

CFEC Permit Holdings and Estimates of Gross Earnings in the Chignik and Alaska Peninsula Commercial Salmon Fisheries, 1975-2021

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Abstract

Limited entry permit holdings in the Chignik and Alaska Peninsula salmon fisheries are examined: the Chignik purse seine fishery (S01L permits) is first, followed by a separate examination of the Alaska Peninsula fisheries that include purse seine (S01M permits), drift gillnet (S03M permits), and set gillnet (S04M permits). This report provides 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 mean age, estimated gross earnings, vessel characteristics for the drift and purse seine fisheries, and Department of Natural Resource shore fishery leases in the set gillnet fishery. Some summary statistics are also presented by resident type. A description of the computer files and methods used to generate the statistics are provided.

Prepared by Reid Johnson

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Introduction

Commercial fishing for salmon in Chignik and on the Alaska Peninsula has been documented as far back as 1888 in Chignik (Area L) and 1906 on the Alaska Peninsula (Area M)¹. Today, three gear types are used to prosecute the commercial salmon fisheries in this region: purse seines in both Chignik and the Alaska Peninsula, plus drift and set gillnet gear for the Alaska Peninsula.

In 1972, Alaskan voters amended the state constitution to allow limited entry in the state’s commercial fisheries. The following year, 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 Chignik purse seine, and all three commercial Alaska Peninsula (purse seine, drift gillnet, and set gillnet) fisheries were in the original group of salmon fisheries that were limited. Limited permits in these fisheries were issued starting in 1975.

Limited entry permits were allocated based upon an individual’s past participation and economic dependence on the fishery. To allocate permits among qualified applicants, CFEC developed point systems to measure each individual’s relative position in the fishery. The Limited Entry Act also required CFEC to determine levels within the point system where individuals would experience only minor economic hardship if excluded from an initial permit allocation. Persons who were ranked at or below the minor economic hardship level received non-transferable permits, while persons who were ranked above the minor economic hardship level received transferable permits.

Information regarding season length, openings and closings, size, alternate gear and methods, and other such data can be found in the Alaska Department of Fish and Game’s (ADF&G) Area Management Reports. This report focuses on the economics of these commercial fisheries. This report provides an overview of limited entry permit holdings and estimated gross earnings in the Chignik and Alaska Peninsula commercial salmon 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 harvested in the commercial salmon fisheries from year to year and across each fishery.

Table 0-1. Percent of Total Ex-vessel Value of Chignik and Alaska Peninsula Salmon Fisheries by Species, 1975-2021

Species	Chignik Purse Seine	AK Peninsula Purse Seine	Alaska Peninsula Drift Gillnet	Alaska Peninsula Set Gillnet	All Combined
Chinook	0.4%	0.6%	0.7%	1.5%	0.7%
Sockeye	83.9%	42.3%	91.8%	83.6%	72.9%
Coho	4.5%	4.5%	2.4%	6.7%	4.1%
Pink	7.2%	36.5%	0.4%	3.7%	14.2%
Chum	4.0%	16.1%	4.7%	4.5%	8.1%

¹ See Byerly, M., B. Brooks, B. Simonson, H. Savikko, and H.J. Geiger. *Alaska’s Commercial Salmon Catches, 1878-1997*. RIR No. 5J99-05

Description of the Data Files Used to Generate This Report

Several CFEC data files were used to generate the statistics in this report: the permit file, the census file, the vessel file, the Alaska Department of Natural Resources (DNR) shore fishery lease file, and the gross earnings file. The most recently 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 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 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. Tables 0-2 through 0-6 list the communities that are currently designated as local to salmon commercial fisheries in the Census file.

Table 0-2. Communities Local to the Chignik Salmon Fisheries, as Indicated in the CFEC Census File

Chignik	Chignik Bay	Chignik Lagoon	Chignik Lake	Ivanoff Bay	Perryville
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Table 0-3. Communities Local to the Alaska Peninsula Salmon Fisheries, as Indicated in the CFEC Census File

Adak	Chernofski	Makushin	Saint Paul Island	St. Paul
Akutan	Cold Bay	Nelson Lagoon	Sanak	Umnak Island
Amchitka	Dutch Harbor	Nikolski	Sand Bay	Unalaska
Atka	False Pass	Paylof Habor	Sand Point	Unalaska
Attu	Fort Glenn	Port Heiden	Shemya	Unimak
Attu Station	Herendeen Bay	Port Moller	Squar Harbor	
Belkofski	King Cove	Saint George Island	St. George	

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. Several processes to validate and enhance fields such as vessel number and statistical area were undertaken to increase accuracy of this report.

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 data set. Creation of the dataset is described in CFEC Report Number 19-03N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2018*.

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.

Chapter 1 Chignik Salmon Purse Seine Fishery

S01L Permit Holdings

Limited entry permits for the Chignik salmon purse seine fishery (S01L permits) were issued starting in 1975. CFEC has issued 91 S01L permits. Table 1-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 35.2% (32/91) of the permits, Nonlocal Alaskans received 44.0% (40/91) of the permits, and Nonresidents received 20.9% (19/91). Every permit issued in this fishery was a transferable permit.

Table 1-1. Initial Issuance and Year-end 2021 Totals of Chignik Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2021 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	32	35.2%	2	6.3%	0	0.0%	0	0.0%	34	38.2%
Nonlocal	40	44.0%	12	30.0%	-8	-20.0%	-2	-5.0%	42	47.2%
Nonresident	19	20.9%	-14	-73.7%	8	42.1%	-0	0.0%	13	14.6%
Total	91	100.0%	0	0.0%	0	0.0%	-2	-2.1%	89	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 of S01L 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.² 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 1-2. Transfer Acquisition Methods for Chignik Salmon Purse Seine Permits, 1980-2021

Acquisition Method	Chignik Salmon Purse Seine		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
Gift	76	36.4%	1,118	27.6%	13,403	32.5%
Sale	107	51.2%	2,557	63.2%	24,174	58.6%
Trade	1	0.5%	64	1.6%	531	1.3%
Other	25	12.0%	308	7.6%	3,134	7.6%
Total	209		4,047		41,242	

Table 1-2 compares transfer acquisition methods for the S01L permits, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2021. Just under 40 percent of all S01L permit transfers were gifts (76/209), just over half of all transfers were sales (51.2%, or 107/209), only one transfer was a trade, and 25 permits were transferred as other (12.0%). The annual acquisition methods for S01L permits can be viewed in a different publication.³

Table 1-3. Relationships of Transferor to Transfer Recipients for Chignik Salmon Purse Seine Permits, 1980-2021

Relationship	Chignik Salmon Purse Seine		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	21	10.0%	708	17.5%	7,713	18.7%
Member of Immediate Family	107	51.2%	1,290	31.9%	13,850	33.6%
Other Relative	7	3.3%	152	3.8%	1,846	4.5%
Other	74	35.4%	1,897	46.9%	17,833	43.2%
Total	209		4,047		41,242	

Table 1-3 shows the relationships between transferors and transfer recipients for S01L permits and compares S01L permit transfers with all statewide purse seine permits and all limited entry permits, from 1980 to 2021. Transfers within the family, both immediate family members and other relatives, total 54.5% (114/209) of all transfers. This compares to 35.7% (1,442/4,047) for all statewide salmon seine permit types combined, and 38.1% (15,696/41,242) for all limited entry permits statewide.

² CFEC implemented the transfer survey in 1980.

³ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2021*, CFEC Report No. 22-2N.

Emergency Transfers of S01L 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 to the permanent permit holder.

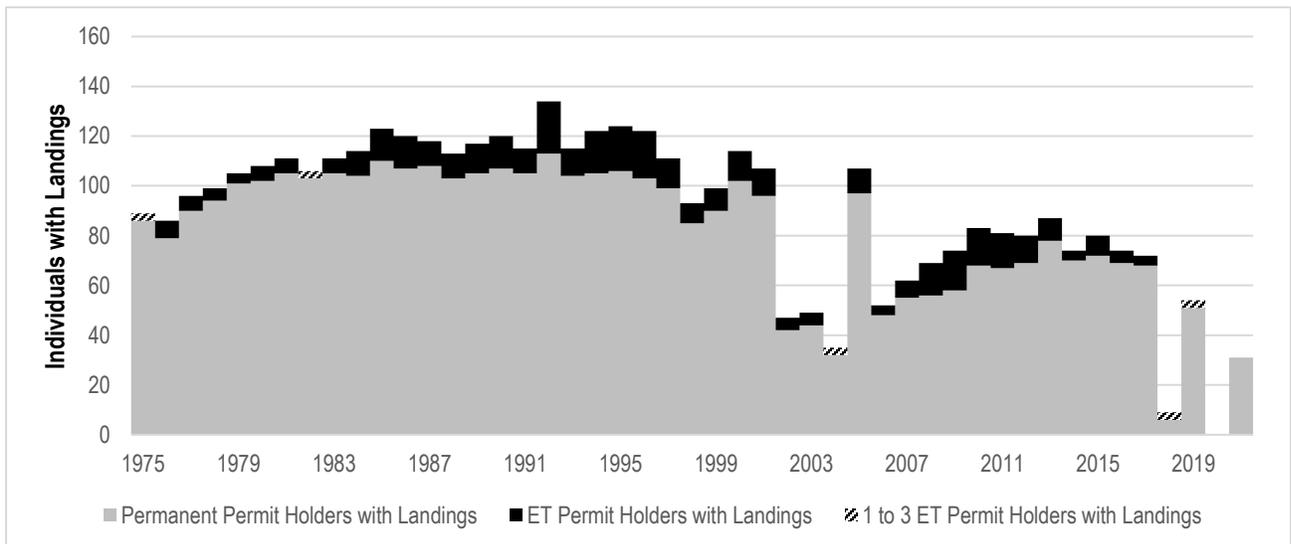
Table 1-4 and Figure 1-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 1-4. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2021

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	86	1 to 3	-	1991	105	10	9.5%	2007	55	7	12.7%
1976	79	7	8.9%	1992	113	21	18.6%	2008	56	13	23.2%
1977	90	6	6.7%	1993	104	11	10.6%	2009	58	16	27.6%
1978	94	5	5.3%	1994	105	17	16.2%	2010	68	15	22.1%
1979	101	4	4.0%	1995	106	18	17.0%	2011	67	14	20.9%
1980	102	6	5.9%	1996	103	19	18.4%	2012	69	11	15.9%
1981	105	6	5.7%	1997	99	12	12.1%	2013	78	9	11.5%
1982	103	1 to 3	-	1998	85	8	9.4%	2014	70	4	5.7%
1983	105	6	5.7%	1999	90	9	10.0%	2015	72	8	11.1%
1984	104	10	9.6%	2000	102	12	11.8%	2016	69	5	7.2%
1985	110	13	11.8%	2001	96	11	11.5%	2017	68	4	5.9%
1986	107	13	12.1%	2002	42	5	11.9%	2018	6	1 to 3	-
1987	108	10	9.3%	2003	44	5	11.4%	2019	51	1 to 3	-
1988	103	10	9.7%	2004	32	1 to 3	-	2020	0	0	0.0%
1989	105	12	11.4%	2005	97	10	10.3%	2021	31	0	0.0%
1990	107	13	12.1%	2006	48	4	8.3%				

- When fewer than four individuals make landings, figures are masked due to confidentiality.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit during those years.

Figure 1-1. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2021



Latent S01L Permits

CFEC regulations require individuals to renew their limited entry permits annually, regardless of whether they fish. Permits that are not used (do not record landings) each year are referred to herein as “latent” permits for that year.

Table 1-5 indicates the total number of issued S01L permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Issued 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 1-2.

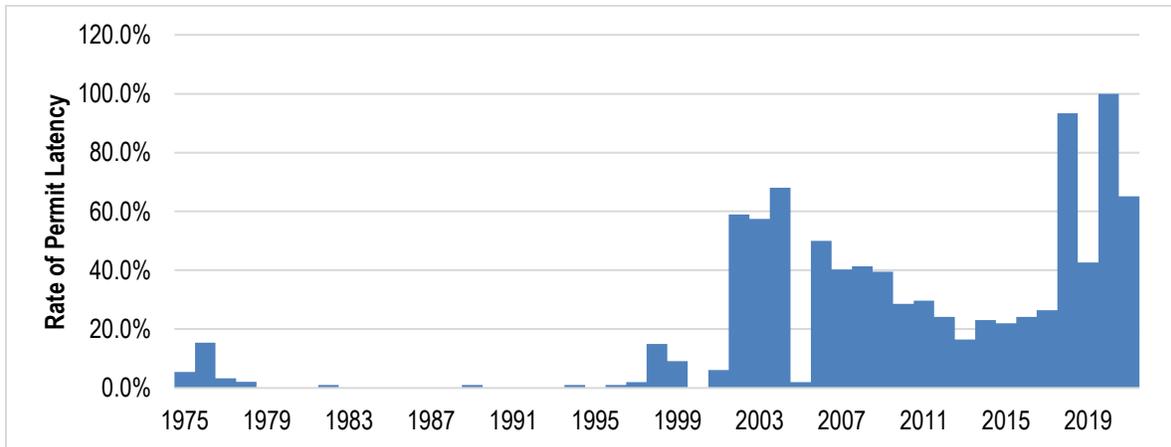
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons.

Table 1-5. Chignik Salmon Purse Seine Permit Latency, 1975-2021

Permits				Permits				Permits			
Year	Issued	Fished	Latency Rate	Year	Issued	Fished	Latency Rate	Year	Issued	Fished	Latency Rate
1975	91	86	5.5%	1991	101	101	0.0%	2007	92	55	40.2%
1976	91	77	15.4%	1992	101	101	0.0%	2008	92	54	41.3%
1977	91	88	3.3%	1993	102	102	0.0%	2009	91	55	39.6%
1978	95	93	2.1%	1994	100	99	1.0%	2010	91	65	28.6%
1979	101	101	0.0%	1995	100	100	0.0%	2011	91	64	29.7%
1980	101	101	0.0%	1996	101	100	1.0%	2012	91	69	24.2%
1981	102	102	0.0%	1997	100	98	2.0%	2013	91	76	16.5%
1982	102	101	1.0%	1998	100	85	15.0%	2014	91	70	23.1%
1983	100	100	0.0%	1999	99	90	9.1%	2015	91	71	22.0%
1984	100	100	0.0%	2000	99	99	0.0%	2016	91	69	24.2%
1985	101	101	0.0%	2001	98	92	6.1%	2017	91	67	26.4%
1986	100	100	0.0%	2002	100	41	59.0%	2018	90	6	93.3%
1987	102	102	0.0%	2003	101	43	57.4%	2019	89	51	42.7%
1988	101	101	0.0%	2004	100	32	68.0%	2020	89	0	100.0%
1989	101	100	1.0%	2005	99	97	2.0%	2021	89	31	65.2%
1990	101	101	0.0%	2006	96	48	50.0%				

- 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.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit during those years.

Figure 1-2. Chignik Salmon Purse Seine Permit Latency Rate, 1975-2021



New Entrants into the Chignik Salmon Purse Seine Fishery

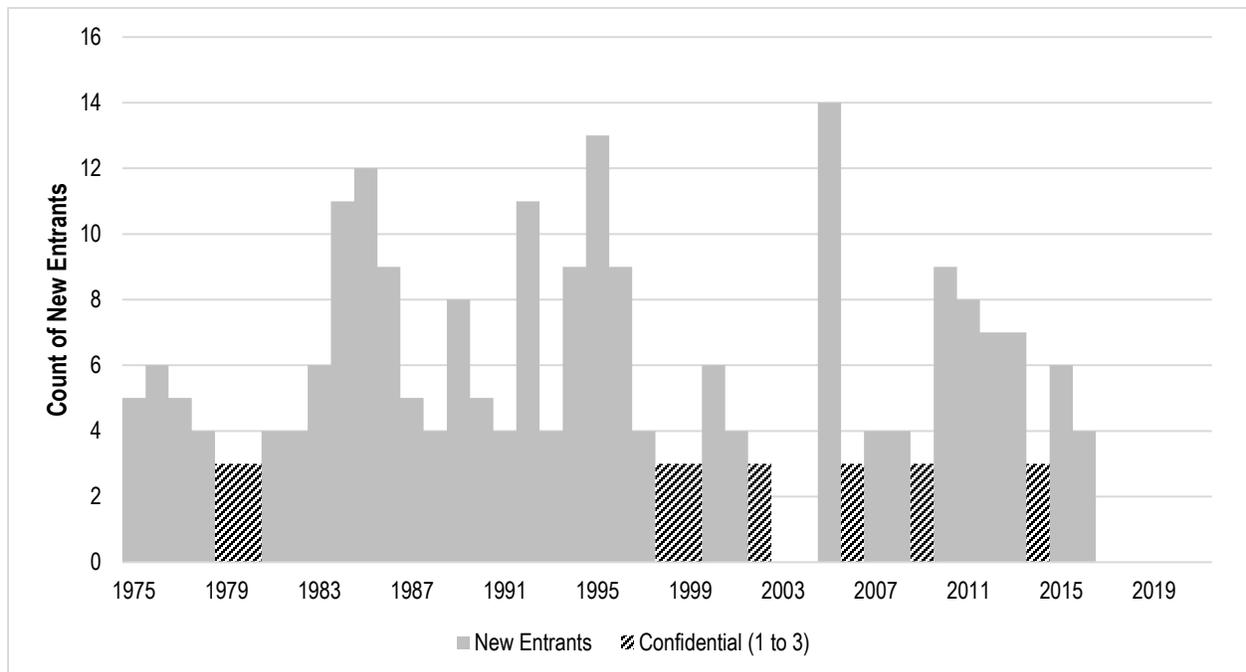
New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S01L permit and are displayed both in Table 1-6 and Figure 1-3. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

Table 1-6. New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2021

Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent
1975	80	5	6.3%	1988	92	4	4.3%	2001	88	4	4.5%	2014	70	1 to 3	-
1976	76	6	7.9%	1989	94	8	8.5%	2002	37	1 to 3	-	2015	72	6	8.3%
1977	89	5	5.6%	1990	96	5	5.2%	2003	39	0	0.0%	2016	69	4	5.8%
1978	90	4	4.4%	1991	93	4	4.3%	2004	29	0	0.0%	2017	68	0	0.0%
1979	90	1 to 3	-	1992	100	11	11.0%	2005	88	14	15.9%	2018	6	0	0.0%
1980	91	1 to 3	-	1993	91	4	4.4%	2006	45	1 to 3	-	2019	51	0	0.0%
1981	93	4	4.3%	1994	95	9	9.5%	2007	54	4	7.4%	2020	0	0	.
1982	92	4	4.3%	1995	96	13	13.5%	2008	55	4	7.3%	2021	31	0	0.0%
1983	94	6	6.4%	1996	92	9	9.8%	2009	58	1 to 3	-				
1984	94	11	11.7%	1997	89	4	4.5%	2010	68	9	13.2%				
1985	97	12	12.4%	1998	77	1 to 3	-	2011	67	8	11.9%				
1986	97	9	9.3%	1999	82	1 to 3	-	2012	69	7	10.1%				
1987	95	5	5.3%	2000	93	6	6.5%	2013	78	7	9.0%				

- This table excludes individuals with interim-entry and emergency transfer permits.
- When fewer than four individuals make landings, figures are masked due to confidentiality.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit during those years.

Figure 1-3. New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2021



Age of S01L Permit Holders

Table 1-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S01L	Statewide Salmon Purse Seine	Statewide All Permits	Mean AK Worker Age
1980	44.5	42.3	38.9	33.4
1981	44.5	42.4	39.9	33.5
1982	43.7	42.2	40.0	33.6
1983	44.5	41.9	40.2	33.7
1984	43.8	42.1	40.4	33.8
1985	43.8	42.6	40.8	34.0
1986	43.8	42.5	41.0	34.2
1987	44.8	42.5	40.9	34.5
1988	45.0	42.7	41.2	34.9
1989	44.1	42.8	41.5	35.3
1990	44.0	43.2	42.0	35.5
1991	43.9	43.5	42.5	35.9
1992	44.9	44.0	42.9	36.2
1993	43.7	44.6	43.5	36.5
1994	43.6	45.0	44.0	36.7
1995	43.4	45.4	44.4	37.0
1996	43.3	45.8	44.8	37.2
1997	43.5	46.4	45.1	37.4
1998	45.0	46.8	45.6	37.6
1999	46.0	47.2	46.0	37.8
2000	46.2	47.3	46.4	37.9
2001	47.3	48.0	46.9	38.1
2002	47.9	48.5	47.4	38.3
2003	49.1	49.4	47.9	38.4
2004	49.9	50.1	48.2	38.6
2005	50.4	50.6	48.4	38.7
2006	51.7	51.1	48.7	38.8
2007	52.6	51.5	48.9	38.9
2008	52.5	51.1	49.0	39.0
2009	53.2	51.3	49.3	39.1
2010	52.7	51.4	49.5	39.2
2011	52.1	51.3	49.6	39.4
2012	52.6	51.4	49.8	39.4
2013	51.4	51.2	50.0	39.5
2014	52.1	51.0	50.2	39.5
2015	53.0	51.4	50.6	39.5
2016	53.2	52.0	50.9	39.6
2017	53.6	52.4	51.3	40.1
2018	55.0	52.6	51.7	40.1
2019	54.9	52.3	51.9	40.1
2020	55.6	52.8	52.3	40.0
2021	56.8	53.1	52.6	39.9

Table 1-7 shows the annual mean age of four different cohorts of people: 1) Chignik salmon purse seine (S01L) permit holders; 2) all salmon purse seine permit holders statewide; 3) all CFEC limited entry permit holders; and 4) the Alaskan working age population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S01L 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 mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The percent change in ages over the same period for all CFEC permit holders was an increase of 13.7 years, and an increase of 10.3 years for statewide purse seine permit holders.

For S01L permit holders, the mean age increased 12.3 years.

- Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- Age data from the CFEC permit file is as of December 31st of each year.

S01L Permit Value

Many permit transfers are non-monetary transactions (see Table 1-2). Table 1-8 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 1-8. CFEC Estimated Value of Chignik Salmon Purse Seine Permits

Year	S01L Permit Sales	Nominal Permit Value	Real Permit Value	Real Standard Deviation
1987	0	\$331,800	\$854,900	\$82,600
1988	2	\$328,000	\$845,400	\$51,500
1989	2	\$366,200	\$859,100	\$68,500
1990	2	\$397,500	\$886,000	\$133,600
1991	2	\$409,400	\$879,200	\$113,300
1992	2	\$403,100	\$819,000	\$19,200
1993	2	\$349,800	\$651,200	\$160,800
1994	2	\$247,300	\$445,600	\$116,500
1995	6	\$228,300	\$421,300	\$19,000
1996	4	\$194,500	\$348,600	\$8,200
1997	6	\$188,300	\$329,900	\$18,400
1998	0	\$185,500	\$324,900	\$19,400
1999	3	\$150,500	\$239,600	\$39,200
2000	3	\$175,000	\$287,500	\$71,700
2001	1	\$185,800	\$296,000	\$56,400
2002	0	\$185,800	\$296,000	\$56,400
2003	4	\$179,500	\$274,300	\$13,000
2004	1	\$182,000	\$273,200	\$10,600
2005	5	\$159,600	\$229,800	\$33,700
2006	3	\$146,500	\$206,400	\$37,300
2007	1	\$131,500	\$179,600	\$15,000
2008	3	\$91,200	\$113,800	\$22,800
2009	4	\$70,800	\$92,700	\$9,200
2010	8	\$78,400	\$101,100	\$13,400
2011	4	\$95,100	\$118,900	\$4,400
2012	2	\$97,600	\$121,000	\$3,400
2013	4	\$186,200	\$224,800	\$27,400
2014	4	\$211,200	\$250,900	\$23,100
2015	1	\$227,500	\$270,100	\$14,700
2016	3	\$167,200	\$183,300	\$48,700
2017	0	\$167,200	\$183,300	\$48,700
2018	1	\$136,400	\$153,900	\$22,700
2019	0	\$136,400	\$153,900	\$22,700
2020	0	\$136,400	\$153,900	\$22,700
2021	0	\$136,400	\$153,900	\$22,700

- Permit values represent averages of all arms-length sale transactions over the year.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit during those years.

Chignik Salmon Purse Seine Vessel Characteristics

Table 1-9 reports on various vessel characteristics of the Chignik salmon purse seine fleet since 1978. Reported in this table are the age, length, horsepower, hold refrigeration, and hold capacity. This data is from the vessel license file which includes voluntary supplied information on vessels. The first column of each category is the count of vessel with the described characteristics; other statistics reported include the 25th percentile, median, and 75th percentile.

Table 1-9. Chignik Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Age				Length(ft)			Horsepower				Refrigeration			Hold Capacity(ft ³)			
		Count	25%	Median	75%	Count	25%	Median	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	95	91	1	6	15	89	33	35	90	110	200	270	85	0	0.0%	32	300	400	500
1979	109	101	1	6	14	103	33	36	98	120	210	280	93	0	0.0%	34	350	400	600
1980	103	93	2	3	9	94	34	38	85	150	230	290	85	1	1.2%	32	400	500	965
1981	103	96	2	4	9	96	35	38	91	190	250	300	90	2	2.2%	33	400	500	700
1982	103	98	3	4	8	99	36	38	93	210	260	300	94	3	3.2%	33	400	600	925
1983	98	95	4	5	10	95	36	38	91	210	260	307	89	2	2.2%	34	400	600	750
1984	102	101	5	6	11	101	36	38	99	200	260	307	97	4	4.1%	41	400	600	800
1985	103	100	6	7	12	101	36	38	99	210	260	330	97	4	4.1%	41	500	700	980
1986	104	103	6	8	12	103	36	38	101	210	270	325	99	5	5.1%	39	400	650	925
1987	104	104	7	9	12	104	38	39	100	213	278	343	102	4	3.9%	42	500	700	800
1988	109	108	7	10	13	108	38	41	105	230	280	343	105	4	3.8%	45	500	700	800
1989	106	106	8	10	12	106	38	42	104	230	300	395	101	6	5.9%	44	520	710	1,000
1990	101	101	8	11	13	101	38	42	99	238	310	453	97	5	5.2%	45	600	800	1,000
1991	105	105	6	12	14	105	38	42	103	250	326	540	101	11	10.9%	46	600	800	1,000
1992	102	102	6	13	15	102	38	42	100	259	335	545	97	11	11.3%	46	600	800	1,000
1993	104	104	7	14	16	104	38	42	102	270	340	550	100	15	15.0%	50	540	800	1,000
1994	101	101	8	14	16	101	38	42	99	270	340	550	94	17	18.1%	46	540	800	1,000
1995	103	103	7	15	17	103	38	42	98	250	326	550	93	23	24.7%	49	500	800	1,000
1996	102	102	8	16	18	102	40	44	97	258	350	550	91	24	26.4%	47	500	800	1,000
1997	99	99	9	17	19	99	40	44	94	258	347	585	88	23	26.1%	45	500	800	1,000
1998	85	85	13	19	21	85	38	42	80	250	326	550	75	15	20.0%	33	400	800	950
1999	93	92	13	20	21	92	38	43	87	250	340	550	82	21	25.6%	40	400	800	1,000
2000	100	100	13	20	22	100	41	46	95	270	350	585	90	27	30.0%	47	500	800	1,000
2001	92	92	15	22	23	92	40	45	87	275	343	550	82	23	28.0%	43	500	812	1,000
2002	42	42	16	22	24	42	40	44	41	280	350	550	39	8	20.5%	16	500	800	975
2003	45	45	19	24	25	45	40	44	42	270	338	550	40	6	15.0%	14	480	745	950
2004	34	34	19	24	26	34	40	42	33	260	330	550	33	6	18.2%	15	480	800	1,000
2005	46	46	20	25	26	46	38	42	44	288	335	525	42	10	23.8%	21	448	800	950
2006	55	55	20	27	28	55	38	46	52	255	358	625	51	15	29.4%	26	480	800	1,000
2007	55	54	20	27	29	54	41	46	50	275	350	600	48	14	29.2%	20	440	800	1,000
2008	54	54	23	28	30	54	38	44	51	240	340	550	50	17	34.0%	21	350	700	950
2009	55	55	24	30	32	55	40	44	52	230	335	525	51	17	33.3%	19	225	800	1,000
2010	65	65	25	31	33	65	40	44	62	240	342	500	61	24	39.3%	27	400	800	1,040
2011	68	68	26	32	34	68	39	44	64	240	347	493	65	30	46.2%	26	500	750	1,000
2012	68	68	29	33	35	68	40	44	65	240	340	480	65	30	46.2%	28	450	710	1,000
2013	77	77	28	34	36	77	40	44	74	270	355	480	74	42	56.8%	34	400	710	1,040
2014	71	71	29	35	37	71	38	44	68	249	350	525	68	40	58.8%	31	400	690	1,000
2015	70	70	29	35	37	70	40	46	67	270	365	600	67	42	62.7%	30	500	806	1,090
2016	67	67	29	36	38	67	42	46	65	280	400	620	65	43	66.2%	30	500	819	1,197
2017	66	66	31	38	39	66	40	46	63	280	370	600	63	40	63.5%	29	500	800	1,000
2018	6	6	31	34	41	6	47	48	5	400	480	800	6	5	83.3%	2	925	15,463	30,000
2019	50	50	33	40	42	50	42	46	47	260	343	620	47	32	68.1%	22	500	875	1,040
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0
2021	32	32	31	38	44	32	42	47	31	300	400	850	31	25	80.6%	14	400	963	1,040
Total	328	.	.	.	.	315	36	42	307	200	300	425	293	95	32.4%	152	400	700	1,000

- Total includes every unique vessel that participated in this fishery from 1978 to 2021.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01: permit benefited from the cooperative without using their permit during those years.

Chignik Salmon Purse Seine (S01L)

Table 1-10 provides additional Chignik salmon purse seine vessel characteristics. Included are statistics of engine propulsion and hull material for each year since 1978.

Table 1-10. Additional Chignik Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Engine Power					Hull Material										
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Concrete	Steel	Wood							
1978	95	91	90	98.9%	1	1.1%	92	2	2.2%	50	54.3%	0	0.0%	0	0.0%	40	43.5%
1979	109	103	102	99.0%	1	1.0%	104	2	1.9%	64	61.5%	0	0.0%	0	0.0%	38	36.5%
1980	103	95	95	100.0%	0	0.0%	95	2	2.1%	70	73.7%	0	0.0%	0	0.0%	23	24.2%
1981	103	96	95	99.0%	1	1.0%	96	3	3.1%	77	80.2%	0	0.0%	0	0.0%	16	16.7%
1982	103	99	99	100.0%	0	0.0%	98	2	2.0%	83	84.7%	0	0.0%	0	0.0%	13	13.3%
1983	98	95	95	100.0%	0	0.0%	95	2	2.1%	81	85.3%	0	0.0%	0	0.0%	12	12.6%
1984	102	101	99	98.0%	2	2.0%	101	2	2.0%	86	85.1%	0	0.0%	0	0.0%	13	12.9%
1985	103	100	96	96.0%	4	4.0%	101	2	2.0%	87	86.1%	0	0.0%	0	0.0%	12	11.9%
1986	104	101	95	94.1%	6	5.9%	103	2	1.9%	91	88.3%	0	0.0%	0	0.0%	10	9.7%
1987	104	103	100	97.1%	3	2.9%	104	3	2.9%	92	88.5%	0	0.0%	0	0.0%	9	8.7%
1988	109	107	104	97.2%	3	2.8%	108	3	2.8%	95	88.0%	0	0.0%	0	0.0%	10	9.3%
1989	106	105	102	97.1%	3	2.9%	106	2	1.9%	96	90.6%	0	0.0%	0	0.0%	8	7.5%
1990	101	101	100	99.0%	1	1.0%	101	1	1.0%	93	92.1%	0	0.0%	1	1.0%	6	5.9%
1991	105	105	104	99.0%	1	1.0%	105	0	0.0%	98	93.3%	0	0.0%	2	1.9%	5	4.8%
1992	102	102	101	99.0%	1	1.0%	102	0	0.0%	98	96.1%	0	0.0%	2	2.0%	2	2.0%
1993	104	104	104	100.0%	0	0.0%	104	0	0.0%	100	96.2%	0	0.0%	2	1.9%	2	1.9%
1994	101	101	100	99.0%	1	1.0%	101	1	1.0%	98	97.0%	0	0.0%	1	1.0%	1	1.0%
1995	103	100	98	98.0%	2	2.0%	103	1	1.0%	99	96.1%	0	0.0%	2	1.9%	1	1.0%
1996	102	98	97	99.0%	1	1.0%	102	1	1.0%	99	97.1%	0	0.0%	1	1.0%	1	1.0%
1997	99	95	95	100.0%	0	0.0%	99	1	1.0%	95	96.0%	0	0.0%	2	2.0%	1	1.0%
1998	85	81	81	100.0%	0	0.0%	85	0	0.0%	83	97.6%	0	0.0%	1	1.2%	1	1.2%
1999	93	88	87	98.9%	1	1.1%	92	2	2.2%	88	95.7%	0	0.0%	1	1.1%	1	1.1%
2000	100	96	96	100.0%	0	0.0%	100	1	1.0%	96	96.0%	0	0.0%	3	3.0%	0	0.0%
2001	92	88	88	100.0%	0	0.0%	92	1	1.1%	88	95.7%	0	0.0%	3	3.3%	0	0.0%
2002	42	41	41	100.0%	0	0.0%	42	1	2.4%	40	95.2%	0	0.0%	1	2.4%	0	0.0%
2003	45	43	43	100.0%	0	0.0%	45	0	0.0%	44	97.8%	0	0.0%	1	2.2%	0	0.0%
2004	34	34	34	100.0%	0	0.0%	34	0	0.0%	33	97.1%	0	0.0%	1	2.9%	0	0.0%
2005	46	45	44	97.8%	1	2.2%	46	2	4.3%	44	95.7%	0	0.0%	0	0.0%	0	0.0%
2006	55	53	53	100.0%	0	0.0%	55	1	1.8%	54	98.2%	0	0.0%	0	0.0%	0	0.0%
2007	55	51	51	100.0%	0	0.0%	54	1	1.9%	53	98.1%	0	0.0%	0	0.0%	0	0.0%
2008	54	52	50	96.2%	2	3.8%	54	1	1.9%	53	98.1%	0	0.0%	0	0.0%	0	0.0%
2009	55	53	51	96.2%	2	3.8%	55	0	0.0%	54	98.2%	0	0.0%	1	1.8%	0	0.0%
2010	65	63	61	96.8%	2	3.2%	65	0	0.0%	64	98.5%	0	0.0%	1	1.5%	0	0.0%
2011	68	66	64	97.0%	2	3.0%	67	0	0.0%	63	94.0%	0	0.0%	3	4.5%	1	1.5%
2012	68	66	65	98.5%	1	1.5%	68	0	0.0%	65	95.6%	0	0.0%	2	2.9%	1	1.5%
2013	77	75	74	98.7%	1	1.3%	77	1	1.3%	72	93.5%	0	0.0%	3	3.9%	1	1.3%
2014	71	69	68	98.6%	1	1.4%	71	1	1.4%	66	93.0%	0	0.0%	4	5.6%	0	0.0%
2015	70	68	67	98.5%	1	1.5%	70	2	2.9%	63	90.0%	0	0.0%	5	7.1%	0	0.0%
2016	67	66	65	98.5%	1	1.5%	67	1	1.5%	61	91.0%	0	0.0%	5	7.5%	0	0.0%
2017	66	64	63	98.4%	1	1.6%	66	2	3.0%	61	92.4%	0	0.0%	3	4.5%	0	0.0%
2018	6	5	5	100.0%	0	0.0%	6	0	0.0%	6	100.0%	0	0.0%	0	0.0%	0	0.0%
2019	50	48	47	97.9%	1	2.1%	50	1	2.0%	47	94.0%	0	0.0%	2	4.0%	0	0.0%
2020	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-	0	-
2021	32	31	30	96.8%	1	3.2%	32	3	9.4%	28	87.5%	0	0.0%	1	3.1%	0	0.0%
Total	328	311	288	92.6%	23	7.4%	315	16	5.1%	242	76.8%	0	0.0%	12	3.8%	45	14.3%

- Total includes every vessel in this fishery from 1978 to 2021.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permit from 2002 – 2004. Average Earnings will not properly reflect estimated earnings by permit holder or vessel for these 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 1-4 are for both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

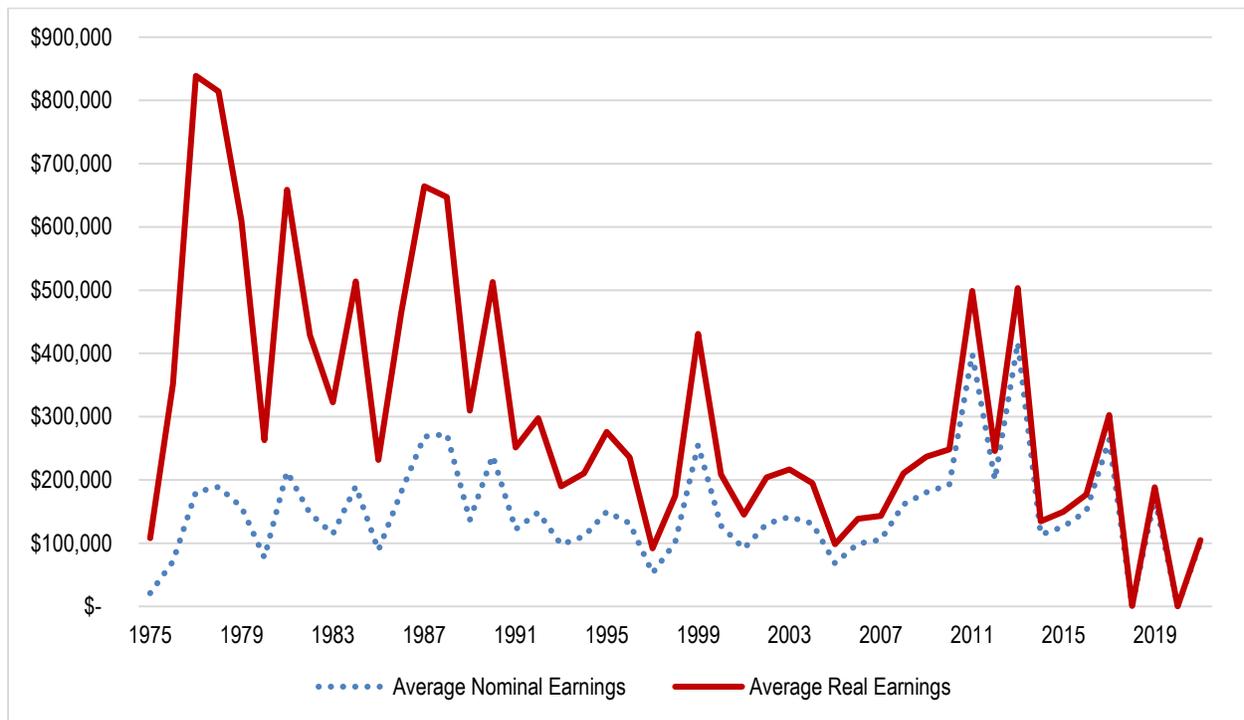
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held for the Chignik salmon purse seine fishery was in 2008. 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 1-11 reports the number of permits issued, permits with landings, and estimated gross earnings in the Chignik salmon purse seine fishery from 1975 to 2021. 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 1-12 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type.

Figure 1-4 illustrates both average nominal and average real gross earnings by year for Chignik Salmon Purse Seine Permits, as well as the collapse in commercial fishing in Chignik in 2018 and 2020 with a near total closure in 2018 and complete closure in 2020. CFEC issued permit fee refunds to S01L permit holders in both years.

Figure 1-4. Estimated Nominal and Real Average Gross Earnings Per Chignik Salmon Purse Seine Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 1-11. Estimated Total Gross Earnings (Real and Nominal) for the Chignik Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits with Landings	Average Nominal Earnings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real					
1975	91	\$1,779,704	\$9,297,494	86	\$20,694	\$108,110	86	\$9,297,494
1976	91	\$5,486,251	\$27,104,088	77	\$71,250	\$352,001	78	\$27,104,088
1977	91	\$15,912,254	\$73,813,255	88	\$180,821	\$838,787	88	\$73,813,255
1978	95	\$17,562,986	\$75,694,407	93	\$188,849	\$813,918	95	\$75,694,407
1979	101	\$15,890,341	\$61,557,528	101	\$157,330	\$609,480	109	\$61,557,528
1980	101	\$7,778,332	\$26,536,909	101	\$77,013	\$262,742	103	\$26,536,909
1981	102	\$21,733,891	\$67,203,079	102	\$213,077	\$658,854	103	\$67,203,079
1982	102	\$14,867,916	\$43,316,940	101	\$147,207	\$428,881	103	\$43,316,940
1983	100	\$11,436,399	\$32,282,337	100	\$114,364	\$322,823	98	\$32,282,337
1984	100	\$18,989,185	\$51,391,991	100	\$189,892	\$513,920	102	\$51,391,991
1985	101	\$8,955,351	\$23,406,685	101	\$88,667	\$231,749	103	\$23,406,685
1986	100	\$18,139,377	\$46,527,937	100	\$181,394	\$465,279	104	\$46,527,937
1987	102	\$27,389,328	\$67,770,780	102	\$268,523	\$664,419	104	\$67,770,780
1988	101	\$27,492,891	\$65,361,747	101	\$272,207	\$647,146	109	\$65,361,747
1989	101	\$13,646,696	\$30,949,782	100	\$136,467	\$309,498	106	\$30,949,782
1990	101	\$24,062,162	\$51,776,481	101	\$238,239	\$512,638	101	\$51,776,481
1991	101	\$12,300,704	\$25,393,025	101	\$121,789	\$251,416	105	\$25,393,025
1992	101	\$14,988,314	\$30,031,603	101	\$148,399	\$297,343	102	\$30,031,603
1993	102	\$9,952,323	\$19,369,431	102	\$97,572	\$189,896	104	\$19,369,431
1994	100	\$10,980,605	\$20,827,627	99	\$110,915	\$210,380	101	\$20,827,627
1995	100	\$14,961,281	\$27,603,637	100	\$149,613	\$276,036	103	\$27,603,637
1996	101	\$13,150,294	\$23,571,430	100	\$131,503	\$235,714	102	\$23,571,430
1997	100	\$5,125,222	\$8,976,923	98	\$52,298	\$91,601	99	\$8,976,923
1998	100	\$8,617,756	\$14,863,442	85	\$101,385	\$174,864	85	\$14,863,442
1999	99	\$22,966,602	\$38,763,406	90	\$255,184	\$430,705	93	\$38,763,406
2000	99	\$12,629,695	\$20,620,287	99	\$127,573	\$208,286	100	\$20,620,287
2001	98	\$8,411,090	\$13,355,202	92	\$91,425	\$145,165	92	\$13,355,202
2002	100	\$5,348,911	\$8,360,449	41	\$130,461	\$203,913	42	\$8,360,449
2003	101	\$6,088,452	\$9,305,130	43	\$141,592	\$216,398	45	\$9,305,130
2004	100	\$4,191,186	\$6,238,473	32	\$130,975	\$194,952	34	\$6,238,473
2005	99	\$6,627,770	\$9,541,545	97	\$68,328	\$98,366	46	\$9,541,545
2006	96	\$4,764,730	\$6,645,087	48	\$99,265	\$138,439	55	\$6,645,087
2007	92	\$5,798,496	\$7,862,528	55	\$105,427	\$142,955	55	\$7,862,528
2008	92	\$8,702,917	\$11,364,512	54	\$161,165	\$210,454	54	\$11,364,512
2009	91	\$9,930,644	\$13,013,982	55	\$180,557	\$236,618	55	\$13,013,982
2010	91	\$12,509,651	\$16,129,212	65	\$192,456	\$248,142	65	\$16,129,212
2011	91	\$25,542,055	\$31,924,621	64	\$399,095	\$498,822	68	\$31,924,621
2012	91	\$13,842,993	\$16,951,363	69	\$200,623	\$245,672	68	\$16,951,363
2013	91	\$31,698,894	\$38,256,320	76	\$417,091	\$503,373	77	\$38,256,320
2014	91	\$7,935,605	\$9,424,328	70	\$113,366	\$134,633	71	\$9,424,328
2015	91	\$8,955,851	\$10,623,371	71	\$126,139	\$149,625	70	\$10,623,371
2016	91	\$10,403,040	\$12,186,278	69	\$150,769	\$176,613	67	\$12,186,278
2017	91	\$17,685,960	\$20,285,496	67	\$263,970	\$302,769	66	\$20,285,496
2018	90	\$3,495	\$3,913	6	\$583	\$652	6	\$3,913
2019	89	\$8,727,704	\$9,597,909	51	\$171,131	\$188,194	50	\$9,597,909
2020	89	0	0	0	\$0	0	.	.
2021	89	\$3,132,523	\$3,250,188	31	\$101,049	\$104,845	32	\$3,250,188

- Adjusted for inflation to 2022 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.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefitted from the cooperative without using their permit from 2002 – 2004. Average earnings will not properly reflect estimated earnings by permit holder or vessel for those years.

Table 1-12. Estimated Real Gross Earnings for Permit Holders in the Chignik Salmon Purse Seine Fishery by Resident Type, 1975-2021

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	30	\$124,321	\$3,729,640	37	\$97,536	\$3,608,819	19	\$103,107	\$1,959,035	86	\$108,110	\$9,297,494
1976	31	\$333,463	\$10,337,346	33	\$359,953	\$11,878,454	15	\$325,886	\$4,888,289	79	\$343,090	\$27,104,088
1977	33	\$819,013	\$27,027,436	40	\$843,363	\$33,734,508	17	\$767,724	\$13,051,311	90	\$820,147	\$73,813,255
1978	38	\$730,684	\$27,765,990	43	\$870,427	\$37,428,379	13	\$807,695	\$10,500,038	94	\$805,260	\$75,694,407
1979	38	\$513,033	\$19,495,262	49	\$671,048	\$32,881,371	14	\$655,778	\$9,180,895	101	\$609,480	\$61,557,528
1980	43	\$228,829	\$9,839,628	45	\$290,640	\$13,078,799	14	\$258,463	\$3,618,483	102	\$260,166	\$26,536,909
1981	47	\$568,458	\$26,717,525	40	\$761,324	\$30,452,946	18	\$557,367	\$10,032,607	105	\$640,029	\$67,203,079
1982	46	\$411,002	\$18,906,092	41	\$455,217	\$18,663,883	16	\$359,185	\$5,746,965	103	\$420,553	\$43,316,940
1983	49	\$285,819	\$14,005,115	40	\$343,886	\$13,755,443	16	\$282,611	\$4,521,780	105	\$307,451	\$32,282,337
1984	53	\$441,842	\$23,417,614	36	\$551,099	\$19,839,550	15	\$542,322	\$8,134,828	104	\$494,154	\$51,391,991
1985	56	\$239,175	\$13,393,826	40	\$198,529	\$7,941,170	14	\$147,978	\$2,071,690	110	\$212,788	\$23,406,685
1986	60	\$426,080	\$25,564,794	34	\$476,329	\$16,195,179	13	\$366,767	\$4,767,965	107	\$434,841	\$46,527,937
1987	57	\$624,855	\$35,616,716	37	\$653,941	\$24,195,814	14	\$568,446	\$7,958,250	108	\$627,507	\$67,770,780
1988	52	\$578,416	\$30,077,618	36	\$683,532	\$24,607,138	15	\$711,799	\$10,676,991	103	\$634,580	\$65,361,747
1989	52	\$353,548	\$18,384,521	36	\$269,880	\$9,715,675	17	\$167,623	\$2,849,586	105	\$294,760	\$30,949,782
1990	49	\$466,488	\$22,857,930	41	\$491,537	\$20,153,014	17	\$515,620	\$8,765,536	107	\$483,892	\$51,776,481
1991	48	\$234,990	\$11,279,520	36	\$228,128	\$8,212,618	21	\$280,995	\$5,900,887	105	\$241,838	\$25,393,025
1992	54	\$250,376	\$13,520,308	39	\$253,477	\$9,885,587	20	\$331,285	\$6,625,708	113	\$265,766	\$30,031,603
1993	47	\$170,922	\$8,033,331	38	\$173,446	\$6,590,963	19	\$249,744	\$4,745,137	104	\$186,245	\$19,369,431
1994	53	\$182,015	\$9,646,781	33	\$188,097	\$6,207,216	19	\$259,723	\$4,934,731	105	\$197,988	\$20,788,727
1995	49	\$267,322	\$13,098,776	36	\$246,625	\$8,878,495	21	\$267,922	\$5,626,366	106	\$260,412	\$27,603,637
1996	51	\$205,024	\$10,456,203	34	\$231,319	\$7,864,844	18	\$291,688	\$5,250,382	103	\$228,849	\$23,571,430
1997	51	\$81,761	\$4,169,815	33	\$96,224	\$3,175,394	15	\$108,781	\$1,631,714	99	\$90,676	\$8,976,923
1998	48	\$155,200	\$7,449,597	25	\$182,949	\$4,573,734	12	\$236,560	\$2,838,721	85	\$174,848	\$14,862,051
1999	47	\$438,658	\$20,616,938	33	\$419,554	\$13,845,286	10	\$430,118	\$4,301,182	90	\$430,705	\$38,763,406
2000	47	\$208,197	\$9,785,266	42	\$191,583	\$8,046,500	13	\$214,502	\$2,788,520	102	\$202,160	\$20,620,287
2001	51	\$137,922	\$7,034,017	33	\$127,549	\$4,209,126	12	\$176,005	\$2,112,059	96	\$139,117	\$13,355,202
2002	29	\$164,524	\$4,771,202	Confidential	Confidential	Confidential	1 to 3	Confidential	Confidential	42	\$199,058	\$8,360,449
2003	31	\$181,482	\$5,625,957	9	\$330,535	\$2,974,815	4	\$176,089	\$704,358	44	\$211,480	\$9,305,130
2004	25	\$170,203	\$4,255,083	Confidential	Confidential	Confidential	1 to 3	Confidential	Confidential	32	\$194,952	\$6,238,473
2005	44	\$120,782	\$5,314,399	39	\$81,385	\$3,173,997	14	\$75,225	\$1,053,148	97	\$98,366	\$9,541,545
2006	29	\$145,433	\$4,217,564	13	\$118,686	\$1,542,913	6	\$147,435	\$884,610	48	\$138,439	\$6,645,087
2007	31	\$154,976	\$4,804,249	15	\$111,846	\$1,677,687	9	\$153,399	\$1,380,592	55	\$142,955	\$7,862,528
2008	35	\$188,991	\$6,614,687	15	\$186,850	\$2,802,743	6	\$324,514	\$1,947,081	56	\$202,938	\$11,364,512
2009	38	\$223,032	\$8,475,206	14	\$197,900	\$2,770,594	6	\$294,697	\$1,768,182	58	\$224,379	\$13,013,982
2010	34	\$217,235	\$7,385,993	25	\$233,058	\$5,826,439	9	\$324,087	\$2,916,780	68	\$237,194	\$16,129,212
2011	37	\$490,904	\$18,163,454	22	\$405,412	\$8,919,065	8	\$605,263	\$4,842,102	67	\$476,487	\$31,924,621
2012	38	\$241,971	\$9,194,904	24	\$250,898	\$6,021,558	7	\$247,843	\$1,734,901	69	\$245,672	\$16,951,363
2013	37	\$505,621	\$18,707,975	30	\$495,705	\$14,871,153	11	\$425,199	\$4,677,192	78	\$490,466	\$38,256,320
2014	34	\$134,446	\$4,571,172	25	\$104,165	\$2,604,133	11	\$204,457	\$2,249,023	70	\$134,633	\$9,424,328
2015	34	\$144,533	\$4,914,128	29	\$142,210	\$4,124,095	9	\$176,128	\$1,585,149	72	\$147,547	\$10,623,371
2016	35	\$179,364	\$6,277,755	25	\$184,019	\$4,600,474	9	\$145,339	\$1,308,049	69	\$176,613	\$12,186,278
2017	36	\$287,733	\$10,358,379	24	\$296,652	\$7,119,657	8	\$350,933	\$2,807,461	68	\$298,316	\$20,285,496
2018	1 to 3	Confidential	Confidential	1 to 3	Confidential	Confidential	1 to 3	Confidential	Confidential	6	\$652	\$3,913
2019	27	\$182,222	\$4,920,003	18	\$214,617	\$3,863,098	6	\$135,801	\$814,808	51	\$188,194	\$9,597,909
2020	0	-	-	0	-	-	0	-	-	0	-	-
2021	17	\$125,088	\$2,126,491	Confidential	Confidential	Confidential	1 to 3	Confidential	Confidential	31	\$104,845	\$3,250,188

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four individuals in a cohort make landings, counts of participation and earnings are masked for both that cohort and at least one other cohort that year.
- 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.
- From 2002 – 2005 the majority of S01L permit holders participated in a salmon cooperative. Some S01L permit holders benefited from the cooperative without using their permits from 2002 – 2004. Average earnings will not properly reflect estimated earnings by permit holder or vessel for those years.

Chapter 2 Alaska Peninsula Purse Seine Fishery

S01M Permit Holdings

Limited entry permits for the Alaska Peninsula (referred to also as Area M) salmon purse seine fishery (S01M) were issued starting in 1975. CFEC has issued 121 S01M permits. Table 2-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 84.3% (102/121) of the permits, Nonlocal Alaskans received 2.5% (3/121) of the permits, and Nonresidents received 13.2% (16/121). Every permit issued in this fishery was a transferable permit.

Table 2-1. Initial Issuance and Year-end 2021 Totals of Alaska Peninsula Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2021 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	102	84.3%	-33	-32.4%	-15	-14.7%	-1	-1.0%	53	44.5%
Nonlocal	3	2.5%	10	333.3%	15	500.0%	1	33.3%	29	24.4%
Nonresident	16	13.2%	23	143.8%	0	0.0%	-2	-12.5%	37	31.1%
Total	121	100.0%	0	0.0%	0	0.0%	-2	-1.7%	119	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 of S01M 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.⁴ 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 2-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Purse Seine Permits, 1980-2021

Acquisition Method	Alaska Peninsula Salmon Purse Seine		Combined Alaska Peninsula		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	134	38.1%	517	37.3%	1,118	27.6%	13,403	32.5%
Sale	175	49.7%	729	52.6%	2,557	63.2%	24,174	58.6%
Trade	10	2.8%	31	2.2%	64	1.6%	531	1.3%
Other	33	9.4%	109	7.9%	308	7.6%	3,134	7.6%
Total	352		1,386		4,047		41,242	

Table 2-2 compares and contrasts the transfer acquisition methods for the S01M permits, the combined Alaska Peninsula salmon permit types, all statewide salmon purse seine permits, and all limited entry permits between 1980 and 2021. The majority of all S01M transfers were sales (49.7% or 175/352), followed by gifts (38.1% or 134/352), and a smaller percentage were trades (2.8% or 10/352) or other (9.4% or 33/352). The annual acquisition methods for S01M permits can be viewed in a different publication.⁵

Table 2-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Purse Seine Permits, 1980-2021

Relationship	Alaska Peninsula Salmon Purse Seine		Combined Alaska Peninsula		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	55	15.6%	248	17.9%	708	17.5%	7,713	18.7%
Member of Immediate Family	162	46.0%	541	39.0%	1,290	31.9%	13,850	33.6%
Other Relative	10	2.8%	76	5.5%	152	3.8%	1,846	4.5%
Other	125	35.5%	521	37.6%	1,897	46.9%	17,833	43.2%
Total	352		1,386		4,047		41,242	

Table 2-3 shows the relationships between the transferors and transfer recipients for S01M permits and compares S01M permit transfers with all Alaska Peninsula salmon permit types, all statewide salmon seine permits, and all limited entry permits from 1980 to 2021. Transfers within the family, both between immediate family members and other relatives, total 48.8% (172/352) of all permit transfers for S01M permits compared to 44.5% (617/1,386) combined Area M salmon permit types, 35.7% (1,442/4,047) for all salmon seine permits statewide, and 38.1% (15,696/41,242) for all limited entry permits statewide.

⁴ CFEC implemented the transfer survey in 1980.

⁵ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2021*, CFEC Report No. 22-2N.

Emergency Transfers of S01M 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 to the permanent permit holder.

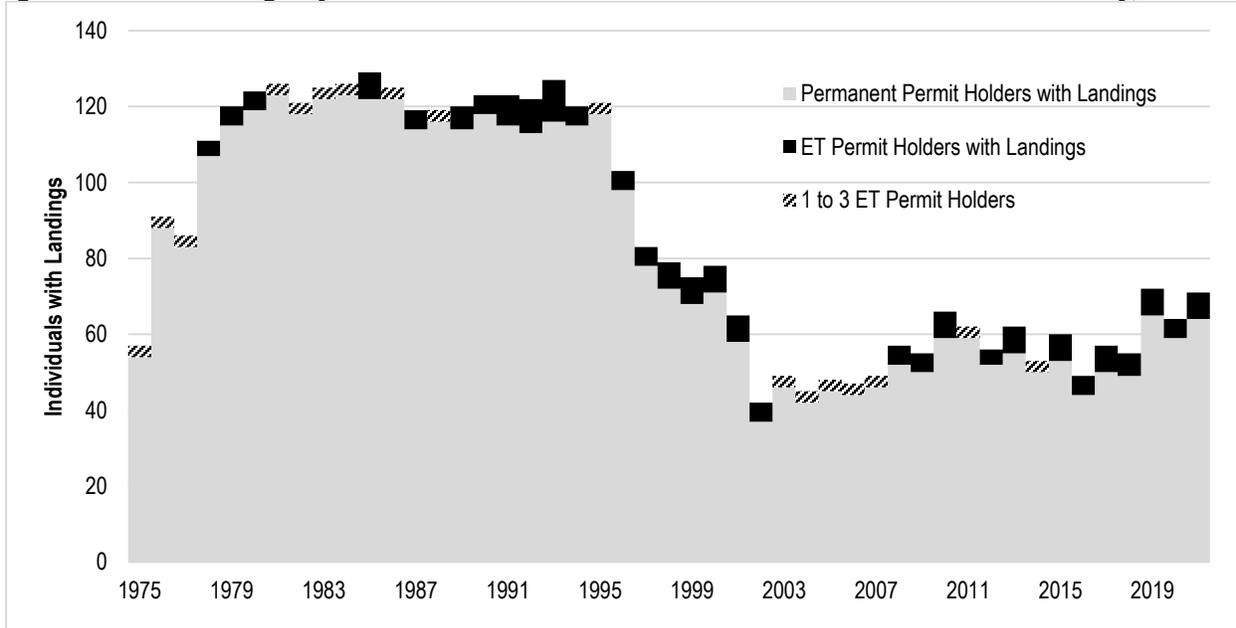
Table 2-4 and Figure 2-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 2-4. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2021

Year	Individuals with Landings	ET Permit Holders with Landings	ET Rate	Year	Individuals with Landings	ET Permit Holders with Landings	ET Rate	Year	Individuals with Landings	ET Permit Holders with Landings	ET Rate
1975	54	1 to 3	-	1991	123	8	6.5%	2007	46	1 to 3	-
1976	88	1 to 3	-	1992	122	9	7.4%	2008	57	5	8.8%
1977	83	1 to 3	-	1993	127	11	8.7%	2009	55	5	9.1%
1978	111	4	3.6%	1994	120	5	4.2%	2010	66	7	10.6%
1979	120	5	4.2%	1995	118	1 to 3	-	2011	59	1 to 3	-
1980	124	5	4.0%	1996	103	5	4.9%	2012	56	4	7.1%
1981	123	1 to 3	-	1997	83	5	6.0%	2013	62	7	11.3%
1982	118	1 to 3	-	1998	79	7	8.9%	2014	50	1 to 3	-
1983	122	1 to 3	-	1999	75	7	9.3%	2015	60	7	11.7%
1984	123	1 to 3	-	2000	78	7	9.0%	2016	49	5	10.2%
1985	129	7	5.4%	2001	65	7	10.8%	2017	57	7	12.3%
1986	122	1 to 3	-	2002	42	5	11.9%	2018	55	6	10.9%
1987	119	5	4.2%	2003	46	1 to 3	-	2019	72	7	9.7%
1988	116	1 to 3	-	2004	42	1 to 3	-	2020	64	5	7.8%
1989	120	6	5.0%	2005	45	1 to 3	-	2021	71	7	9.9%
1990	123	5	4.1%	2006	44	1 to 3	-				

• When fewer than four individuals make landings, figures are masked due to confidentiality.

Figure 2-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2021



Latent S01M Permits

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

Table 2-5 indicates the total number of issued S01M permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Issued 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 2-2.

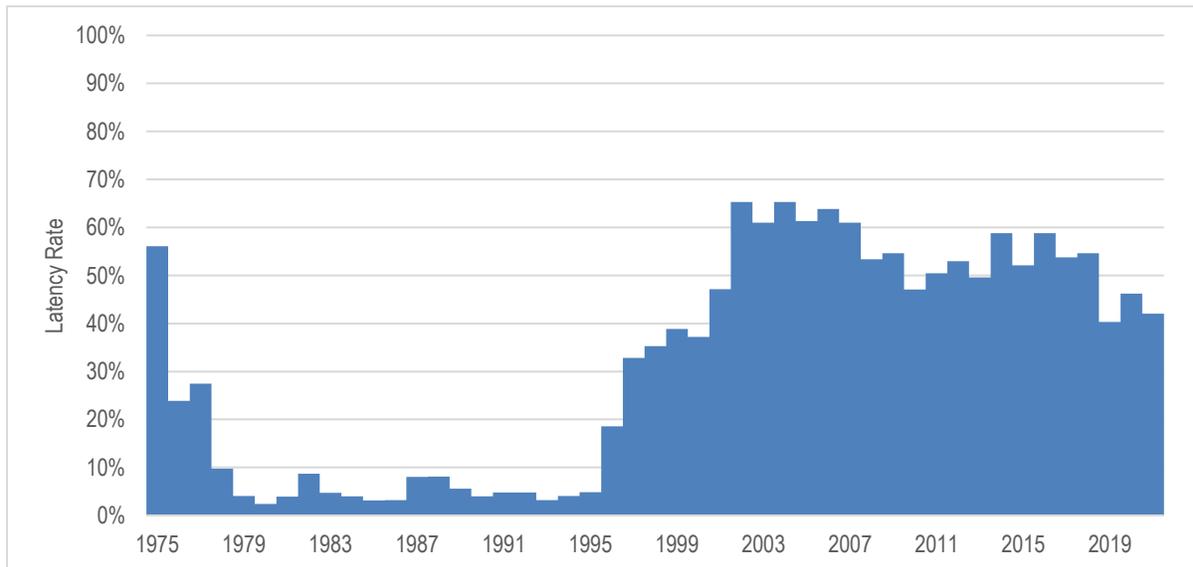
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons.

Table 2-5. Alaska Peninsula Salmon Purse Seine Permit Latency, 1975-2021

Year	Permits		Latency	Year	Permits		Latency	Year	Permits		Latency
	Issued	Fished	Rate		Issued	Fished	Rate		Issued	Fished	Rate
1975	123	54	56.1%	1991	126	120	4.8%	2007	118	46	61.0%
1976	113	86	23.9%	1992	125	119	4.8%	2008	118	55	53.4%
1977	113	82	27.4%	1993	126	122	3.2%	2009	119	54	54.6%
1978	123	111	9.8%	1994	124	119	4.0%	2010	119	63	47.1%
1979	123	118	4.1%	1995	124	118	4.8%	2011	119	59	50.4%
1980	126	123	2.4%	1996	124	101	18.5%	2012	119	56	52.9%
1981	127	122	3.9%	1997	122	82	32.8%	2013	119	60	49.6%
1982	127	116	8.7%	1998	122	79	35.2%	2014	119	49	58.8%
1983	127	121	4.7%	1999	121	74	38.8%	2015	119	57	52.1%
1984	126	121	4.0%	2000	121	76	37.2%	2016	119	49	58.8%
1985	127	123	3.1%	2001	121	64	47.1%	2017	119	55	53.8%
1986	125	121	3.2%	2002	121	42	65.3%	2018	119	54	54.6%
1987	125	115	8.0%	2003	118	46	61.0%	2019	119	71	40.3%
1988	124	114	8.1%	2004	121	42	65.3%	2020	119	64	46.2%
1989	126	119	5.6%	2005	119	46	61.3%	2021	119	69	42.0%
1990	126	121	4.0%	2006	119	43	63.9%				

- 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 2-2. Alaska Peninsula Salmon Purse Seine Permit Latency Rate, 1975-2021



New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S01M 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.

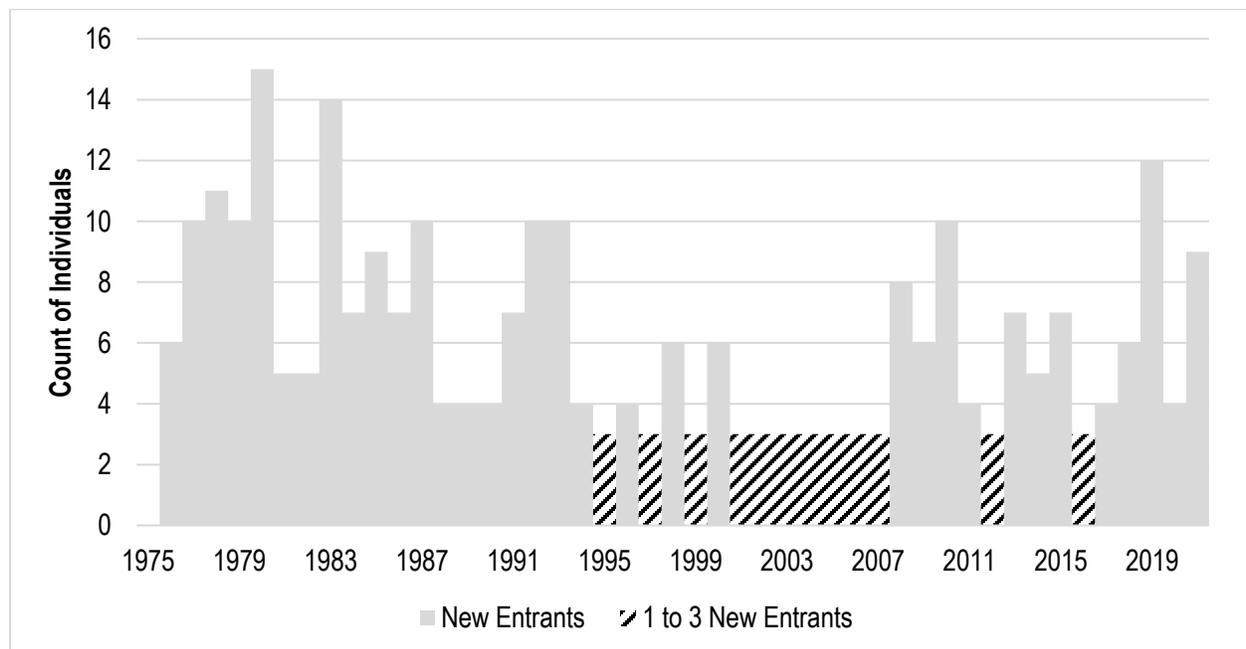
Table 2-6 and Figure 2-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01M permit one year, and then in subsequent years hold a different S01M permit. Likewise, individuals may enter and exit 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 2-6. New Entrants into the Alaskan Peninsula Salmon Purse Seine Fishery, 1975-2021

Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent
1975	51	0	0.0%	1987	115	10	8.7%	1999	75	1 to 3	-	2011	59	4	6.8%
1976	86	6	7.0%	1988	113	4	3.5%	2000	78	6	7.7%	2012	56	1 to 3	-
1977	83	10	12.0%	1989	114	4	3.5%	2001	64	1 to 3	-	2013	62	7	11.3%
1978	103	11	10.7%	1990	118	4	3.4%	2002	41	1 to 3	-	2014	50	5	10.0%
1979	115	10	8.7%	1991	119	7	5.9%	2003	46	1 to 3	-	2015	60	7	11.7%
1980	117	15	12.8%	1992	118	10	8.5%	2004	42	1 to 3	-	2016	49	1 to 3	-
1981	115	5	4.3%	1993	122	10	8.2%	2005	45	1 to 3	-	2017	57	4	7.0%
1982	111	5	4.5%	1994	116	4	3.4%	2006	44	1 to 3	-	2018	55	6	10.9%
1983	115	14	12.2%	1995	115	1 to 3	-	2007	46	1 to 3	-	2019	72	12	16.7%
1984	114	7	6.1%	1996	103	4	3.9%	2008	57	8	14.0%	2020	64	4	6.3%
1985	122	9	7.4%	1997	83	1 to 3	-	2009	55	6	10.9%	2021	71	9	12.7%
1986	117	7	6.0%	1998	79	6	7.6%	2010	66	10	15.2%				

• This table excludes individuals with interim-entry and emergency transfer permits.

Figure 2-3. New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2021



Age of S01M Permit Holders

Table 2-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S01M	Combined Alaska Peninsula Salmon	Statewide Salmon Purse Seine	Statewide All Permits	Mean Alaska Worker Age
1980	40.1	39.2	42.3	38.9	33.4
1981	40.0	38.4	42.4	39.9	33.5
1982	40.5	38.2	42.2	40.0	33.6
1983	39.6	37.7	41.9	40.2	33.7
1984	40.0	38.0	42.1	40.4	33.8
1985	41.5	38.1	42.6	40.8	34.0
1986	41.9	38.6	42.5	41.0	34.2
1987	43.5	39.0	42.5	40.9	34.5
1988	43.7	39.6	42.7	41.2	34.9
1989	44.3	39.8	42.8	41.5	35.3
1990	44.5	40.0	43.2	42.0	35.5
1991	45.2	40.5	43.5	42.5	35.9
1992	45.2	40.9	44.0	42.9	36.2
1993	46.5	42.1	44.6	43.5	36.5
1994	46.9	43.0	45.0	44.0	36.7
1995	47.7	43.5	45.4	44.4	37.0
1996	47.5	43.7	45.8	44.8	37.2
1997	48.6	44.3	46.4	45.1	37.4
1998	48.7	45.2	46.8	45.6	37.6
1999	49.9	45.5	47.2	46.0	37.8
2000	49.8	45.9	47.3	46.4	37.9
2001	50.4	46.4	48.0	46.9	38.1
2002	50.4	47.1	48.5	47.4	38.3
2003	50.9	48.0	49.4	47.9	38.4
2004	51.0	48.8	50.1	48.2	38.6
2005	52.1	48.5	50.6	48.4	38.7
2006	53.6	48.8	51.1	48.7	38.8
2007	54.2	49.6	51.5	48.9	38.9
2008	53.5	49.3	51.1	49.0	39.0
2009	54.0	49.8	51.3	49.3	39.1
2010	53.7	49.6	51.4	49.5	39.2
2011	53.9	50.0	51.3	49.6	39.4
2012	54.7	50.7	51.4	49.8	39.4
2013	54.7	50.6	51.2	50.0	39.5
2014	54.9	50.3	51.0	50.2	39.5
2015	55.7	51.0	51.4	50.6	39.5
2016	56.2	50.9	52.0	50.9	39.6
2017	57.2	51.4	52.4	51.3	39.6
2018	55.8	50.9	52.6	51.7	40.1
2019	55.1	50.4	52.3	51.9	40.1
2020	55.6	50.8	52.8	52.3	40.0
2021	57.0	51.5	53.1	52.6	39.9

- Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- Age data from the CFEC permit file is as of December 31st of each year.

Table 2-7 shows the annual mean age of five different cohorts of people: 1) Alaska Peninsula salmon purse seine (S01M) permit holders; 2) combined Alaska Peninsula salmon permit holders; 3) all statewide salmon purse seine permit holders; 4) all CFEC limited entry permit holders; and 5) the Alaskan working population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits. 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 mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The percent change in ages over the same period for all CFEC permit holders was 13.7 years, and 10.8 years for the statewide salmon purse seine permit holders, and 12.3 years for the combined Alaska Peninsula salmon permit holders.

For S01M permit holders, the mean age increased 16.9 years.

S01M Permit Value

Many permit transfers are non-monetary transactions (see Table 2-2). Table 2-8 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 2-8. CFEC Estimated Value of Alaska Peninsula Salmon Purse Seine Permits

Years	S01M Permit Sales	Nominal Permit Value	Real Permit Value	Real Standard Deviation
1987	2	\$202,500	\$465,500	\$133,600
1988	3	\$174,600	\$425,600	\$35,400
1989	1	\$204,600	\$500,900	\$82,900
1990	2	\$220,100	\$495,100	\$75,500
1991	1	\$232,500	\$487,000	\$61,300
1992	5	\$183,200	\$367,000	\$22,900
1993	1	\$197,500	\$392,600	\$25,000
1994	3	\$193,400	\$361,200	\$45,100
1995	1	\$182,800	\$343,800	\$37,300
1996	2	\$166,000	\$300,200	\$23,200
1997	0	\$166,000	\$300,200	\$23,200
1998	0	\$166,000	\$300,200	\$23,200
1999	2	\$102,100	\$118,900	\$93,600
2000	3	\$53,800	\$89,000	\$10,900
2001	2	\$48,800	\$78,800	\$19,400
2002	1	\$34,500	\$49,400	\$31,200
2003	5	\$14,600	\$22,300	\$1,200
2004	4	\$17,200	\$25,700	\$3,700
2005	2	\$24,000	\$35,000	\$9,100
2006	2	\$31,000	\$44,800	\$9,500
2007	5	\$34,900	\$47,300	\$6,400
2008	18	\$53,900	\$70,400	\$13,100
2009	4	\$73,000	\$95,600	\$3,300
2010	6	\$60,000	\$77,400	\$3,800
2011	5	\$55,800	\$69,700	\$3,300
2012	5	\$65,500	\$80,200	\$7,300
2013	1	\$67,800	\$82,700	\$6,800
2014	3	\$65,900	\$78,600	\$7,400
2015	2	\$56,900	\$65,800	\$9,100
2016	4	\$57,400	\$67,200	\$6,400
2017	4	\$57,800	\$66,300	\$6,300
2018	6	\$97,500	\$109,200	\$31,500
2019	13	\$154,800	\$170,300	\$19,200
2020	2	\$164,200	\$179,600	\$24,400
2021	4	\$136,900	\$142,000	\$21,200

- 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.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Alaska Peninsula Salmon Purse Seine Vessel Characteristics

Table 2-9 reports on various vessel characteristics of the Alaska Peninsula salmon purse seine fleet since 1978. Reported in this table are the age, length, horsepower, hold refrigeration, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category is the count of vessels with the described characteristics; other statistics reported include the 25th percentile, the median, and the 75th percentile.

Table 2-9. Alaska Peninsula Salmon Purse Seine Vessel Characteristics

Year	Vessel count	Age				Length(ft)				Horsepower				Refrigeration			Hold Capacity(ft ³)			
		Count	24%	Median	75%	Count	24%	Median	75%	Count	24%	Median	75%	Considered	Count	%	Count	24%	Median	75%
1978	109	97	4	9	16	106	28	32	38	101	120	165	220	91	5	5.5%	40	160	500	1,668
1979	121	116	3	7	17	118	29	35	47	108	130	170	236	104	10	9.6%	48	233	700	1,738
1980	133	125	2	7	15	128	31	37	49	115	135	200	300	115	17	14.8%	60	390	1,200	1,900
1981	130	128	2	6	12	130	32	40	49	118	165	230	330	114	20	17.5%	63	475	1,200	2,000
1982	131	126	3	7	16	127	34	42	49	118	165	228	315	113	22	19.5%	62	512	1,200	2,000
1983	123	115	3	5	12	116	37	46	49	112	188	273	360	106	28	26.4%	64	650	1,200	1,768
1984	123	118	4	6	12	119	37	47	49	116	195	276	360	108	28	25.9%	72	650	1,200	2,000
1985	129	126	5	7	13	127	38	47	49	123	195	280	365	114	32	28.1%	76	700	1,200	1,875
1986	125	122	5	7	11	123	38	47	49	121	200	290	365	110	37	33.6%	74	750	1,200	1,950
1987	125	123	7	9	15	124	36	44	49	123	195	275	365	112	33	29.5%	77	600	1,200	1,735
1988	125	123	8	10	16	125	37	44	49	123	200	280	365	111	31	27.9%	80	556	1,050	1,740
1989	122	121	9	11	17	122	38	48	49	121	230	310	365	111	36	32.4%	78	700	1,150	1,740
1990	126	125	9	11	16	126	41	49	49	125	240	320	365	115	42	36.5%	82	780	1,200	1,740
1991	122	121	9	12	16	122	42	49	49	121	250	340	365	111	48	43.2%	83	800	1,200	2,000
1992	123	121	10	13	17	122	44	49	49	122	265	350	400	112	53	47.3%	83	840	1,200	2,000
1993	124	123	10	13	17	124	46	49	50	123	280	365	440	113	59	52.2%	89	900	1,200	2,000
1994	128	127	11	14	18	128	44	49	50	124	280	360	450	117	61	52.1%	85	900	1,200	2,000
1995	124	123	13	15	19	124	44	49	50	121	290	360	443	117	63	53.8%	87	900	1,200	2,000
1996	102	102	13	16	18	102	46	53	58	98	300	365	440	96	56	58.3%	73	1,000	1,300	2,000
1997	84	84	14	17	21	84	47	53	58	83	300	360	440	78	48	61.5%	59	900	1,300	2,000
1998	83	83	16	18	22	83	44	52	58	80	270	350	413	81	49	60.5%	56	825	1,200	1,900
1999	74	74	17	19	24	74	47	53	58	73	290	350	400	72	45	62.5%	54	850	1,200	2,000
2000	77	77	17	20	24	77	47	54	58	76	300	353	423	75	49	65.3%	56	860	1,200	1,975
2001	65	65	18	21	24	65	46	52	58	64	295	360	428	61	37	60.7%	47	800	1,200	1,735
2002	45	45	19	22	25	45	46	52	58	45	290	350	400	43	27	62.8%	33	800	1,000	1,600
2003	48	48	22	24	27	48	47	53	58	48	300	358	410	47	33	70.2%	36	885	1,150	2,000
2004	41	41	22	24	28	41	49	53	58	40	300	360	410	40	31	77.5%	33	900	1,200	1,735
2005	45	45	20	25	29	45	48	54	58	45	320	365	465	44	34	77.3%	31	900	1,200	2,200
2006	44	44	22	26	30	44	48	55	58	44	323	365	453	43	33	76.7%	32	885	1,250	2,100
2007	45	45	23	27	30	45	47	54	58	45	320	365	480	44	34	77.3%	32	800	1,150	2,100
2008	53	53	23	28	31	53	46	54	58	53	310	365	450	51	40	78.4%	37	870	1,200	2,000
2009	58	57	23	29	32	57	46	55	58	56	323	363	450	55	44	80.0%	41	800	1,300	2,000
2010	63	63	25	30	34	63	48	57	58	62	318	358	465	61	51	83.6%	46	870	1,350	2,200
2011	58	58	28	31	35	58	46	54	58	58	310	365	440	56	43	76.8%	39	850	1,300	2,000
2012	53	53	29	32	35	53	48	55	58	52	328	365	450	51	44	86.3%	38	900	1,350	2,200
2013	60	60	30	33	37	60	47	53	58	60	300	365	450	58	44	75.9%	43	870	1,200	2,000
2014	53	53	29	34	37	53	48	55	58	52	305	365	458	50	41	82.0%	37	850	1,300	2,000
2015	56	56	31	35	40	56	50	58	58	55	325	365	450	53	45	84.9%	39	870	1,400	2,000
2016	48	48	32	36	41	48	51	58	58	47	330	365	450	45	42	93.3%	37	1,000	1,400	2,000
2017	52	52	33	37	42	52	48	57	58	51	325	375	465	49	42	85.7%	36	1,000	1,500	2,200
2018	52	52	34	38	43	52	51	58	58	51	325	365	465	49	45	91.8%	37	1,000	1,600	2,200
2019	68	68	32	39	42	68	51	58	58	67	330	365	500	65	59	90.8%	50	1,000	1,650	2,200
2020	59	59	33	40	43	59	51	58	58	58	340	400	500	56	53	94.6%	45	1,000	1,735	2,200
2021	64	64	34	41	46	64	52	58	58	63	330	400	500	61	57	93.4%	49	1,000	1,600	2,200
Total	475	.	.	.	.	458	33	46	54	436	173	300	378	416	171	41.1%	260	478	1,000	1,910

• Totals includes every vessel from 1978 to 2021.

Table 2-10 provides additional Alaska Peninsula salmon purse seine vessel characteristics. Included are statistics of engine propulsion and hull material for each year since 1978.

Table 2-10. Additional Alaska Peninsula Salmon Purse Seine Vessel Characteristics

Year	Vessel count	Count	Engine Power				Count	Hull Material									
			Diesel		Gas			Aluminum		Fiberglass		Concrete		Steel		Wood	
1978	109	104	69	66.3%	35	33.7%	106	0	0.0%	20	18.9%	0	0.0%	8	7.5%	78	73.6%
1979	121	115	86	74.8%	29	25.2%	118	0	0.0%	39	33.1%	0	0.0%	12	10.2%	67	56.8%
1980	133	124	100	80.6%	24	19.4%	129	1	0.8%	52	40.3%	0	0.0%	17	13.2%	59	45.7%
1981	130	129	111	86.0%	18	14.0%	127	0	0.0%	64	50.4%	0	0.0%	16	12.6%	47	37.0%
1982	131	126	112	88.9%	14	11.1%	124	1	0.8%	58	46.8%	0	0.0%	18	14.5%	47	37.9%
1983	123	115	105	91.3%	10	8.7%	113	0	0.0%	62	54.9%	0	0.0%	22	19.5%	29	25.7%
1984	123	119	107	89.9%	12	10.1%	118	0	0.0%	64	54.2%	0	0.0%	23	19.5%	31	26.3%
1985	129	127	115	90.6%	12	9.4%	126	2	1.6%	69	54.8%	0	0.0%	25	19.8%	30	23.8%
1986	125	123	108	87.8%	15	12.2%	121	4	3.3%	71	58.7%	0	0.0%	22	18.2%	24	19.8%
1987	125	124	109	87.9%	15	12.1%	123	5	4.1%	67	54.5%	0	0.0%	22	17.9%	29	23.6%
1988	125	125	111	88.8%	14	11.2%	124	3	2.4%	70	56.5%	0	0.0%	20	16.1%	31	25.0%
1989	122	122	111	91.0%	11	9.0%	122	0	0.0%	71	58.2%	0	0.0%	23	18.9%	28	23.0%
1990	126	126	115	91.3%	11	8.7%	126	1	0.8%	76	60.3%	0	0.0%	26	20.6%	23	18.3%
1991	122	122	114	93.4%	8	6.6%	122	2	1.6%	73	59.8%	0	0.0%	25	20.5%	22	18.0%
1992	123	122	116	95.1%	6	4.9%	122	1	0.8%	76	62.3%	0	0.0%	25	20.5%	20	16.4%
1993	124	124	119	96.0%	5	4.0%	124	1	0.8%	78	62.9%	0	0.0%	27	21.8%	18	14.5%
1994	128	128	123	96.1%	5	3.9%	128	2	1.6%	85	66.4%	0	0.0%	23	18.0%	18	14.1%
1995	124	124	120	96.8%	4	3.2%	124	2	1.6%	81	65.3%	0	0.0%	25	20.2%	16	12.9%
1996	102	102	99	97.1%	3	2.9%	102	0	0.0%	71	69.6%	0	0.0%	20	19.6%	11	10.8%
1997	84	84	81	96.4%	3	3.6%	83	0	0.0%	56	67.5%	0	0.0%	17	20.5%	10	12.0%
1998	83	83	81	97.6%	2	2.4%	83	1	1.2%	58	69.9%	0	0.0%	15	18.1%	9	10.8%
1999	74	74	73	98.6%	1	1.4%	74	0	0.0%	51	68.9%	0	0.0%	15	20.3%	8	10.8%
2000	77	77	76	98.7%	1	1.3%	77	0	0.0%	52	67.5%	0	0.0%	18	23.4%	7	9.1%
2001	65	65	64	98.5%	1	1.5%	65	0	0.0%	49	75.4%	0	0.0%	10	15.4%	6	9.2%
2002	45	45	42	93.3%	3	6.7%	45	1	2.2%	31	68.9%	0	0.0%	8	17.8%	5	11.1%
2003	48	48	47	97.9%	1	2.1%	48	0	0.0%	34	70.8%	0	0.0%	10	20.8%	4	8.3%
2004	41	41	40	97.6%	1	2.4%	41	0	0.0%	28	68.3%	0	0.0%	9	22.0%	4	9.8%
2005	45	45	43	95.6%	2	4.4%	45	2	4.4%	27	60.0%	0	0.0%	12	26.7%	4	8.9%
2006	44	44	42	95.5%	2	4.5%	44	1	2.3%	29	65.9%	0	0.0%	11	25.0%	3	6.8%
2007	45	45	43	95.6%	2	4.4%	45	1	2.2%	30	66.7%	0	0.0%	11	24.4%	3	6.7%
2008	53	53	52	98.1%	1	1.9%	53	1	1.9%	36	67.9%	0	0.0%	13	24.5%	3	5.7%
2009	58	57	56	98.2%	1	1.8%	57	2	3.5%	35	61.4%	0	0.0%	17	29.8%	3	5.3%
2010	63	63	62	98.4%	1	1.6%	63	0	0.0%	38	60.3%	0	0.0%	21	33.3%	4	6.3%
2011	58	58	57	98.3%	1	1.7%	58	1	1.7%	39	67.2%	0	0.0%	15	25.9%	3	5.2%
2012	53	53	53	100.0%	0	0.0%	53	0	0.0%	36	67.9%	0	0.0%	15	28.3%	2	3.8%
2013	60	60	60	100.0%	0	0.0%	60	0	0.0%	43	71.7%	0	0.0%	14	23.3%	3	5.0%
2014	53	53	53	100.0%	0	0.0%	52	0	0.0%	36	69.2%	0	0.0%	14	26.9%	2	3.8%
2015	56	56	56	100.0%	0	0.0%	55	0	0.0%	36	65.5%	0	0.0%	15	27.3%	4	7.3%
2016	48	48	48	100.0%	0	0.0%	47	0	0.0%	29	61.7%	0	0.0%	15	31.9%	3	6.4%
2017	52	52	52	100.0%	0	0.0%	51	0	0.0%	33	64.7%	0	0.0%	15	29.4%	3	5.9%
2018	52	52	52	100.0%	0	0.0%	51	0	0.0%	29	56.9%	0	0.0%	19	37.3%	3	5.9%
2019	68	68	68	100.0%	0	0.0%	67	0	0.0%	40	59.7%	0	0.0%	24	35.8%	3	4.5%
2020	59	59	59	100.0%	0	0.0%	58	1	1.7%	31	53.4%	0	0.0%	23	39.7%	3	5.2%
2021	64	64	64	100.0%	0	0.0%	63	1	1.6%	34	54.0%	0	0.0%	25	39.7%	3	4.8%
Total	475	455	392	86.2%	63	13.8%	454	19	4.2%	232	51.1%	0	0.0%	75	16.5%	128	28.2%

- Totals includes every vessel from 1978 to 2021.

Participation and Earnings

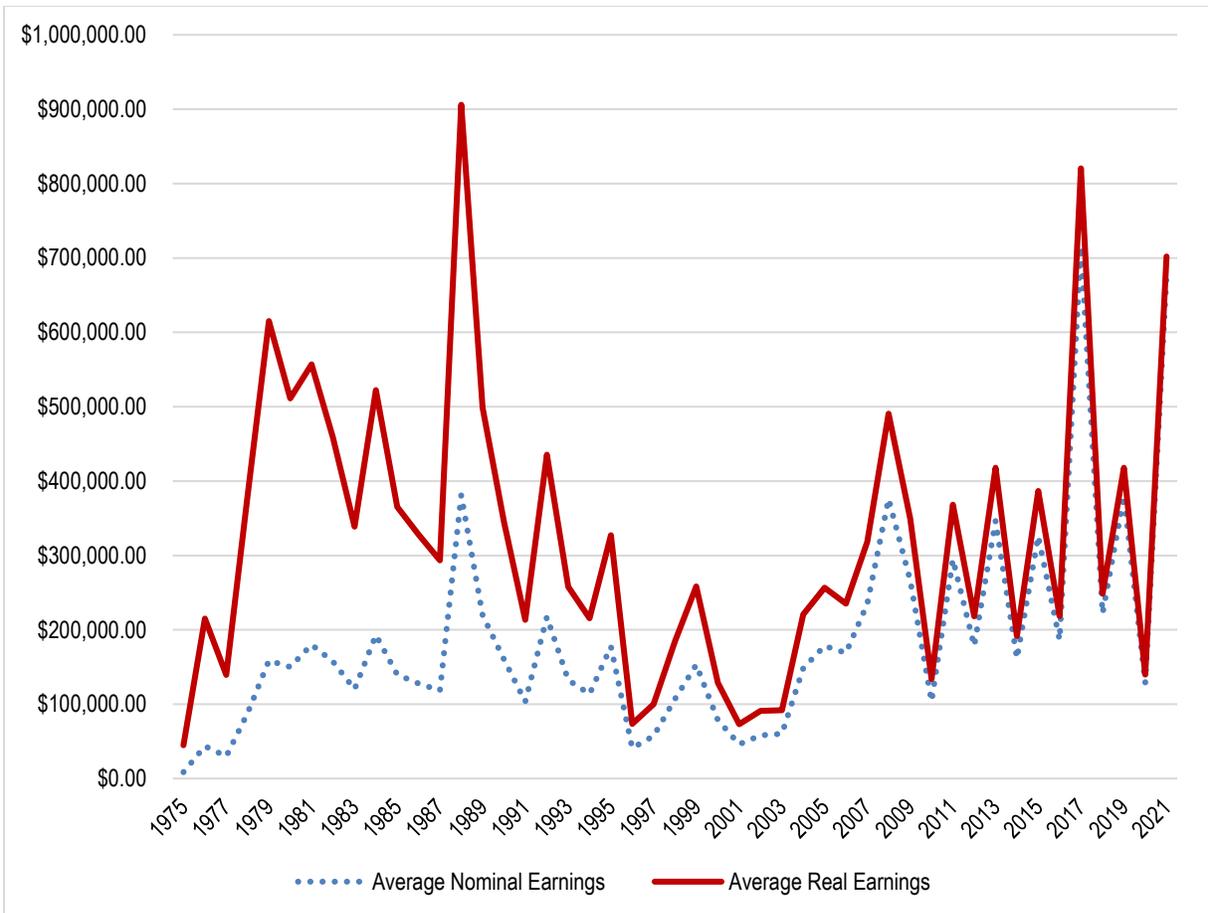
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, come primarily from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 2-4 reflect both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of 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 in the Alaska Peninsula salmon purses seine fishery was in 2004. 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 2-11 reports the number of permits issued, and estimated gross earnings in the Alaska Peninsula salmon purse seine fishery from 1975 to 2021. 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 2-12 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type.

Figure 2-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Purse Seine Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 2-11. Estimated Total Gross Earnings (Real and Nominal) for the Alaska Peninsula Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits with Landings	Average Nominal Earnings		Vessels with Landings	Average Real Vessel Earnings
		Nominal	Real		Average Nominal Earnings	Average Real Earnings		
1975	123	\$462,882	\$2,418,177	54	\$8,572	\$44,781	60	\$40,303
1976	113	\$3,742,997	\$18,491,778	86	\$43,523	\$215,021	108	\$171,220
1977	113	\$2,463,393	\$11,427,110	82	\$30,041	\$139,355	86	\$132,873
1978	123	\$9,793,597	\$42,209,254	111	\$88,231	\$380,264	109	\$387,241
1979	123	\$18,740,706	\$72,599,547	118	\$158,820	\$615,250	121	\$599,996
1980	126	\$18,433,550	\$62,888,734	123	\$149,866	\$511,291	133	\$472,848
1981	127	\$21,974,046	\$67,945,659	122	\$180,115	\$556,932	130	\$522,659
1982	127	\$18,253,544	\$53,180,801	116	\$157,358	\$458,455	131	\$405,960
1983	127	\$14,514,217	\$40,970,313	121	\$119,952	\$338,598	123	\$333,092
1984	126	\$23,346,723	\$63,185,154	121	\$192,948	\$522,191	123	\$513,700
1985	127	\$17,193,163	\$44,937,930	123	\$139,782	\$365,349	129	\$348,356
1986	125	\$15,470,130	\$39,681,253	121	\$127,852	\$327,944	125	\$317,450
1987	125	\$13,634,984	\$33,737,719	115	\$118,565	\$293,371	125	\$269,902
1988	124	\$43,446,475	\$103,289,883	114	\$381,109	\$906,052	125	\$826,319
1989	126	\$26,173,328	\$59,359,335	119	\$219,944	\$498,818	122	\$486,552
1990	126	\$19,425,259	\$41,798,885	121	\$160,539	\$345,445	126	\$331,737
1991	126	\$12,412,912	\$25,624,661	120	\$103,441	\$213,539	122	\$210,038
1992	125	\$25,851,950	\$51,798,722	119	\$217,243	\$435,283	123	\$421,128
1993	126	\$16,155,304	\$31,441,809	122	\$132,421	\$257,720	124	\$253,563
1994	124	\$13,522,327	\$25,648,677	119	\$113,633	\$215,535	128	\$200,380
1995	124	\$20,927,345	\$38,611,055	118	\$177,350	\$327,212	124	\$311,379
1996	124	\$4,139,174	\$7,419,321	101	\$40,982	\$73,459	102	\$72,738
1997	122	\$4,677,464	\$8,192,667	82	\$57,042	\$99,911	84	\$97,532
1998	122	\$8,448,356	\$14,571,271	79	\$106,941	\$184,446	83	\$175,557
1999	121	\$11,325,415	\$19,115,220	74	\$153,046	\$258,314	74	\$258,314
2000	121	\$5,988,400	\$9,777,159	76	\$78,795	\$128,647	77	\$126,976
2001	121	\$2,942,906	\$4,672,771	64	\$45,983	\$73,012	65	\$71,889
2002	121	\$2,440,835	\$3,815,072	42	\$58,115	\$90,835	45	\$84,779
2003	118	\$2,768,854	\$4,231,707	46	\$60,192	\$91,994	48	\$88,161
2004	121	\$6,231,259	\$9,275,069	42	\$148,363	\$220,835	41	\$226,221
2005	119	\$8,198,909	\$11,803,406	46	\$178,237	\$256,596	45	\$262,298
2006	119	\$7,257,934	\$10,122,212	43	\$168,789	\$235,400	44	\$230,050
2007	118	\$10,796,933	\$14,640,208	46	\$234,716	\$318,265	45	\$325,338
2008	118	\$20,666,856	\$26,987,356	55	\$375,761	\$490,679	53	\$509,195
2009	119	\$14,397,480	\$18,867,714	54	\$266,620	\$349,402	58	\$325,305
2010	119	\$6,536,660	\$8,427,986	63	\$103,757	\$133,778	63	\$133,778
2011	119	\$17,378,750	\$21,721,431	59	\$294,555	\$368,160	58	\$374,507
2012	119	\$9,977,673	\$12,218,106	56	\$178,173	\$218,180	53	\$230,530
2013	119	\$20,785,242	\$25,085,004	60	\$346,421	\$418,083	60	\$418,083
2014	119	\$7,909,310	\$9,393,101	49	\$161,414	\$191,696	53	\$177,228
2015	119	\$18,581,042	\$22,040,709	57	\$325,983	\$386,679	56	\$393,584
2016	119	\$9,134,075	\$10,699,793	49	\$186,410	\$218,363	48	\$222,912
2017	119	\$39,340,702	\$45,123,118	55	\$715,285	\$820,420	52	\$867,752
2018	119	\$11,994,084	\$13,428,996	54	\$222,113	\$248,685	52	\$258,250
2019	119	\$26,990,477	\$29,681,589	71	\$380,148	\$418,051	68	\$436,494
2020	119	\$8,247,666	\$8,959,486	64	\$128,870	\$139,992	59	\$151,856
2021	119	\$46,692,764	\$48,446,652	69	\$676,707	\$702,125	64	\$756,979

- Adjusted for inflation to 2022 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.

Table 2-12. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Purse Seine Fishery by Resident Type, 1975-2021

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	44	\$41,099	\$1,808,358	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	54	\$44,781	\$2,418,177
1976	76	\$210,180	\$15,973,665	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	88	\$210,134	\$18,491,778
1977	74	\$138,889	\$10,277,772	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	83	\$137,676	\$11,427,110
1978	98	\$366,490	\$35,916,065	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	111	\$380,264	\$42,209,254
1979	106	\$530,343	\$56,216,381	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	120	\$604,996	\$72,599,547
1980	100	\$454,479	\$45,447,909	4	\$525,188	\$2,100,752	20	\$767,004	\$15,340,073	124	\$507,167	\$62,888,734
1981	99	\$510,766	\$50,565,855	5	\$455,766	\$2,278,831	19	\$794,788	\$15,100,973	123	\$552,404	\$67,945,659
1982	94	\$420,568	\$39,533,373	4	\$457,123	\$1,828,492	20	\$590,947	\$11,818,936	118	\$450,685	\$53,180,801
1983	95	\$303,716	\$28,853,055	8	\$414,796	\$3,318,366	19	\$463,100	\$8,798,891	122	\$335,822	\$40,970,313
1984	94	\$491,261	\$46,178,502	11	\$561,794	\$6,179,734	18	\$601,495	\$10,826,917	123	\$513,700	\$63,185,154
1985	96	\$334,678	\$32,129,051	10	\$354,556	\$3,545,557	23	\$402,753	\$9,263,322	129	\$348,356	\$44,937,930
1986	92	\$314,262	\$28,912,087	9	\$305,943	\$2,753,489	21	\$381,699	\$8,015,677	122	\$325,256	\$39,681,253
1987	92	\$266,548	\$24,522,385	4	\$200,575	\$802,298	23	\$365,784	\$8,413,037	119	\$283,510	\$33,737,719
1988	88	\$828,270	\$72,887,770	5	\$805,798	\$4,028,988	23	\$1,146,658	\$26,373,126	116	\$890,430	\$103,289,883
1989	85	\$465,508	\$39,568,178	7	\$339,631	\$2,377,417	28	\$621,919	\$17,413,740	120	\$494,661	\$59,359,335
1990	87	\$303,746	\$26,425,916	6	\$317,330	\$1,903,982	30	\$448,966	\$13,468,987	123	\$339,828	\$41,798,885
1991	90	\$199,256	\$17,933,015	6	\$257,467	\$1,544,800	27	\$227,661	\$6,146,846	123	\$208,331	\$25,624,661
1992	85	\$409,535	\$34,810,514	6	\$414,787	\$2,488,724	31	\$467,725	\$14,499,484	122	\$424,580	\$51,798,722
1993	88	\$249,852	\$21,986,950	4	\$305,362	\$1,221,447	35	\$235,240	\$8,233,413	127	\$247,573	\$31,441,809
1994	87	\$204,743	\$17,812,628	5	\$203,503	\$1,017,517	28	\$243,519	\$6,818,532	120	\$213,739	\$25,648,677
1995	83	\$314,921	\$26,138,425	6	\$268,941	\$1,613,646	29	\$374,448	\$10,858,984	118	\$327,212	\$38,611,055
1996	78	\$72,293	\$5,638,852	4	\$51,870	\$207,480	21	\$74,904	\$1,572,988	103	\$72,032	\$7,419,321
1997	64	\$102,262	\$6,544,788	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	83	\$98,707	\$8,192,667
1998	65	\$177,144	\$11,514,328	4	\$128,878	\$515,512	10	\$254,143	\$2,541,431	79	\$184,446	\$14,571,271
1999	60	\$254,881	\$15,292,870	5	\$209,500	\$1,047,500	10	\$277,485	\$2,774,850	75	\$254,870	\$19,115,220
2000	58	\$121,419	\$7,042,313	5	\$101,605	\$508,026	15	\$148,455	\$2,226,820	78	\$125,348	\$9,777,159
2001	59	\$67,756	\$3,997,594	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	65	\$71,889	\$4,672,771
2002	37	\$90,282	\$3,340,452	Confidential	Confidential	Confidential	1 to 3	Confidential	Confidential	42	\$90,835	\$3,815,072
2003	39	\$92,485	\$3,606,926	Confidential	Confidential	Confidential	1 to 3	Confidential	Confidential	46	\$91,994	\$4,231,707
2004	33	\$218,784	\$7,219,869	4	\$180,777	\$723,107	5	\$266,418	\$1,332,092	42	\$220,835	\$9,275,069
2005	34	\$265,237	\$9,018,063	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	45	\$262,298	\$11,803,406
2006	33	\$205,834	\$6,792,509	4	\$224,018	\$896,073	7	\$347,661	\$2,433,630	44	\$230,050	\$10,122,212
2007	35	\$304,524	\$10,658,347	1 to 3	Confidential	Confidential	Confidential	Confidential	Confidential	46	\$318,265	\$14,640,208
2008	41	\$437,211	\$17,925,645	7	\$527,242	\$3,690,693	9	\$596,780	\$5,371,017	57	\$473,462	\$26,987,356
2009	39	\$326,342	\$12,727,341	4	\$423,745	\$1,694,979	12	\$370,450	\$4,445,394	55	\$343,049	\$18,867,714
2010	41	\$114,994	\$4,714,758	4	\$199,683	\$798,731	21	\$138,786	\$2,914,498	66	\$127,697	\$8,427,986
2011	43	\$335,084	\$14,408,628	7	\$369,939	\$2,589,571	9	\$524,804	\$4,723,232	59	\$368,160	\$21,721,431
2012	40	\$209,932	\$8,397,285	8	\$199,090	\$1,592,718	8	\$278,513	\$2,228,104	56	\$218,180	\$12,218,106
2013	45	\$334,265	\$15,041,934	7	\$552,542	\$3,867,797	10	\$617,527	\$6,175,273	62	\$404,597	\$25,085,004
2014	37	\$160,761	\$5,948,160	7	\$274,228	\$1,919,593	6	\$254,225	\$1,525,348	50	\$187,862	\$9,393,101
2015	43	\$312,516	\$13,438,179	7	\$588,180	\$4,117,263	10	\$448,527	\$4,485,268	60	\$367,345	\$22,040,709
2016	32	\$186,141	\$5,956,510	8	\$299,326	\$2,394,606	9	\$260,964	\$2,348,676	49	\$218,363	\$10,699,793
2017	37	\$748,478	\$27,693,684	8	\$1,060,099	\$8,480,795	12	\$745,720	\$8,948,639	57	\$791,634	\$45,123,118
2018	34	\$212,636	\$7,229,641	9	\$379,912	\$3,419,209	12	\$231,679	\$2,780,146	55	\$244,164	\$13,428,996
2019	39	\$315,832	\$12,317,447	15	\$689,787	\$10,346,798	18	\$389,852	\$7,017,344	72	\$412,244	\$29,681,589
2020	34	\$102,482	\$3,484,374	12	\$221,751	\$2,661,012	18	\$156,339	\$2,814,100	64	\$139,992	\$8,959,486
2021	37	\$511,961	\$18,942,570	16	\$894,473	\$14,311,571	18	\$844,028	\$15,192,510	71	\$682,347	\$48,446,652

- Adjusted for inflation to 2022 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.

Alaska Peninsula Salmon Purse Seine (S01M)

Table 2-13. Gross Real Earnings for the Alaska Peninsula Salmon Purse Seine Fishery by ADF&G Salmon District, 1975-2021

Year	Southeastern		Southcentral		Southwestern		Unimak		Akutan		Northwestern		Northern		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
1975	13	\$911,968	38	\$567,903	18	\$749,454	0	\$0	4	\$116,266	8	\$72,586	0	\$0	54	\$2,418,177
1976	46	\$4,181,898	83	\$12,529,756	21	\$1,069,412	0	\$0	0	\$0	Confidential	Confidential	1 to 3	Confidential	86	\$18,491,778
1977	24	\$1,660,268	76	\$7,373,957	15	\$743,592	0	\$0	0	\$0	Confidential	Confidential	1 to 3	Confidential	82	\$11,427,110
1978	53	\$13,070,109	90	\$21,627,653	22	\$1,973,192	0	\$0	Confidential	Confidential	19	\$5,288,948	1 to 3	Confidential	111	\$42,209,254
1979	66	\$30,381,847	92	\$24,833,864	18	\$11,816,878	0	\$0	Confidential	Confidential	13	\$2,373,368	1 to 3	Confidential	118	\$72,599,547
1980	67	\$15,555,134	93	\$16,283,860	54	\$18,151,033	0	\$0	28	\$8,275,937	15	\$4,147,369	10	\$475,401	123	\$62,888,734
1981	69	\$23,775,457	101	\$20,431,001	77	\$16,694,900	0	\$0	16	\$1,465,532	19	\$4,813,906	7	\$764,862	122	\$67,945,659
1982	69	\$20,460,367	87	\$10,246,049	78	\$18,739,839	0	\$0	15	\$2,144,869	8	\$1,341,330	5	\$248,348	116	\$53,180,801
1983	70	\$14,700,399	104	\$8,258,323	95	\$16,137,546	0	\$0	1 to 3	Confidential	14	\$1,387,222	Confidential	Confidential	121	\$40,970,313
1984	84	\$14,578,324	111	\$26,697,623	80	\$11,822,154	0	\$0	19	\$5,044,813	37	\$4,617,126	6	\$425,113	121	\$63,185,154
1985	79	\$14,160,119	98	\$9,813,124	98	\$15,817,647	0	\$0	1 to 3	Confidential	Confidential	Confidential	26	\$2,156,732	123	\$44,937,930
1986	69	\$20,449,302	87	\$10,156,491	73	\$4,458,553	0	\$0	9	\$356,228	21	\$3,269,402	24	\$991,277	121	\$39,681,253
1987	76	\$16,514,024	89	\$5,577,243	76	\$7,114,424	0	\$0	1 to 3	Confidential	20	\$4,447,799	Confidential	Confidential	115	\$33,737,719
1988	76	\$60,815,242	93	\$27,031,588	56	\$8,211,481	0	\$0	1 to 3	Confidential	14	\$4,784,114	Confidential	Confidential	114	\$103,289,883
1989	87	\$29,655,878	108	\$11,619,575	98	\$17,094,799	0	\$0	1 to 3	Confidential	11	\$708,024	Confidential	Confidential	119	\$59,359,335
1990	85	\$18,039,345	107	\$7,066,799	95	\$12,922,170	0	\$0	15	\$724,326	13	\$1,930,323	20	\$1,115,921	121	\$41,798,885
1991	86	\$9,456,748	86	\$3,646,074	71	\$4,321,165	80	\$6,449,993	1 to 3	Confidential	9	\$1,611,232	Confidential	Confidential	120	\$25,624,661
1992	80	\$15,492,432	90	\$5,605,197	102	\$15,244,131	79	\$12,428,762	4	\$348,674	11	\$1,149,100	26	\$1,530,427	119	\$51,798,722
1993	71	\$12,411,933	73	\$2,098,713	77	\$4,910,240	79	\$10,667,586	0	\$0	8	\$514,838	36	\$838,499	122	\$31,441,809
1994	78	\$8,250,539	76	\$2,890,251	106	\$8,087,409	73	\$4,884,603	10	\$797,845	8	\$539,149	17	\$198,881	119	\$25,648,677
1995	78	\$19,042,814	69	\$5,390,227	73	\$7,978,844	65	\$5,729,099	0	\$0	7	\$332,656	12	\$137,415	118	\$38,611,055
1996	64	\$5,140,418	25	\$368,651	57	\$778,613	35	\$736,378	0	\$0	4	\$359,173	9	\$36,087	101	\$7,419,321
1997	51	\$4,559,537	40	\$711,090	48	\$2,243,051	30	\$474,940	0	\$0	Confidential	Confidential	1 to 3	Confidential	82	\$8,192,667
1998	49	\$7,643,219	51	\$3,069,014	46	\$3,303,392	6	\$324,031	0	\$0	4	\$231,614	0	\$0	79	\$14,571,271
1999	48	\$10,355,381	46	\$2,509,371	54	\$4,991,777	26	\$530,588	0	\$0	7	\$728,103	0	\$0	74	\$19,115,220
2000	47	\$5,538,137	42	\$977,549	61	\$1,974,462	36	\$478,275	1 to 3	Confidential	Confidential	Confidential	0	\$0	76	\$9,777,159
2001	38	\$2,109,997	28	\$666,969	31	\$1,516,743	Confidential	Confidential	0	\$0	7	\$352,139	1 to 3	Confidential	64	\$4,672,771
2002	23	\$1,991,936	15	\$322,990	22	\$1,212,282	6	\$28,848	0	\$0	7	\$259,016	0	\$0	42	\$3,815,072
2003	27	\$1,646,815	16	\$839,457	21	\$1,402,880	10	\$72,104	0	\$0	6	\$270,452	0	\$0	46	\$4,231,707
2004	26	\$6,085,792	12	\$1,246,403	19	\$1,434,595	5	\$38,807	0	\$0	6	\$469,473	0	\$0	42	\$9,275,069
2005	31	\$7,395,826	14	\$1,587,628	17	\$2,128,723	1 to 3	\$5,033	0	\$0	7	\$686,196	0	\$0	46	\$11,803,406
2006	28	\$6,364,135	15	\$892,237	15	\$1,760,252	0	\$0	1 to 3	Confidential	6	\$404,895	1 to 3	Confidential	43	\$10,122,212
2007	31	\$8,922,847	12	\$1,445,647	18	\$2,550,348	15	\$471,532	1 to 3	Confidential	6	\$499,893	0	\$0	46	\$14,640,208
2008	39	\$13,846,066	22	\$3,413,423	23	\$5,334,316	15	\$2,498,049	4	\$1,122,542	1 to 3	Confidential	1 to 3	Confidential	55	\$26,987,356
2009	36	\$10,195,025	24	\$999,679	25	\$3,874,425	16	\$1,558,530	6	\$1,608,724	6	\$631,330	0	\$0	54	\$18,867,714
2010	44	\$5,171,200	10	\$242,711	28	\$1,044,116	19	\$993,957	9	\$51,319	Confidential	Confidential	1 to 3	Confidential	63	\$8,427,986
2011	42	\$12,675,881	26	\$1,736,763	24	\$1,118,109	26	\$4,136,361	8	\$1,041,649	5	\$1,012,669	0	\$0	59	\$21,721,431
2012	41	\$8,090,041	12	\$80,286	25	\$762,038	21	\$1,956,638	9	\$248,467	6	\$1,080,636	0	\$0	56	\$12,218,106
2013	52	\$16,506,411	39	\$4,074,346	22	\$1,592,173	19	\$2,373,793	0	\$0	Confidential	Confidential	1 to 3	Confidential	60	\$25,085,004

-continued-

Alaska Peninsula Salmon Purse Seine (S01M)

-Table 2-13 continued-

Year	Southeastern		Southcentral		Southwestern		Unimak		Akutan		Northwestern		Northern		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
2014	41	\$4,818,109	17	\$713,768	20	\$1,531,405	18	\$1,483,625	5	\$137,535	5	\$708,658	0	\$0	49	\$9,393,101
2015	51	\$13,115,385	31	\$3,485,629	30	\$4,715,551	13	\$188,253	0	\$0	Confidential	Confidential	1 to 3	Confidential	57	\$22,040,709
2016	39	\$4,910,228	22	\$2,059,185	23	\$1,867,140	18	\$1,474,600	0	\$0	5	\$388,639	0	\$0	49	\$10,699,793
2017	42	\$24,275,434	43	\$6,559,493	27	\$10,612,334	16	\$2,854,023	0	\$0	4	\$821,833	0	\$0	55	\$45,123,118
2018	48	\$8,539,106	8	\$102,282	19	\$1,113,772	21	\$3,129,341	0	\$0	4	\$544,495	0	\$0	54	\$13,428,996
2019	58	\$15,889,001	33	\$2,348,599	35	\$4,424,872	35	\$6,090,376	5	\$78,064	5	\$850,673	0	\$0	71	\$29,681,589
2020	50	\$5,058,785	17	\$525,549	23	\$1,268,122	26	\$1,978,667	0	\$0	Confidential	Confidential	1 to 3	Confidential	64	\$8,959,486
2021	59	\$24,407,996	21	\$3,606,372	27	\$5,551,715	30	\$14,547,160	1 to 3	Confidential	1 to 3	Confidential	0	\$0	69	\$48,446,652

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Data is masked for confidentiality when fewer than four individuals are included in the count.

Chapter 3 Alaska Peninsula Salmon Drift Gillnet Fishery

S03M Permit Holdings

Limited entry permits for the Alaska Peninsula salmon drift gillnet fishery (S03M permits) were issued starting in 1975. CFEC has issued 162 S03M permits. Table 3-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 61.1% (99/162) of the permits, Nonlocal Alaskans received 8.6% (14/162) of the permits, and Nonresidents received 30.2% (49/162). Every S03M permit was issued as a transferable permit.

Table 3-1. Initial Issuance and Year-end 2021 Totals of Alaska Peninsula Salmon Drift Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2021 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	99	61.1%	-60	-60.6%	-9	-9.1%	0	0.0%	30	18.6%
Nonlocal	14	8.6%	50	357.1%	-4	-28.6%	-1	-7.1%	59	36.6%
Nonresident	49	30.2%	10	20.4%	13	26.5%	0	0.0%	72	44.7%
Total	162	100.0%	0		0		-1	-0.6%	161	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 of S03M 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.⁶ 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 3-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2021

Acquisition Method	Alaska Peninsula Salmon Drift Gillnet		Combined Alaska Peninsula		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	188	32.8%	517	37.3%	3,796	30.2%	13,403	32.5%
Sale	336	58.5%	729	52.6%	7,835	62.3%	24,174	58.6%
Trade	12	2.1%	31	2.2%	123	1.0%	531	1.30%
Other	38	6.6%	109	7.9%	824	6.6%	3,134	7.6%
Total	574		1,386		12,578		41,242	

Table 3-2 compares and contrasts the transfer acquisition methods for the S03M permits, all statewide salmon drift gillnet permits, and all limited entry permits between 1980 and 2021. Over half of all S03M transfers were sales (58.5% or 336/574), about a third were gifts (32.8% or 188/574), and a smaller percentage were trades (2.1% or 12/574) or other (6.6% or 38/574). The annual acquisition methods for S03M permits can be viewed in a different publication.⁷

Table 3-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2021

Relationship	Alaska Peninsula Salmon Drive Gillnet		Combined Alaska Peninsula		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	100	17.4%	248	17.9%	2,093	16.6%	7,713	18.7%
Member of Immediate Family	182	31.7%	541	39.0%	3,922	31.2%	13,850	33.6%
Other Relative	33	5.7%	76	5.5%	520	4.1%	1,846	4.5%
Other	259	45.1%	521	37.6%	6,043	48.0%	17,833	43.2%
Total	574		1,386		12,578		41,242	

Table 3-3 shows the relationships between the transferors and transfer recipients for S03M permits, and compares S03M permit transfers with all statewide salmon drift gillnet permits, and all limited entry permits from 1980 to 2021. Transfers within the family, both between immediate family members and other relatives, total 37.4% (215/574) of all permit transfers for S03M permits compared 35.3% (4,442/12,578) for all salmon drift gillnet permits statewide, and 38.1% (15,696/41,242) for all limited entry permits statewide.

⁶ CFEC implemented the transfer survey in 1980.

⁷ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2021*, CFEC Report No. 22-2N.

Emergency Transfers of S03M Permits

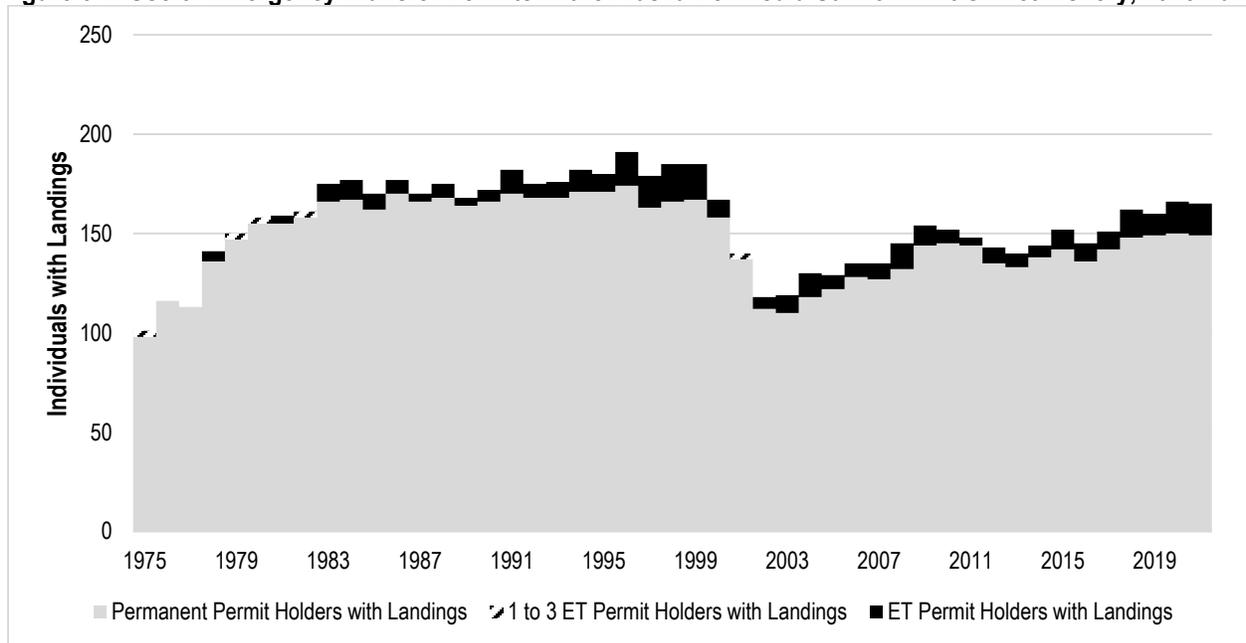
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted on permanent permits if illness, disability, death, required military or government service, or other unavoidable hardship 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 3-4 and Figure 3-1 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 3-4. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2021

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1976	98	1 to 3	-	1992	168	7	4.2%	2008	132	13	9.8%
1977	116	0	0.0%	1993	168	8	4.8%	2009	144	10	6.9%
1978	113	0	0.0%	1994	171	11	6.4%	2010	145	7	4.8%
1979	136	5	3.7%	1995	171	9	5.3%	2011	144	4	2.8%
1980	147	1 to 3	-	1996	174	17	9.8%	2012	135	8	5.9%
1981	155	1 to 3	-	1997	163	16	9.8%	2013	133	7	5.3%
1982	155	4	2.6%	1998	166	19	11.4%	2014	138	6	4.3%
1983	158	1 to 3	-	1999	167	18	10.8%	2015	142	10	7.0%
1984	166	9	5.4%	2000	158	9	5.7%	2016	136	9	6.6%
1985	167	10	6.0%	2001	137	1 to 3	-	2017	142	9	6.3%
1986	162	8	4.9%	2002	112	6	5.4%	2018	148	14	9.5%
1987	170	7	4.1%	2003	110	9	8.2%	2019	149	11	7.4%
1988	166	4	2.4%	2004	118	12	10.2%	2020	150	16	10.7%
1989	168	7	4.2%	2005	122	7	5.7%	2021	149	16	10.7%
1990	164	4	2.4%	2006	128	7	5.5%				
1991	166	6	3.6%	2007	127	8	6.3%				

Figure 3-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2021



Latent S03M Permits

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

Table 3-5 indicates the total number of issued S03M permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Issued 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 3-2.

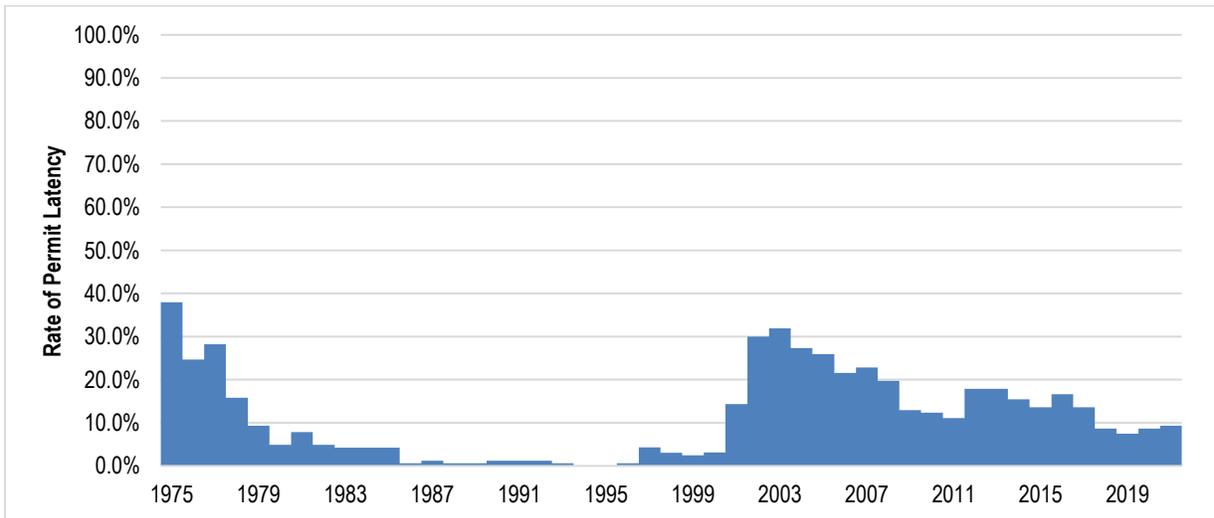
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons.

Table 3-5. Alaska Peninsula Salmon Drift Gillnet Permit Latency, 1975-2021

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	158	98	38.0%	1991	164	162	1.2%	2007	162	125	22.8%
1976	154	116	24.7%	1992	164	162	1.2%	2008	162	130	19.8%
1977	156	112	28.2%	1993	164	163	0.6%	2009	162	141	13.0%
1978	158	133	15.8%	1994	164	164	0.0%	2010	162	142	12.3%
1979	161	146	9.3%	1995	164	164	0.0%	2011	162	144	11.1%
1980	163	155	4.9%	1996	164	163	0.6%	2012	162	133	17.9%
1981	165	152	7.9%	1997	164	157	4.3%	2013	162	133	17.9%
1982	164	156	4.9%	1998	164	159	3.0%	2014	162	137	15.4%
1983	166	159	4.2%	1999	164	160	2.4%	2015	162	140	13.6%
1984	165	158	4.2%	2000	161	156	3.1%	2016	162	135	16.7%
1985	165	158	4.2%	2001	160	137	14.4%	2017	162	140	13.6%
1986	165	164	0.6%	2002	160	112	30.0%	2018	161	147	8.7%
1987	165	163	1.2%	2003	160	109	31.9%	2019	161	149	7.5%
1988	163	162	0.6%	2004	161	117	27.3%	2020	161	147	8.7%
1989	164	163	0.6%	2005	162	120	25.9%	2021	161	146	9.3%
1990	164	162	1.2%	2006	162	127	21.6%				

- 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 3-2. Alaska Peninsula Salmon Drift Gillnet Permit Latency Rate, 1975-2021



New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S03M 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.

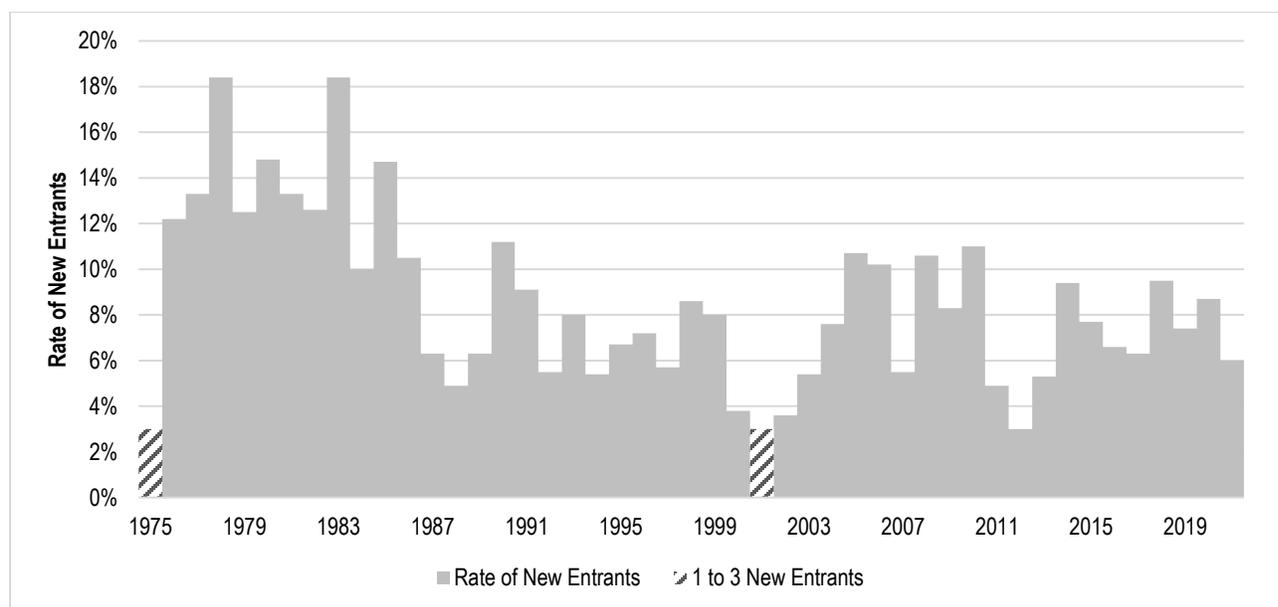
Table 3-6 and Figure 3-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery but may only fish one of them. An individual may hold one S03M permit one year, and then in subsequent years hold a different S03M permit. Likewise, individuals may enter and exit 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 3-6. New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2021

Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent
1975	90	1 to 3	-	1987	160	10	6.3%	1999	163	13	8.0%	2011	144	7	4.9%
1976	115	14	12.2%	1988	163	8	4.9%	2000	157	6	3.8%	2012	135	4	3.0%
1977	113	15	13.3%	1989	158	10	6.3%	2001	137	1 to 3	-	2013	133	7	5.3%
1978	136	25	18.4%	1990	161	18	11.2%	2002	112	4	3.6%	2014	138	13	9.4%
1979	144	18	12.5%	1991	165	15	9.1%	2003	111	6	5.4%	2015	142	11	7.7%
1980	149	22	14.8%	1992	163	9	5.5%	2004	118	9	7.6%	2016	136	9	6.6%
1981	150	20	13.3%	1993	163	13	8.0%	2005	122	13	10.7%	2017	142	9	6.3%
1982	151	19	12.6%	1994	166	9	5.4%	2006	128	13	10.2%	2018	148	14	9.5%
1983	158	29	18.4%	1995	165	11	6.7%	2007	127	7	5.5%	2019	149	11	7.4%
1984	160	16	10.0%	1996	167	12	7.2%	2008	132	14	10.6%	2020	150	13	8.7%
1985	156	23	14.7%	1997	158	9	5.7%	2009	144	12	8.3%	2021	149	9	6.0%
1986	162	17	10.5%	1998	162	14	8.6%	2010	145	16	11.0%				

• This table excludes individuals with interim-entry and emergency transfer permits.

Figure 3-3. New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2021



Age of S03M Permit Holders

Table 3-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S03M	Combined AK Peninsula	Statewide Salmon Drift Gillnet	Statewide All Permits	Mean AK Worker Age
1980	39.5	39.2	42.1	38.9	33.4
1981	38.7	38.4	41.9	39.9	33.5
1982	37.6	38.2	41.4	40.0	33.6
1983	37.1	37.7	41.4	40.2	33.7
1984	38.0	38.0	41.7	40.4	33.8
1985	37.6	38.1	41.9	40.8	34.0
1986	37.8	38.6	42.0	41.0	34.2
1987	38.3	39.0	42.3	40.9	34.5
1988	38.7	39.6	42.6	41.2	34.9
1989	38.2	39.8	42.8	41.5	35.3
1990	38.5	40.0	43.2	42.0	35.5
1991	38.9	40.5	43.7	42.5	35.9
1992	39.0	40.9	44.2	42.9	36.2
1993	40.0	42.1	44.7	43.5	36.5
1994	40.9	43.0	45.1	44.0	36.7
1995	40.8	43.5	45.3	44.4	37.0
1996	41.3	43.7	45.5	44.8	37.2
1997	42.5	44.3	46.0	45.1	37.4
1998	43.4	45.2	46.2	45.6	37.6
1999	43.2	45.5	46.7	46.0	37.8
2000	43.9	45.9	47.1	46.4	37.9
2001	44.8	46.4	47.6	46.9	38.1
2002	45.6	47.1	48.2	47.4	38.3
2003	47.2	48.0	48.5	47.9	38.4
2004	48.5	48.8	48.7	48.2	38.6
2005	47.2	48.5	48.5	48.4	38.7
2006	47.3	48.8	48.6	48.7	38.8
2007	48.3	49.6	48.3	48.9	38.9
2008	48.2	49.3	48.4	49.0	39.0
2009	48.5	49.8	48.4	49.3	39.1
2010	48.3	49.6	48.1	49.5	39.2
2011	48.8	50.0	48.0	49.6	39.4
2012	49.9	50.7	47.8	49.8	39.4
2013	49.7	50.6	47.7	50.0	39.5
2014	49.2	50.3	47.8	50.2	39.5
2015	49.5	51.0	48.1	50.6	39.5
2016	48.9	50.9	48.4	50.9	39.6
2017	48.9	51.4	48.7	51.3	40.1
2018	48.5	50.9	48.9	51.7	40.1
2019	47.2	50.4	48.9	51.9	40.1
2020	47.4	50.8	49.4	52.3	40.0
2021	47.6	51.5	49.4	52.6	39.9

- Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- Age data from the CFEC permit file is as of December 31st of each year.

Table 3-7 shows the annual mean age of five different cohorts of people: 1) Alaska Peninsula salmon drift gillnet (S03M) permit holders; 2) all Alaska Peninsula (Area M) permit holders; 3) all salmon drift gillnet permit holders statewide; 4) all CFEC limited entry permit holders; and 5) the Alaskan working population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits. 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 mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The change in ages over the same period for all CFEC permit holders was 13.7 years, and 7.3 years for the statewide drift gillnet permit holders.

For S03M permit holders, the mean age increased 8.1 years.

S03M Permit Value

Many permit transfers are non-monetary transactions (see Table 3-2). Table 3-8 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 3-8. CFEC Estimated Value of Alaska Peninsula Salmon Drift Gillnet Permits

Year	S03M Permit Sales	Nominal Permit Value	Real Permit Value	Real Standard Deviation
1987	7	\$215,400	\$533,000	\$31,500
1988	2	\$235,000	\$569,700	\$19,400
1989	5	\$344,000	\$780,200	\$39,500
1990	13	\$356,500	\$767,000	\$32,600
1991	5	\$373,000	\$770,000	\$24,900
1992	7	\$319,300	\$639,700	\$50,600
1993	9	\$389,900	\$758,900	\$56,300
1994	4	\$329,800	\$625,500	\$54,700
1995	6	\$305,200	\$563,000	\$14,700
1996	7	\$301,400	\$540,300	\$14,900
1997	3	\$268,800	\$464,700	\$32,900
1998	1	\$228,800	\$394,300	\$97,400
1999	4	\$132,800	\$224,100	\$9,800
2000	3	\$131,400	\$216,400	\$12,400
2001	1	\$123,800	\$200,800	\$15,500
2002	6	\$24,800	\$38,800	\$4,200
2003	12	\$23,700	\$36,300	\$1,900
2004	5	\$28,200	\$42,000	\$7,100
2005	18	\$46,600	\$67,000	\$8,100
2006	8	\$73,100	\$102,000	\$16,000
2007	9	\$74,700	\$101,300	\$18,700
2008	7	\$97,900	\$127,800	\$15,600
2009	7	\$98,000	\$128,400	\$20,600
2010	15	\$108,100	\$139,300	\$8,900
2011	8	\$127,800	\$159,700	\$19,600
2012	3	\$112,400	\$131,600	\$24,500
2013	11	\$81,800	\$98,700	\$12,300
2014	9	\$98,000	\$116,400	\$15,000
2015	1	\$119,500	\$141,900	\$18,800
2016	5	\$103,900	\$121,700	\$11,200
2017	6	\$122,000	\$139,900	\$20,700
2018	7	\$160,700	\$179,900	\$10,900
2019	5	\$194,000	\$213,300	\$23,400
2020	5	\$194,000	\$210,700	\$8,000
2021	7	\$164,500	\$170,600	\$9,700

- 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.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics

Table 3-9 reports on various vessel characteristics of the Alaska Peninsula salmon drift gillnet fleet since 1978. Reported in this table are the age, length, horsepower, hold refrigeration, and hold capacity. This data is from the vessel license file which includes voluntary supplied information on vessels. The first column of each category is the count of vessel with the described characteristics; other statistics reported include the 25th percentile, median, and 75th percentile.

Table 3-9. Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics

Year	Vessel count	Age				Length(ft)				Horsepower				Refrigeration			Hold Capacity(ft ³)			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	131	118	4	9	16	128	29	32	34	127	130	165	220	121	5	4.1%	71	150	160	350
1979	149	144	1	6	12	146	30	32	36	136	130	170	230	124	4	3.2%	77	150	180	432
1980	160	156	1	5	11	157	31	32	36	144	160	200	250	141	4	2.8%	84	150	236	416
1981	156	150	2	4	11	150	31	32	36	132	165	218	270	135	5	3.7%	76	150	245	400
1982	164	160	3	4	10	160	32	34	37	142	177	250	280	141	4	2.8%	82	160	320	450
1983	164	159	3	5	11	159	32	34	36	152	200	250	276	146	4	2.7%	86	160	320	450
1984	154	148	4	6	11	148	32	34	36	143	200	250	280	136	4	2.9%	89	200	344	450
1985	155	151	4	6	11	150	32	34	37	146	200	250	300	140	4	2.9%	96	200	344	491
1986	171	171	4	7	11	169	32	34	37	165	210	260	300	159	7	4.4%	115	216	344	495
1987	171	171	5	8	10	169	32	34	37	165	216	270	310	159	9	5.7%	114	216	347	495
1988	162	162	5	8	10	161	32	34	38	158	240	270	312	152	10	6.6%	107	260	350	500
1989	165	165	6	9	11	163	32	35	38	162	250	273	330	156	18	11.5%	115	270	350	500
1990	166	165	6	10	12	165	32	35	39	164	250	280	359	154	23	14.9%	110	270	353	500
1991	165	165	6	10	13	165	32	35	40	163	250	300	400	150	23	15.3%	112	290	389	500
1992	164	164	6	10	13	164	32	36	40	163	260	310	425	150	32	21.3%	109	280	392	500
1993	165	164	5	11	14	163	34	37	40	163	270	315	440	147	41	27.9%	104	300	389	500
1994	167	167	5	12	15	166	34	37	40	165	260	310	440	155	45	29.0%	104	300	396	500
1995	169	169	6	12	16	169	34	37	41	166	270	315	440	156	46	29.5%	105	300	385	500
1996	172	172	7	13	17	172	34	38	41	170	270	340	460	156	52	33.3%	103	300	392	535
1997	165	165	8	14	18	165	34	38	41	162	270	358	460	148	55	37.2%	99	300	400	565
1998	167	167	8	14	19	167	32	37	41	166	280	350	450	151	58	38.4%	103	300	400	561
1999	163	163	10	15	20	163	34	38	41	162	280	358	460	151	59	39.1%	99	300	400	561
2000	160	160	11	16	21	160	34	38	41	159	280	358	450	148	64	43.2%	100	300	400	581
2001	137	137	12	17	22	137	34	38	41	136	300	358	445	126	60	47.6%	86	300	400	512
2002	115	115	13	18	23	115	32	37	41	114	280	350	440	108	54	50.0%	73	300	350	500
2003	109	109	14	18	23	109	34	38	41	109	300	358	440	103	54	52.4%	68	300	358	513
2004	118	118	15	20	25	118	34	38	42	118	285	350	460	112	56	50.0%	70	300	350	500
2005	122	122	16	21	25	122	34	38	42	122	280	358	475	116	62	53.4%	74	300	386	500
2006	133	133	17	22	27	133	34	38	41	133	285	350	460	128	67	52.3%	83	300	380	520
2007	130	129	18	23	28	129	34	38	42	129	300	358	460	124	64	51.6%	75	300	400	525
2008	155	137	18	23	28	137	34	38	42	135	280	350	460	129	74	57.4%	80	300	400	523
2009	142	142	19	24	30	142	34	38	42	139	300	375	480	137	82	59.9%	80	300	400	525
2010	147	147	20	25	30	147	34	38	42	145	280	375	460	141	87	61.7%	85	280	400	525
2011	146	146	21	26	32	146	34	38	42	143	280	375	480	140	87	62.1%	84	290	455	574
2012	133	132	22	27	32	132	34	39	42	129	300	375	460	129	85	65.9%	77	300	450	561
2013	136	136	24	28	33	136	34	38	42	133	290	375	460	132	86	65.2%	80	286	400	550
2014	142	140	24	28	34	140	34	39	42	137	290	375	460	136	89	65.4%	84	286	400	600
2015	141	141	25	29	35	141	34	39	42	138	300	375	460	137	89	65.0%	88	300	445	600
2016	136	136	26	30	36	136	34	39	42	133	300	375	450	132	88	66.7%	81	300	450	610
2017	140	140	27	31	37	140	34	39	42	137	300	375	450	136	91	66.9%	81	300	470	700
2018	148	148	28	32	38	148	35	39	42	144	300	375	455	144	95	66.0%	88	300	483	700
2019	150	150	29	33	39	150	35	40	42	145	310	380	460	146	95	65.1%	89	300	470	640
2020	147	147	29	33	40	147	35	40	42	142	310	410	500	143	90	62.9%	86	324	455	600
2021	146	146	31	35	41	146	35	40	42	141	310	400	460	143	93	65.0%	87	330	480	610
Total	699	.	.	.	.	658	32	35	40	636	200	285	423	616	174	28.2%	374	220	400	600

Table 3-10 provides additional Alaska Peninsula salmon drift gillnet vessel characteristics. Included are statistics of engine propulsion and hull material for each year since 1978.

Table 3-10. Additional Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics

Year	Vessel count	Engine Power				Hull Material					
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Concrete	Steel	Wood	
1978	131	128	95 74.2%	33 25.8%	128	5 3.9%	46 35.9%	0 0.0%	2 1.6%	75 58.6%	
1979	149	142	113 79.6%	29 20.4%	143	6 4.2%	73 51.0%	0 0.0%	1 0.7%	63 44.1%	
1980	160	153	130 85.0%	23 15.0%	153	7 4.6%	97 63.4%	0 0.0%	0 0.0%	49 32.0%	
1981	156	149	131 87.9%	18 12.1%	144	6 4.2%	101 70.1%	0 0.0%	0 0.0%	37 25.7%	
1982	164	160	146 91.3%	14 8.8%	153	4 2.6%	120 78.4%	0 0.0%	0 0.0%	29 19.0%	
1983	164	158	146 92.4%	12 7.6%	159	5 3.1%	126 79.2%	0 0.0%	1 0.6%	27 17.0%	
1984	154	147	142 96.6%	5 3.4%	147	4 2.7%	123 83.7%	0 0.0%	0 0.0%	20 13.6%	
1985	155	150	143 95.3%	7 4.7%	151	8 5.3%	126 83.4%	0 0.0%	0 0.0%	17 11.3%	
1986	171	170	163 95.9%	7 4.1%	171	10 5.8%	148 86.5%	0 0.0%	0 0.0%	13 7.6%	
1987	171	170	162 95.3%	8 4.7%	169	11 6.5%	152 89.9%	0 0.0%	0 0.0%	6 3.6%	
1988	162	162	158 97.5%	4 2.5%	162	12 7.4%	146 90.1%	0 0.0%	0 0.0%	4 2.5%	
1989	165	165	160 97.0%	5 3.0%	165	13 7.9%	148 89.7%	0 0.0%	0 0.0%	4 2.4%	
1990	166	165	161 97.0%	4 2.4%	164	13 7.9%	148 90.2%	0 0.0%	0 0.0%	3 1.8%	
1991	165	165	161 97.6%	4 2.4%	164	12 7.3%	150 91.5%	0 0.0%	0 0.0%	2 1.2%	
1992	164	164	161 98.2%	3 1.8%	163	13 8.0%	149 91.4%	0 0.0%	0 0.0%	1 0.6%	
1993	165	164	161 98.2%	3 1.8%	163	18 11.0%	144 88.3%	0 0.0%	0 0.0%	1 0.6%	
1994	167	167	163 97.6%	4 2.4%	166	20 12.0%	145 87.3%	0 0.0%	0 0.0%	1 0.6%	
1995	169	169	165 97.6%	4 2.4%	168	20 11.9%	146 86.9%	0 0.0%	0 0.0%	2 1.2%	
1996	172	172	169 98.3%	3 1.7%	171	23 13.5%	147 86.0%	0 0.0%	1 0.6%	0 0.0%	
1997	165	165	159 96.4%	6 3.6%	164	20 12.2%	142 86.6%	0 0.0%	1 0.6%	1 0.6%	
1998	167	167	163 97.6%	4 2.4%	167	24 14.4%	141 84.4%	0 0.0%	1 0.6%	1 0.6%	
1999	163	163	161 98.8%	2 1.2%	162	22 13.6%	140 86.4%	0 0.0%	0 0.0%	0 0.0%	
2000	160	160	157 98.1%	3 1.9%	160	22 13.8%	138 86.3%	0 0.0%	0 0.0%	0 0.0%	
2001	137	137	135 98.5%	2 1.5%	137	17 12.4%	120 87.6%	0 0.0%	0 0.0%	0 0.0%	
2002	115	115	112 97.4%	3 2.6%	115	15 13.0%	99 86.1%	0 0.0%	0 0.0%	1 0.9%	
2003	109	109	107 98.2%	2 1.8%	109	12 11.0%	97 89.0%	0 0.0%	0 0.0%	0 0.0%	
2004	118	118	115 97.5%	3 2.5%	118	13 11.0%	103 87.3%	0 0.0%	0 0.0%	2 1.7%	
2005	122	122	119 97.5%	3 2.5%	121	13 10.7%	107 88.4%	0 0.0%	0 0.0%	1 0.8%	
2006	133	133	130 97.7%	3 2.3%	132	14 10.6%	117 88.6%	0 0.0%	1 0.8%	0 0.0%	
2007	130	129	125 96.9%	4 3.1%	128	14 10.9%	112 87.5%	0 0.0%	1 0.8%	1 0.8%	
2008	155	137	131 95.6%	6 4.4%	135	17 12.6%	117 86.7%	0 0.0%	1 0.7%	0 0.0%	
2009	142	142	140 98.6%	2 1.4%	141	17 12.1%	122 86.5%	0 0.0%	2 1.4%	0 0.0%	
2010	147	147	144 98.0%	3 2.0%	147	19 12.9%	127 86.4%	0 0.0%	1 0.7%	0 0.0%	
2011	146	146	143 97.9%	3 2.1%	146	19 13.0%	125 85.6%	0 0.0%	2 1.4%	0 0.0%	
2012	133	132	130 98.5%	2 1.5%	132	17 12.9%	114 86.4%	0 0.0%	1 0.8%	0 0.0%	
2013	136	136	133 97.8%	3 2.2%	136	17 12.5%	117 86.0%	0 0.0%	1 0.7%	1 0.7%	
2014	142	140	138 98.6%	2 1.4%	140	15 10.7%	124 88.6%	0 0.0%	1 0.7%	0 0.0%	
2015	141	141	138 97.9%	3 2.1%	140	16 11.4%	124 88.6%	0 0.0%	0 0.0%	0 0.0%	
2016	136	136	133 97.8%	3 2.2%	135	16 11.9%	119 88.1%	0 0.0%	0 0.0%	0 0.0%	
2017	140	140	137 97.9%	3 2.1%	139	15 10.8%	123 88.5%	0 0.0%	1 0.7%	0 0.0%	
2018	148	148	145 98.0%	3 2.0%	147	17 11.6%	129 87.8%	0 0.0%	1 0.7%	0 0.0%	
2019	150	150	148 98.7%	2 1.3%	149	18 12.1%	130 87.2%	0 0.0%	1 0.7%	0 0.0%	
2020	147	147	145 98.6%	2 1.4%	147	16 10.9%	129 87.8%	0 0.0%	1 0.7%	1 0.7%	
2021	146	146	145 99.3%	1 0.7%	146	15 10.3%	130 89.0%	0 0.0%	1 0.7%	0 0.0%	
Total	699	657	565 86.0%	92 14.0%	650	77 11.8%	462 71.1%	0 0.0%	8 1.2%	103 15.8%	

- Totals includes every vessel from 1978 to 2021.

Participation and Earnings

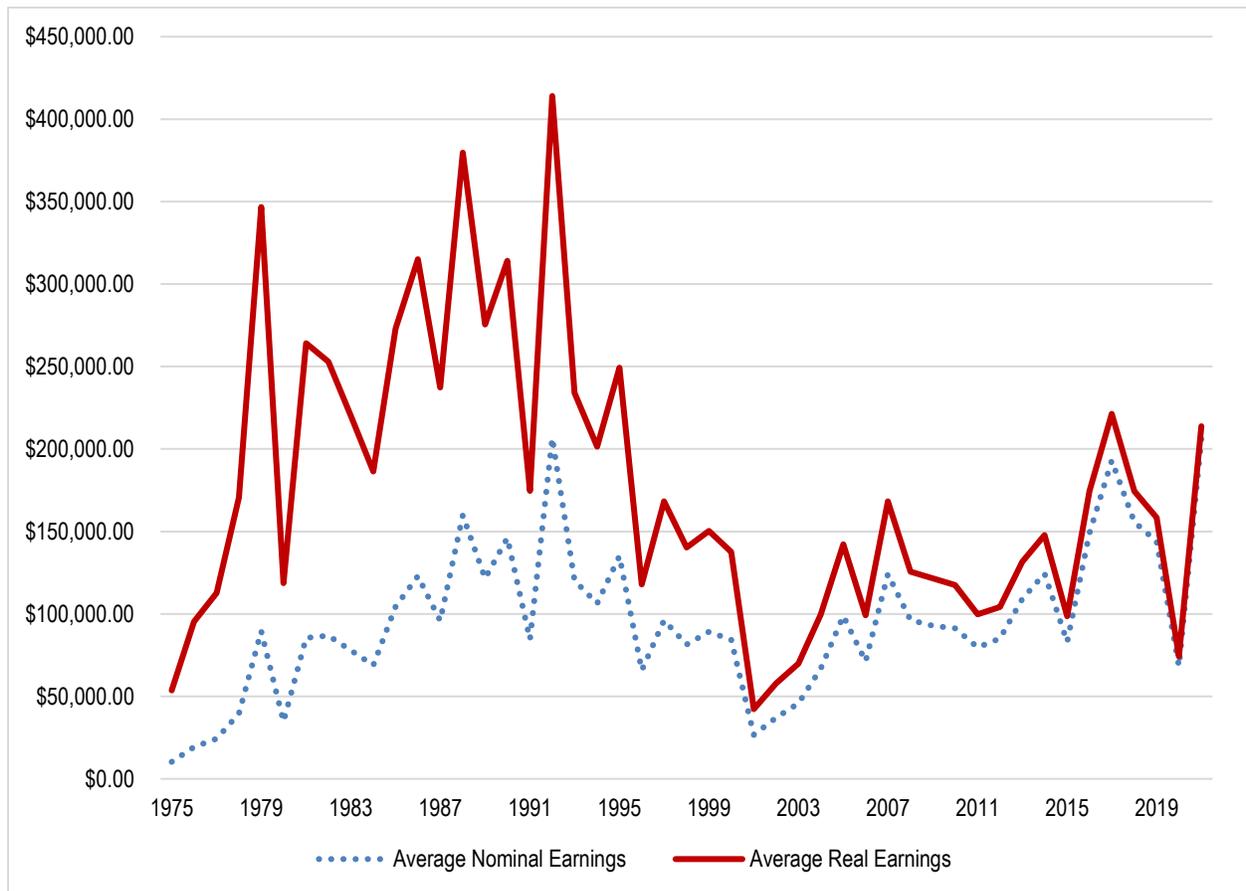
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, come primarily from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 3-4 reflect both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of 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 in the Alaska Peninsula Salmon drift gillnet fishery was in 2000. 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 3-11 reports the number of permits issued, and estimated gross earnings in Alaska Peninsula salmon drift gillnet fishery from 1975 to 2021. 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 3-12 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type.

Figure 3-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Drift Gillnet Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 3-11. Estimated Total Gross Earnings (Real and Nominal) for the Alaska Peninsula Salmon Drift Gillnet Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits with Landings	Average Nominal Earnings	Average Real Earnings	Vessels with Landings	Average Real Vessel Earnings
		Nominal	Real					
1975	158	\$1,007,475	\$5,263,233	98	\$10,280	\$53,706	121	\$43,498
1976	154	\$2,236,007	\$11,046,695	116	\$19,276	\$95,230	121	\$91,295
1977	156	\$2,718,588	\$12,610,898	112	\$24,273	\$112,597	126	\$100,086
1978	158	\$5,265,517	\$22,693,760	133	\$39,590	\$170,630	131	\$173,235
1979	161	\$13,065,156	\$50,613,055	146	\$89,487	\$346,665	149	\$339,685
1980	163	\$5,391,196	\$18,392,850	155	\$34,782	\$118,664	160	\$114,955
1981	165	\$12,983,561	\$40,146,299	152	\$85,418	\$264,120	155	\$257,929
1982	164	\$13,543,297	\$39,457,729	156	\$86,816	\$252,934	164	\$240,596
1983	166	\$12,406,647	\$35,021,125	159	\$78,029	\$220,259	164	\$213,543
1984	165	\$10,884,162	\$29,456,701	158	\$68,887	\$186,435	154	\$191,277
1985	165	\$16,502,021	\$43,131,487	158	\$104,443	\$272,984	155	\$278,268
1986	165	\$20,149,727	\$51,684,531	164	\$122,864	\$315,150	171	\$302,249
1987	165	\$15,639,277	\$38,697,041	163	\$95,946	\$237,405	171	\$226,298
1988	163	\$25,879,056	\$61,525,007	162	\$159,747	\$379,784	162	\$379,784
1989	164	\$19,806,600	\$44,920,027	163	\$121,513	\$275,583	165	\$272,243
1990	164	\$23,653,117	\$50,896,306	162	\$146,007	\$314,175	166	\$306,604
1991	164	\$13,698,303	\$28,278,166	162	\$84,557	\$174,557	165	\$171,383
1992	164	\$33,474,056	\$67,070,890	162	\$206,630	\$414,018	164	\$408,969
1993	164	\$19,595,162	\$38,136,537	163	\$120,216	\$233,966	165	\$231,131
1994	164	\$17,423,630	\$33,048,533	164	\$106,242	\$201,515	167	\$197,895
1995	164	\$22,154,354	\$40,874,892	164	\$135,088	\$249,237	169	\$241,863
1996	164	\$10,715,841	\$19,207,762	163	\$65,741	\$117,839	172	\$111,673
1997	164	\$15,079,264	\$26,411,619	157	\$96,046	\$168,227	165	\$160,070
1998	164	\$12,934,281	\$22,308,351	159	\$81,348	\$140,304	167	\$133,583
1999	164	\$14,254,659	\$24,059,245	160	\$89,092	\$150,370	163	\$147,603
2000	161	\$13,152,436	\$21,473,757	156	\$84,310	\$137,652	160	\$134,211
2001	160	\$3,647,387	\$5,791,352	137	\$26,623	\$42,273	137	\$42,273
2002	160	\$4,143,351	\$6,476,136	112	\$36,994	\$57,823	115	\$56,314
2003	160	\$4,982,240	\$7,614,479	109	\$45,709	\$69,858	109	\$69,858
2004	161	\$7,822,966	\$11,644,284	117	\$66,863	\$99,524	118	\$98,680
2005	162	\$11,848,309	\$17,057,197	120	\$98,736	\$142,143	122	\$139,813
2006	162	\$9,037,168	\$12,603,605	127	\$71,159	\$99,241	133	\$94,764
2007	162	\$15,503,683	\$21,022,373	125	\$124,029	\$168,179	130	\$161,711
2008	162	\$12,507,586	\$16,332,754	130	\$96,212	\$125,637	155	\$105,373
2009	162	\$13,077,582	\$17,138,004	141	\$92,749	\$121,546	142	\$120,690
2010	162	\$12,951,750	\$16,699,228	142	\$91,210	\$117,600	147	\$113,600
2011	162	\$11,486,251	\$14,356,489	144	\$79,766	\$99,698	146	\$98,332
2012	162	\$11,314,497	\$13,855,107	133	\$85,071	\$104,174	133	\$104,174
2013	162	\$14,508,277	\$17,509,547	133	\$109,085	\$131,651	136	\$128,747
2014	162	\$17,041,199	\$20,238,137	137	\$124,388	\$147,724	142	\$142,522
2015	162	\$11,629,258	\$13,794,549	140	\$83,066	\$98,532	141	\$97,834
2016	162	\$20,106,289	\$23,552,809	135	\$148,935	\$174,465	136	\$173,182
2017	162	\$27,014,615	\$30,985,305	140	\$192,962	\$221,324	140	\$221,324
2018	161	\$22,895,697	\$25,634,824	147	\$155,753	\$174,387	148	\$173,208
2019	161	\$21,456,895	\$23,596,277	149	\$144,006	\$158,364	150	\$157,309
2020	161	\$10,049,234	\$10,916,538	147	\$68,362	\$74,262	147	\$74,262
2021	161	\$30,082,136	\$31,212,091	146	\$206,042	\$213,781	146	\$213,781

- Adjusted for inflation to 2022 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.

Table 3-12. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Drift Gillnet Fishery by Resident Type, 1975-2021

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	67	\$40,618	\$2,721,431	4	\$70,819	\$283,277	27	\$83,649	\$2,258,525	98	\$53,706	\$5,263,233
1976	74	\$66,557	\$4,925,193	4	\$69,123	\$276,490	38	\$153,816	\$5,845,012	116	\$95,230	\$11,046,695
1977	70	\$82,213	\$5,754,928	4	\$108,466	\$433,862	39	\$164,669	\$6,422,108	113	\$111,601	\$12,610,898
1978	81	\$122,053	\$9,886,263	11	\$180,878	\$1,989,660	44	\$245,860	\$10,817,837	136	\$166,866	\$22,693,760
1979	89	\$207,414	\$18,459,835	12	\$324,125	\$3,889,501	46	\$614,429	\$28,263,718	147	\$344,306	\$50,613,055
1980	90	\$90,815	\$8,173,349	13	\$86,118	\$1,119,532	52	\$174,999	\$9,099,969	155	\$118,664	\$18,392,850
1981	81	\$183,630	\$14,874,032	19	\$235,637	\$4,477,112	55	\$378,094	\$20,795,155	155	\$259,008	\$40,146,299
1982	81	\$182,412	\$14,775,378	17	\$312,509	\$5,312,646	60	\$322,828	\$19,369,705	158	\$249,732	\$39,457,729
1983	79	\$144,122	\$11,385,627	23	\$231,183	\$5,317,220	64	\$286,058	\$18,307,705	166	\$210,907	\$35,010,552
1984	78	\$128,736	\$10,041,388	24	\$169,504	\$4,068,102	65	\$236,111	\$15,347,211	167	\$176,387	\$29,456,701
1985	70	\$200,745	\$14,052,139	27	\$235,013	\$6,345,346	65	\$349,754	\$22,734,002	162	\$266,244	\$43,131,487
1986	68	\$199,346	\$13,555,545	35	\$281,462	\$9,851,169	67	\$422,057	\$28,277,818	170	\$304,027	\$51,684,531
1987	64	\$169,656	\$10,857,979	36	\$251,674	\$9,060,260	66	\$284,527	\$18,778,802	166	\$233,115	\$38,697,041
1988	57	\$270,723	\$15,431,215	36	\$386,612	\$13,918,027	75	\$429,010	\$32,175,765	168	\$366,220	\$61,525,007
1989	58	\$197,995	\$11,483,716	35	\$305,810	\$10,703,367	71	\$320,182	\$22,732,944	164	\$273,903	\$44,920,027
1990	53	\$214,540	\$11,370,599	38	\$337,728	\$12,833,646	75	\$355,894	\$26,692,061	166	\$306,604	\$50,896,306
1991	54	\$124,634	\$6,730,219	42	\$180,059	\$7,562,495	74	\$188,993	\$13,985,452	170	\$166,342	\$28,278,166
1992	49	\$290,611	\$14,239,917	43	\$426,104	\$18,322,464	76	\$454,059	\$34,508,509	168	\$399,231	\$67,070,890
1993	49	\$159,687	\$7,824,642	43	\$250,006	\$10,750,241	76	\$257,390	\$19,561,654	168	\$227,003	\$38,136,537
1994	46	\$138,511	\$6,371,484	50	\$195,929	\$9,796,434	75	\$225,075	\$16,880,615	171	\$193,266	\$33,048,533
1995	44	\$165,969	\$7,302,639	50	\$256,644	\$12,832,192	77	\$269,351	\$20,740,061	171	\$239,034	\$40,874,892
1996	41	\$80,286	\$3,291,724	50	\$118,745	\$5,937,252	83	\$120,226	\$9,978,785	174	\$110,389	\$19,207,762
1997	36	\$120,682	\$4,344,537	49	\$165,405	\$8,104,842	78	\$179,003	\$13,962,239	163	\$162,034	\$26,411,619
1998	34	\$88,334	\$3,003,341	51	\$152,144	\$7,759,364	81	\$142,539	\$11,545,646	166	\$134,388	\$22,308,351
1999	34	\$99,915	\$3,397,112	52	\$140,538	\$7,307,950	81	\$164,866	\$13,354,183	167	\$144,067	\$24,059,245
2000	34	\$88,250	\$3,000,504	47	\$138,026	\$6,487,207	77	\$155,663	\$11,986,046	158	\$135,910	\$21,473,757
2001	33	\$33,416	\$1,102,718	34	\$36,971	\$1,256,999	70	\$49,023	\$3,431,636	137	\$42,273	\$5,791,352
2002	27	\$46,945	\$1,267,502	29	\$57,933	\$1,680,043	56	\$63,011	\$3,528,591	112	\$57,823	\$6,476,136
2003	30	\$55,259	\$1,657,764	22	\$73,158	\$1,609,474	58	\$74,858	\$4,341,761	110	\$69,173	\$7,608,998
2004	39	\$65,761	\$2,564,680	25	\$103,278	\$2,581,947	54	\$120,327	\$6,497,657	118	\$98,680	\$11,644,284
2005	39	\$90,161	\$3,516,296	27	\$145,166	\$3,919,493	56	\$171,811	\$9,621,407	122	\$139,813	\$17,057,197
2006	37	\$59,214	\$2,190,915	33	\$111,485	\$3,679,016	58	\$116,098	\$6,733,674	128	\$98,466	\$12,603,605
2007	35	\$104,334	\$3,651,685	39	\$158,992	\$6,200,677	53	\$210,755	\$11,170,010	127	\$165,530	\$21,022,373
2008	32	\$76,398	\$2,444,744	38	\$140,996	\$5,357,866	62	\$137,583	\$8,530,144	132	\$123,733	\$16,332,754
2009	35	\$86,432	\$3,025,129	45	\$124,398	\$5,597,891	64	\$133,047	\$8,514,984	144	\$119,014	\$17,138,004
2010	32	\$76,784	\$2,457,087	51	\$114,490	\$5,838,996	62	\$135,535	\$8,403,145	145	\$115,167	\$16,699,228
2011	29	\$72,931	\$2,115,007	50	\$101,276	\$5,063,817	65	\$110,426	\$7,177,664	144	\$99,698	\$14,356,489
2012	27	\$71,751	\$1,937,268	44	\$102,718	\$4,519,601	64	\$115,597	\$7,398,238	135	\$102,630	\$13,855,107
2013	30	\$107,045	\$3,211,349	41	\$126,355	\$5,180,536	62	\$147,059	\$9,117,661	133	\$131,651	\$17,509,547
2014	31	\$117,103	\$3,630,191	46	\$136,481	\$6,278,116	61	\$169,341	\$10,329,829	138	\$146,653	\$20,238,137
2015	29	\$66,149	\$1,918,323	45	\$108,901	\$4,900,540	68	\$102,584	\$6,975,685	142	\$97,145	\$13,794,549
2016	30	\$103,689	\$3,110,683	45	\$185,513	\$8,348,091	61	\$198,263	\$12,094,034	136	\$173,182	\$23,552,809
2017	28	\$147,388	\$4,126,867	50	\$238,549	\$11,927,458	64	\$233,297	\$14,930,979	142	\$218,206	\$30,985,305
2018	26	\$110,911	\$2,883,679	59	\$186,158	\$10,983,330	63	\$186,791	\$11,767,816	148	\$173,208	\$25,634,824
2019	25	\$91,359	\$2,283,978	62	\$173,712	\$10,770,157	62	\$170,035	\$10,542,142	149	\$158,364	\$23,596,277
2020	26	\$47,554	\$1,236,407	71	\$77,796	\$5,523,523	53	\$78,427	\$4,156,608	150	\$72,777	\$10,916,538
2021	28	\$124,449	\$3,484,576	65	\$214,215	\$13,923,970	56	\$246,492	\$13,803,544	149	\$209,477	\$31,212,091

- Adjusted for inflation to 2022 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.

Table 3-13. Gross Real Earnings for the Alaska Peninsula Salmon Drift Gillnet Fishery by ADF&G Salmon District, 1975-2021

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	1 to 3	Confidential	1 to 3	Confidential	77	\$2,410,726	0	\$0	0	\$0	51	\$2,844,216	98	\$5,263,233
1976	0	\$0	32	\$91,231	106	\$5,360,608	0	\$0	7	\$41,838	53	\$5,553,018	116	\$11,046,695
1977	0	\$0	1 to 3	Confidential	101	\$4,367,558	0	\$0	1 to 3	Confidential	60	\$8,138,308	112	\$12,610,898
1978	0	\$0	1 to 3	Confidential	120	\$7,645,173	0	\$0	1 to 3	Confidential	78	\$15,036,949	133	\$22,693,760
1979	0	\$0	Confidential	Confidential	125	\$5,809,029	0	\$0	1 to 3	Confidential	107	\$44,690,806	146	\$50,613,055
1980	0	\$0	1 to 3	Confidential	127	\$5,710,553	0	\$0	Confidential	Confidential	136	\$12,529,400	155	\$18,392,850
1981	1 to 3	Confidential	10	\$131,493	133	\$13,046,861	0	\$0	Confidential	Confidential	134	\$26,871,139	152	\$40,146,299
1982	1 to 3	Confidential	8	\$92,390	137	\$16,484,734	0	\$0	Confidential	Confidential	144	\$22,832,289	156	\$39,457,729
1983	0	\$0	1 to 3	Confidential	147	\$9,251,675	0	\$0	Confidential	Confidential	144	\$25,692,189	159	\$35,021,125
1984	0	\$0	1 to 3	Confidential	147	\$6,599,545	0	\$0	Confidential	Confidential	148	\$22,653,616	158	\$29,456,701
1985	0	\$0	1 to 3	Confidential	149	\$10,191,374	0	\$0	Confidential	Confidential	150	\$32,834,098	158	\$43,131,487
1986	0	\$0	0	\$0	156	\$5,209,478	0	\$0	13	\$677,319	158	\$45,797,735	164	\$51,684,531
1987	0	\$0	0	\$0	145	\$13,172,241	0	\$0	17	\$325,264	151	\$25,199,536	163	\$38,697,041
1988	0	\$0	0	\$0	148	\$18,260,384	0	\$0	31	\$410,734	153	\$42,853,890	162	\$61,525,007
1989	0	\$0	0	\$0	147	\$14,368,961	0	\$0	18	\$278,413	156	\$30,272,653	163	\$44,920,027
1990	0	\$0	1 to 3	Confidential	153	\$13,219,526	0	\$0	Confidential	Confidential	153	\$36,764,665	162	\$50,896,306
1991	0	\$0	0	\$0	100	\$2,132,185	137	\$4,909,638	19	\$359,381	158	\$20,876,962	162	\$28,278,166
1992	0	\$0	0	\$0	82	\$5,313,164	113	\$9,247,927	12	\$398,360	161	\$52,111,439	162	\$67,070,890
1993	0	\$0	0	\$0	70	\$949,256	143	\$7,770,631	7	\$59,667	162	\$29,356,983	163	\$38,136,537
1994	0	\$0	0	\$0	84	\$1,458,016	133	\$3,484,044	15	\$142,245	162	\$27,964,229	164	\$33,048,533
1995	0	\$0	0	\$0	65	\$1,220,930	150	\$7,886,956	8	\$21,781	162	\$31,745,225	164	\$40,874,892
1996	0	\$0	0	\$0	109	\$1,101,150	132	\$3,280,942	18	\$165,764	162	\$14,659,906	163	\$19,207,762
1997	0	\$0	0	\$0	79	\$2,058,572	128	\$6,678,961	17	\$381,475	152	\$17,292,611	157	\$26,411,619
1998	0	\$0	0	\$0	95	\$2,120,742	137	\$8,803,623	18	\$343,819	153	\$11,040,167	159	\$22,308,351
1999	0	\$0	0	\$0	70	\$1,221,841	146	\$7,799,923	41	\$441,790	153	\$14,595,691	160	\$24,059,245
2000	0	\$0	0	\$0	89	\$1,763,813	138	\$4,962,216	13	\$88,671	151	\$14,659,056	156	\$21,473,757
2001	0	\$0	0	\$0	66	\$520,875	65	\$252,819	18	\$79,583	127	\$4,938,075	137	\$5,791,352
2002	0	\$0	0	\$0	46	\$470,028	78	\$920,429	8	\$107,739	97	\$4,977,939	112	\$6,476,136
2003	0	\$0	0	\$0	42	\$434,873	73	\$935,105	5	\$51,883	102	\$6,192,619	109	\$7,614,479
2004	0	\$0	0	\$0	Confidential	Confidential	Confidential	\$1,262,439	1 to 3	Confidential	111	\$9,843,112	117	\$11,644,284
2005	0	\$0	0	\$0	74	\$450,739	89	\$876,215	21	\$356,010	119	\$15,374,232	120	\$17,057,197
2006	0	\$0	0	\$0	25	\$135,814	84	\$1,143,253	6	\$13,611	126	\$11,310,926	127	\$12,603,605
2007	0	\$0	0	\$0	69	\$832,122	85	\$2,290,530	6	\$84,395	124	\$17,815,326	125	\$21,022,373
2008	0	\$0	0	\$0	79	\$903,943	106	\$3,963,236	4	\$40,411	128	\$11,425,164	130	\$16,332,754
2009	0	\$0	0	\$0	Confidential	Confidential	104	\$1,582,560	1 to 3	Confidential	139	\$14,715,956	141	\$17,138,004
2010	0	\$0	0	\$0	111	\$1,260,989	92	\$815,609	15	\$79,265	141	\$14,543,365	142	\$16,699,228
2011	1 to 3	Confidential	0	\$0	90	\$1,425,653	110	\$4,470,954	Confidential	Confidential	141	\$8,031,922	144	\$14,356,489
2012	0	\$0	0	\$0	92	\$1,116,321	120	\$6,333,295	36	\$248,563	127	\$6,156,928	133	\$13,855,107
2013	0	\$0	1 to 3	Confidential	95	\$1,853,030	118	\$8,970,235	22	\$65,019	119	\$6,617,566	133	\$17,509,547

-continued-

Alaska Peninsula Salmon Drift Gillnet (S03M)

-Table 3-13 continued-

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
2014	0	\$0	0	\$0	85	\$1,240,392	115	\$2,268,633	7	\$50,227	133	\$16,678,884	137	\$20,238,137
2015	0	\$0	0	\$0	Confidential	Confidential	94	\$604,682	1 to 3	Confidential	137	\$12,540,014	140	\$13,794,549
2016	0	\$0	0	\$0	105	\$1,368,839	70	\$1,010,213	16	\$61,024	131	\$21,112,733	135	\$23,552,809
2017	0	\$0	0	\$0	90	\$1,901,120	92	\$2,571,146	12	\$68,426	137	\$26,444,612	140	\$30,985,305
2018	0	\$0	0	\$0	102	\$481,292	127	\$2,424,411	5	\$48,107	145	\$22,681,014	147	\$25,634,824
2019	0	\$0	0	\$0	79	\$485,731	110	\$816,939	19	\$59,558	149	\$22,234,049	149	\$23,596,277
2020	0	\$0	0	\$0	97	\$329,611	109	\$419,375	12	\$32,562	147	\$10,134,990	147	\$10,916,538
2021	0	\$0	0	\$0	57	\$893,439	112	\$3,681,358	22	\$462,873	145	\$26,174,421	146	\$31,212,091

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Data is masked for confidentiality when fewer than four individuals are included in the count.

Chapter 4 Alaska Peninsula Salmon Set Gillnet Fishery

S04M Permit Holdings

Limited entry permits for the Alaska Peninsula salmon set gillnet fishery (S04M permits) were issued starting in 1975. CFEC has issued 116 S04M permits. Table 4-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 84.5% (98/116) of the permits, Nonlocal Alaskans received 7.8% (9/116) of the permits, and Nonresidents received 7.8% (9/116). Every S04M permit issued was issued as a non-transferable permit.

Table 4-1. Initial Issuance and Year-end 2021 Totals of Alaska Peninsula Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2021 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	98	84.5%	14	14.3%	-31	-31.6%	-2	-2.0%	79	71.2%
Nonlocal	9	7.8%	-12	-133.3%	21	233.3%	-2	-22.2%	16	14.4%
Nonresident	9	7.8%	-2	-22.2%	10	111.1%	-1	-11.1%	16	14.4%
Total	116	100.0%	0		0		-5	-4.3%	111	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 of S04M 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.⁸ 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 4-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Set Gillnet Permits, 1980-2021

Acquisition Method	Alaska Peninsula Salmon Set Gillnet		Combined Alaska Peninsula		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	195	42.4%	517	37.3%	6,717	51.0%	13,403	32.5%
Sale	218	47.4%	729	52.6%	5,069	38.5%	24,174	58.6%
Trade	9	2.0%	31	2.2%	97	0.7%	531	1.3%
Other	38	8.3%	109	7.9%	1,282	9.7%	3,134	7.6%
Total	460		1,386		13,165		41,242	

Table 4-2 compares and contrasts the transfer acquisition methods for the S04M permits, all statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2021. Almost half of all S04M transfers were sales (47.4% or 218/460), a little less were gifts (42.4% or 195/460), and a smaller percentage were trades (2.0% or 9/460) or other (8.3% or 38/460). The annual acquisition methods for S04M permits can be viewed in a different publication.⁹

Table 4-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Set Gillnet, 1980-2021

Relationship	Alaska Peninsula Salmon Set Gillnet		Combined Alaska Peninsula		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	93	20.2%	248	17.9%	2,632	20.0%	7,713	18.7%
Member of Immediate Family	197	42.8%	541	39.0%	6,331	48.1%	13,850	33.6%
Other Relative	33	7.2%	76	5.5%	914	6.9%	1,846	4.5%
Other	137	29.8%	521	37.6%	3,288	25.0%	17,833	43.2%
Total	460		1,386		13,165		41,242	

Table 4-3 shows the relationships between the transferors and transfer recipients for S04M permits and compares S04M permit transfers with all Area M permits, all statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2021. Transfers within the family, both between immediate family members and other relatives, total 50.0% (230/460) of all permit transfers for S04M permits compared to 55.0% (7,245/13,165) for all salmon set gillnet permits statewide, and 38.1% (15,696/41,242) for all limited entry permits statewide.

⁸ CFEC implemented the transfer survey in 1980.

⁹ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2021*, CFEC Report No. 22-2N.

Emergency Transfers of S04M 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 on permanent permits 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 to the permanent permit holder.

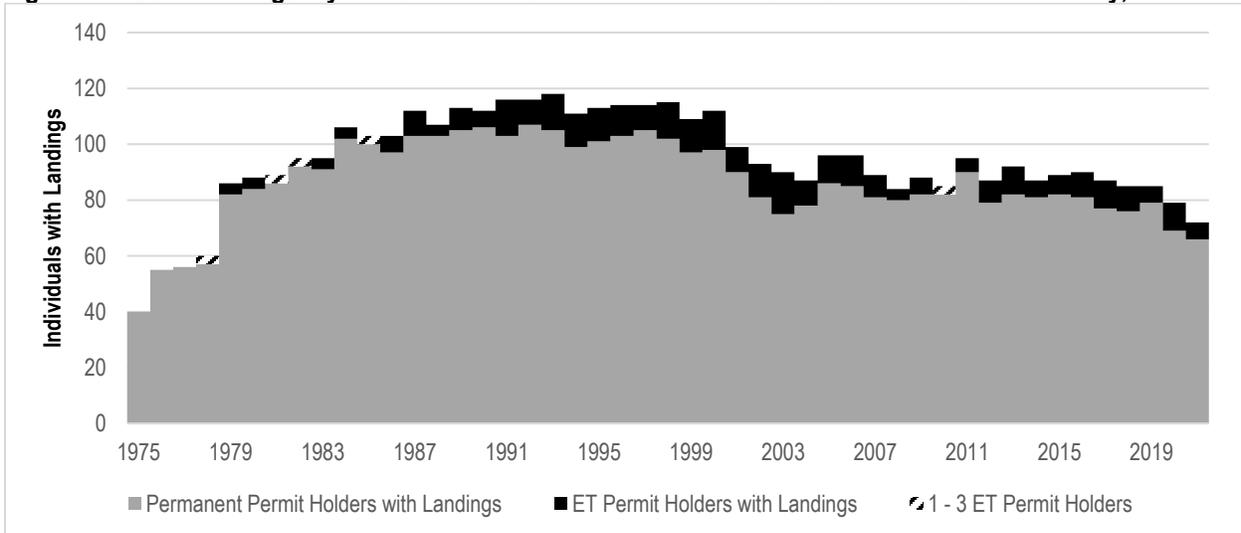
Table 4-4 and Figure 4-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 4-4. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2021

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	40	0	0.0%	1991	116	13	11.2%	2007	89	8	9.0%
1976	55	0	0.0%	1992	116	9	7.8%	2008	84	4	4.8%
1977	56	0	0.0%	1993	118	13	11.0%	2009	88	6	6.8%
1978	60	1 to 3	-	1994	111	12	10.8%	2010	85	1 to 3	-
1979	86	4	4.7%	1995	113	12	10.6%	2011	95	5	5.3%
1980	88	4	4.5%	1996	114	11	9.6%	2012	87	8	9.2%
1981	89	1 to 3	-	1997	114	9	7.9%	2013	92	10	10.9%
1982	95	1 to 3	-	1998	115	13	11.3%	2014	87	6	6.9%
1983	95	4	4.2%	1999	109	12	11.0%	2015	89	7	7.9%
1984	106	4	3.8%	2000	112	14	12.5%	2016	90	9	10.0%
1985	103	1 to 3	-	2001	99	9	9.1%	2017	87	10	11.5%
1986	103	6	5.8%	2002	93	12	12.9%	2018	85	9	10.6%
1987	112	9	8.0%	2003	90	15	16.7%	2019	85	6	7.1%
1988	107	4	3.7%	2004	87	9	10.3%	2020	79	10	12.7%
1989	113	8	7.1%	2005	96	10	10.4%	2021	72	6	8.3%
1990	112	6	5.4%	2006	96	11	11.5%				

- When fewer than four individuals make landings, figures are masked due to confidentiality.

Figure 4-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2021



- When fewer than four individuals make landings, figures are masked due to confidentiality.

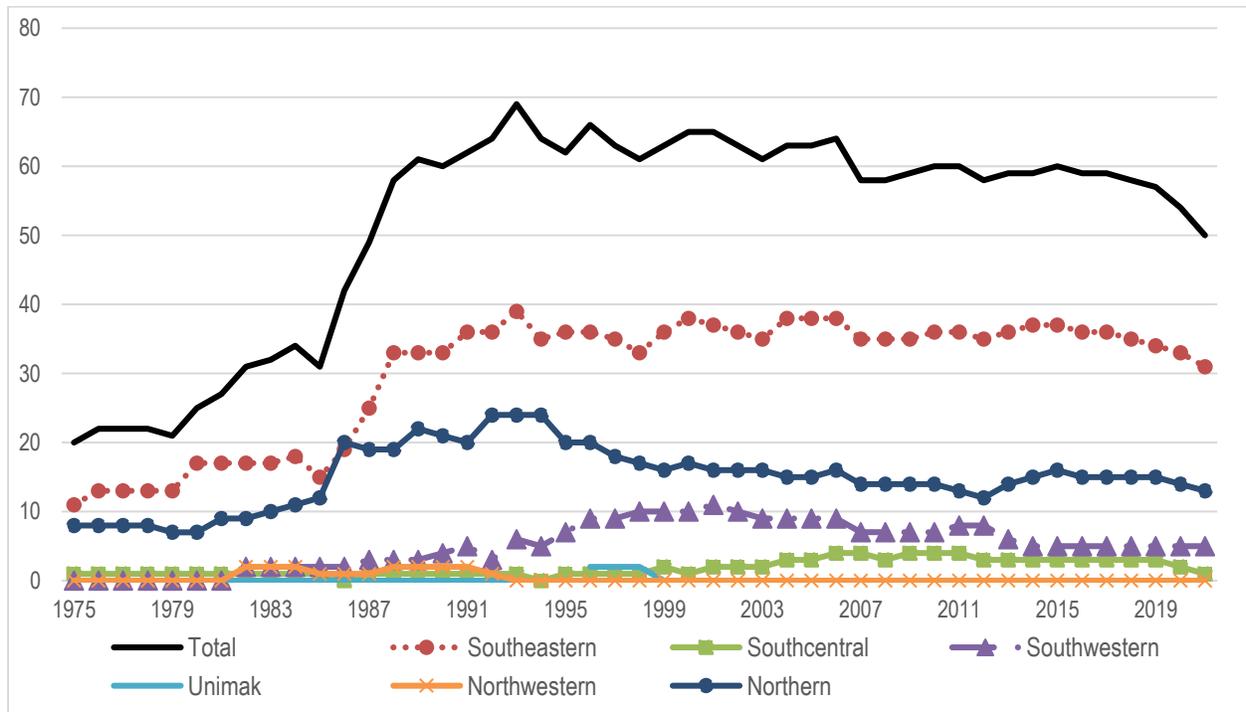
DNR Shore Fishery Leases in the Alaska Peninsula Set Gillnet Fishery

The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by CFEC set gillnet permit holders in Alaska Peninsula. A shore fishery lease grants permit holders the first right of priority to fish a tract of tidelands. Many permit holders obtain shore fishery leases, although a lease is not required in order to fish.

In Alaska Peninsula, the DNR shore fishery lease program allows a permit holder to maintain up to two tracts per permit.¹⁰ While some tracts are adjacent to one another, other tracts may be scattered miles apart. Additional information regarding DNR shore fishery leases can be found in CFEC publication 19-3N.¹¹

In Table 4-5, the total number of Alaska Peninsula set gillnet permits, permits with landings, and permits with a DNR shore fishery lease as of December 31 is reported by district. The total permits by district include permits that either had landings documented within the fishing district or had a DNR lease. While there are no restrictions as to which district an S04M permit can be used for fishing, generally speaking, S04M permit holders did not make landings in more than one district. The counts of permits with DNR shore fishery leases is depicted by district in Figure 4-2.

Figure 4-2. Count of Permits with DNR Shore Fishery Leases by District on the Alaska Peninsula, 1975-2021



¹⁰ See 11 AAC 24.0331(b)(1)(D).

¹¹ See *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Lease in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975 – 2018*. CFEC Report No 19-3N.

Table 4-5. Alaska Peninsula Salmon Set Gillnet DNR Shore Fishery Leases by District

Year				Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern	
	Total Permits	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings	Permits with a DNR Lease	Permits with Landings
1975	106	20	40	11	17	1	2	0	1	0	0	0	0	8	29
1976	114	22	53	13	22	1	12	0	3	0	0	0	0	8	29
1977	108	22	56	13	24	1	14	0	2	0	0	0	1	8	31
1978	113	22	60	13	27	1	18	0	5	0	0	0	1	8	30
1979	113	21	80	13	33	1	24	0	5	0	0	0	4	7	39
1980	114	25	86	17	34	1	28	0	7	0	0	0	3	7	42
1981	115	27	88	17	40	1	30	0	13	0	0	0	3	9	37
1982	115	31	92	17	44	1	32	2	11	0	0	2	4	9	40
1983	114	32	94	17	46	1	35	2	12	0	0	2	5	10	41
1984	113	34	103	18	53	1	44	2	6	0	0	2	6	11	38
1985	114	31	102	15	54	1	33	2	10	0	0	1	9	12	40
1986	114	42	100	19	48	0	33	2	10	0	0	1	9	20	44
1987	114	49	108	25	58	1	40	3	12	0	0	1	7	19	41
1988	114	58	106	33	60	1	36	3	11	0	0	2	8	19	40
1989	114	61	111	33	63	1	38	3	27	0	0	2	10	22	38
1990	114	60	110	33	65	1	48	4	19	0	0	2	9	21	38
1991	114	62	110	36	66	1	7	5	16	0	5	2	7	20	36
1992	114	64	111	36	63	1	10	3	29	0	4	1	9	24	47
1993	114	69	113	39	67	1	7	6	24	0	12	0	9	24	43
1994	114	64	108	35	63	0	9	5	26	0	7	0	6	24	41
1995	114	62	109	36	63	1	25	7	24	0	6	0	3	20	38
1996	114	66	109	36	70	1	14	9	19	2	6	0	3	20	40
1997	114	63	111	35	65	1	16	9	31	2	4	0	4	18	38
1998	113	61	112	33	71	1	18	10	27	2	4	0	6	17	33
1999	113	63	107	36	72	2	30	10	25	0	6	0	5	16	32
2000	113	65	109	38	72	1	21	10	30	0	5	0	6	17	32
2001	113	65	98	37	67	2	5	11	18	0	0	0	3	16	27
2002	113	63	90	36	60	2	3	10	20	0	2	0	1	16	27
2003	113	61	86	35	57	2	5	9	16	0	1	0	1	16	28
2004	113	63	86	38	55	3	16	9	16	0	1	0	0	15	28
2005	113	63	92	38	61	3	17	9	19	0	0	0	3	15	28
2006	114	64	94	38	60	4	27	9	18	0	2	0	1	16	26
2007	114	58	88	35	60	4	25	7	20	0	1	0	1	14	26
2008	113	58	83	35	58	3	10	7	21	0	2	0	0	14	27
2009	113	59	88	35	56	4	20	7	16	0	1	0	0	14	24
2010	113	60	84	36	59	4	14	7	17	0	1	0	2	14	23
2011	113	60	93	36	59	4	12	8	18	0	3	0	1	13	25
2012	113	58	87	35	60	3	14	8	18	0	1	0	0	12	22
2013	113	59	90	36	55	3	14	6	19	0	9	0	0	14	25
2014	113	59	86	37	53	3	22	5	23	0	1	0	1	15	23
2015	112	60	89	37	56	3	22	5	19	0	0	0	0	16	24
2016	111	59	87	36	57	3	21	5	19	0	0	0	0	15	22
2017	111	59	87	36	60	3	25	5	24	0	4	0	0	15	22
2018	111	58	85	35	59	3	10	5	17	0	2	0	1	15	25
2019	111	57	85	34	55	3	23	5	21	0	0	0	1	15	24
2020	111	54	77	33	54	2	10	5	15	0	0	0	2	14	21
2021	111	50	72	31	57	1	15	5	16	0	0	0	1	13	20

Latent S04M Permits

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

Several complications make it difficult to accurately count the number of latent permits; therefore the figures should be viewed with caution. In some cases, permits might 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,¹² 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.

Individuals who hold a DNR Shore Fishery Lease are required by regulation to fish at least four openings in years when they hold a lease; individuals may choose to refrain for no more than one year from using the site and still retain rights.¹³ The ‘Permits Fished and/or DNR Lease’ column counts permits that either held a DNR Shore Fishery Lease or made a commercial landing. The actual annual rate of latency likely lies between the rates given in this table.

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.

Table 4-6. Alaska Peninsula Salmon Set Gillnet Permit Latency, 1975-2021

Year	Total Fishery Permits	Permits with Landings		Permit Landings and/or DNR Lease		Year	Total Fishery Permits	Permits with Landings		Permit Landings and/or DNR Lease	
		Latency Rate	Latency Rate	Lease	Latency Rate			Latency Rate	Lease	Latency Rate	
1975	106	40	62.3%	48	54.70%	1999	113	107	5.3%	107	5.3%
1976	114	53	53.5%	56	50.90%	2000	113	109	3.5%	110	2.7%
1977	108	56	48.1%	60	44.40%	2001	113	98	13.3%	105	7.1%
1978	113	60	46.9%	65	42.50%	2002	113	90	20.4%	98	13.3%
1979	113	80	29.2%	81	28.30%	2003	113	86	23.9%	92	18.6%
1980	114	86	24.6%	89	21.90%	2004	113	86	23.9%	92	18.6%
1981	115	88	23.5%	90	21.70%	2005	113	92	18.6%	99	12.4%
1982	115	92	20.0%	96	16.50%	2006	114	94	17.5%	99	13.2%
1983	114	94	17.5%	97	14.90%	2007	114	88	22.8%	93	18.4%
1984	113	103	8.8%	104	8.00%	2008	113	83	26.5%	98	13.3%
1985	114	102	10.5%	103	9.60%	2009	113	88	22.1%	95	15.9%
1986	114	100	12.3%	100	12.30%	2010	113	84	25.7%	96	15.0%
1987	114	108	5.3%	109	4.40%	2011	113	93	17.7%	100	11.5%
1988	114	106	7.0%	110	3.50%	2012	113	87	23.0%	99	12.4%
1989	114	111	2.6%	112	1.80%	2013	113	90	20.4%	96	15.0%
1990	114	110	3.5%	111	2.60%	2014	113	86	23.9%	95	15.9%
1991	114	110	3.5%	110	3.50%	2015	112	89	20.5%	96	14.3%
1992	114	111	2.6%	112	1.80%	2016	111	87	21.6%	93	16.2%
1993	114	113	0.9%	114	0.00%	2017	111	87	21.6%	96	13.5%
1994	114	108	5.3%	110	3.50%	2018	111	85	23.4%	96	13.5%
1995	114	109	4.4%	111	2.60%	2019	111	85	23.4%	95	14.4%
1996	114	109	4.4%	111	2.60%	2020	111	77	30.6%	90	18.9%
1997	114	111	2.6%	111	2.60%	2021	111	72	35.1%	84	24.3%
1998	113	112	0.9%	112	0.90%						

- 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.
- When fewer than four individuals make landings, figures are masked due to confidentiality.

¹² See AS 16.05.680 (b) and AS 16.05.690 (b).

¹³ See 11 AAC 64.180.

New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S04M 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.

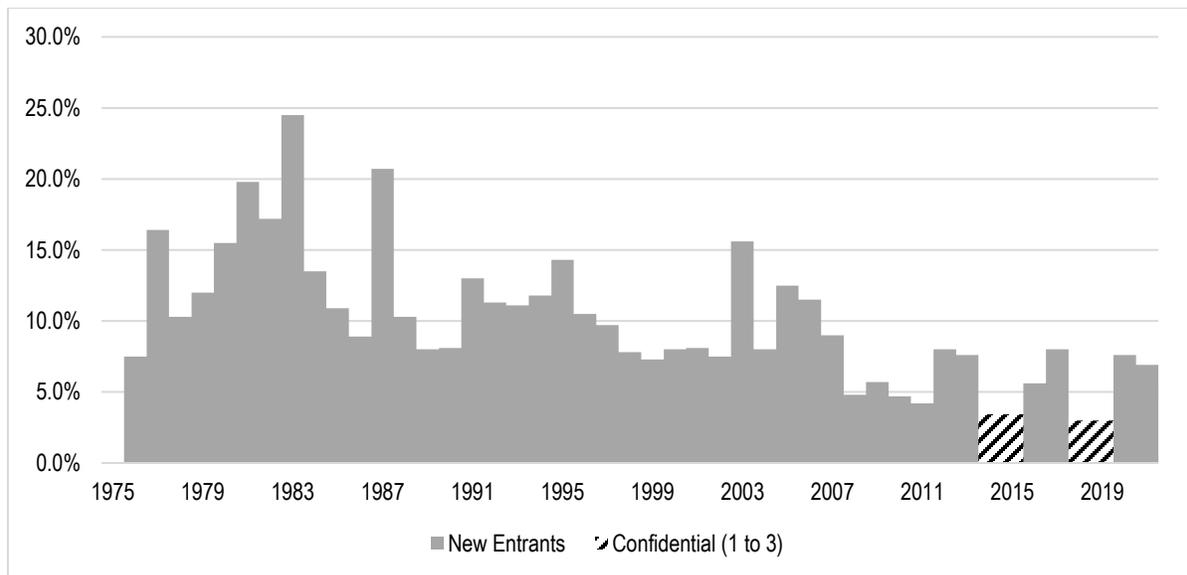
Table 4-7 and Figure 4-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S04M permit one year, and then in subsequent years hold a different S04M permit. Likewise, individuals may enter and exit 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 4-7. New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2021

Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent	Year	Individuals w/Landings	New Entrants Count	New Entrants Percent
1975	35	0	0.0%	1987	111	23	20.7%	1999	109	8	7.3%	2011	95	4	4.2%
1976	53	4	7.5%	1988	107	11	10.3%	2000	112	9	8.0%	2012	87	7	8.0%
1977	55	9	16.4%	1989	112	9	8.0%	2001	99	8	8.1%	2013	92	7	7.6%
1978	58	6	10.3%	1990	111	9	8.1%	2002	93	7	7.5%	2014	87	1 to 3	-
1979	83	10	12.0%	1991	115	15	13.0%	2003	90	14	15.6%	2015	89	1 to 3	-
1980	84	13	15.5%	1992	115	13	11.3%	2004	87	7	8.0%	2016	90	5	5.6%
1981	86	17	19.8%	1993	117	13	11.1%	2005	96	12	12.5%	2017	87	7	8.0%
1982	93	16	17.2%	1994	110	13	11.8%	2006	96	11	11.5%	2018	85	1 to 3	-
1983	94	23	24.5%	1995	112	16	14.3%	2007	89	8	9.0%	2019	85	1 to 3	-
1984	104	14	13.5%	1996	114	12	10.5%	2008	84	4	4.8%	2020	79	6	7.6%
1985	101	11	10.9%	1997	113	11	9.7%	2009	88	5	5.7%	2021	72	5	6.9%
1986	101	9	8.9%	1998	115	9	7.8%	2010	85	4	4.7%				

• This table excludes individuals with interim-entry and emergency transfer permits.

Figure 4-3. New Entrants into the Alaska Peninsula Set Gillnet Salmon Fishery, 1975-2021



Age of S04M Permit Holders

Table 4-8. Mean Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S04M	Combined Alaska Peninsula	Statewide Salmon Set Gillnet	Statewide All Permits	Mean AK Worker Age
1980	41.2	39.2	37.9	38.9	33.4
1981	39.6	38.4	38.0	39.9	33.5
1982	39.7	38.2	38.2	40.0	33.6
1983	39.2	37.7	38.0	40.2	33.7
1984	38.6	38.0	38.2	40.4	33.8
1985	38.0	38.1	38.5	40.8	34.0
1986	39.1	38.6	38.8	41.0	34.2
1987	37.7	39.0	39.0	40.9	34.5
1988	39.0	39.6	39.3	41.2	34.9
1989	39.6	39.8	39.9	41.5	35.3
1990	39.7	40.0	40.0	42.0	35.5
1991	40.0	40.5	40.5	42.5	35.9
1992	40.6	40.9	40.8	42.9	36.2
1993	41.7	42.1	41.2	43.5	36.5
1994	43.0	43.0	41.5	44.0	36.7
1995	43.6	43.5	41.9	44.4	37.0
1996	43.8	43.7	42.3	44.8	37.2
1997	43.5	44.3	42.6	45.1	37.4
1998	44.6	45.2	43.1	45.6	37.6
1999	45.2	45.5	43.4	46.0	37.8
2000	45.5	45.9	43.7	46.4	37.9
2001	45.8	46.4	44.1	46.9	38.1
2002	47.0	47.1	44.8	47.4	38.3
2003	47.1	48.0	45.2	47.9	38.4
2004	47.6	48.8	45.4	48.2	38.6
2005	47.1	48.5	45.4	48.4	38.7
2006	46.9	48.8	45.6	48.7	38.8
2007	47.2	49.6	45.9	48.9	38.9
2008	47.1	49.3	45.9	49.0	39.0
2009	47.9	49.8	46.1	49.3	39.1
2010	48.5	49.6	46.3	49.5	39.2
2011	49.0	50.0	46.6	49.6	39.4
2012	48.9	50.7	47.0	49.8	39.4
2013	48.8	50.6	47.0	50.0	39.5
2014	48.2	50.3	47.2	50.2	39.5
2015	49.0	51.0	47.6	50.6	39.5
2016	49.5	50.9	48.0	50.9	39.6
2017	50.2	51.4	48.2	51.3	40.1
2018	51.0	50.9	48.4	51.7	40.1
2019	51.4	50.4	48.8	51.9	40.1
2020	52.0	50.8	49.2	52.3	40.0
2021	52.7	51.5	49.5	52.6	39.9

- Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- Age data from the CFEC permit file is as of December 31st of each year.

Table 4-7 shows the annual mean age of four different cohorts of people: 1) Alaska Peninsula salmon set gillnet (S04M) permit holders; 2) combined Alaska Peninsula permits; 3) all salmon set gillnet permit holders statewide; 4) all CFEC limited entry permit holders; and 5) the Alaskan working population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits. 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 mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The change in ages over the same period for all CFEC permit holders was 13.7 years, and 11.6 years for the statewide set gillnet permit holders.

For S04M permit holders, the mean age increased 11.5 years.

S04M Permit Value

Many permit transfers are non-monetary transactions (see Table 4-2). Table 4-8 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 4-9. CFEC Estimated Value of Alaska Peninsula Salmon Set Gillnet Permits

Year	S04M Permit Sales	Nominal Permit Value	Real Permit Value	Real Standard Deviation
1987	9	\$61,500	\$152,200	\$7,300
1988	2	\$79,300	\$204,900	\$51,300
1989	1	\$80,000	\$195,000	\$58,300
1990	2	\$112,500	\$265,500	\$62,400
1991	2	\$147,500	\$310,500	\$26,400
1992	7	\$101,400	\$203,200	\$26,600
1993	8	\$124,400	\$242,100	\$36,900
1994	3	\$107,900	\$206,200	\$45,500
1995	10	\$109,200	\$201,600	\$21,200
1996	2	\$106,200	\$190,700	\$13,600
1997	8	\$94,400	\$165,300	\$20,700
1998	4	\$78,800	\$135,800	\$12,800
1999	2	\$86,200	\$146,900	\$22,100
2000	4	\$88,800	\$145,100	\$5,800
2001	2	\$67,900	\$105,100	\$32,300
2002	3	\$52,600	\$84,100	\$33,900
2003	2	\$48,100	\$74,300	\$24,200
2004	3	\$38,100	\$57,200	\$10,700
2005	8	\$50,500	\$72,700	\$11,500
2006	5	\$56,800	\$79,300	\$5,600
2007	2	\$57,400	\$80,200	\$6,000
2008	4	\$51,200	\$66,900	\$8,500
2009	1	\$51,200	\$67,600	\$9,100
2010	6	\$49,600	\$63,900	\$6,600
2011	5	\$54,000	\$67,500	\$4,700
2012	2	\$55,000	\$68,000	\$700
2013	3	\$55,600	\$67,400	\$3,500
2014	0	\$55,600	\$67,400	\$3,500
2015	2	\$55,600	\$67,400	\$3,000
2016	2	\$56,500	\$66,800	\$2,800
2017	4	\$56,800	\$65,100	\$1,500
2018	1	\$55,800	\$63,000	\$2,400
2019	1	\$56,400	\$63,600	\$2,000
2020	0	\$56,400	\$63,600	\$2,000
2021	3	\$54,900	\$56,900	\$6,300

- Permit values represent averages of all arms-length sale transactions over the year.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Participation and Earnings

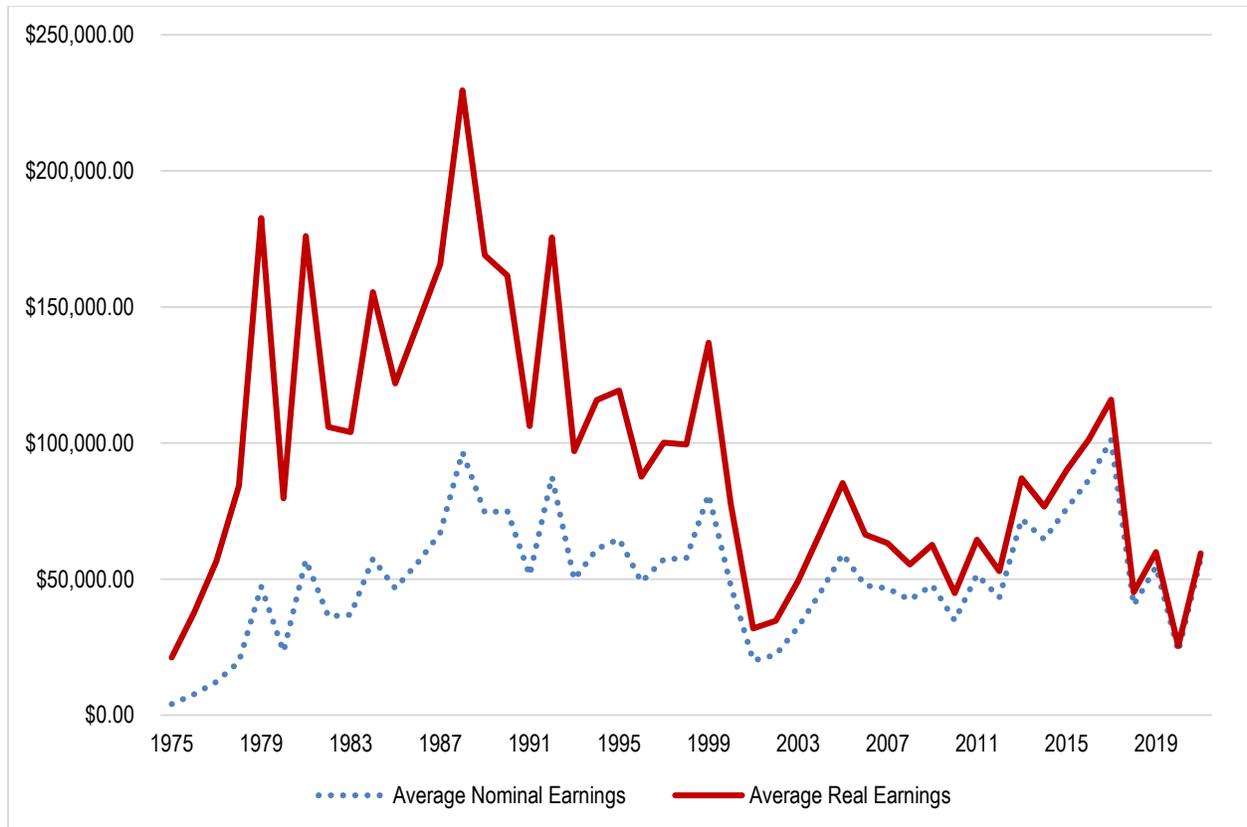
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, come primarily from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 4-4 reflect both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of 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 in the Alaska Peninsula salmon set gillnet fishery was in 1997. 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 4-10 reports the number of permits issued and estimated gross earnings in the Alaska Peninsula salmon set gillnet fishery from 1975 to 2021. 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 4-11 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type.

Figure 4-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Set Gillnet Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 4-10. Estimated Total Gross Earnings (Real and Nominal) for Alaska Peninsula Salmon Set Gillnet Fishery, With Average Gross (Real) Earnings by Permit, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Nominal Earnings	Average Real Earnings
		Nominal	Real			
1975	106	\$161,999	\$846,314	40	\$4,050	\$21,158
1976	114	\$402,633	\$1,989,156	53	\$7,597	\$37,531
1977	108	\$681,939	\$3,163,356	56	\$12,177	\$56,488
1978	113	\$1,172,437	\$5,053,066	60	\$19,541	\$84,218
1979	113	\$3,774,069	\$14,620,352	80	\$47,176	\$182,754
1980	114	\$2,007,417	\$6,848,595	86	\$23,342	\$79,635
1981	115	\$5,011,217	\$15,495,118	88	\$56,946	\$176,081
1982	115	\$3,341,823	\$9,736,237	92	\$36,324	\$105,829
1983	114	\$3,464,938	\$9,780,728	94	\$36,861	\$104,050
1984	113	\$5,918,493	\$16,017,705	103	\$57,461	\$155,512
1985	114	\$4,754,871	\$12,427,852	102	\$46,616	\$121,842
1986	114	\$5,602,877	\$14,371,514	100	\$56,029	\$143,715
1987	114	\$7,228,633	\$17,886,166	108	\$66,932	\$165,613
1988	114	\$10,237,756	\$24,339,296	106	\$96,583	\$229,616
1989	114	\$8,270,160	\$18,756,163	111	\$74,506	\$168,974
1990	114	\$8,256,037	\$17,765,176	110	\$75,055	\$161,502
1991	114	\$5,657,561	\$11,679,216	110	\$51,432	\$106,175
1992	114	\$9,728,766	\$19,493,215	111	\$87,647	\$175,615
1993	114	\$5,632,529	\$10,962,153	113	\$49,845	\$97,010
1994	114	\$6,595,484	\$12,510,084	108	\$61,069	\$115,834
1995	114	\$7,048,492	\$13,004,503	109	\$64,665	\$119,307
1996	114	\$5,332,019	\$9,557,452	109	\$48,918	\$87,683
1997	114	\$6,347,383	\$11,117,562	111	\$57,184	\$100,158
1998	113	\$6,457,583	\$11,137,691	112	\$57,657	\$99,444
1999	113	\$8,675,911	\$14,643,344	107	\$81,083	\$136,854
2000	113	\$5,160,633	\$8,425,677	109	\$47,345	\$77,300
2001	113	\$1,962,668	\$3,116,341	98	\$20,027	\$31,799
2002	113	\$1,994,200	\$3,116,972	90	\$22,158	\$34,633
2003	113	\$2,775,089	\$4,241,236	86	\$32,268	\$49,317
2004	113	\$3,872,710	\$5,764,429	86	\$45,032	\$67,028
2005	113	\$5,450,949	\$7,847,356	92	\$59,249	\$85,297
2006	114	\$4,475,089	\$6,241,142	94	\$47,607	\$66,395
2007	114	\$4,100,182	\$5,559,683	88	\$46,593	\$63,178
2008	113	\$3,518,911	\$4,595,092	83	\$42,397	\$55,363
2009	113	\$4,202,288	\$5,507,044	88	\$47,753	\$62,580
2010	113	\$2,924,358	\$3,770,496	84	\$34,814	\$44,887
2011	113	\$4,801,415	\$6,001,215	93	\$51,628	\$64,529
2012	113	\$3,755,655	\$4,598,968	87	\$43,168	\$52,862
2013	113	\$6,490,025	\$7,832,592	90	\$72,111	\$87,029
2014	113	\$5,551,202	\$6,592,610	86	\$64,549	\$76,658
2015	112	\$6,749,979	\$8,006,781	89	\$75,842	\$89,964
2016	111	\$7,524,497	\$8,814,309	87	\$86,488	\$101,314
2017	111	\$8,796,484	\$10,089,418	87	\$101,109	\$115,970
2018	111	\$3,430,376	\$3,840,769	85	\$40,357	\$45,186
2019	111	\$4,633,226	\$5,095,187	85	\$54,509	\$59,943
2020	111	\$1,799,176	\$1,954,455	77	\$23,366	\$25,383
2021	111	\$4,126,719	\$4,281,728	72	\$57,316	\$59,468

- Adjusted for inflation to 2022 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 individuals make landings, values are masked due to confidentiality.

Table 4-11. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Set Gillnet Fishery by Resident Type, 1975-2021

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	35	\$20,489	\$717,108	1 to 3	confidential	confidential	1 to 3	confidential	confidential	40	\$21,158	\$846,314
1976	49	\$34,731	\$1,701,837	1 to 3	confidential	confidential	confidential	confidential	confidential	55	\$36,166	\$1,989,156
1977	49	\$47,497	\$2,327,350	1 to 3	confidential	confidential	confidential	confidential	confidential	56	\$56,488	\$3,163,356
1978	52	\$62,732	\$3,262,082	confidential	confidential	confidential	1 to 3	confidential	confidential	60	\$84,218	\$5,053,066
1979	72	\$149,424	\$10,758,561	7	\$381,427	\$2,669,987	6	\$185,435	\$1,112,609	86	\$170,004	\$14,620,352
1980	68	\$64,343	\$4,375,300	13	\$136,065	\$1,768,848	7	\$100,635	\$704,447	88	\$77,825	\$6,848,595
1981	70	\$152,800	\$10,696,004	13	\$264,278	\$3,435,620	6	\$227,249	\$1,363,494	89	\$174,102	\$15,495,118
1982	71	\$78,986	\$5,607,998	16	\$164,248	\$2,627,966	8	\$187,534	\$1,500,273	95	\$102,487	\$9,736,237
1983	70	\$105,244	\$7,367,082	14	\$62,614	\$876,599	11	\$137,590	\$1,513,490	95	\$102,707	\$9,757,171
1984	81	\$150,628	\$12,200,844	14	\$127,189	\$1,780,644	11	\$185,111	\$2,036,217	106	\$151,110	\$16,017,705
1985	69	\$108,945	\$7,517,204	19	\$119,011	\$2,261,207	15	\$176,629	\$2,649,440	103	\$120,659	\$12,427,852
1986	67	\$145,056	\$9,718,764	17	\$119,896	\$2,038,229	19	\$137,606	\$2,614,521	103	\$139,529	\$14,371,514
1987	72	\$163,029	\$11,738,094	18	\$144,680	\$2,604,237	22	\$161,083	\$3,543,835	112	\$159,698	\$17,886,166
1988	72	\$222,102	\$15,991,352	16	\$206,151	\$3,298,419	19	\$265,764	\$5,049,525	107	\$227,470	\$24,339,296
1989	75	\$163,866	\$12,289,970	17	\$151,808	\$2,580,735	21	\$185,022	\$3,885,459	113	\$165,984	\$18,756,163
1990	76	\$154,090	\$11,710,803	16	\$146,044	\$2,336,705	20	\$185,883	\$3,717,668	112	\$158,618	\$17,765,176
1991	79	\$94,954	\$7,501,391	15	\$120,360	\$1,805,393	22	\$107,838	\$2,372,432	116	\$100,683	\$11,679,216
1992	79	\$155,100	\$12,252,880	13	\$242,037	\$3,146,484	24	\$170,577	\$4,093,851	116	\$168,045	\$19,493,215
1993	83	\$89,756	\$7,449,729	15	\$90,718	\$1,360,773	20	\$107,583	\$2,151,651	118	\$92,900	\$10,962,153
1994	77	\$107,217	\$8,255,698	13	\$147,721	\$1,920,369	21	\$111,144	\$2,334,017	111	\$112,703	\$12,510,084
1995	79	\$112,806	\$8,911,671	11	\$143,643	\$1,580,070	23	\$109,251	\$2,512,762	113	\$115,084	\$13,004,503
1996	81	\$75,547	\$6,119,332	10	\$98,663	\$986,625	23	\$106,587	\$2,451,495	114	\$83,837	\$9,557,452
1997	79	\$92,806	\$7,331,678	9	\$104,489	\$940,401	26	\$109,442	\$2,845,483	114	\$97,522	\$11,117,562
1998	76	\$100,904	\$7,668,720	15	\$93,730	\$1,405,954	24	\$85,959	\$2,063,017	115	\$96,849	\$11,137,691
1999	71	\$136,596	\$9,698,309	19	\$128,493	\$2,441,359	19	\$131,772	\$2,503,676	109	\$134,343	\$14,643,344
2000	70	\$76,212	\$5,334,872	18	\$78,922	\$1,420,600	24	\$69,592	\$1,670,204	112	\$75,229	\$8,425,677
2001	66	\$32,037	\$2,114,434	15	\$26,146	\$392,183	18	\$33,874	\$609,723	99	\$31,478	\$3,116,341
2002	65	\$33,951	\$2,206,789	16	\$29,317	\$469,078	12	\$36,759	\$441,105	93	\$33,516	\$3,116,972
2003	60	\$49,467	\$2,968,014	17	\$39,374	\$669,360	13	\$46,451	\$603,862	90	\$47,125	\$4,241,236
2004	62	\$63,701	\$3,949,463	11	\$64,448	\$708,930	14	\$79,003	\$1,106,036	87	\$66,258	\$5,764,429
2005	64	\$89,257	\$5,712,428	16	\$69,492	\$1,111,870	16	\$63,941	\$1,023,058	96	\$81,743	\$7,847,356
2006	65	\$71,254	\$4,631,542	19	\$47,775	\$907,734	12	\$58,489	\$701,866	96	\$65,012	\$6,241,142
2007	67	\$62,900	\$4,214,330	11	\$51,813	\$569,945	11	\$70,492	\$775,409	89	\$62,468	\$5,559,683
2008	64	\$56,063	\$3,588,043	10	\$62,332	\$623,320	10	\$38,373	\$383,730	84	\$54,703	\$4,595,092
2009	64	\$64,511	\$4,128,700	12	\$75,618	\$907,421	12	\$39,244	\$470,923	88	\$62,580	\$5,507,044
2010	66	\$45,337	\$2,992,226	9	\$57,779	\$520,015	10	\$25,826	\$258,255	85	\$44,359	\$3,770,496
2011	72	\$68,771	\$4,951,541	12	\$58,851	\$706,214	11	\$31,224	\$343,460	95	\$63,171	\$6,001,215
2012	68	\$54,395	\$3,698,871	9	\$50,798	\$457,178	10	\$44,292	\$442,919	87	\$52,862	\$4,598,968
2013	71	\$84,940	\$6,030,718	9	\$119,972	\$1,079,747	12	\$60,177	\$722,126	92	\$85,137	\$7,832,592
2014	66	\$77,658	\$5,125,433	11	\$75,348	\$828,827	10	\$63,835	\$638,350	87	\$75,777	\$6,592,610
2015	66	\$93,346	\$6,160,846	11	\$108,820	\$1,197,018	12	\$54,076	\$648,917	89	\$89,964	\$8,006,781
2016	70	\$97,427	\$6,819,868	9	\$95,811	\$862,299	11	\$102,922	\$1,132,142	90	\$97,937	\$8,814,309
2017	65	\$113,356	\$7,368,155	10	\$126,547	\$1,265,469	12	\$121,316	\$1,455,794	87	\$115,970	\$10,089,418
2018	62	\$39,423	\$2,444,213	9	\$60,536	\$544,824	14	\$60,838	\$851,731	85	\$45,186	\$3,840,769
2019	66	\$54,860	\$3,620,754	9	\$101,703	\$915,326	10	\$55,911	\$559,107	85	\$59,943	\$5,095,187
2020	64	\$20,796	\$1,330,957	7	\$41,719	\$292,035	8	\$41,433	\$331,464	79	\$24,740	\$1,954,455
2021	54	\$48,507	\$2,619,364	8	\$107,992	\$863,934	10	\$79,843	\$798,430	72	\$59,468	\$4,281,728

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four individuals in a cohort make landings, counts of participation and earnings are masked for both that cohort and at least one other cohort that year.
- 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.

Table 4-12. Gross Real Earnings for the Alaska Peninsula Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975-2021

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	11	\$62,659	1 to 3	confidential	1 to 3	confidential	0	\$0	0	\$0	28	\$775,409	40	\$846,314
1976	18	\$764,025	confidential	confidential	1 to 3	confidential	0	\$0	0	\$0	29	\$1,050,067	53	\$1,989,156
1977	20	\$866,548	14	\$443,829	1 to 3	confidential	0	\$0	1 to 3	confidential	30	\$1,831,794	56	\$3,163,356
1978	23	\$1,222,555	17	\$274,568	confidential	confidential	0	\$0	1 to 3	confidential	30	\$3,445,426	60	\$5,053,066
1979	32	\$3,921,384	24	\$1,251,230	5	\$33,953	0	\$0	4	\$326,018	39	\$9,087,767	80	\$14,620,352
1980	31	\$2,094,342	28	\$1,235,487	confidential	confidential	0	\$0	1 to 3	confidential	42	\$3,301,196	86	\$6,848,595
1981	38	\$5,132,501	30	\$2,424,677	confidential	confidential	0	\$0	1 to 3	confidential	36	\$7,137,525	88	\$15,495,118
1982	40	\$2,587,308	32	\$1,311,931	confidential	confidential	0	\$0	1 to 3	confidential	40	\$5,389,320	92	\$9,736,237
1983	44	\$3,890,714	35	\$2,243,399	12	\$281,875	0	\$0	4	\$63,161	39	\$3,301,578	94	\$9,780,728
1984	52	\$7,932,137	44	\$4,410,194	6	\$549,013	0	\$0	5	\$8,060	38	\$3,118,300	103	\$16,017,705
1985	53	\$2,760,329	33	\$1,166,782	10	\$569,668	0	\$0	9	\$107,574	40	\$7,823,498	102	\$12,427,852
1986	47	\$7,003,165	33	\$1,861,462	10	\$606,460	0	\$0	9	\$245,970	44	\$4,654,456	100	\$14,371,514
1987	58	\$10,108,356	40	\$3,060,439	12	\$638,545	0	\$0	7	\$306,530	40	\$3,772,297	108	\$17,886,166
1988	57	\$12,584,899	36	\$2,595,992	11	\$1,188,531	0	\$0	8	\$621,330	39	\$7,348,544	106	\$24,339,296
1989	62	\$8,973,994	38	\$1,951,865	27	\$1,095,381	0	\$0	10	\$375,345	38	\$6,359,578	111	\$18,756,163
1990	64	\$7,214,530	48	\$2,755,961	19	\$679,939	0	\$0	8	\$434,791	38	\$6,676,387	110	\$17,765,176
1991	66	\$7,461,977	6	\$36,840	15	\$1,046,162	5	\$30,383	6	\$233,326	36	\$2,870,528	110	\$11,679,216
1992	63	\$9,776,371	9	\$127,880	29	\$2,905,331	4	\$156,685	8	\$338,399	46	\$6,188,549	111	\$19,493,215
1993	66	\$4,888,049	6	\$23,929	23	\$1,048,751	12	\$147,402	9	\$244,552	43	\$4,609,470	113	\$10,962,153
1994	62	\$7,462,568	9	\$228,789	26	\$1,514,329	7	\$92,759	6	\$128,268	40	\$3,083,370	108	\$12,510,084
1995	62	\$7,579,031	24	\$304,179	22	\$1,414,827	confidential	confidential	1 to 3	confidential	35	\$3,572,832	109	\$13,004,503
1996	69	\$5,754,122	14	\$146,450	18	\$432,745	confidential	confidential	1 to 3	confidential	37	\$3,136,820	109	\$9,557,452
1997	63	\$5,999,621	15	\$171,765	30	\$1,376,819	1 to 3	confidential	confidential	confidential	35	\$3,377,918	111	\$11,117,562
1998	69	\$7,465,006	17	\$373,769	27	\$1,591,486	1 to 3	confidential	confidential	confidential	30	\$1,577,521	112	\$11,137,691
1999	71	\$9,923,003	30	\$773,701	24	\$1,478,135	6	\$29,283	5	\$149,479	30	\$2,289,744	107	\$14,643,344
2000	70	\$5,526,254	21	\$259,135	30	\$1,075,621	5	\$30,238	6	\$164,098	30	\$1,370,330	109	\$8,425,677
2001	63	\$2,225,072	1 to 3	confidential	15	\$263,993	0	\$0	1 to 3	confidential	25	\$611,232	98	\$3,116,341
2002	54	\$1,721,174	1 to 3	confidential	19	\$449,047	1 to 3	confidential	1 to 3	confidential	24	\$930,183	90	\$3,116,972
2003	52	\$2,513,131	1 to 3	confidential	15	\$509,241	1 to 3	confidential	1 to 3	confidential	26	\$1,179,574	86	\$4,241,236
2004	51	\$3,241,573	confidential	confidential	15	\$685,204	1 to 3	confidential	0	\$0	26	\$1,678,003	86	\$5,764,429
2005	55	\$4,729,858	confidential	confidential	16	\$965,105	0	\$0	1 to 3	confidential	26	\$1,377,637	92	\$7,847,356
2006	56	\$3,352,151	26	\$1,005,795	18	\$856,398	1 to 3	confidential	1 to 3	confidential	23	\$1,014,719	94	\$6,241,142
2007	57	\$2,897,440	25	\$531,947	19	\$715,756	1 to 3	confidential	1 to 3	confidential	24	\$1,412,574	88	\$5,559,683
2008	49	\$2,905,588	confidential	confidential	19	\$791,526	1 to 3	confidential	0	\$0	23	\$837,033	83	\$4,595,092
2009	52	\$3,475,027	17	\$351,997	confidential	confidential	1 to 3	confidential	0	\$0	24	\$932,738	88	\$5,507,044
2010	53	\$2,640,688	11	\$87,781	14	\$416,788	1 to 3	confidential	1 to 3	confidential	21	\$603,889	84	\$3,770,496
2011	56	\$4,722,570	8	\$119,325	15	\$579,337	1 to 3	confidential	1 to 3	confidential	24	\$523,968	93	\$6,001,215
2012	57	\$3,238,968	confidential	confidential	13	\$413,610	1 to 3	confidential	0	\$0	19	\$692,786	87	\$4,598,968
2013	52	\$5,372,837	11	\$110,247	17	\$836,405	9	\$97,430	0	\$0	24	\$1,415,673	90	\$7,832,592

-continued-

Alaska Peninsula Salmon Set Gillnet (S04M)

-Table 4-12 continued-

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
2014	45	\$3,274,959	21	\$833,470	22	\$1,114,457	1 to 3	confidential	1 to 3	confidential	21	\$1,359,520	86	\$6,592,610
2015	53	\$5,060,892	22	\$1,133,800	17	\$763,247	0	\$0	0	\$0	22	\$1,048,842	89	\$8,006,781
2016	53	\$5,487,016	20	\$810,492	17	\$960,584	0	\$0	0	\$0	21	\$1,556,216	87	\$8,814,309
2017	55	\$5,264,239	23	\$1,123,199	22	\$1,699,496	4	\$23,594	0	\$0	19	\$1,978,892	87	\$10,089,418
2018	50	\$2,092,049	8	\$97,396	17	\$361,925	1 to 3	confidential	1 to 3	confidential	23	\$1,277,105	85	\$3,840,769
2019	48	\$3,293,843	22	\$461,454	21	\$595,340	0	\$0	1 to 3	confidential	confidential	confidential	85	\$5,095,187
2020	45	\$1,144,667	confidential	confidential	15	\$240,560	0	\$0	1 to 3	confidential	17	\$458,516	77	\$1,954,455
2021	45	\$2,698,400	confidential	confidential	16	\$416,124	0	\$0	1 to 3	confidential	18	\$992,037	72	\$4,281,728

- *Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.*
- *Data is masked for confidentiality when fewer than four individuals are included in the count.*

Chapter 5 Permit Holdings in Multiple Fisheries

Prior to limited entry, many initial permit holders were issued permits in more than one fishery because of their established fishing history in multiple fisheries. Table 5-1 provides counts of permit holders who were issued permits in only one, two, or all three Alaska Peninsula salmon fisheries.

Table 5-1. Initial Issuance of Permits in the Alaska Peninsula Salmon Fisheries

Purse Seine Only	Drift Gillnet Only	Set Gillnet Only	Purse Seine & Drift Gillnet	Purse Seine and Set Gillnet	Set and Drift Gillnet	All Three
34	58	33	32	11	28	44

Table 5-2 shows the count of Alaska Peninsula salmon permit holders who participated in an Alaskan Peninsula fishery and/or one or more fisheries at some point during the year. Included in this table is also a mutually exclusive count of Alaska Peninsula permit holders who fished in fisheries other than Alaska Peninsula fisheries.

Table 5-3 depicts counts of Chignik salmon purse seine permit holders who participated in both the Chignik salmon purse seine fishery as well as other state fisheries in a given year.

Table 5-2. Fished Alaska Peninsula Salmon Permits

Year	Total	One Fishery			Two Fisheries			All Three	Other Fishery
		Purse	Drift	Set	Purse & Drift	Purse & Set	Drift & Set		
1975	144	25	53	19	26	1 to 3	18	1 to 3	14
1976	182	35	56	24	36	7	14	10	21
1977	176	28	57	23	35	12	13	8	18
1978	216	41	66	25	49	14	14	7	31
1979	257	51	75	50	46	9	12	14	34
1980	296	72	104	57	32	12	11	8	34
1981	308	81	114	60	24	12	11	6	36
1982	325	87	127	66	16	14	14	1 to 3	52
1983	347	96	141	73	14	11	11	1 to 3	26
1984	359	101	141	80	11	11	15	0	25
1985	363	111	142	80	7	10	12	1 to 3	28
1986	363	104	150	79	6	10	12	1 to 3	45
1987	372	101	152	94	7	11	7	0	94
1988	365	97	153	89	7	12	7	0	76
1989	370	102	150	91	5	13	9	0	67
1990	375	106	155	91	1 to 3	11	8	1 to 3	49
1991	384	108	158	93	1 to 3	13	confidential	0	81
1992	381	110	154	95	1 to 3	10	confidential	0	85
1993	391	112	159	100	1 to 3	11	confidential	0	67
1994	380	110	158	91	1 to 3	9	confidential	0	93
1995	378	105	158	93	1 to 3	11	confidential	0	70
1996	374	94	166	96	1 to 3	8	confidential	0	79
1997	350	78	157	99	1 to 3	6	confidential	0	83
1998	338	64	157	94	1 to 3	13	confidential	0	78
1999	333	66	158	92	0	9	8	0	69
2000	336	74	150	99	0	5	8	0	69
2001	280	49	130	80	1 to 3	14	confidential	0	66
2002	234	36	104	81	1 to 3	5	6	1 to 3	48
2003	233	41	100	79	1 to 3	1 to 3	8	1 to 3	55
2004	233	39	107	73	0	1 to 3	confidential	0	53
2005	248	40	113	79	0	5	11	0	62
2006	257	41	120	85	0	1 to 3	confidential	0	40
2007	251	42	119	77	0	4	9	0	36
2008	263	49	130	69	0	10	5	0	52
2009	272	48	135	73	1 to 3	confidential	9	0	46
2010	286	62	139	75	0	4	6	0	63
2011	282	50	137	79	0	9	7	0	71
2012	266	51	128	75	0	5	7	0	70
2013	267	52	123	73	0	9	9	1 to 3	57
2014	258	43	128	71	0	6	9	1 to 3	55
2015	269	51	129	70	0	6	11	1 to 3	48
2016	260	44	126	75	0	5	10	0	44
2017	271	51	133	73	0	5	8	1 to 3	39
2018	276	53	138	74	0	1 to 3	confidential	1 to 3	42
2019	291	66	140	71	0	5	8	1 to 3	45
2020	284	61	143	71	1 to 3	1 to 3	6	0	49
2021	282	66	143	63	1 to 3	confidential	5	0	53

Table 5-3. Chignik Salmon Permit Holder Participation in Other Fisheries

Year	Total	Only S01L		One Additional Fishery		Two Additional Fisheries		Three or More Additional Fisheries	
		Count	Percent	Count	Percent	Count	Percent	Count	Percent
1975	86	70	81.4%	10	11.6%	1 to 3	-	1 to 3	-
1976	79	65	82.3%	confidential	-	6	7.6%	1 to 3	-
1977	90	67	74.4%	confidential	-	10	11.1%	1 to 3	-
1978	94	68	72.3%	18	19.1%	4	4.3%	4	4.3%
1979	101	64	63.4%	17	16.8%	12	11.9%	8	7.9%
1980	102	75	73.5%	12	11.8%	11	10.8%	4	3.9%
1981	105	64	61.0%	21	20.0%	13	12.4%	7	6.7%
1982	103	62	60.2%	28	27.2%	7	6.8%	6	5.8%
1983	105	68	64.8%	21	20.0%	9	8.6%	7	6.7%
1984	104	66	63.5%	18	17.3%	confidential	-	1 to 3	-
1985	110	72	65.5%	23	20.9%	11	10.0%	4	3.6%
1986	107	61	57.0%	27	25.2%	13	12.1%	6	5.6%
1987	108	58	53.7%	19	17.6%	18	16.7%	13	12.0%
1988	105	57	54.3%	23	21.9%	19	18.1%	6	5.7%
1989	105	59	56.2%	30	28.6%	11	10.5%	5	4.8%
1990	107	54	50.5%	26	24.3%	18	16.8%	9	8.4%
1991	105	42	40.0%	38	36.2%	16	15.2%	9	8.6%
1992	112	46	41.1%	30	26.8%	18	16.1%	18	16.1%
1993	104	56	53.8%	29	27.9%	12	11.5%	7	6.7%
1994	104	45	43.3%	30	28.8%	confidential	-	1 to 3	-
1995	106	64	60.4%	30	28.3%	7	6.6%	5	4.7%
1996	106	62	58.5%	30	28.3%	9	8.5%	5	4.7%
1997	99	52	52.5%	26	26.3%	12	12.1%	9	9.1%
1998	86	49	57.0%	23	26.7%	confidential	-	1 to 3	-
1999	90	46	51.1%	25	27.8%	13	14.4%	6	6.7%
2000	102	60	58.8%	26	25.5%	confidential	-	1 to 3	-
2001	96	62	64.6%	20	20.8%	10	10.4%	4	4.2%
2002	42	29	69.0%	confidential	-	1 to 3	-	0	0.0%
2003	44	26	59.1%	13	29.5%	5	11.4%	0	0.0%
2004	32	17	53.1%	confidential	-	1 to 3	-	0	0.0%
2005	97	66	68.0%	18	18.6%	8	8.2%	5	5.2%
2006	49	32	65.3%	10	20.4%	confidential	-	1 to 3	-
2007	55	36	65.5%	13	23.6%	6	10.9%	0	0.0%
2008	56	37	66.1%	15	26.8%	4	7.1%	0	0.0%
2009	58	43	74.1%	confidential	-	1 to 3	-	0	0.0%
2010	69	55	79.7%	11	15.9%	1 to 3	-	1 to 3	-
2011	68	52	76.5%	11	16.2%	1 to 3	-	1 to 3	-
2012	69	48	69.6%	15	21.7%	confidential	-	1 to 3	-
2013	78	62	79.5%	12	15.4%	1 to 3	-	1 to 3	-
2014	70	55	78.6%	confidential	-	1 to 3	-	0	0.0%
2015	72	51	70.8%	15	20.8%	6	8.3%	0	0.0%
2016	69	50	72.5%	16	23.2%	1 to 3	-	1 to 3	-
2017	68	58	85.3%	confidential	-	1 to 3	-	0	0.0%
2018	6	confidential	-	0	0.0%	1 to 3	-	0	0.0%
2019	51	45	88.2%	confidential	-	1 to 3	-	0	0.0%
2020	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
2021	31	26	83.9%	1 to 3	-	1 to 3	-	0	0.0%