402,956	76	\$1,925,533	64	\$579,909	0	\$0	60	\$2,028,952	0	\$0	0	\$0	0	\$0	90	\$7,937,349
1997	0	\$0	97	\$5,640,492	84	\$2,379,478	71	\$1,516,931	1-3	--	85	\$4,424,898	32	\$720,348	**	**	0	\$0	114	\$14,717,341
1998	0	\$0	124	\$2,290,165	124	\$4,186,579	88	\$2,300,583	0	\$0	123	\$6,496,829	58	\$1,126,528	27	\$288,823	0	\$0	148	\$16,689,507
1999	0	\$0	127	\$9,137,955	97	\$2,876,843	62	\$4,096,001	0	\$0	100	\$5,459,862	57	\$2,068,399	**	**	1-3	--	138	\$24,407,826
2000	0	\$0	128	\$8,158,430	94	\$2,818,572	70	\$2,339,341	**	**	100	\$7,959,704	54	\$3,174,606	32	\$593,825	1-3	--	130	\$25,092,110
2001	0	\$0	143	\$10,703,779	36	\$337,825	66	\$450,183	0	\$0	112	\$3,178,797	98	\$2,257,052	28	\$503,271	0	\$0	147	\$17,430,907
2002	0	\$0	85	\$243,858	47	\$289,857	91	\$1,880,728	0	\$0	94	\$2,602,701	68	\$1,815,667	**	**	1-3	--	120	\$6,892,790
2003	0	\$0	95	\$5,977,288	72	\$2,830,702	84	\$8,662,697	0	\$0	47	\$3,196,231	55	\$937,145	**	**	1-3	--	105	\$21,808,451
2004	0	\$0	97	\$5,089,795	7	\$23,870	54	\$712,550	0	\$0	68	\$790,424	48	\$659,948	28	\$217,910	0	\$0	104	\$7,494,498
2005	0	\$0	98	\$11,423,628	74	\$4,173,328	58	\$2,042,705	0	\$0	56	\$4,863,416	49	\$935,769	18	\$355,610	12	\$34,352	101	\$23,828,808
2006	0	\$0	106	\$5,631,186	72	\$1,147,874	87	\$2,125,875	0	\$0	66	\$2,825,498	51	\$1,779,643	16	\$77,300	0	\$0	111	\$13,587,375
2007	0	\$0	115	\$16,591,349	63	\$4,517,667	51	\$3,084,380	0	\$0	82	\$13,483,638	60	\$2,529,005	**	**	1-3	--	120	\$41,619,543
2008	0	\$0	129	\$15,313,993	91	\$12,453,526	75	\$9,973,175	0	\$0	88	\$14,032,411	81	\$6,246,883	0	\$0	0	\$0	141	\$58,019,986
2009	0	\$0	19	\$111,539	91	\$1,886,423	56	\$969,696	0	\$0	144	\$8,604,475	10	\$58,824	1-3	--	1-3	--	154	\$11,691,788
2010	0	\$0	163	\$22,566,784	141	\$25,253,124	95	\$16,294,672	0	\$0	145	\$26,346,443	1-3	--	6	\$26,874	**	**	174	\$90,488,992
2011	0	\$0	180	\$20,096,455	138	\$4,206,456	72	\$2,564,053	40	\$397,075	157	\$10,942,579	56	\$1,159,060	73	\$851,575	0	\$0	183	\$40,217,254
2012	0	\$0	216	\$23,876,985	171	\$7,139,402	136	\$5,844,506	11	\$140,810	190	\$12,725,269	**	**	67	\$674,065	1-3	--	224	\$50,752,179
2013	0	\$0	208	\$32,824,749	178	\$19,339,045	129	\$7,978,884	**	**	188	\$38,954,514	10	\$493,303	71	\$3,390,900	1-3	--	210	\$103,144,683
2014	0	\$0	217	\$20,066,258	168	\$5,301,640	65	\$1,005,266	10	\$112,107	191	\$10,036,849	114	\$3,895,762	**	**	1-3	--	222	\$40,508,001
2015	0	\$0	215	\$32,680,285	181	\$9,907,393	108	\$4,377,197	0	\$0	177	\$18,058,210	36	\$1,171,039	107	\$2,009,796	8	\$14,404	216	\$68,218,323
2016	0	\$0	209	\$11,323,791	61	\$653,428	29	\$361,342	36	\$302,401	137	\$1,845,667	0	\$0	**	**	1-3	--	210	\$14,547,133

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.
- When fewer than four permits make landings, earnings in another column are masked (**) due to reasons of confidentiality.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Prince William Sound Salmon Drift Gillnet Fishery

S03E Permit Holdings

Limited entry permits for the Prince William Sound salmon Drift Gillnet fishery (S03E permits) were issued starting in 1975. Table 16 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 537 S03E permits. Of this total, Alaska Locals received 65.9% (354/537) of the permits, Nonlocal Alaskans received 8.8% (47/537) of the permits, and the remaining 25.3% (136/537) of the permits went to Nonresidents. All of the S03E permits were issued as transferable permits.

Table 16. Initial Issuance and Year-end 2016 Totals of Prince William Sound Salmon Drift Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2016 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Total</i>	<i>Percentage</i>
Local	354	65.9%	-55	-15.5%	-68	-19.2%	0	0.0%	231	43.0%
Nonlocal	47	8.8%	127	270.2%	5	10.6%	0	0.0%	179	33.3%
Nonresident	136	25.3%	-72	-52.9%	63	46.3%	0	0.0%	127	23.6%
Total	537	100.0%	0	0.0%	0	0.0%	0	0.0%	537	100.0%

The number of permits held by each resident type can change for three reasons: permits can be transferred to other resident types (transfer); permit holders can move from one location to another (migration); or permits can be cancelled, such as when a permit holder does not pay the renewal fee for two consecutive years. Cancellations often occur when a non-transferable permit holder decides to no longer renew his or her permit when they retire from fishing. This table indicates the extent to which these factors have contributed to net changes in permit holdings in this fishery. Transfers have had the largest impact on the changes.

Transfers of S03E Permits

Under the Limited Entry Act's terms of free transferability, permits may be sold, traded, given away, or inherited. CFEC requires the completion of a survey with each transfer.⁵ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 17. Transfer Acquisition Methods for Prince William Sound Salmon Drift Gillnet Permits, 1980-2016

Acquisition Method	S03E Permit		PWS Combined Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	350	22.8%	684	27.1%	3,559	32.0%	13,386	36.3%
<i>Sale</i>	1,120	73.0%	1,726	68.3%	7,011	63.1%	21,761	59.0%
<i>Trade</i>	18	1.2%	32	1.3%	119	1.1%	511	1.4%
<i>Other</i>	47	3.1%	85	3.4%	428	3.8%	1,215	3.3%
Total	1,535		2,527		11,117		36,873	

Table 17 compares and contrasts the transfer acquisition methods for the S03E permits, all three Prince William Sound salmon permit types combined, all statewide salmon drift gillnet permits combined, and all limited entry permits between 1980 and 2016. Almost three in four S03E transfers were sales (73.0% or 1,120/1,535), about one fourth were gifts (22.8% or 350/1,535), and a smaller percentage were trades (1.2% or 18/1,535) or other (3.1% 47/1,535). The annual acquisition methods for S03E permits have not changed substantially throughout the time period.⁶

Table 18. Relationships of Transferor to Transfer Recipients for Prince William Sound Salmon Drift Gillnet Permits, 1980-2016

Relationship	S03E Permit		PWS Combined Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	263	17.1%	436	17.3%	1,836	16.5%	6,801	18.4%
<i>Member of Immediate Family</i>	374	24.4%	717	28.4%	3,473	31.2%	12,468	33.8%
<i>Other Relative</i>	53	3.5%	97	3.8%	470	4.2%	1,707	4.6%
<i>Other</i>	845	55.0%	1,277	50.5%	5,338	48.0%	15,897	43.1%
Total	1,535		2,527		11,117		36,873	

Table 18 shows the relationships between the transferors and transfer recipients for S03E permits, and compares and contrasts S01E permit transfers with all three Prince William Sound salmon permit types combined, all statewide salmon drift gillnet permits combined, and all limited entry permits from 1980 to 2016. Transfers within the family, both between immediate family members and other relatives, total 27.8% (427/1,535) of all permit transfers for S03E permits compared to 32.2% (814/2,527) for all three Prince William Sound salmon permit types combined, 35.5% (3,943/11,117) for all salmon drift gillnet statewide, and 38.4% (14,175/36,873) for all limited entry permits statewide.

⁵ CFEC implemented the transfer survey in 1980.

⁶ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2016*, CFEC Report No. 17-1N.

S03E Permit Value

Many permit transfers are non-monetary transactions (see Table 17). Table 19 considers solely the arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 19. CFEC Estimated Value of Prince William Sound Salmon Drift Gillnet Permits

Year	S03E Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	51	\$46,337	-	\$115,246	-
1983	39	\$61,760	-	\$148,824	-
1984	35	\$53,544	-	\$123,686	-
1985	54	\$55,991	-	\$124,891	-
1986	46	\$61,606	-	\$134,908	-
1987	45	\$62,365	-	\$131,761	-
1988	51	\$75,884	-	\$153,953	-
1989	14	\$141,115	-	\$273,134	-
1990	29	\$159,797	-	\$293,438	-
1991	23	\$127,300	\$20,900	\$224,324	\$36,829
1992	25	\$98,100	\$17,350	\$167,817	\$29,680
1993	14	\$99,300	\$8,450	\$164,932	\$14,035
1994	19	\$65,800	\$12,700	\$106,562	\$20,567
1995	32	\$69,000	\$14,900	\$108,665	\$23,465
1996	27	\$60,600	\$9,450	\$92,699	\$14,455
1997	23	\$67,900	\$7,950	\$101,536	\$11,888
1998	27	\$69,300	\$7,500	\$102,040	\$11,043
1999	24	\$55,200	\$7,600	\$79,522	\$10,949
2000	26	\$59,300	\$4,400	\$82,650	\$6,133
2001	19	\$57,500	\$3,600	\$77,924	\$4,879
2002	15	\$41,000	\$5,900	\$54,699	\$7,871
2003	21	\$35,900	\$2,450	\$46,827	\$3,196
2004	27	\$40,400	\$3,250	\$51,330	\$4,129
2005	24	\$48,300	\$4,750	\$59,357	\$5,837
2006	28	\$51,600	\$3,500	\$61,430	\$4,167
2007	26	\$52,000	\$2,350	\$60,192	\$2,720
2008	33	\$90,300	\$12,050	\$100,661	\$13,433
2009	25	\$110,900	\$7,750	\$124,066	\$8,670
2010	45	\$128,100	\$21,300	\$140,995	\$23,444
2011	32	\$162,100	\$9,250	\$172,959	\$9,870
2012	26	\$180,200	\$7,000	\$188,373	\$7,317
2013	20	\$195,200	\$8,500	\$201,107	\$8,757
2014	19	\$224,100	\$13,550	\$227,196	\$13,737
2015	14	\$224,200	\$7,900	\$227,028	\$8,000
2016	16	\$155,400	\$21,000	\$155,400	\$21,000

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Emergency Transfers of S03E Permits

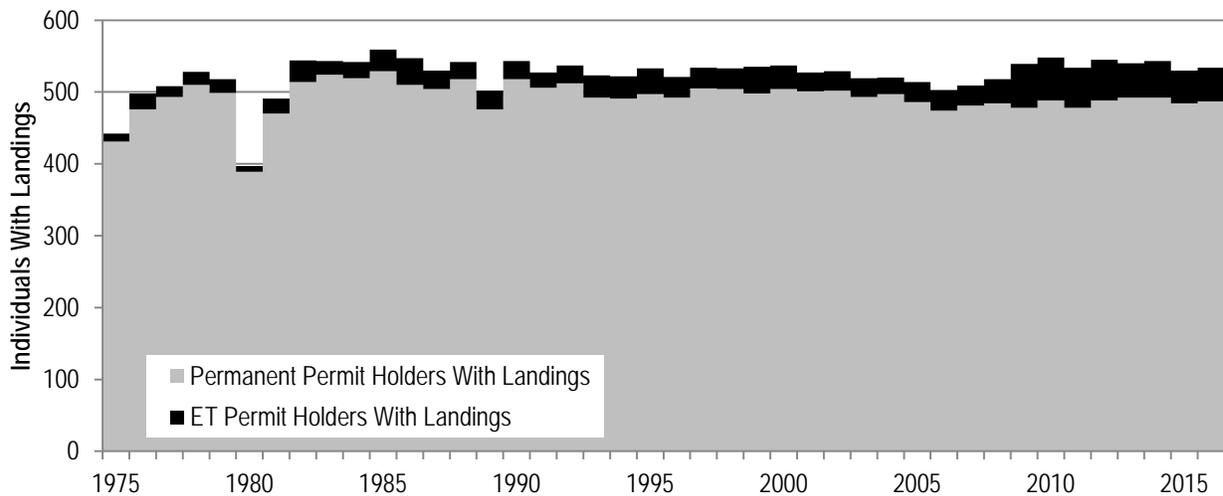
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, and unforeseen nature prevents the permanent permit holder from participating in the fishery. “Hardship” does not include the results of a permit holder’s own economic decisions, or the results of economic, biological or regulatory variables which are normally part of the risk of doing business as a fisherman. At the end of the year, ET permits automatically revert back to the permanent permit holder.

Table 20 and Figure 5 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 20. Use of Emergency Transfer Permits in the Prince William Sound Drift Gillnet Fishery, 1975-2016

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	442	11	2.5%	1989	502	26	5.2%	2003	519	26	5.0%
1976	498	22	4.4%	1990	543	25	4.6%	2004	520	23	4.4%
1977	508	15	3.0%	1991	527	21	4.0%	2005	514	28	5.4%
1978	528	18	3.4%	1992	537	25	4.7%	2006	503	29	5.8%
1979	518	19	3.7%	1993	523	31	5.9%	2007	509	28	5.5%
1980	397	8	2.0%	1994	522	31	5.9%	2008	518	34	6.6%
1981	491	21	4.3%	1995	533	36	6.8%	2009	539	61	11.3%
1982	544	30	5.5%	1996	521	29	5.6%	2010	548	60	10.9%
1983	543	19	3.5%	1997	534	29	5.4%	2011	534	56	10.5%
1984	542	23	4.2%	1998	533	29	5.4%	2012	545	57	10.5%
1985	559	30	5.4%	1999	535	37	6.9%	2013	540	48	8.9%
1986	547	37	6.8%	2000	537	33	6.1%	2014	543	51	9.4%
1987	530	26	4.9%	2001	527	26	4.9%	2015	530	46	8.7%
1988	542	24	4.4%	2002	529	27	5.1%	2016	534	47	8.8%

Figure 5. Use of Emergency Transfer Permits in the Prince William Sound Salmon Drift Gillnet Fishery, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Latent S03E Permits

CFEC regulations require individuals to renew their limited entry permits annually, regardless of whether they actually fish. Permits that are not used (don't record landings) in a given year are referred to herein as "latent" permits for that year.

Table 21 indicates the total number of viable S03E permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 6.

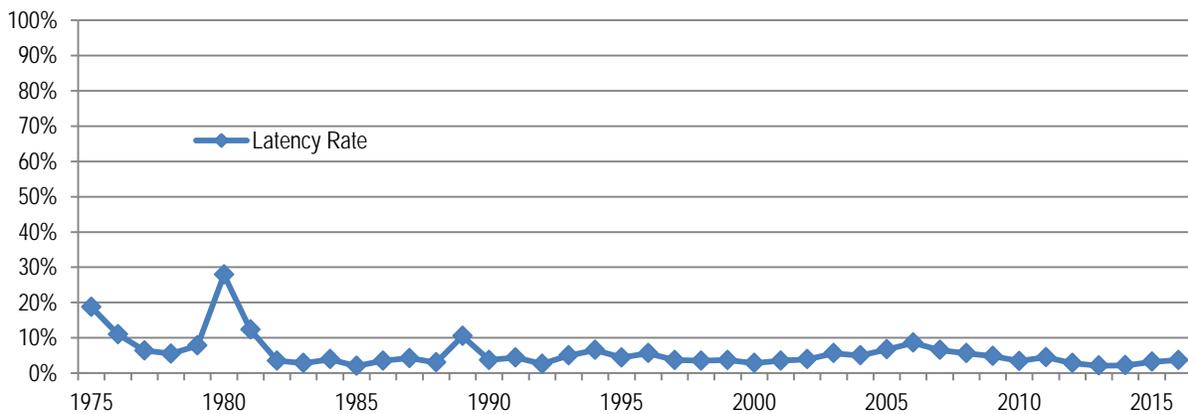
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 21. Prince William Sound Salmon Drift Gillnet Permit Latency, 1975-2016

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	535	435	18.7%	1989	542	485	10.5%	2003	540	510	5.6%
1976	534	475	11.0%	1990	541	521	3.7%	2004	540	513	5.0%
1977	532	498	6.4%	1991	541	517	4.4%	2005	538	502	6.7%
1978	544	514	5.5%	1992	541	527	2.6%	2006	538	492	8.6%
1979	549	506	7.8%	1993	541	514	5.0%	2007	537	502	6.5%
1980	545	393	27.9%	1994	541	506	6.5%	2008	537	507	5.6%
1981	546	479	12.3%	1995	542	518	4.4%	2009	537	511	4.8%
1982	543	524	3.5%	1996	539	509	5.6%	2010	537	519	3.4%
1983	543	528	2.8%	1997	540	520	3.7%	2011	537	513	4.5%
1984	543	522	3.9%	1998	541	522	3.5%	2012	537	522	2.8%
1985	544	533	2.0%	1999	541	521	3.7%	2013	536	525	2.1%
1986	544	525	3.5%	2000	541	526	2.8%	2014	536	524	2.2%
1987	542	519	4.2%	2001	541	522	3.5%	2015	537	520	3.2%
1988	541	525	3.0%	2002	540	519	3.9%	2016	537	517	3.7%

- When an individual with an interim-entry permit is issued a permanent permit in the same year, only the permanent permit is counted in the above table.

Figure 6. Prince William Sound Salmon Drift Gillnet Permit Latency, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

New Entrants into the Prince William Sound Salmon Drift Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S03E permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

Table 22 and Figure 7 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S03E permit one year, and then in subsequent years hold a different S03E permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

Table 22. New Entrants into the Prince William Sound Salmon Drift Gillnet Fishery, 1975-2016

Year	Individuals w/Landings	New	New Percent
1975	395	26	6.6%
1976	485	72	14.8%
1977	503	56	11.1%
1978	516	63	12.2%
1979	501	58	11.6%
1980	386	33	8.5%
1981	477	59	12.4%
1982	531	74	13.9%
1983	533	60	11.3%
1984	534	48	9.0%
1985	547	68	12.4%

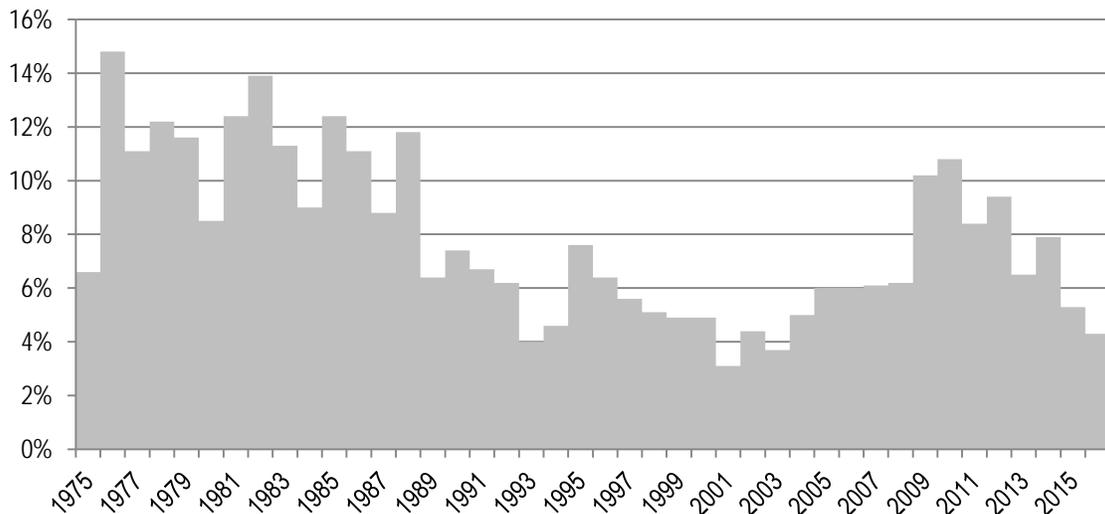
Year	Individuals w/Landings	New	New Percent
1986	539	60	11.1%
1987	525	46	8.8%
1988	536	63	11.8%
1989	497	32	6.4%
1990	539	40	7.4%
1991	523	35	6.7%
1992	533	33	6.2%
1993	519	21	4.0%
1994	518	24	4.6%
1995	528	40	7.6%
1996	518	33	6.4%

Year	Individuals w/Landings	New	New Percent
1997	531	30	5.6%
1998	529	27	5.1%
1999	531	26	4.9%
2000	533	26	4.9%
2001	523	16	3.1%
2002	526	23	4.4%
2003	516	19	3.7%
2004	517	26	5.0%
2005	513	31	6.0%
2006	502	30	6.0%
2007	509	31	6.1%

Year	Individuals w/Landings	New	New Percent
2008	518	32	6.2%
2009	539	55	10.2%
2010	548	59	10.8%
2011	534	45	8.4%
2012	545	51	9.4%
2013	540	35	6.5%
2014	543	43	7.9%
2015	530	28	5.3%
2016	534	23	4.3%

- New Entrants excludes individuals with interim-entry and emergency transfer permits.

Figure 7. New Entrants into the Prince William Sound Salmon Drift Gillnet Fishery, 1975-2016



Age of S03E Permit Holders

Table 23. Median Age of Select CFEC Permit Holders and the General Alaskan Population

Year	Combined S03E	Statewide PWS Salmon	Statewide Salmon Drift Gillnet	Statewide All Permits	AK Median Age
1975	37.0	39.9	44.0	42.9	24.3
1976	36.6	38.3	43.0	41.3	24.7
1977	36.0	38.4	42.0	40.5	25.1
1978	36.6	38.2	41.6	40.1	25.4
1979	37.1	38.1	41.7	40.1	25.8
1980	37.1	38.5	41.6	39.6	26.0
1981	37.1	38.3	41.2	39.5	26.4
1982	36.3	38.0	40.5	39.5	26.8
1983	36.9	38.0	40.4	39.6	27.1
1984	37.3	38.6	40.7	39.9	27.3
1985	37.7	38.9	40.9	40.1	27.5
1986	38.3	39.1	40.7	40.1	27.8
1987	38.9	39.4	41.1	40.4	28.2
1988	39.3	40.0	41.3	40.6	28.6
1989	39.8	40.6	41.5	41.0	29.0
1990	39.8	40.8	42.0	41.4	29.3
1991	40.1	41.1	42.3	41.9	29.7
1992	41.6	42.5	42.8	42.4	30.1
1993	42.4	42.9	43.1	43.0	30.5
1994	43.1	43.7	43.7	43.5	30.8
1995	43.1	44.0	43.9	43.9	31.1
1996	43.4	44.5	44.3	44.5	31.5
1997	44.3	45.2	45.0	45.0	31.8
1998	44.6	45.9	45.4	45.6	32.1
1999	44.7	46.1	45.9	46.1	32.3
2000	45.0	45.9	46.5	46.6	32.4
2001	46.0	46.9	47.1	47.0	32.7
2002	46.8	47.6	47.9	47.7	33.0
2003	47.3	48.2	48.4	48.4	33.2
2004	47.9	49.0	48.8	48.8	33.4
2005	48.6	49.6	49.0	49.3	33.6
2006	49.3	50.2	49.5	49.7	33.8
2007	49.5	50.4	49.5	50.1	33.9
2008	50.2	50.5	49.9	50.5	33.9
2009	50.9	51.2	50.2	51.1	33.9
2010	50.5	50.9	50.4	51.4	33.8
2011	50.2	50.9	50.6	51.8	33.9
2012	50.2	51.2	50.9	52.1	34.1
2013	50.3	51.4	50.8	52.4	34.3
2014	50.2	51.2	51.0	52.7	34.3
2015	50.4	51.2	51.2	53.3	34.5
2016	50.0	51.2	51.4	53.8	34.7

• AK Median age data is from the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Table 23 shows the annual median age of five different cohorts of people: 1) Prince William Sound salmon Drift Gillnet (S03E) permit holders; 2) all three (S01E, S03E, and S04E) Prince William Sound salmon permit holders; 3) all salmon drift gillnet permit holders statewide; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S03E permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.4 years between 1975 and 2016, which represents a 42.7% increase. The percent change in ages over the same period for all CFEC permit holders increased by 25.2% (10.8 years), 16.9% (7.4 years) for all salmon drift gillnet permit holders statewide, and 28.3% (11.3 years) for the combined Prince William Sound salmon permit holders.

For S03E permit holders, the median age increased 35.1% (13.0 years).

Prince William Sound Salmon Drift Gillnet Vessel Characteristics

Table 24 reports on various vessel characteristics of the Prince William Sound salmon purse seine fleet since 1978. Reported are the age, length, net tonnage, horsepower, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category reports the count of vessels with described characteristics. Statistics reported include the 25th percentile, median, and 75th percentile.

Table 24. Prince William Sound Salmon Drift Gillnet Vessel Characteristics

Year	Vessel Count	Age				Length				Gross Tons				Net Tons				Horsepower				Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	552	505	1	4	10	518	24	26	28	260	3	6	10	296	3	5	8	510	165	214	260	237	36	72	200
1979	529	477	2	5	9	483	24	26	28	249	3	7	10	301	3	5	8	467	165	225	283	230	40	75	200
1980	395	367	2	4	8	367	24	26	28	211	5	7	10	254	4	5	8	349	180	228	320	175	40	75	200
1981	483	454	3	5	9	454	24	26	28	275	5	7	11	322	5	6	8	435	170	228	320	221	42	75	170
1982	552	511	4	5	9	515	24	26	29	323	5	8	11	386	5	6	8	484	173	240	330	261	48	80	200
1983	557	524	4	6	9	527	25	26	30	355	6	8	12	416	5	6	8	514	188	255	330	286	48	94	200
1984	643	552	5	6	10	556	25	27	30	382	6	8	12	435	5	6	9	547	188	255	330	303	60	100	288
1985	732	615	6	7	11	617	26	27	30	435	6	8	12	485	5	6	9	611	200	260	330	367	60	100	250
1986	653	592	5	8	11	590	26	27	30	427	6	8	11	466	5	6	8	584	210	260	330	359	60	100	226
1987	745	590	6	9	11	590	26	27	30	430	6	8	12	471	5	6	8	583	200	260	340	373	60	100	250
1988	749	617	6	10	12	621	26	27	30	445	7	9	12	481	5	6	8	611	200	260	340	383	65	100	250
1989	762	614	5	10	12	614	26	27	30	444	7	9	12	469	5	6	9	602	200	270	340	379	72	120	250
1990	1,047	749	3	10	13	750	26	28	31	529	7	9	13	547	5	6	10	733	200	280	350	423	75	120	300
1991	903	676	3	9	13	675	26	28	31	476	7	9	13	494	5	7	10	671	200	306	350	391	75	120	250
1992	642	597	4	10	14	597	26	28	30	443	7	9	12	454	5	6	9	593	205	320	350	366	80	120	220
1993	610	563	4	11	15	563	26	28	30	420	7	9	12	430	5	6	9	554	210	330	350	354	80	120	220
1994	601	551	5	12	16	550	26	28	30	407	7	9	11	423	5	6	8	542	215	330	350	347	80	120	220
1995	544	544	6	13	17	543	26	28	30	405	7	9	11	423	5	6	8	537	225	330	350	345	80	120	200
1996	536	535	7	13	18	535	26	28	30	392	7	9	11	413	5	6	8	527	230	330	350	320	80	120	200
1997	560	557	8	13	19	558	26	28	30	408	7	9	11	427	5	6	8	550	230	330	350	320	80	121	200
1998	556	555	9	13	19	556	27	28	30	406	7	9	11	422	5	6	8	549	230	330	360	305	80	125	220
1999	560	557	10	13	20	558	27	28	30	399	7	9	11	415	5	6	9	549	230	330	365	298	85	133	240
2000	547	544	11	14	21	546	27	28	30	406	7	9	11	421	5	6	8	539	230	330	375	305	85	135	240
2001	534	531	11	15	22	533	27	28	30	396	7	9	11	410	5	6	9	525	230	330	380	296	83	131	240
2002	534	531	12	16	23	533	27	28	31	400	7	9	11	414	5	7	9	526	250	330	385	298	85	133	250
2003	520	517	13	16	24	519	27	28	31	382	7	9	11	398	5	6	8	513	250	330	400	285	89	132	240
2004	517	515	14	17	24	517	27	29	31	385	7	9	11	398	5	6	9	512	255	330	400	285	90	140	250
2005	512	510	15	18	25	512	27	29	31	380	7	9	11	390	5	6	8	505	260	330	400	272	85	135	235
2006	497	495	16	19	26	497	27	29	31	373	7	9	11	384	5	6	8	492	260	339	400	282	90	140	240
2007	508	506	17	19	26	508	27	29	31	380	7	9	11	390	5	6	8	499	300	340	410	279	90	140	250
2008	538	536	17	20	26	538	27	29	31	398	7	9	12	411	5	7	9	524	300	340	450	293	96	149	256
2009	527	525	18	21	27	527	27	30	31	398	7	9	12	408	5	7	9	511	300	350	480	293	96	150	300
2010	533	532	17	21	27	533	27	30	32	400	7	9	12	406	5	6	9	514	308	363	520	293	95	150	280
2011	527	527	15	22	28	527	28	30	32	391	7	9	11	393	5	6	8	504	315	380	555	277	90	150	250
2012	541	541	11	23	27	541	28	30	32	398	7	9	11	396	5	6	8	516	315	390	600	278	96	150	250
2013	539	538	6	23	27	538	28	30	32	397	7	9	11	392	5	7	8	514	320	398	630	275	100	150	250
2014	619	615	6	24	28	615	28	31	32	463	7	9	12	450	5	7	9	582	330	410	640	316	100	173	304
2015	564	561	4	24	28	561	29	31	32	420	7	9	12	409	5	7	9	531	330	450	660	288	100	162	290
2016	531	531	5	23	28	531	29	31	32	392	7	9	12	384	5	7	9	499	330	460	660	264	109	168	264
Total	3,799					2,550	26	30	32	1,737	7	10	15	1,777	5	8	12	2,461	170	265	400	1,272	84	200	450

Prince William Sound Salmon Drift Gillnet (S03E)

Table 25 provides additional Prince William Sound salmon Drift Gillnet vessel characteristics. Included are statistics of engine power type and hull material for each year since 1978.

Table 25. Additional Prince William Sound Salmon Drift Gillnet Vessel Characteristics

Year	Vessel Count	Engine Power					Hull Material										
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Concrete	Steel	Wood							
1978	552	517	114	22.1%	403	77.9%	516	4	0.8%	331	64.1%	0	0.0%	3	0.6%	178	34.5%
1979	529	481	108	22.5%	373	77.5%	481	2	0.4%	337	70.1%	0	0.0%	1	0.2%	141	29.3%
1980	395	369	79	21.4%	290	78.6%	368	1	0.3%	289	78.5%	0	0.0%	0	0.0%	78	21.2%
1981	483	456	108	23.7%	348	76.3%	454	3	0.7%	355	78.2%	0	0.0%	0	0.0%	96	21.1%
1982	552	515	128	24.9%	387	75.1%	515	5	1.0%	417	81.0%	0	0.0%	0	0.0%	93	18.1%
1983	557	527	129	24.5%	398	75.5%	525	6	1.1%	449	85.5%	0	0.0%	0	0.0%	70	13.3%
1984	643	555	157	28.3%	398	71.7%	554	14	2.5%	461	83.2%	1	0.2%	3	0.5%	75	13.5%
1985	732	617	172	27.9%	445	72.1%	616	22	3.6%	519	84.3%	0	0.0%	4	0.6%	71	11.5%
1986	653	588	160	27.2%	428	72.8%	588	29	4.9%	506	86.1%	0	0.0%	1	0.2%	52	8.8%
1987	745	588	173	29.4%	415	70.6%	586	37	6.3%	495	84.5%	1	0.2%	5	0.9%	48	8.2%
1988	749	619	188	30.4%	431	69.6%	616	48	7.8%	517	83.9%	0	0.0%	6	1.0%	45	7.3%
1989	762	609	222	36.5%	387	63.5%	608	79	13.0%	488	80.3%	1	0.2%	7	1.2%	33	5.4%
1990	1,047	743	281	37.8%	462	62.2%	742	144	19.4%	550	74.1%	2	0.3%	16	2.2%	30	4.0%
1991	903	674	271	40.2%	403	59.8%	670	129	19.3%	505	75.4%	0	0.0%	13	1.9%	23	3.4%
1992	642	597	246	41.2%	351	58.8%	593	94	15.9%	482	81.3%	0	0.0%	3	0.5%	14	2.4%
1993	610	559	232	41.5%	327	58.5%	559	90	16.1%	456	81.6%	0	0.0%	4	0.7%	9	1.6%
1994	601	548	219	40.0%	329	60.0%	547	88	16.1%	448	81.9%	0	0.0%	2	0.4%	9	1.6%
1995	544	540	232	43.0%	308	57.0%	541	90	16.6%	441	81.5%	0	0.0%	0	0.0%	10	1.8%
1996	536	531	231	43.5%	300	56.5%	532	99	18.6%	422	79.3%	0	0.0%	1	0.2%	10	1.9%
1997	560	554	245	44.2%	309	55.8%	555	117	21.1%	430	77.5%	0	0.0%	0	0.0%	8	1.4%
1998	556	552	246	44.6%	306	55.4%	553	121	21.9%	427	77.2%	0	0.0%	1	0.2%	4	0.7%
1999	560	553	254	45.9%	299	54.1%	555	131	23.6%	417	75.1%	0	0.0%	2	0.4%	5	0.9%
2000	547	542	259	47.8%	283	52.2%	543	132	24.3%	407	75.0%	0	0.0%	0	0.0%	4	0.7%
2001	534	529	249	47.1%	280	52.9%	530	131	24.7%	396	74.7%	0	0.0%	0	0.0%	3	0.6%
2002	534	531	252	47.5%	279	52.5%	531	135	25.4%	390	73.4%	0	0.0%	1	0.2%	5	0.9%
2003	520	517	242	46.8%	275	53.2%	518	139	26.8%	377	72.8%	0	0.0%	0	0.0%	2	0.4%
2004	517	515	238	46.2%	277	53.8%	515	148	28.7%	365	70.9%	0	0.0%	0	0.0%	2	0.4%
2005	512	510	232	45.5%	278	54.5%	509	150	29.5%	356	69.9%	0	0.0%	0	0.0%	3	0.6%
2006	497	496	218	44.0%	278	56.0%	495	147	29.7%	346	69.9%	0	0.0%	0	0.0%	2	0.4%
2007	508	506	219	43.3%	287	56.7%	506	150	29.6%	353	69.8%	0	0.0%	0	0.0%	3	0.6%
2008	538	537	239	44.5%	298	55.5%	536	171	31.9%	360	67.2%	0	0.0%	1	0.2%	4	0.7%
2009	527	526	233	44.3%	293	55.7%	526	167	31.7%	356	67.7%	0	0.0%	1	0.2%	2	0.4%
2010	533	531	232	43.7%	299	56.3%	532	179	33.6%	350	65.8%	0	0.0%	1	0.2%	2	0.4%
2011	527	524	215	41.0%	309	59.0%	526	185	35.2%	340	64.6%	0	0.0%	0	0.0%	1	0.2%
2012	541	535	239	44.7%	296	55.3%	540	208	38.5%	331	61.3%	0	0.0%	0	0.0%	1	0.2%
2013	539	532	251	47.2%	281	52.8%	537	226	42.1%	310	57.7%	0	0.0%	0	0.0%	1	0.2%
2014	619	609	312	51.2%	297	48.8%	614	258	42.0%	346	56.4%	0	0.0%	7	1.1%	3	0.5%
2015	564	558	278	49.8%	280	50.2%	561	265	47.2%	296	52.8%	0	0.0%	0	0.0%	0	0.0%
2016	531	528	266	50.4%	262	49.6%	531	258	48.6%	273	51.4%	0	0.0%	0	0.0%	0	0.0%
Total	3,799	2,532	1,223	48.3%	1,309	51.7%	2,542	645	25.4%	1,490	58.6%	4	0.2%	69	2.7%	334	13.1%

Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 8 are for both nominal and real dollars using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

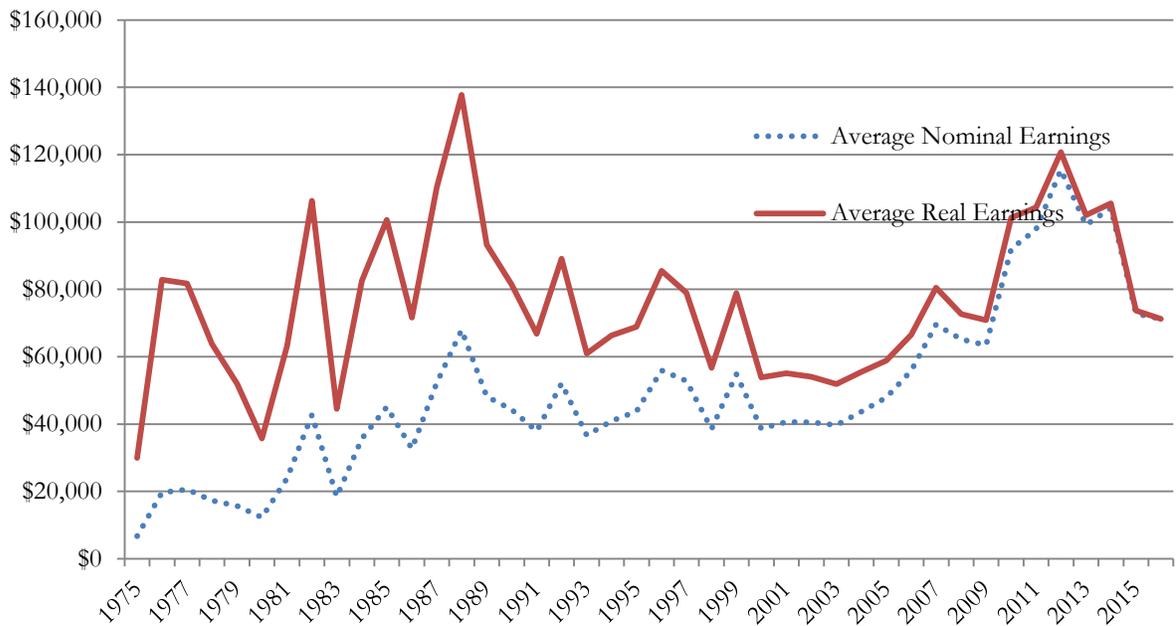
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 2006. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

Table 26 reports the number of permits, permit issued, and vessels with landings, and estimated gross earnings in the Prince William Sound salmon Drift Gillnet fishery from 1975 to 2016. Note that the figures by permit or vessel in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

Table 27 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 28 breaks out participation and real earnings by ADF&G salmon district. Note that some permits are used to record landings in more than one district.

Figure 8. Estimated Nominal and Real Average Gross Earnings Per Prince William Sound Salmon Drift Gillnet Permit



- Real earnings are adjusted for inflation using the 2016 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 26. Estimated Total Gross Earnings (Real and Nominal) for the Prince William Sound Salmon Drift Gillnet Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2016

Year	Viable Permits	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	535	\$2,922,434	\$13,037,260	435	\$29,971	438	\$29,765
1976	534	\$9,332,823	\$39,366,309	475	\$82,876	477	\$82,529
1977	532	\$10,277,264	\$40,703,222	498	\$81,733	534	\$76,223
1978	544	\$8,909,837	\$32,797,902	514	\$63,809	552	\$59,416
1979	549	\$7,950,772	\$26,284,310	506	\$51,945	529	\$49,687
1980	545	\$4,817,935	\$14,033,230	393	\$35,708	395	\$35,527
1981	546	\$11,468,052	\$30,279,569	479	\$63,214	483	\$62,691
1982	543	\$22,388,631	\$55,683,193	524	\$106,266	552	\$100,875
1983	543	\$9,746,248	\$23,485,620	528	\$44,480	557	\$42,164
1984	543	\$18,663,272	\$43,111,798	522	\$82,590	643	\$67,048
1985	544	\$24,051,015	\$53,646,952	533	\$100,651	732	\$73,288
1986	544	\$17,181,009	\$37,623,746	525	\$71,664	653	\$57,617
1987	542	\$27,100,640	\$57,256,544	519	\$110,321	745	\$76,854
1988	541	\$35,656,356	\$72,339,603	525	\$137,790	749	\$96,582
1989	542	\$23,375,424	\$45,244,077	485	\$93,287	762	\$59,375
1990	541	\$23,105,657	\$42,429,376	521	\$81,438	1,047	\$40,525
1991	541	\$19,592,906	\$34,525,952	517	\$66,781	903	\$38,235
1992	541	\$27,458,043	\$46,971,650	527	\$89,130	642	\$73,165
1993	541	\$18,863,565	\$31,331,402	514	\$60,956	610	\$51,363
1994	541	\$20,723,746	\$33,561,700	506	\$66,327	601	\$55,843
1995	542	\$22,648,223	\$35,667,533	518	\$68,856	544	\$65,565
1996	539	\$28,460,838	\$43,536,012	509	\$85,532	536	\$81,224
1997	540	\$27,462,172	\$41,066,129	520	\$78,973	560	\$73,332
1998	541	\$20,115,875	\$29,619,329	522	\$56,742	556	\$53,272
1999	541	\$28,544,014	\$41,121,028	521	\$78,927	560	\$73,430
2000	541	\$20,325,656	\$28,329,267	526	\$53,858	547	\$51,790
2001	541	\$21,236,239	\$28,779,481	522	\$55,133	534	\$53,894
2002	540	\$21,026,589	\$28,051,854	519	\$54,050	534	\$52,532
2003	540	\$20,269,755	\$26,439,582	510	\$51,842	520	\$50,845
2004	540	\$22,408,577	\$28,471,229	513	\$55,499	517	\$55,070
2005	538	\$24,066,702	\$29,575,919	502	\$58,916	512	\$57,765
2006	538	\$27,497,718	\$32,736,334	492	\$66,537	497	\$65,868
2007	537	\$34,903,708	\$40,402,496	502	\$80,483	508	\$79,532
2008	537	\$33,038,463	\$36,829,316	507	\$72,642	538	\$68,456
2009	537	\$32,395,561	\$36,241,587	511	\$70,923	527	\$68,770
2010	537	\$47,761,081	\$52,569,036	519	\$101,289	533	\$98,629
2011	537	\$50,157,831	\$53,517,756	513	\$104,323	527	\$101,552
2012	537	\$60,292,130	\$63,026,618	522	\$120,741	541	\$116,500
2013	536	\$52,020,760	\$53,595,069	525	\$102,086	539	\$99,434
2014	536	\$54,568,021	\$55,321,992	524	\$105,576	619	\$89,373
2015	537	\$37,828,620	\$38,305,833	520	\$73,665	564	\$67,918
2016	537	\$36,830,335	\$36,830,335	517	\$71,239	531	\$69,360

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 27. Estimated Real Gross Earnings for Permit Holders in the Prince William Sound Salmon Drift Gillnet Fishery by Resident Type, 1975-2016

Year	Local Gross Earnings			Nonlocal Gross Earnings			Nonresident Gross Earnings			Total Gross Earnings		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	307	\$28,673	\$8,802,549	24	\$22,265	\$534,353	111	\$33,337	\$3,700,358	442	\$29,496	\$13,037,260
1976	355	\$74,285	\$26,371,036	34	\$56,637	\$1,925,655	109	\$101,556	\$11,069,618	498	\$79,049	\$39,366,309
1977	349	\$73,343	\$25,596,714	35	\$81,419	\$2,849,655	124	\$98,846	\$12,256,853	508	\$80,124	\$40,703,222
1978	339	\$61,552	\$20,865,995	47	\$56,872	\$2,672,964	142	\$65,204	\$9,258,942	528	\$62,117	\$32,797,902
1979	316	\$44,834	\$14,167,537	58	\$67,693	\$3,926,195	144	\$56,879	\$8,190,578	518	\$50,742	\$26,284,310
1980	249	\$32,174	\$8,011,211	50	\$43,504	\$2,175,198	98	\$39,253	\$3,846,821	397	\$35,348	\$14,033,230
1981	296	\$53,021	\$15,694,255	57	\$85,992	\$4,901,535	138	\$70,172	\$9,683,779	491	\$61,669	\$30,279,569
1982	314	\$92,759	\$29,126,273	73	\$113,013	\$8,249,932	157	\$116,605	\$18,306,989	544	\$102,359	\$55,683,193
1983	315	\$43,017	\$13,550,286	87	\$36,003	\$3,132,219	141	\$48,249	\$6,803,115	543	\$43,252	\$23,485,620
1984	306	\$77,731	\$23,785,646	93	\$76,839	\$7,146,040	143	\$85,176	\$12,180,113	542	\$79,542	\$43,111,798
1985	305	\$95,575	\$29,150,467	112	\$88,806	\$9,946,258	142	\$102,466	\$14,550,227	559	\$95,970	\$53,646,952
1986	283	\$71,143	\$20,133,538	110	\$62,446	\$6,869,079	154	\$68,968	\$10,621,129	547	\$68,782	\$37,623,746
1987	272	\$107,227	\$29,165,712	112	\$106,053	\$11,877,979	146	\$111,047	\$16,212,852	530	\$108,031	\$57,256,544
1988	266	\$131,733	\$35,041,060	126	\$132,494	\$16,694,257	150	\$137,362	\$20,604,287	542	\$133,468	\$72,339,603
1989	232	\$94,616	\$21,950,917	131	\$76,019	\$9,958,545	139	\$95,932	\$13,334,615	502	\$90,128	\$45,244,077
1990	276	\$79,253	\$21,873,947	125	\$75,563	\$9,445,340	142	\$78,240	\$11,110,089	543	\$78,139	\$42,429,376
1991	275	\$67,831	\$18,653,414	118	\$61,860	\$7,299,424	134	\$63,978	\$8,573,114	527	\$65,514	\$34,525,952
1992	280	\$92,452	\$25,886,675	124	\$80,980	\$10,041,459	133	\$83,034	\$11,043,516	537	\$87,470	\$46,971,650
1993	279	\$63,870	\$17,819,653	114	\$53,143	\$6,058,268	130	\$57,334	\$7,453,481	523	\$59,907	\$31,331,402
1994	276	\$68,328	\$18,858,634	112	\$60,464	\$6,771,956	134	\$59,187	\$7,931,110	522	\$64,294	\$33,561,700
1995	264	\$69,835	\$18,436,327	128	\$64,685	\$8,279,699	141	\$63,486	\$8,951,508	533	\$66,918	\$35,667,533
1996	261	\$85,759	\$22,383,120	122	\$83,539	\$10,191,712	138	\$79,429	\$10,961,179	521	\$83,562	\$43,536,012
1997	269	\$79,234	\$21,313,849	128	\$77,216	\$9,883,637	137	\$72,034	\$9,868,643	534	\$76,903	\$41,066,129
1998	261	\$57,855	\$15,100,267	135	\$53,952	\$7,283,484	137	\$52,814	\$7,235,579	533	\$55,571	\$29,619,329
1999	262	\$78,467	\$20,558,457	135	\$77,079	\$10,405,622	138	\$73,601	\$10,156,949	535	\$76,862	\$41,121,028
2000	262	\$51,935	\$13,606,941	143	\$58,758	\$8,402,450	132	\$47,878	\$6,319,876	537	\$52,755	\$28,329,267
2001	252	\$55,102	\$13,885,585	144	\$59,721	\$8,599,895	131	\$48,046	\$6,294,001	527	\$54,610	\$28,779,481
2002	244	\$53,313	\$13,008,461	151	\$56,909	\$8,593,206	134	\$48,136	\$6,450,188	529	\$53,028	\$28,051,854
2003	252	\$50,150	\$12,637,890	138	\$55,686	\$7,684,686	129	\$47,419	\$6,117,006	519	\$50,943	\$26,439,582
2004	248	\$56,510	\$14,014,385	144	\$53,969	\$7,771,550	128	\$52,229	\$6,685,294	520	\$54,752	\$28,471,229
2005	252	\$56,687	\$14,285,089	137	\$62,430	\$8,552,880	125	\$53,904	\$6,737,950	514	\$57,541	\$29,575,919
2006	250	\$63,566	\$15,891,565	136	\$71,668	\$9,746,891	117	\$60,666	\$7,097,877	503	\$65,082	\$32,736,334
2007	254	\$76,097	\$19,328,609	138	\$91,733	\$12,659,198	117	\$71,920	\$8,414,689	509	\$79,376	\$40,402,496
2008	250	\$67,439	\$16,859,775	154	\$81,131	\$12,494,129	114	\$65,574	\$7,475,412	518	\$71,099	\$36,829,316
2009	246	\$63,785	\$15,691,159	161	\$77,268	\$12,440,228	132	\$61,441	\$8,110,201	539	\$67,239	\$36,241,587
2010	250	\$84,323	\$21,080,788	183	\$113,381	\$20,748,768	115	\$93,387	\$10,739,480	548	\$95,929	\$52,569,036
2011	246	\$96,382	\$23,709,856	180	\$104,640	\$18,835,126	108	\$101,600	\$10,972,775	534	\$100,221	\$53,517,756
2012	252	\$107,963	\$27,206,595	173	\$127,422	\$22,043,932	120	\$114,801	\$13,776,090	545	\$115,645	\$63,026,618
2013	242	\$95,269	\$23,055,161	187	\$107,004	\$20,009,710	111	\$94,867	\$10,530,198	540	\$99,250	\$53,595,069
2014	247	\$97,885	\$24,177,528	183	\$112,993	\$20,677,778	113	\$92,626	\$10,466,686	543	\$101,882	\$55,321,992
2015	235	\$65,262	\$15,336,453	186	\$82,530	\$15,350,564	109	\$69,897	\$7,618,816	530	\$72,275	\$38,305,833
2016	232	\$64,269	\$14,910,459	189	\$77,092	\$14,570,424	113	\$65,039	\$7,349,452	534	\$68,971	\$36,830,335

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- Note that these counts are for individuals, not permits.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Prince William Sound Salmon Drift Gillnet (S03E)

Table 28. Gross Real Earnings for the Prince William Sound Salmon Drift Gillnet Fishery by ADF&G Salmon District, 1975 to 2016

Year	District 200		District 212		District 221		District 222		District 223		District 224		District 227		District 228		District 229		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	88	\$942,199	400	\$7,875,966	1 - 3	--	**	**	282	\$3,882,034	56	\$82,774	0	\$0	0	\$0	0	\$0	435	\$13,037,260
1976	126	\$2,185,011	447	\$31,961,798	0	\$0	16	\$274,665	300	\$4,944,834	0	\$0	0	\$0	0	\$0	0	\$0	475	\$39,366,309
1977	93	\$1,857,473	488	\$27,223,308	1 - 3	--	**	**	291	\$10,144,494	0	\$0	0	\$0	0	\$0	0	\$0	498	\$40,703,222
1978	154	\$4,333,153	493	\$19,144,304	0	\$0	34	\$341,346	433	\$8,979,099	0	\$0	0	\$0	0	\$0	0	\$0	514	\$32,797,902
1979	222	\$8,806,966	481	\$11,926,514	0	\$0	48	\$348,681	360	\$5,202,149	0	\$0	0	\$0	0	\$0	0	\$0	506	\$26,284,310
1980	**	**	359	\$7,553,192	0	\$0	1 - 3	--	138	\$3,471,579	0	\$0	0	\$0	0	\$0	0	\$0	393	\$14,033,230
1981	155	\$3,352,099	470	\$20,179,166	0	\$0	9	\$94,638	202	\$6,653,666	0	\$0	0	\$0	0	\$0	0	\$0	479	\$30,279,569
1982	159	\$4,954,012	512	\$30,814,129	5	\$15,694	31	\$834,009	393	\$19,063,388	1 - 3	--	0	\$0	1 - 3	--	0	\$0	524	\$55,683,193
1983	193	\$4,451,900	514	\$15,855,294	1 - 3	--	**	**	379	\$2,636,074	0	\$0	0	\$0	0	\$0	0	\$0	528	\$23,485,620
1984	292	\$7,151,305	509	\$27,738,941	0	\$0	52	\$618,296	345	\$6,503,335	4	\$3,161	0	\$0	0	\$0	0	\$0	522	\$43,111,798
1985	250	\$9,183,909	524	\$33,898,427	1 - 3	--	**	**	408	\$9,878,500	0	\$0	0	\$0	0	\$0	0	\$0	533	\$53,646,952
1986	225	\$2,588,020	516	\$24,302,585	0	\$0	**	**	411	\$10,151,205	1 - 3	--	0	\$0	0	\$0	0	\$0	525	\$37,623,746
1987	108	\$766,616	514	\$39,588,980	1 - 3	--	0	\$0	408	\$16,633,967	1 - 3	--	0	\$0	1 - 3	--	20	\$181,614	519	\$57,256,544
1988	158	\$3,719,335	520	\$39,824,103	1 - 3	--	0	\$0	440	\$20,084,487	0	\$0	0	\$0	0	\$0	**	**	525	\$72,339,603
1989	40	\$571,556	473	\$36,582,462	0	\$0	0	\$0	352	\$7,283,782	0	\$0	0	\$0	0	\$0	98	\$806,277	485	\$45,244,077
1990	109	\$915,732	514	\$27,819,253	0	\$0	0	\$0	401	\$9,613,819	0	\$0	0	\$0	0	\$0	5	\$26,093	521	\$42,429,376
1991	96	\$1,663,420	512	\$25,027,188	0	\$0	0	\$0	209	\$1,378,289	0	\$0	0	\$0	0	\$0	27	\$78,454	517	\$34,525,952
1992	182	\$2,471,822	524	\$30,617,273	0	\$0	0	\$0	345	\$4,551,253	0	\$0	0	\$0	0	\$0	16	\$56,589	527	\$46,971,650
1993	153	\$1,624,079	508	\$21,920,379	0	\$0	0	\$0	369	\$6,309,707	0	\$0	0	\$0	0	\$0	33	\$200,822	514	\$31,331,402
1994	181	\$3,472,482	502	\$24,691,545	0	\$0	0	\$0	332	\$4,440,870	0	\$0	0	\$0	0	\$0	17	\$8,055	506	\$33,561,700
1995	195	\$2,555,524	513	\$29,015,737	0	\$0	0	\$0	277	\$3,475,797	0	\$0	0	\$0	0	\$0	12	\$33,869	518	\$35,667,533
1996	140	\$1,220,007	505	\$35,467,417	0	\$0	0	\$0	254	\$4,403,198	0	\$0	0	\$0	0	\$0	9	\$89,088	509	\$43,536,012
1997	16	\$89,795	516	\$30,546,495	0	\$0	0	\$0	317	\$5,720,181	0	\$0	0	\$0	0	\$0	4	\$36,722	520	\$41,066,129
1998	86	\$230,243	517	\$24,726,375	0	\$0	0	\$0	307	\$3,002,526	0	\$0	0	\$0	0	\$0	34	\$204,952	522	\$29,619,329
1999	66	\$285,831	517	\$35,481,764	0	\$0	0	\$0	238	\$3,745,538	0	\$0	0	\$0	0	\$0	15	\$138,097	521	\$41,121,028
2000	69	\$408,133	519	\$16,665,110	0	\$0	0	\$0	453	\$7,923,492	0	\$0	0	\$0	0	\$0	4	\$16,327	526	\$28,329,267
2001	15	\$72,969	503	\$18,054,081	0	\$0	0	\$0	287	\$5,534,939	0	\$0	0	\$0	0	\$0	9	\$27,235	522	\$28,779,481
2002	79	\$472,555	506	\$18,190,984	0	\$0	0	\$0	344	\$3,339,698	0	\$0	0	\$0	0	\$0	36	\$97,206	519	\$28,051,854
2003	120	\$505,392	504	\$17,796,717	0	\$0	0	\$0	223	\$2,630,308	0	\$0	0	\$0	0	\$0	5	\$20,159	510	\$26,439,582
2004	118	\$952,469	503	\$20,972,797	0	\$0	0	\$0	242	\$3,847,029	0	\$0	0	\$0	0	\$0	12	\$92,380	513	\$28,471,229
2005	137	\$1,311,506	495	\$22,861,637	0	\$0	0	\$0	203	\$4,060,905	0	\$0	0	\$0	0	\$0	23	\$298,474	502	\$29,575,919
2006	117	\$1,008,033	488	\$24,127,896	0	\$0	0	\$0	190	\$3,054,988	0	\$0	0	\$0	0	\$0	10	\$8,921	492	\$32,736,334
2007	63	\$283,337	492	\$27,557,268	0	\$0	0	\$0	270	\$5,590,477	0	\$0	0	\$0	0	\$0	19	\$196,582	502	\$40,402,496
2008	60	\$628,490	492	\$11,067,016	0	\$0	0	\$0	413	\$16,584,277	0	\$0	0	\$0	0	\$0	5	\$8,256	507	\$36,829,316
2009	83	\$690,923	486	\$16,030,077	0	\$0	0	\$0	377	\$7,943,107	0	\$0	202	\$3,385,618	0	\$0	10	\$31,350	511	\$36,241,587
2010	**	**	495	\$11,995,289	0	\$0	0	\$0	428	\$21,491,969	0	\$0	113	\$1,714,558	0	\$0	1 - 3	--	519	\$52,569,036
2011	33	\$204,000	485	\$30,383,251	0	\$0	0	\$0	357	\$11,460,771	0	\$0	44	\$807,122	0	\$0	4	\$15,992	513	\$53,517,756
2012	48	\$534,119	510	\$27,739,078	0	\$0	0	\$0	359	\$19,050,781	0	\$0	54	\$1,862,814	0	\$0	5	\$19,437	522	\$63,026,618
2013	**	**	514	\$29,677,473	0	\$0	0	\$0	388	\$14,707,263	0	\$0	151	\$2,299,095	0	\$0	1 - 3	--	525	\$53,595,069
2014	83	\$893,214	517	\$36,362,211	0	\$0	0	\$0	284	\$7,621,948	0	\$0	0	\$0	0	\$0	4	\$7,287	524	\$55,321,992
2015	34	\$109,871	511	\$23,427,518	0	\$0	0	\$0	268	\$4,144,940	0	\$0	109	\$780,309	0	\$0	6	\$30,516	520	\$38,305,833
2016	148	\$1,233,546	509	\$21,674,110	0	\$0	0	\$0	269	\$6,922,532	0	\$0	133	\$885,156	0	\$0	4	\$5,599	517	\$36,830,335

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings in another column are masked (**) due to reasons of confidentiality.
- Some permits are used to record landings in more than one district.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Prince William Sound Salmon Set Gillnet Fishery

S04E Permit Holdings

Limited entry permits for the Prince William Sound salmon set gillnet fishery (S04E permits) were issued starting in 1975. Table 29 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 30 S04E permits. Of this total, Alaska Locals received 70.0% (21/30) of the permits, Nonlocal Alaskans received 6.7% (2/30) and Nonresidents received 23.3% (7/30) of the permits. Only one of the 30 initially issued permits is non-transferable.

Table 29. Initial Issuance and Year-end 2016 Totals of Prince William Sound Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2016 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percentage
Local	21	70.0%	-13	-61.9%	-4	-19.0%	0	0.0%	4	13.8%
Nonlocal	2	6.7%	14	700.0%	2	100.0%	-1	-50.0%	17	58.6%
Nonresident	7	23.3%	-1	-14.3%	2	28.6%	0	0.0%	8	27.6%
Total	30	100.0%	0	0.0%	0	0.0%	-1	-3.3%	29	100.0%

The number of permits held by each resident type can change for three reasons: permits can be transferred to other resident types (transfer); permit holders can move from one location to another (migration); or permits can be cancelled (such as when a permit holder does not pay the renewal fee for two consecutive years). This table indicates the extent to which these factors have contributed to net changes in permit holdings in this fishery. Transfers have had the largest impact on the changes. By the end of 2016, one permit had been cancelled due to nonpayment of permit renewal fees.

Transfers of S04E Permits

Under the Limited Entry Act's terms of free transferability, permits may be sold, traded, given away, or inherited. CFEC requires the completion of a survey with each transfer.⁷ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 30. Transfer Acquisition Methods for Prince William Sound Salmon Set Gillnet Permits, 1980-2016

Acquisition Method	S04E Permit		PWS Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	46	38.0%	684	27.1%	6,667	56.1%	13,386	36.3%
<i>Sale</i>	69	57.0%	1,726	68.3%	4,646	39.1%	21,761	59.0%
<i>Trade</i>	1	0.8%	32	1.3%	96	0.8%	511	1.4%
<i>Other</i>	5	4.1%	85	3.4%	465	3.9%	1,215	3.3%
Total	121		2,527		11,874		36,873	

Table 30 compares and contrasts the transfer acquisition methods for S04E permits, all three Prince William Sound salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2016. The majority of S04E permit transfers were sales (57.0% or 69/121), then gifts (38.0% or 46/121), and a smaller percentage were trades (0.8% or 1/121) or other (4.1% or 5/121). The annual acquisition methods for S04E permits have not changed substantially throughout the time period.⁸

Table 31. Relationships of Transferor to Transfer Recipients for Prince William Sound Salmon Set Gillnet Permit, 1980-2016

Relationship	S04E Permit		PWS Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	25	20.7%	436	17.3%	2,255	19.0%	6,801	18.4%
<i>Member of Immediate Family</i>	48	39.7%	717	28.4%	5,767	48.6%	12,468	33.8%
<i>Other Relative</i>	5	4.1%	97	3.8%	849	7.2%	1,707	4.6%
<i>Other</i>	43	35.5%	1,277	50.5%	3,003	25.3%	15,897	43.1%
Total	121		2,527		11,874		36,873	

Table 31 shows the relationships between the transferors and transfer recipients for S04E permits, and compares and contrasts S04E permit transfers with all three Prince William Sound salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2016. Permit transfers between immediate family members and other relatives total 43.8% (53/121) of all transfers of S04E permits, compared to 32.2% (814/2,527) for all three Prince William Sound salmon permit types combined, 55.7% (6,616/11,874) for statewide salmon set gillnet permits, and 38.4% (14,175/36,873) for all limited entry permits statewide.

⁷ CFEC implemented the transfer survey in 1980.

⁸ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2016*, CFEC Report No. 17-1N.

S04E Permit Value

Many permit transfers are non-monetary transactions (see Table 30). Table 32 considers solely the arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 32. CFEC Estimated Value of Prince William Sound Salmon Set Gillnet Permits

Year	S04E Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	5	\$19,400	-	\$48,250	-
1983	6	\$24,167	-	\$58,235	-
1984	4	\$31,250	-	\$72,187	-
1985	4	\$32,375	-	\$72,214	-
1986	1	-	-	-	-
1987	4	\$29,625	-	\$62,590	-
1988	2	\$49,833	-	\$101,101	-
1989	1	\$64,167	-	\$124,198	-
1990	1	\$86,667	-	\$159,148	-
1991	1	\$90,000	\$11,550	\$158,595	\$20,353
1992	1	\$95,000	\$10,000	\$162,514	\$17,107
1993	0	\$95,000	\$10,000	\$157,790	\$16,609
1994	2	\$75,000	\$33,150	\$121,461	\$53,686
1995	3	\$63,000	\$19,850	\$99,215	\$31,261
1996	2	\$59,000	\$18,850	\$90,251	\$28,834
1997	1	\$50,000	\$11,550	\$74,769	\$17,272
1998	2	\$51,000	\$10,250	\$75,094	\$15,092
1999	0	\$51,000	\$10,250	\$73,472	\$14,766
2000	4	\$60,500	\$7,450	\$84,323	\$10,384
2001	3	\$60,300	\$4,550	\$81,719	\$6,166
2002	2	\$59,200	\$6,700	\$78,980	\$8,939
2003	1	\$59,900	\$6,050	\$78,133	\$7,892
2004	3	\$62,800	\$2,050	\$79,791	\$2,605
2005	1	\$62,700	\$2,050	\$77,053	\$2,519
2006	1	\$61,500	\$1,700	\$73,216	\$2,024
2007	0	\$61,500	\$1,700	\$71,189	\$1,968
2008	1	\$59,500	\$3,250	\$66,327	\$3,623
2009	1	\$59,500	\$3,250	\$66,564	\$3,636
2010	1	\$59,800	\$3,700	\$65,820	\$4,072
2011	0	\$59,800	\$3,700	\$63,806	\$3,948
2012	1	\$61,000	\$4,550	\$63,767	\$4,756
2013	2	\$119,300	\$69,450	\$122,910	\$71,552
2014	1	\$190,800	\$121,350	\$193,436	\$123,027
2015	0	\$190,800	\$121,350	\$193,207	\$122,881
2016	0	\$190,800	\$121,350	\$190,800	\$121,350

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Emergency Transfers of S04E Permits

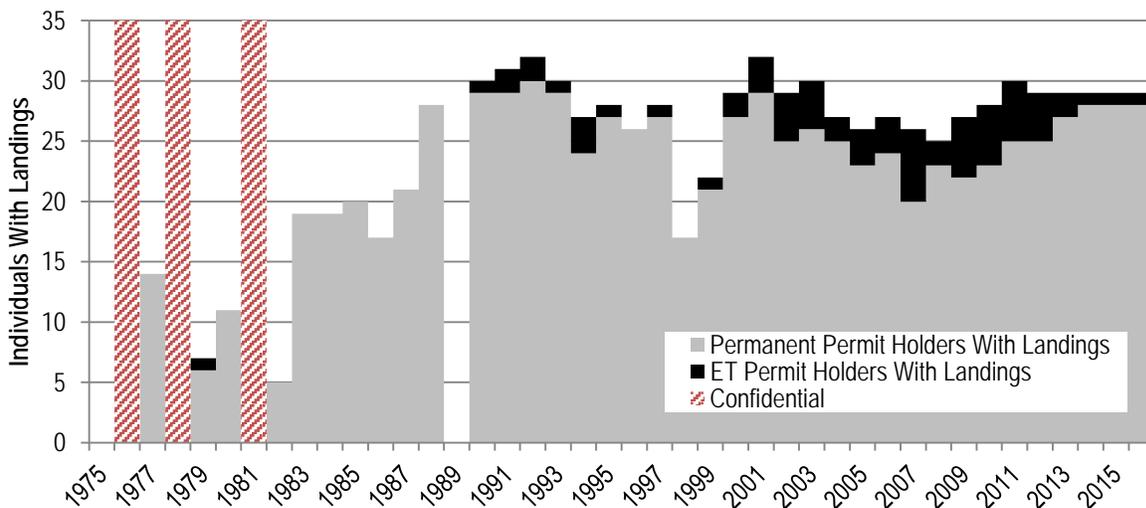
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, and unforeseen nature prevents the permanent permit holder from participating in the fishery. “Hardship” does not include the results of a permit holder’s own economic decisions, or the results of economic, biological or regulatory variables which are normally part of the risk of doing business as a fisherman. At the end of the year, ET permits automatically revert back to the permanent permit holder.

Table 33 and Figure 9 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 33. Use of Emergency Transfer Permits in the Prince William Sound Salmon Set Gillnet Fishery, 1975-2016

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	0	0	-
1976	1 - 3	0	0.0%
1977	14	0	0.0%
1978	1 - 3	0	0.0%
1979	7	1	14.3%
1980	11	0	0.0%
1981	1 - 3	0	0.0%
1982	5	0	0.0%
1983	19	0	0.0%
1984	19	0	0.0%
1985	20	0	0.0%
1986	17	0	0.0%
1987	21	0	0.0%
1988	28	0	0.0%
1989	0	0	-
1990	30	1	3.3%
1991	31	2	6.5%
1992	32	2	6.3%
1993	30	1	3.3%
1994	27	3	11.1%
1995	28	1	3.6%
1996	26	0	0.0%
1997	28	1	3.6%
1998	17	0	0.0%
1999	22	1	4.5%
2000	29	2	6.9%
2001	32	3	9.4%
2002	29	4	13.8%
2003	30	4	13.3%
2004	27	2	7.4%
2005	26	3	11.5%
2006	27	3	11.1%
2007	26	6	23.1%
2008	25	2	8.0%
2009	27	5	18.5%
2010	28	5	17.9%
2011	30	5	16.7%
2012	29	4	13.8%
2013	29	2	6.9%
2014	29	1	3.4%
2015	29	1	3.4%
2016	29	1	3.4%

Figure 9. Use of Emergency Transfer Permits in the Prince William Sound Salmon Set Gillnet Fishery, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

DNR Shore Fishery Leases in the Prince William Sound Salmon Set Gillnet Fishery

The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by S04E permit holders. A shore fishery lease grants permit holders the first right of priority to fish a tract of tidelands, but is not a requirement to commercially fish. In Prince William Sound, the DNR shore fishery lease program allows a permit holder to operate up to three nets with an aggregate of no more than 150 fathoms of length.⁹ Additional information regarding DNR shore fishery leases can be found in CFEC publication 17-2N.¹⁰ Please see Appendix A for a snapshot of DNR shore fishery sites in Prince William Sound.

The total count of S04E permits, and S04E permits with a DNR shore fishery lease as of December 31 each year, is reported in Table 34.

Table 34. Prince William Sound Salmon Set Gillnet Permits With a DNR Shore Fishery Lease by Year

Year	S04E Permits			Year	S04E Permits		
	Total Count	With DNR Lease Count	Percent		Total Count	With DNR Lease Count	Percent
1975	27	14	51.9%	1996	30	22	73.3%
1976	28	15	53.6%	1997	30	24	80.0%
1977	29	15	51.7%	1998	30	24	80.0%
1978	28	14	50.0%	1999	30	23	76.7%
1979	30	15	50.0%	2000	30	23	76.7%
1980	30	16	53.3%	2001	30	22	73.3%
1981	31	18	58.1%	2002	30	23	76.7%
1982	30	19	63.3%	2003	30	24	80.0%
1983	30	19	63.3%	2004	30	23	76.7%
1984	30	19	63.3%	2005	30	22	73.3%
1985	30	19	63.3%	2006	29	21	72.4%
1986	30	17	56.7%	2007	30	22	73.3%
1987	30	18	60.0%	2008	29	22	75.9%
1988	30	21	70.0%	2009	29	21	72.4%
1989	30	25	83.3%	2010	29	22	75.9%
1990	30	23	76.7%	2011	29	24	82.8%
1991	30	24	80.0%	2012	29	24	82.8%
1992	30	24	80.0%	2013	29	24	82.8%
1993	30	26	86.7%	2014	29	24	82.8%
1994	30	26	86.7%	2015	29	24	82.8%
1995	30	25	83.3%	2016	29	24	82.8%

⁹ See 5 AAC 24.331(b) (1) (A) and 5 AAC 24.331(b) (1) (D).

¹⁰ See *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2016*. CFEC Report No. 17-2N.

Latent S04E Permits

CFEC regulations require individuals to renew their limited entry permits annually, regardless of whether they actually fish. Permits that are not used (don't record landings) in a given year are referred to herein as "latent" permits for that year.

Table 35 indicates the total number of viable S04E permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted.

Several complications make it difficult to accurately count the number of latent permits; therefore, the figures should be viewed with caution.

First, some permits could be active in the fishery but might not be used to record landings. This can occur when permit holders fish in a group, especially among family or friends, and the group records their landings on only one, or some, of the group's permits. Although this practice is not legal,¹¹ it allegedly occurs in the set gillnet fisheries at a rate higher than in other fisheries. The effect would be to under-count the number of permits active in the fishery, and over-estimate the latency rate.

Secondly, individuals who hold a DNR Shore Fishery Lease are generally required by regulation to fish at least four openings in years when they hold a lease.¹² The 'Landings and/or DNR lease' column counts permits associated with either a DNR Shore Fishery Lease or a commercial landing.

There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency. The actual annual rate of latency is likely lies between the rates given in this table.

Table 35. Prince William Sound Salmon Set Gillnet Permit Latency, 1975-2016

Year	Total Fishery Permits	Permits With Landings		Landings and/or DNR Lease	
		Count	Latency	Count	Latency
1975	26	0	100.0%	14	46.2%
1976	28	1 to 3	**	16	42.9%
1977	29	14	51.7%	22	24.1%
1978	28	1 to 3	**	16	42.9%
1979	30	7	76.7%	18	40.0%
1980	30	11	63.3%	20	33.3%
1981	31	1 to 3	**	20	35.5%
1982	30	5	83.3%	22	26.7%
1983	30	17	43.3%	24	20.0%
1984	30	19	36.7%	24	20.0%
1985	30	20	33.3%	26	13.3%
1986	30	17	43.3%	22	26.7%
1987	30	21	30.0%	27	10.0%
1988	30	28	6.7%	29	3.3%
1989	30	0	100.0%	25	16.7%
1990	30	29	3.3%	29	3.3%
1991	30	29	3.3%	30	0.0%
1992	30	30	0.0%	30	0.0%
1993	30	30	0.0%	30	0.0%
1994	30	26	13.3%	30	0.0%
1995	30	27	10.0%	30	0.0%
1996	30	26	13.3%	29	3.3%
1997	30	27	10.0%	29	3.3%
1998	30	17	43.3%	28	6.7%
1999	30	22	26.7%	29	3.3%
2000	30	29	3.3%	30	0.0%
2001	30	30	0.0%	30	0.0%
2002	30	28	6.7%	30	0.0%
2003	30	28	6.7%	29	3.3%
2004	30	27	10.0%	30	0.0%
2005	30	26	13.3%	29	3.3%
2006	29	26	10.3%	27	6.9%
2007	30	25	16.7%	27	10.0%
2008	29	25	13.8%	26	10.3%
2009	29	27	6.9%	28	3.4%
2010	29	28	3.4%	29	0.0%
2011	29	29	0.0%	29	0.0%
2012	29	29	0.0%	29	0.0%
2013	29	28	3.4%	28	3.4%
2014	29	29	0.0%	29	0.0%
2015	29	29	0.0%	29	0.0%
2016	29	29	0.0%	29	0.0%

- When an individual with an interim-entry permit is issued a permanent permit in the same year, only the permanent permit is counted.
- 'Permits with Landings' is the number of CFEC permits that were used to record commercial landings in that year.
- 'Permit Landings and/or DNR Lease' is the number of CFEC permits that were used to record a landing, were associated with a DNR shore fishery lease, or both.

¹¹ See AS 16.05.680 (b) and AS 16.05.690 (b).

¹² See 11 AAC 64.180.

New Entrants into the Prince William Sound Salmon Set Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S04E permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

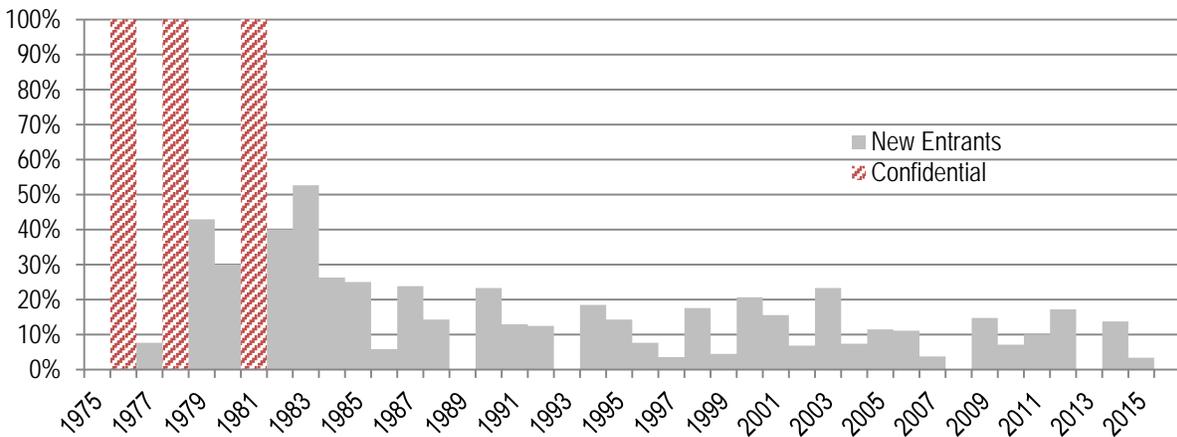
Table 36 and Figure 10 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S04E permit one year, and then in subsequent years hold a different S04E permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

Table 36. New Entrants into the Prince William Sound Salmon Set Gillnet Fishery, 1975-2016

Year	Individuals w/Landings	New	Percent	Year	Individuals w/Landings	New	Percent	Year	Individuals w/Landings	New	Percent	Year	Individuals w/Landings	New	Percent
1975	0	0	-	1986	17	1	5.9%	1997	28	1	3.6%	2008	25	0	0.0%
1976	1 - 3	1 - 3	**	1987	21	5	23.8%	1998	17	3	17.6%	2009	27	4	14.8%
1977	13	1	7.7%	1988	28	4	14.3%	1999	22	1	4.5%	2010	28	2	7.1%
1978	1 - 3	1 - 3	**	1989	0	0	-	2000	29	6	20.7%	2011	30	3	10.0%
1979	7	3	42.9%	1990	30	7	23.3%	2001	32	5	15.6%	2012	29	5	17.2%
1980	10	3	30.0%	1991	31	4	12.9%	2002	29	2	6.9%	2013	29	0	0.0%
1981	1 - 3	1 - 3	**	1992	32	4	12.5%	2003	30	7	23.3%	2014	29	4	13.8%
1982	5	2	40.0%	1993	30	0	0.0%	2004	27	2	7.4%	2015	29	1	3.4%
1983	19	10	52.6%	1994	27	5	18.5%	2005	26	3	11.5%	2016	29	0	0.0%
1984	19	5	26.3%	1995	28	4	14.3%	2006	27	3	11.1%				
1985	20	5	25.0%	1996	26	2	7.7%	2007	26	1	3.8%				

- New Entrants excludes individuals with interim-entry and emergency transfer permits.
- When fewer than four permits make landings, counts are masked (**) due to reasons of confidentiality.

Figure 10. New Entrants into the Prince William Sound Salmon Set Gillnet Fishery, 1975-2016



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Age of S04E Permit Holders

Table 37. Median Age of Select CFEC Permit Holders and the General Alaskan Population

Year	Combined S04E	Statewide PWS Salmon	Statewide Salmon Set Gillnet	Statewide All Permits	AK Median Age
1975	45.3	39.9	36.2	42.9	24.3
1976	45.5	38.3	36.4	41.3	24.7
1977	46.0	38.4	36.1	40.5	25.1
1978	40.9	38.2	35.7	40.1	25.4
1979	38.9	38.1	35.8	40.1	25.8
1980	39.7	38.5	35.8	39.6	26.0
1981	39.5	38.3	36.0	39.5	26.4
1982	41.8	38.0	36.0	39.5	26.8
1983	36.8	38.0	35.7	39.6	27.1
1984	36.1	38.6	35.8	39.9	27.3
1985	39.4	38.9	36.3	40.1	27.5
1986	39.7	39.1	36.7	40.1	27.8
1987	38.5	39.4	37.0	40.4	28.2
1988	35.5	40.0	37.3	40.6	28.6
1989	37.2	40.6	38.0	41.0	29.0
1990	38.2	40.8	38.3	41.4	29.3
1991	39.5	41.1	38.9	41.9	29.7
1992	40.1	42.5	39.3	42.4	30.1
1993	41.1	42.9	39.9	43.0	30.5
1994	42.5	43.7	40.4	43.5	30.8
1995	43.5	44.0	41.0	43.9	31.1
1996	44.5	44.5	41.7	44.5	31.5
1997	45.1	45.2	42.0	45.0	31.8
1998	45.2	45.9	42.6	45.6	32.1
1999	46.2	46.1	43.1	46.1	32.3
2000	46.3	45.9	43.4	46.6	32.4
2001	47.0	46.9	44.1	47.0	32.7
2002	47.6	47.6	44.8	47.7	33.0
2003	48.6	48.2	45.5	48.4	33.2
2004	49.6	49.0	45.9	48.8	33.4
2005	50.3	49.6	46.0	49.3	33.6
2006	51.5	50.2	46.3	49.7	33.8
2007	52.6	50.4	46.8	50.1	33.9
2008	50.9	50.5	46.8	50.5	33.9
2009	54.5	51.2	47.3	51.1	33.9
2010	52.5	50.9	47.7	51.4	33.8
2011	49.6	50.9	48.2	51.8	33.9
2012	49.7	51.2	48.8	52.1	34.1
2013	39.1	51.4	49.0	52.4	34.3
2014	39.2	51.2	49.2	52.7	34.3
2015	40.2	51.2	49.6	53.3	34.5
2016	41.2	51.2	50.0	53.8	34.7

- AK Median age data is from the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Table 37 shows the annual median age of five different cohorts of people: 1) Prince William Sound salmon set gillnet (S04E) permit holders; 2) all three (S01E, S03E, and S04E) Prince William Sound salmon permit holders; 3) statewide salmon set gillnet permit holders; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there was only one non-transferable S04E permit issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.4 years between 1975 and 2016, which represents a 42.7% increase. The percent change in ages over the same period for all CFEC permit holders increased by 25.2% (10.8 years), 38.0% (13.8 years) for the statewide set gillnet permit holders, and 28.3% (11.3 years) for the combined Prince William Sound permit holders.

For S04E permit holders, the median age decreased 9.1% (-4.1 years).

Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 11 are for both nominal and real dollars using the 2016 Consumer Price Index from the U.S. Bureau of Labor Statistics.

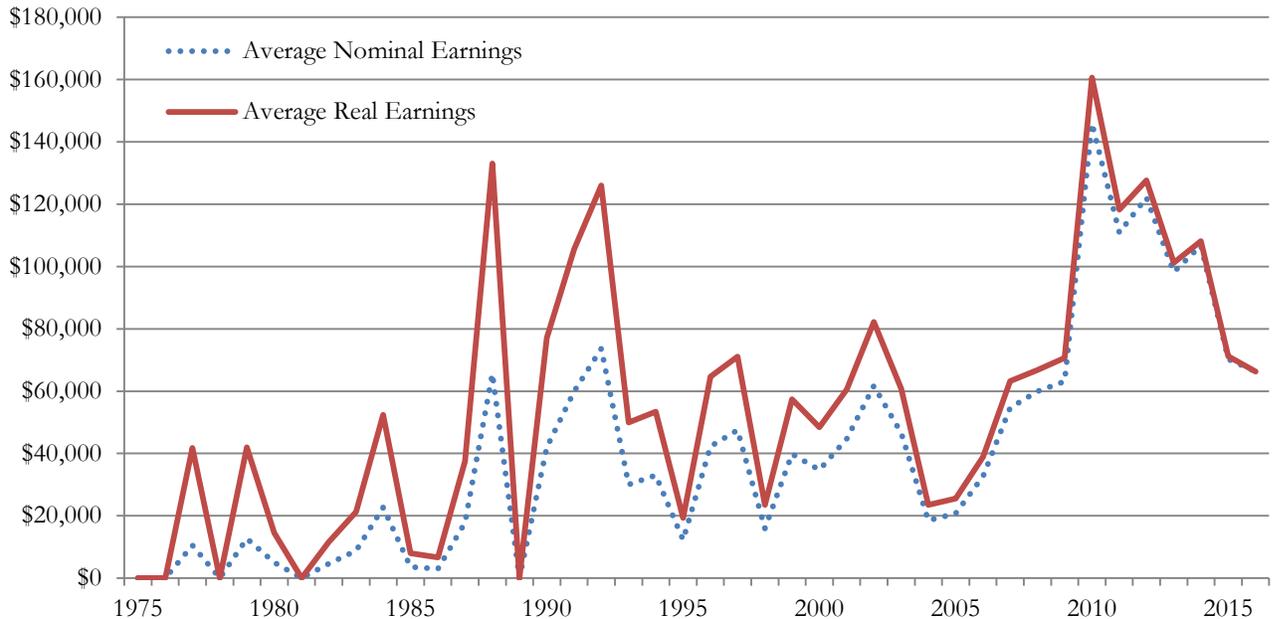
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 1981. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

Table 38 reports the number of permits, permits with landings, and estimated gross earnings in the Prince William Sound salmon set gillnet fishery from 1975 to 2016. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

Table 39 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 40 breaks out participation and real earnings by ADF&G salmon district. Note that some permits are used to record landings in more than one district.

Figure 11. Estimated Nominal and Real Average Gross Earnings Per Prince William Sound Salmon Set Gillnet Permit



- Real earnings are adjusted for inflation using the 2016 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 38. Estimated Total Gross Earnings (Real and Nominal) for the Prince William Sound Salmon Set Gillnet Fishery, With Average Gross Earnings (Real) by Permit, 1975-2016

Year	Viable Permits	Total Gross Earnings		Permits With Landings	Average Real Earnings
		Nominal	Real		
1975	26	\$0	\$0	0	\$0
1976	28	**	**	1 - 3	**
1977	29	\$147,679	\$584,886	14	\$41,778
1978	28	**	**	1 - 3	**
1979	30	\$88,898	\$293,885	7	\$41,984
1980	30	\$54,760	\$159,500	11	\$14,500
1981	31	**	**	1 - 3	**
1982	30	\$23,195	\$57,688	5	\$11,538
1983	30	\$150,309	\$362,200	17	\$21,306
1984	30	\$430,644	\$994,778	19	\$52,357
1985	30	\$71,439	\$159,348	20	\$7,967
1986	30	\$51,502	\$112,782	17	\$6,634
1987	30	\$372,486	\$786,965	21	\$37,475
1988	30	\$1,835,877	\$3,724,626	28	\$133,022
1989	30	\$0	\$0	0	\$0
1990	30	\$1,217,979	\$2,236,599	29	\$77,124
1991	30	\$1,738,039	\$3,062,714	29	\$105,611
1992	30	\$2,210,370	\$3,781,213	30	\$126,040
1993	30	\$902,332	\$1,498,726	30	\$49,958
1994	30	\$857,692	\$1,389,015	26	\$53,424
1995	30	\$330,874	\$521,077	27	\$19,299
1996	30	\$1,099,263	\$1,681,523	26	\$64,674
1997	30	\$1,282,756	\$1,918,196	27	\$71,044
1998	30	\$271,304	\$399,477	17	\$23,499
1999	30	\$876,414	\$1,262,578	22	\$57,390
2000	30	\$1,008,002	\$1,404,922	29	\$48,446
2001	30	\$1,341,957	\$1,818,629	30	\$60,621
2002	30	\$1,726,484	\$2,303,325	28	\$82,262
2003	30	\$1,305,689	\$1,703,122	28	\$60,826
2004	30	\$499,698	\$634,892	27	\$23,515
2005	30	\$540,779	\$664,571	26	\$25,560
2006	29	\$849,458	\$1,011,289	26	\$38,896
2007	30	\$1,365,898	\$1,581,084	25	\$63,243
2008	29	\$1,498,602	\$1,670,552	25	\$66,822
2009	29	\$1,704,971	\$1,907,387	27	\$70,644
2010	29	\$4,085,598	\$4,496,882	28	\$160,603
2011	29	\$3,215,004	\$3,430,367	29	\$118,289
2012	29	\$3,541,396	\$3,702,013	29	\$127,656
2013	29	\$2,751,731	\$2,835,007	28	\$101,250
2014	29	\$3,094,241	\$3,136,995	29	\$108,172
2015	29	\$2,038,043	\$2,063,753	29	\$71,164
2016	29	\$1,921,950	\$1,921,950	29	\$66,274

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- When fewer than four permits make landings, earnings are masked (**) due to reasons of confidentiality.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 39. Estimated Real Gross Earnings for Permit Holders in the Prince William Sound Salmon Set Gillnet Fishery by Resident Type, 1975-2016

Year	Local Gross Earnings			Nonlocal Gross Earnings			Nonresident Gross Earnings			Total Gross Earnings		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
1976	1 - 3	**	**	0	\$0	\$0	0	\$0	\$0	1 - 3	**	**
1977	7	\$51,131	\$357,918	1 - 3	**	**	**	**	**	14	\$41,778	\$584,886
1978	1 - 3	**	**	0	\$0	\$0	0	\$0	\$0	1 - 3	**	**
1979	**	**	**	0	\$0	\$0	1 - 3	**	**	7	\$41,984	\$293,885
1980	6	\$12,877	\$77,265	1 - 3	**	**	1 - 3	**	**	11	\$14,500	\$159,500
1981	1 - 3	**	**	1 - 3	**	**	1 - 3	**	**	1 - 3	**	**
1982	**	**	**	1 - 3	**	**	0	\$0	\$0	5	\$11,538	\$57,688
1983	11	\$18,273	\$201,000	**	**	**	1 - 3	**	**	19	\$19,063	\$362,200
1984	10	\$47,946	\$479,458	**	**	**	1 - 3	**	**	19	\$52,357	\$994,778
1985	**	**	**	11	\$9,242	\$101,660	1 - 3	**	**	20	\$7,967	\$159,348
1986	**	**	**	12	\$7,645	\$91,744	1 - 3	**	**	17	\$6,634	\$112,782
1987	**	**	**	12	\$48,663	\$583,953	1 - 3	**	**	21	\$37,475	\$786,965
1988	12	\$114,808	\$1,377,701	12	\$143,209	\$1,718,507	4	\$157,104	\$628,418	28	\$133,022	\$3,724,626
1989	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
1990	**	**	**	14	\$80,001	\$1,120,012	1 - 3	**	**	30	\$74,553	\$2,236,599
1991	11	\$65,319	\$718,504	15	\$127,731	\$1,915,971	5	\$85,648	\$428,239	31	\$98,797	\$3,062,714
1992	13	\$105,871	\$1,376,325	15	\$124,365	\$1,865,470	4	\$134,854	\$539,418	32	\$118,163	\$3,781,213
1993	12	\$41,040	\$492,480	14	\$58,302	\$816,234	4	\$47,503	\$190,012	30	\$49,958	\$1,498,726
1994	**	**	**	15	\$64,390	\$965,847	1 - 3	**	**	27	\$51,445	\$1,389,015
1995	**	**	**	15	\$22,197	\$332,954	1 - 3	**	**	28	\$18,610	\$521,077
1996	8	\$42,813	\$342,506	14	\$77,232	\$1,081,255	4	\$64,441	\$257,762	26	\$64,674	\$1,681,523
1997	9	\$46,560	\$419,044	15	\$80,299	\$1,204,488	4	\$73,666	\$294,665	28	\$68,507	\$1,918,196
1998	4	\$22,287	\$89,149	13	\$23,871	\$310,328	0	\$0	\$0	17	\$23,499	\$399,477
1999	**	**	**	13	\$58,032	\$754,410	1 - 3	**	**	22	\$57,390	\$1,262,578
2000	9	\$49,075	\$441,674	15	\$48,187	\$722,807	5	\$48,088	\$240,441	29	\$48,446	\$1,404,922
2001	6	\$79,487	\$476,920	20	\$48,944	\$978,889	6	\$60,470	\$362,819	32	\$56,832	\$1,818,629
2002	5	\$100,033	\$500,166	18	\$78,772	\$1,417,902	6	\$64,209	\$385,257	29	\$79,425	\$2,303,325
2003	7	\$68,020	\$476,140	17	\$54,777	\$931,212	6	\$49,295	\$295,769	30	\$56,771	\$1,703,122
2004	7	\$35,083	\$245,582	15	\$19,170	\$287,543	5	\$20,353	\$101,767	27	\$23,515	\$634,892
2005	5	\$27,443	\$137,217	16	\$22,527	\$360,429	5	\$33,385	\$166,925	26	\$25,560	\$664,571
2006	7	\$34,914	\$244,395	15	\$34,093	\$511,402	5	\$51,099	\$255,493	27	\$37,455	\$1,011,289
2007	7	\$60,965	\$426,754	14	\$57,081	\$799,138	5	\$71,038	\$355,192	26	\$60,811	\$1,581,084
2008	7	\$86,730	\$607,110	14	\$63,911	\$894,748	4	\$42,174	\$168,695	25	\$66,822	\$1,670,552
2009	**	**	**	17	\$53,940	\$916,985	1 - 3	**	**	27	\$70,644	\$1,907,387
2010	7	\$219,278	\$1,534,949	16	\$149,437	\$2,390,987	5	\$114,189	\$570,946	28	\$160,603	\$4,496,882
2011	5	\$218,038	\$1,090,190	21	\$91,214	\$1,915,499	4	\$106,170	\$424,679	30	\$114,346	\$3,430,367
2012	6	\$150,708	\$904,250	19	\$125,488	\$2,384,274	4	\$103,372	\$413,489	29	\$127,656	\$3,702,013
2013	7	\$128,492	\$899,443	18	\$89,399	\$1,609,186	4	\$81,594	\$326,378	29	\$97,759	\$2,835,007
2014	6	\$88,956	\$533,736	17	\$116,354	\$1,978,026	6	\$104,205	\$625,233	29	\$108,172	\$3,136,995
2015	4	\$57,196	\$228,785	17	\$77,722	\$1,321,277	8	\$64,211	\$513,692	29	\$71,164	\$2,063,753
2016	4	\$59,873	\$239,491	17	\$69,513	\$1,181,728	8	\$62,591	\$500,731	29	\$66,274	\$1,921,950

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Note that these counts are for individuals, not permits.
- When fewer than four permits make landings, earnings in another column are masked (**) due to reasons of confidentiality.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 40. Gross Real Earnings for the Prince William Sound Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975-2016

Year	District 192				District 212				District 225				Total	
	Permits		Real Value		Permits		Real Value		Permits		Real Value		Permits	Real Value
1975	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	0	\$0
1976	1 - 3	--	--	--	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	1 - 3	--
1977	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	14	\$584,886
1978	1 - 3	--	--	--	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	1 - 3	--
1979	7	100.0%	\$293,885	100.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	7	\$293,885
1980	6	54.5%	\$112,255	70.4%	0	0.0%	\$0	0.0%	5	45.5%	\$47,245	29.6%	11	\$159,500
1981	1 - 3	--	--	--	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	1 - 3	--
1982	5	100.0%	\$57,688	100.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	5	\$57,688
1983	**	**	**	**	1 - 3	--	--	--	14	82.4%	\$333,895	92.2%	17	\$362,200
1984	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	19	100.0%	\$994,778	100.0%	19	\$994,778
1985	1 - 3	--	--	--	1 - 3	--	--	--	19	95.0%	\$139,405	87.5%	20	\$159,348
1986	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	17	\$112,782
1987	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	21	\$786,965
1988	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	28	\$3,724,626
1990	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	29	\$2,236,599
1991	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	29	100.0%	\$3,062,714	100.0%	29	\$3,062,714
1992	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	30	100.0%	\$3,781,213	100.0%	30	\$3,781,213
1993	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	30	100.0%	\$1,498,726	100.0%	30	\$1,498,726
1994	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	26	100.0%	\$1,389,015	100.0%	26	\$1,389,015
1995	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	27	\$521,077
1996	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	26	100.0%	\$1,681,523	100.0%	26	\$1,681,523
1997	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	27	\$1,918,196
1998	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	17	\$399,477
1999	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	22	\$1,262,578
2000	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	29	\$1,404,922
2001	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	30	\$1,818,629
2002	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	28	100.0%	\$2,303,325	100.0%	28	\$2,303,325
2003	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	28	100.0%	\$1,703,122	100.0%	28	\$1,703,122
2004	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	27	100.0%	\$634,892	100.0%	27	\$634,892
2005	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	26	100.0%	\$664,571	100.0%	26	\$664,571
2006	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	26	100.0%	\$1,011,289	100.0%	26	\$1,011,289
2007	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	25	100.0%	\$1,581,084	100.0%	25	\$1,581,084
2008	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	25	100.0%	\$1,670,552	100.0%	25	\$1,670,552
2009	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	27	100.0%	\$1,907,387	100.0%	27	\$1,907,387
2010	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	28	\$4,496,882
2011	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	29	100.0%	\$3,430,367	100.0%	29	\$3,430,367
2012	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	29	100.0%	\$3,702,013	100.0%	29	\$3,702,013
2013	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	28	\$2,835,007
2014	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	29	100.0%	\$3,136,995	100.0%	29	\$3,136,995
2015	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	29	100.0%	\$2,063,753	100.0%	29	\$2,063,753
2016	1 - 3	--	--	--	0	0.0%	\$0	0.0%	**	**	**	**	29	\$1,921,950

- Adjusted for inflation to 2016 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.
- When fewer than four permits make landings, earnings in another column are masked (**) due to reasons of confidentiality.
- 5 AAC 39.120 (d) places the Yakataga District within Area E gillnet gear registration area.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Permit Holdings in Multiple Prince William Sound Salmon Fisheries

Because of their established fishing history in multiple fisheries prior to limitation, some initial permit holders were issued permits in more than one fishery. Table 41 provides counts and percentages of permit holders who were issued permits in one or more Prince William Sound salmon fisheries.

Table 41. Initial Permit Issuance in Multiple Prince William Sound Salmon Fisheries

Permit Type	One		Two		Three		Total
	n	%	n	%	n	%	
S01E	44	16.5%	216	80.9%	7	2.6%	267
S03E	301	56.1%	229	42.6%	7	1.3%	537
S04E	8	26.7%	15	50.0%	7	23.3%	30
Total	353	59.8%	230	39.0%	7	1.2%	590

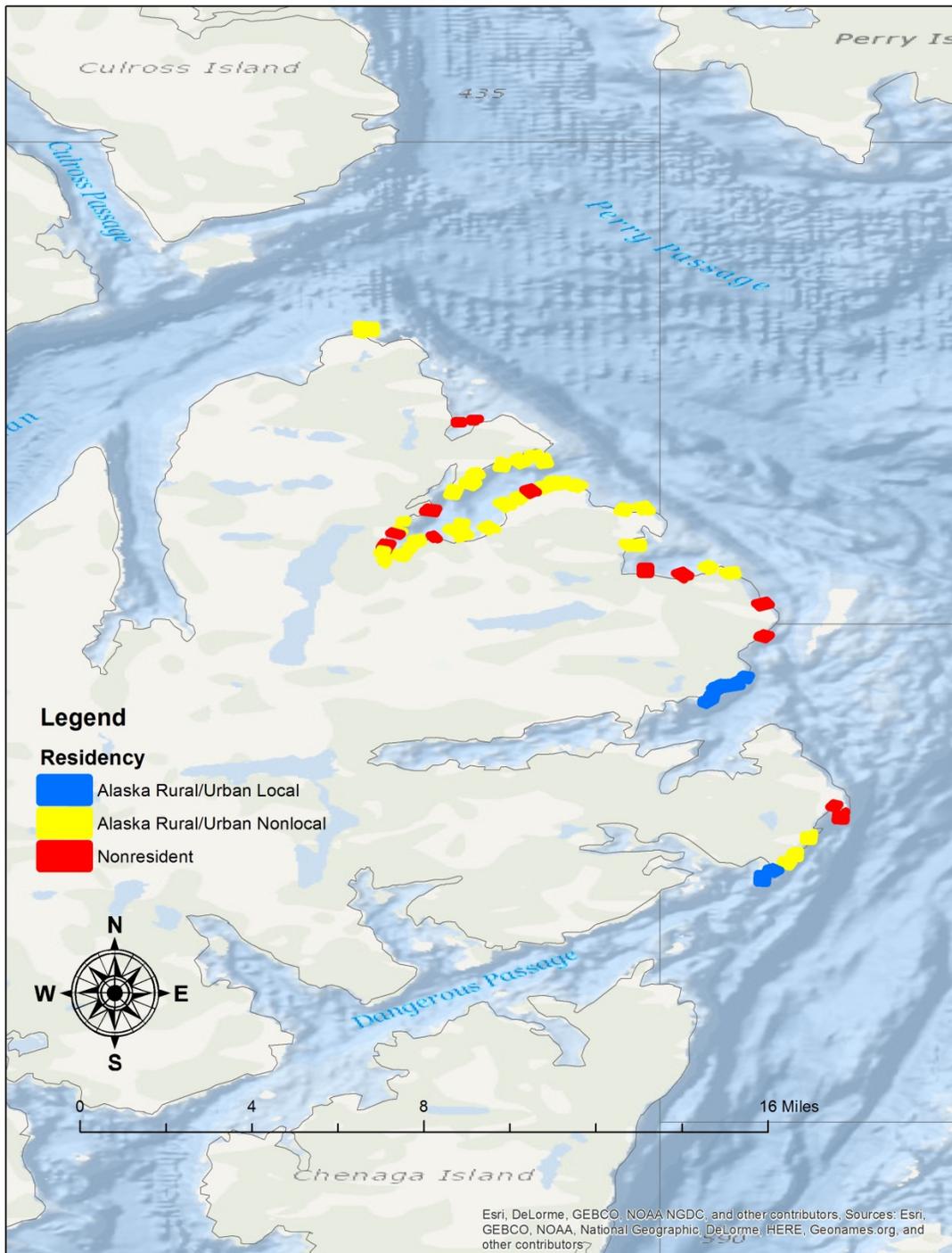
Table 42 provides counts of permit holders who recorded landings in either one or more than one Prince William Sound salmon fishery. Please note that very few individuals made landings in all three fisheries, for which reason they are combined in the 2+ column.

Table 42. Participation in Multiple Prince William Sound Salmon Fisheries

Year	Purse Seine		Drift Gillnet		Set Gillnet	
	1 only	2+	1 only	2+	1 only	2+
1975	40	180	262	180	0	0
1976	71	191	307	191	**	1 to 3
1977	52	181	319	189	5	9
1978	49	154	374	154	**	1 to 3
1979	87	160	355	163	1 to 3	**
1980	127	114	282	115	7	4
1981	132	138	354	137	1 to 3	1 to 3
1982	122	138	405	139	**	1 to 3
1983	133	135	406	137	**	1 to 3
1984	127	137	402	140	**	1 to 3
1985	158	111	447	112	**	1 to 3
1986	153	98	449	98	17	0
1987	158	105	425	105	21	0
1988	166	92	447	95	**	1 to 3
1989	172	75	427	75	0	0
1990	191	87	455	88	**	1 to 3
1991	168	87	440	87	31	0
1992	124	85	451	86	**	1 to 3
1993	94	52	470	53	**	1 to 3
1994	99	73	449	73	27	0
1995	116	73	459	74	**	1 to 3
1996	56	34	487	34	26	0
1997	70	45	487	47	**	1 to 3
1998	91	58	474	59	**	1 to 3
1999	83	56	478	57	**	1 to 3
2000	78	54	480	57	25	4
2001	92	55	470	57	**	1 to 3
2002	78	43	482	47	25	4
2003	68	37	478	41	24	6
2004	69	36	480	40	23	4
2005	64	37	472	42	21	5
2006	72	39	459	44	22	5
2007	82	40	466	43	**	1 to 3
2008	103	41	474	44	**	1 to 3
2009	99	55	480	59	23	4
2010	120	57	487	61	24	4
2011	136	49	482	52	**	1 to 3
2012	171	55	487	58	**	1 to 3
2013	161	52	485	55	**	1 to 3
2014	179	49	493	50	**	1 to 3
2015	169	52	476	54	**	1 to 3
2016	158	54	479	55	**	1 to 3

- ** counts are masked for confidentiality.

Appendix A. Prince William Sound DNR Shore Fishery Lease Sites



As of May 31, 2017