

CFEC Permit Holdings and Estimates of Gross Earnings in the Chignik and Alaska Peninsula Commercial Salmon Fisheries, 1975-2017

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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 Marcus Gho

Acknowledgements

Special thanks to Craig Farrington and Daniel Strong for their insights and contributions to this document.

Contents

<i>Introduction</i>	1
Description of the Data Files Used to Generate This Report.....	2
<i>Chapter 1 Chignik Salmon Purse Seine Fishery</i>	4
S01L Permit Holdings.....	4
Transfers of S01L Permits.....	5
Emergency Transfers of S01L Permits	6
Latent S01L Permits	7
New Entrants into the Chignik Salmon Purse Seine Fishery	8
Age of S01L Permit Holders.....	9
S01L Permit Value.....	10
Chignik Salmon Purse Seine Vessel Characteristics.....	11
Participation and Earnings	13
<i>Chapter 2 Alaska Peninsula Salmon Purse Seine Fishery</i>	16
S01M Permit Holdings.....	16
Transfers of S01M Permits.....	17
Emergency Transfers of S01M Permits	18
Latent S01M Permits	19
New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery	20
Age of S01M Permit Holders.....	21
S01M Permit Value.....	22
Alaska Peninsula Salmon Purse Seine Vessel Characteristics	23
Participation and Earnings	25
<i>Chapter 3 Alaska Peninsula Salmon Drift Gillnet Fishery</i>	29
S03M Permit Holdings.....	29
Transfers of S03M Permits.....	30
Emergency Transfers of S03M Permits	31
Latent S03M Permits	32
New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery	33
Age of S03M Permit Holders.....	34
S03M Permit Value.....	35
Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics	36
Participation and Earnings	38
<i>Chapter 4 Alaska Peninsula Salmon Set Gillnet Fishery</i>	42
S04M Permit Holdings.....	42
Transfers of S04M Permits.....	43
Emergency Transfers of S04M Permits	44
DNR Shore Fishery Leases in the Alaska Peninsula Set Gillnet Fishery.....	45
Latent S04M Permits	47
New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery.....	48
Age of S04M Permit Holders.....	49
S04M Permit Value.....	50
Participation and Earnings	51
<i>Chapter 5 Permit Holdings in Multiple Fisheries</i>	55
Appendix A. Locations of DNR Shore Fishery Leases.....	58

List of Tables

Table 0-1. Percent of Total Ex-vessel Value of Chignik and Alaska Peninsula Salmon Fisheries by Species, 1975-2017	1
Table 0-2. Communities Local to the Chignik Salmon Fisheries, as Indicated in the CFEC Census File	2
Table 0-3. Communities Local to the Alaska Peninsula Salmon Fisheries, as Indicated in the CFEC Census File	3
Table 1-1. Initial Issuance and Year-end 2017 Totals of Chignik Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type	4
Table 1-2. Transfer Acquisition Methods for Chignik Salmon Purse Seine Permits, 1980-2017	5
Table 1-3. Relationships of Transferor to Transfer Recipients for Chignik Salmon Purse Seine Permits, 1980-2017	5
Table 1-4. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2018	6
Table 1-5. Chignik Salmon Purse Seine Permit Latency, 1975-2018.....	7
Table 1-6. New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2018.....	8
Table 1-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population.....	9
Table 1-8. CFEC Estimated Value of Chignik Salmon Purse Seine Permits	10
Table 1-9. Chignik Salmon Purse Seine Vessel Characteristics	11
Table 1-10. Additional Chignik Salmon Purse Seine Vessel Characteristics	12
Table 1-11. Estimated Total Gross Earnings (Real and Nominal) for the Chignik Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2018	14
Table 1-12. Estimated Real Gross Earnings for Permit Holders in the Chignik Salmon Purse Seine Fishery by Resident Type, 1975-2018	15
Table 2-1. Initial Issuance and Year-end 2017 Totals of Alaska Peninsula Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type	16
Table 2-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Purse Seine Permits, 1980-2017	17
Table 2-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Purse Seine Permits, 1980-2017.....	17
Table 2-4. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017	18
Table 2-5. Alaska Peninsula Salmon Purse Seine Permit Latency, 1975-2017.....	19
Table 2-6. New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017.....	20
Table 2-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population.....	21
Table 2-8. CFEC Estimated Value of Alaska Peninsula Salmon Purse Seine Permits	22
Table 2-9. Alaska Peninsula Salmon Purse Seine Vessel Characteristics	23
Table 2-10. Additional Alaska Peninsula Salmon Purse Seine Vessel Characteristics	24
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, 1975-2017	26
Table 2-12. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Purse Seine Fishery by Resident Type, 1975-2017	27
Table 2-13. Gross Real Earnings for the Alaska Peninsula Salmon Purse Seine Fishery by ADF&G Salmon District, 1975 to 2017	28
Table 3-1. Initial Issuance and Year-end 2017 Totals of Alaska Peninsula Salmon Drift Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type	29
Table 3-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2017	30
Table 3-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2017.....	30
Table 3-4. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017.....	31
Table 3-5. Alaska Peninsula Salmon Drift Gillnet Permit Latency, 1975-2017	32
Table 3-6. New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017.....	33
Table 3-7. Mean Age of Select CFEC Permit Holders and the General Alaskan Population.....	34
Table 3-8. CFEC Estimated Value of Alaska Peninsula Salmon Drift Gillnet Permits	35
Table 3-9. Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics	36
Table 3-10. Additional Alaska Peninsula Salmon Drift Gillnet Vessel Characteristics	37

List of Tables continued

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, 1975-2017	39
Table 3-12. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Drift Gillnet Fishery by Resident Type, 1975-2017	40
Table 3-13. Gross Real Earnings for the Alaska Peninsula Salmon Drift Gillnet Fishery by ADF&G Salmon District, 1975 to 2017	41
Table 4-1. Initial Issuance and Year-end 2017 Totals of Alaska Peninsula Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type	42
Table 4-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Set Gillnet Permits, 1980-2017	43
Table 4-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Set Gillnet Permits, 1980-2017	43
Table 4-4. Use of Emergency Transfer Permits in the Alaska Peninsula Set Gillnet Fishery, 1975-2017	44
Table 4-5. Alaska Peninsula Set Gillnet DNR Shore Fishery Leases by District	46
Table 4-6. Alaska Peninsula Salmon Set Gillnet Permit Latency, 1975-2017	47
Table 4-7. New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2017	48
Table 4-8. Mean Age of Select CFEC Permit Holders and the General Alaskan Population	49
Table 4-9. CFEC Estimated Value of Alaska Peninsula Salmon Set Gillnet Permits	50
Table 4-10. Estimated Total Gross Earnings (Real and Nominal) for the Alaska Peninsula Salmon Set Gillnet Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2017	52
Table 4-11. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Set Gillnet Fishery by Resident Type, 1975-2017	53
Table 4-12. Gross Real Earnings for the Alaska Peninsula Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975 to 2017	54
Table 5-1. Initial Issuance of Permits in the Alaska Peninsula Salmon Fisheries	55
Table 5-2. Fished Salmon Permits in Alaska Peninsula	56
Table 5-3. Chignik Salmon Permit Holder Participation in Other Fisheries	57

List of Figures

Figure 1-1. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2018	6
Figure 1-2. Chignik Salmon Purse Seine Permit Latency Rate, 1975-2018	7
Figure 1-3. Rate of New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2018	8
Figure 1-4. Estimated Nominal and Real Average Gross Earnings Per Chignik Salmon Purse Seine Permit	13
Figure 2-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017	18
Figure 2-2. Alaska Peninsula Salmon Purse Seine Permit Latency Rate, 1975-2017	19
Figure 2-3. Rate of New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017	20
Figure 2-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Purse Seine Permit	25
Figure 3-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017	31
Figure 3-2. Alaska Peninsula Salmon Drift Gillnet Permit Latency Rate, 1975-2017	32
Figure 3-3. Rate of New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017	33
Figure 3-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Drift Gillnet Permit	38
Figure 4-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2017	44
Figure 4-2. Count of Permits With DNR Shore Fishery Leases by District in Alaska Peninsula, 1975-2017	45
Figure 4-3. New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2017	48
Figure 4-4. Estimated Nominal and Real Average Gross Earnings Per Alaska Peninsula Salmon Set Gillnet Permit	51

Introduction

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

Information regarding season length, openings and closings, size, and other such data can be found in the Alaska Department of Fish and Game’s Area Management Reports. This report focuses on the economics of these commercial fisheries. This report provides an overview of limited entry permit holdings and estimated gross earnings in the Bristol Bay 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 exist in the financial composition for each of the five major Pacific salmon species commercially harvested from year to year and across each fishery. Commercial harvests of species other than salmon were documented at extremely low rates so they are not displayed in Table 0-1.

Table 0-1. Percent of Total Ex-vessel Value of Chignik and Alaska Peninsula Salmon Fisheries by Species, 1975-2017

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%	1.6%	0.7%
sockeye	84.2%	42.0%	91.4%	83.4%	73.1%
coho	4.4%	4.5%	2.5%	6.8%	4.2%
pink	6.9%	36.3%	0.4%	3.7%	13.8%
chum	4.0%	16.5%	5.0%	4.5%	8.2%

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

CFEC Gross Earnings File

The CFEC gross earnings file is based on ADF&G fish tickets and is augmented with CFEC permit holder and other data. The ex-vessel value for salmon in the CFEC gross earnings file largely come from the Commercial Operators Annual Report and ADF&G fish tickets with some additional information provided by processors. ADF&G salmon districts were mapped out from statistical areas using information provided by ADF&G. Several processes to validate and enhance fields such as vessel number and statistical area were undertaken to increase accuracy of this report. Because of the extraordinary circumstances of the 2018 Chignik commercial fishery, preliminary harvest data for that season was included from OCEANAK. Typically the time and effort to prepare harvest data ensures that this process is delayed; however, due to the low number of landings it was possible to include this preliminary data for this report.

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 and 0-3 list the communities that are currently designated as local to salmon commercial fisheries in the Census file for this report.

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

Chignik Chignik Bay Chignik Lagoon Chignik Lake Ivanof Bay Perryville

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 Harbor	Sand Point	Unga
Attu	Fort Glenn	Port Heiden	Shemya	Unimak
Attu Station	Herendeen Bay	Port Moller	Squaw Harbor	
Belkofski	King Cove	Saint George Island	St. George	

CFEC Vessel File

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

DNR Shore Fishery Lease Data File

The DNR Land Administration System contains records used to maintain the DNR Shore Fishery Lease program. These records were merged with the CFEC permit file to create a dataset. Creation of the dataset is described in CFEC Report Number 18-4N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2017*.

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 2017 Totals of Chignik Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

Residency	INITIAL ISSUE		TRANSFERS		MIGRATIONS		CANCELLED		2017 YEAR-END	
	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%	5	15.6%	0	0.0%	39	42.9%
Nonlocal	40	44.0%	10	25.0%	-13	-32.5%	0	0.0%	37	40.7%
Nonresident	19	20.9%	-12	-63.2%	8	42.1%	0	0.0%	15	16.5%
Total	91	100.0%	0	0.0%	0	0.0%	0	0.0%	91	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). This table indicates the extent to which these factors have contributed to net changes in permit holdings in this fishery.

From 2002 to 2005, the majority of S01L permit holders participated in a cooperative as established in the Chignik Area Cooperative Purse Seine Salmon Fishery Management Plan. The cooperative was repealed prior to the start of the 2006 commercial salmon season. From 2002 to 2004, the cooperative resulted in fewer permits used in the fishery as the earnings were spread among members of the cooperative, some of whom received benefits without fishing their permits. In 2005, the cooperative required all of its members to physically participate in the fishery. Please refer to the Alaska Department of Fish Game Fishery Management Report No. 07-56 for more information pertaining to this cooperative.

Exceptionally poor conditions existed in the 2018 Chignik Fishery, and led to a declaration of economic disaster for the region local to the fishery². When and where possible, this report provides summary statistics for the harvests and earnings made in 2018 in the fishery. Although the 2018 data are preliminary as of this writing, presenting the data serves to illustrate the exceptionally poor conditions found in the fishery in 2018 when compared to previous years of the fishery.

² State of Alaska Office of the Governor. Press Release 18-103, August 23, 2018.

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.³ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 1-2. Transfer Acquisition Methods for Chignik Salmon Purse Seine Permits, 1980-2017

Acquisition Method	Chignik Salmon Purse Seine		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	85	41.9%	1,178	31.6%	13,825	36.5%
<i>Sale</i>	106	52.2%	2,352	63.1%	22,262	58.8%
<i>Trade</i>	1	0.5%	64	1.7%	520	1.4%
<i>Other</i>	11	5.4%	133	3.6%	1,225	3.2%
Total	203		3,727		37,832	

Table 1-2 compares and contrasts transfer acquisition methods for the S01L permits, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2017. Just over a two-fifths of all S01L permit transfers were gifts (41.9% or 85/203), more than half of all transfers were sales (52.2%, or 106/203), and a smaller percentage were trades (0.5% or 1/203) or other (5.4% or 11/203). The annual acquisition methods for S01L permits can be viewed in a different publication.⁴

Table 1-3. Relationships of Transferor to Transfer Recipients for Chignik Salmon Purse Seine Permits, 1980-2017

Relationship	Chignik Salmon Purse Seine		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	21	10.3%	672	18.0%	6,992	18.5%
<i>Member of Immediate Family</i>	102	50.2%	1,192	32.0%	12,802	33.8%
<i>Other Relative</i>	7	3.4%	146	3.9%	1,743	4.6%
<i>Other</i>	73	36.0%	1,717	46.1%	16,295	43.1%
Total	203		3,727		37,832	

Table 1-3 shows the relationships between transferors and transfer recipients for S01L permits, and compares S01L permit transfers with statewide salmon purse seine permits, and all limited entry permits from 1980 to 2017. Transfers within the family, both immediate family members and other relatives, total 53.7% (109/203) of all transfers. This compares to 35.9% (1,338/3,727) for statewide salmon purse seine permits, and 38.4% (14,545/37,832) for all limited entry permits statewide.

³ CFEC implemented the transfer survey in 1980.

⁴ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2017*, CFEC Report No. 18-2N.

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 back to the permanent permit holder.

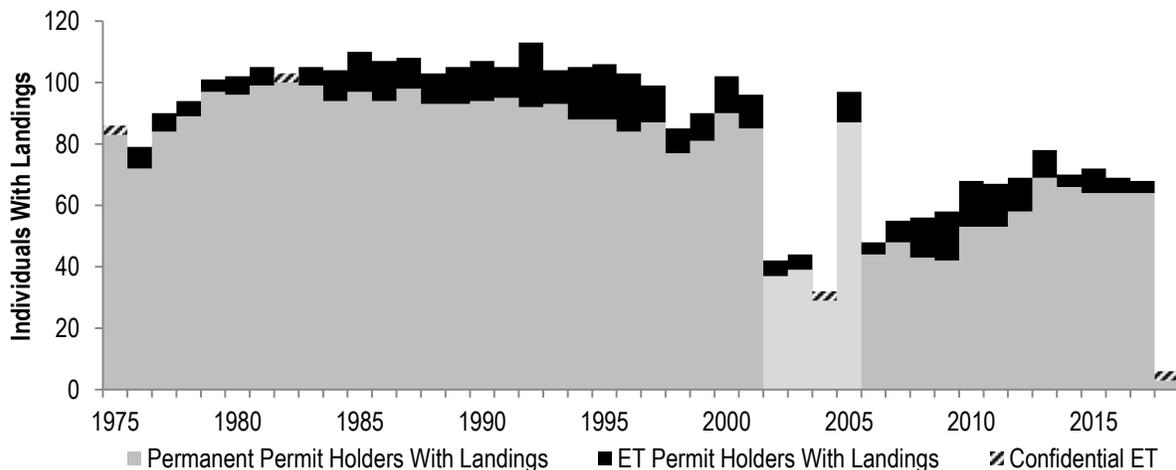
Table 1-4 and Figure 1-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 1-4. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2018

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

- 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.
- 2018 data is preliminary.

Figure 1-1. Use of Emergency Transfer Permits in the Chignik Salmon Purse Seine Fishery, 1975-2018



Latent S01L Permits

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

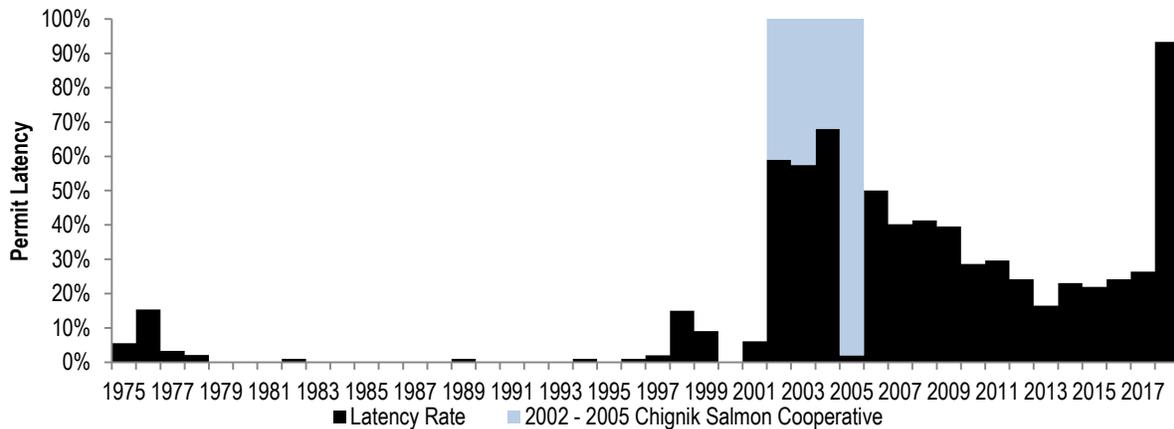
Table 1-5 indicates the total number of viable S01L permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 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, 1975-2018

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

- 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 from 2002 – 2004.
- 2018 data is preliminary.

Figure 1-2. Chignik Salmon Purse Seine Permit Latency Rate, 1975-2018



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. 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.

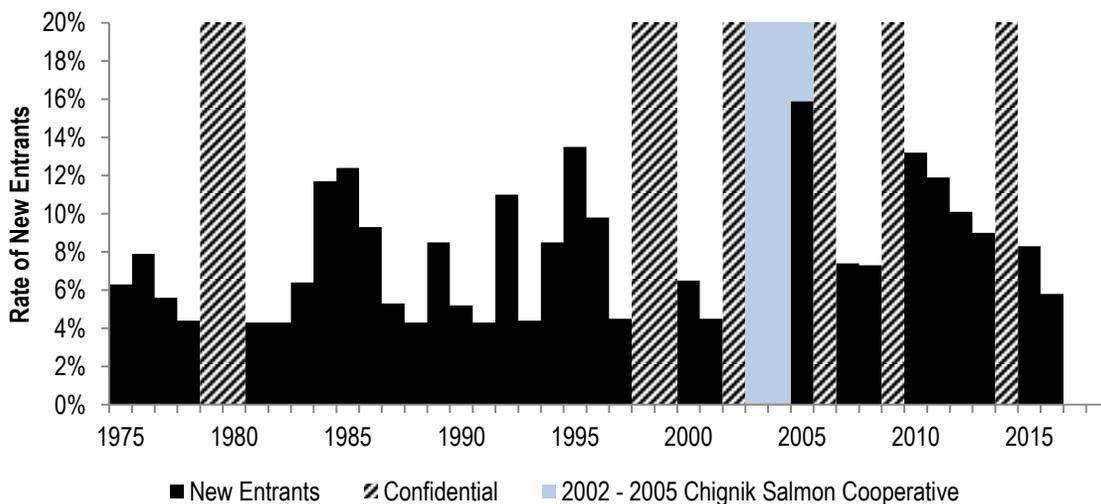
Table 1-6 and Figure 1-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01L permit one year, and then in subsequent years hold a different S01L permit. Likewise, individuals may enter and exit 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 on a permanent permit.

Table 1-6. New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2018

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

- This table excludes individuals with interim-entry and emergency transfer permits.
- Data is masked for confidentiality when fewer than four individuals are included in the count.
- 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.
- 2018 data is preliminary.

Figure 1-3. Rate of New Entrants into the Chignik Salmon Purse Seine Fishery, 1975-2018



Age of S01L Permit Holders

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

Year	Statewide			Mean AK Worker Age
	S01L	Salmon Purse Seine	Statewide All Permits	
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	39.6

- Mean AK Worker 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 1-7 shows the annual mean age of four different cohorts of people: 1) Chignik Salmon Purse Seine (S01L) permit holders; 2) statewide salmon purse seine permit holders 3) all CFEC limited entry permit holders; and 5) the Alaskan worker 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 worker age population has increased 6.1 years between 1980 and 2017, which represents an 18.4% increase. The percent change in ages over the same period for all CFEC permit holders was 31.7% (12.4 years), and 23.7% (10.0 years) for the statewide salmon purse seine permit holders.

For S01L permit holders, the mean age increased 20.5% (9.1 years).

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		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1984	4	\$322,500	-	\$760,839	-
1985	3	\$321,233	-	\$731,790	-
1987	0	\$315,667	-	\$681,129	-
1988	2	\$360,000	-	\$745,927	-
1989	2	\$371,667	-	\$734,702	-
1990	2	\$416,667	-	\$781,434	-
1991	2	\$409,400	\$58,450	\$736,800	\$105,193
1992	2	\$403,100	\$11,450	\$704,261	\$20,004
1993	2	\$349,800	\$87,800	\$593,377	\$148,938
1994	3	\$238,300	\$58,650	\$394,144	\$97,006
1995	6	\$228,300	\$11,250	\$367,197	\$18,094
1996	4	\$194,500	\$5,250	\$303,861	\$8,202
1997	6	\$188,300	\$11,500	\$287,577	\$17,563
1998	0	\$185,500	\$12,800	\$278,956	\$19,249
1999	4	\$158,800	\$48,700	\$233,644	\$71,653
2000	3	\$200,000	\$46,900	\$284,692	\$66,760
2001	1	\$185,800	\$43,250	\$257,161	\$59,861
2002	1	\$186,600	\$37,500	\$254,249	\$51,095
2003	4	\$179,500	\$9,800	\$239,125	\$13,055
2004	1	\$182,000	\$4,950	\$236,166	\$6,423
2005	5	\$159,600	\$26,200	\$200,313	\$32,883
2006	3	\$146,500	\$28,150	\$178,125	\$34,227
2007	1	\$131,500	\$12,350	\$155,459	\$14,600
2008	3	\$91,300	\$22,500	\$103,944	\$25,616
2009	4	\$70,800	\$8,100	\$80,893	\$9,255
2010	8	\$78,400	\$11,150	\$88,131	\$12,534
2011	4	\$95,100	\$4,100	\$103,632	\$4,468
2012	2	\$97,600	\$2,750	\$104,200	\$2,936
2013	4	\$186,300	\$26,250	\$196,027	\$27,621
2014	4	\$211,300	\$22,500	\$218,783	\$23,297
2015	1	\$227,500	\$14,450	\$235,278	\$14,944
2016	3	\$167,200	\$55,450	\$170,762	\$56,631
2017	0	\$167,200	\$55,450	\$167,200	\$55,450
2018	1	\$136,400	\$21,800	\$133,154	\$21,281

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2017 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 from 2002 – 2004. Average Earnings will not properly reflect estimated earnings by permit holder or vessel for these 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 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, median, and 75th percentile.

Table 1-9. Chignik Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	95	91	1	6	15	89	33	35	38	90	110	200	270	85	0	0.0%	32	300	400	500
1979	109	101	1	6	14	103	33	36	38	98	120	210	280	93	0	0.0%	34	350	400	600
1980	103	93	2	3	9	94	34	38	40	85	150	230	290	85	1	1.2%	32	400	500	965
1981	103	96	2	4	9	96	35	38	42	91	190	250	300	90	2	2.2%	33	400	500	700
1982	103	98	3	4	8	99	36	38	42	93	210	260	300	94	3	3.2%	33	400	600	925
1983	98	95	4	5	10	95	36	38	42	91	210	260	307	89	2	2.2%	34	400	600	750
1984	102	101	5	6	11	101	36	38	42	99	200	260	307	97	4	4.1%	41	400	600	800
1985	103	100	6	7	12	101	36	38	42	99	210	260	330	97	4	4.1%	41	500	700	980
1986	104	103	6	8	12	103	36	38	42	101	210	270	325	99	5	5.1%	39	400	650	925
1987	104	104	7	9	12	104	38	39	42	100	213	278	343	102	4	3.9%	42	500	700	800
1988	109	108	7	10	13	108	38	41	44	105	230	280	343	105	4	3.8%	45	500	700	800
1989	106	106	8	10	12	106	38	42	46	104	230	300	395	101	6	5.9%	44	520	710	1,000
1990	101	101	8	11	13	101	38	42	46	99	238	310	453	97	5	5.2%	45	600	800	1,000
1991	105	105	6	12	14	105	38	42	47	103	250	326	540	101	11	10.9%	46	600	800	1,000
1992	102	102	6	13	15	102	38	42	47	100	259	335	545	97	11	11.3%	46	600	800	1,000
1993	104	104	7	14	16	104	38	42	47	102	270	340	550	100	15	15.0%	50	540	800	1,000
1994	101	101	8	14	16	101	38	42	47	99	270	340	550	94	17	18.1%	46	540	800	1,000
1995	103	103	7	15	17	103	38	42	48	98	250	326	550	93	23	24.7%	49	500	800	1,000
1996	102	102	8	16	18	102	40	44	48	97	258	350	550	91	24	26.4%	47	500	800	1,000
1997	99	99	9	17	19	99	40	44	48	94	258	347	585	88	23	26.1%	45	500	800	1,000
1998	85	85	13	19	21	85	38	42	47	80	250	326	550	75	15	20.0%	33	400	800	950
1999	93	92	13	20	21	92	38	43	48	87	250	340	550	82	21	25.6%	40	400	800	1,000
2000	100	100	13	20	22	100	41	46	50	95	270	350	585	90	27	30.0%	47	500	800	1,000
2001	92	92	15	22	23	92	40	45	48	87	275	343	550	82	23	28.0%	43	500	812	1,000
2002	42	42	16	22	24	42	40	44	48	41	280	350	550	39	8	20.5%	16	500	800	975
2003	45	45	19	24	25	45	40	44	47	42	270	338	550	40	6	15.0%	14	480	745	950
2004	34	34	19	24	26	34	40	42	47	33	260	330	550	33	6	18.2%	15	480	800	1,000
2005	46	46	20	25	26	46	38	42	46	44	268	335	525	42	10	23.8%	21	448	800	950
2006	55	55	20	27	28	55	38	46	48	52	255	358	625	51	15	29.4%	26	480	800	1,000
2007	55	54	20	27	29	54	41	46	48	50	275	350	600	48	14	29.2%	20	440	800	1,000
2008	54	54	23	28	30	54	38	44	48	51	240	340	550	50	17	34.0%	21	350	700	950
2009	55	55	24	30	32	55	40	44	48	52	230	335	525	51	17	33.3%	19	225	800	1,000
2010	65	65	25	31	33	65	40	44	48	62	240	342	500	61	24	39.3%	27	400	800	1,040
2011	68	68	26	32	34	68	39	44	48	64	240	347	493	65	30	46.2%	26	500	750	1,000
2012	68	68	29	33	35	68	40	44	48	65	240	340	480	65	30	46.2%	28	450	710	1,000
2013	77	77	28	34	36	77	40	44	48	74	270	355	480	74	42	56.8%	34	400	710	1,040
2014	71	71	29	35	37	71	38	44	49	68	249	350	525	68	40	58.8%	31	400	690	1,000
2015	70	70	29	35	37	70	40	46	54	67	270	365	600	67	42	62.7%	30	500	806	1,090
2016	67	67	29	36	38	67	42	46	54	65	280	400	620	65	43	66.2%	30	500	819	1,197
2017	66	66	31	38	39	66	40	46	50	63	280	370	600	63	40	63.5%	29	500	800	1,000
2018*	6	6	31	34	41	6	47	48	48	5	400	480	1,000	6	5	83.3%	2	800	863	925
Total	325					312	36	42	48	304	200	300	425	291	92	31.6%	151	400	700	1,000

- Total includes every vessel used in this fishery from 1978 to 2018.
- 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.
- 2018 data is preliminary.

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	Steel	Wood						
1978	95	91	90	98.9%	1	1.1%	92	2	2.2%	50	54.3%	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%	38	36.5%
1980	103	95	95	100.0%	0	0.0%	95	2	2.1%	70	73.7%	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%	16	16.7%
1982	103	99	99	100.0%	0	0.0%	98	2	2.0%	83	84.7%	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%	12	12.6%
1984	102	101	99	98.0%	2	2.0%	101	2	2.0%	86	85.1%	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%	12	11.9%
1986	104	101	95	94.1%	6	5.9%	103	2	1.9%	91	88.3%	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%	9	8.7%
1988	109	107	104	97.2%	3	2.8%	108	3	2.8%	95	88.0%	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%	8	7.5%
1990	101	101	100	99.0%	1	1.0%	101	1	1.0%	93	92.1%	1	1.0%	6	5.9%
1991	105	105	104	99.0%	1	1.0%	105	0	0.0%	98	93.3%	2	1.9%	5	4.8%
1992	102	102	101	99.0%	1	1.0%	102	0	0.0%	98	96.1%	2	2.0%	2	2.0%
1993	104	104	104	100.0%	0	0.0%	104	0	0.0%	100	96.2%	2	1.9%	2	1.9%
1994	101	101	100	99.0%	1	1.0%	101	1	1.0%	98	97.0%	1	1.0%	1	1.0%
1995	103	100	98	98.0%	2	2.0%	103	1	1.0%	99	96.1%	2	1.9%	1	1.0%
1996	102	98	97	99.0%	1	1.0%	102	1	1.0%	99	97.1%	1	1.0%	1	1.0%
1997	99	95	95	100.0%	0	0.0%	99	1	1.0%	95	96.0%	2	2.0%	1	1.0%
1998	85	81	81	100.0%	0	0.0%	85	0	0.0%	83	97.6%	1	1.2%	1	1.2%
1999	93	88	87	98.9%	1	1.1%	92	2	2.2%	88	95.7%	1	1.1%	1	1.1%
2000	100	96	96	100.0%	0	0.0%	100	1	1.0%	96	96.0%	3	3.0%	0	0.0%
2001	92	88	88	100.0%	0	0.0%	92	1	1.1%	88	95.7%	3	3.3%	0	0.0%
2002	42	41	41	100.0%	0	0.0%	42	1	2.4%	40	95.2%	1	2.4%	0	0.0%
2003	45	43	43	100.0%	0	0.0%	45	0	0.0%	44	97.8%	1	2.2%	0	0.0%
2004	34	34	34	100.0%	0	0.0%	34	0	0.0%	33	97.1%	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%
2006	55	53	53	100.0%	0	0.0%	55	1	1.8%	54	98.2%	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%
2008	54	52	50	96.2%	2	3.8%	54	1	1.9%	53	98.1%	0	0.0%	0	0.0%
2009	55	53	51	96.2%	2	3.8%	55	0	0.0%	54	98.2%	1	1.8%	0	0.0%
2010	65	63	61	96.8%	2	3.2%	65	0	0.0%	64	98.5%	1	1.5%	0	0.0%
2011	68	66	64	97.0%	2	3.0%	67	0	0.0%	63	94.0%	3	4.5%	1	1.5%
2012	68	66	65	98.5%	1	1.5%	68	0	0.0%	65	95.6%	2	2.9%	1	1.5%
2013	77	75	74	98.7%	1	1.3%	77	1	1.3%	72	93.5%	3	3.9%	1	1.3%
2014	71	69	68	98.6%	1	1.4%	71	1	1.4%	66	93.0%	4	5.6%	0	0.0%
2015	70	68	67	98.5%	1	1.5%	70	2	2.9%	63	90.0%	5	7.1%	0	0.0%
2016	67	66	65	98.5%	1	1.5%	67	1	1.5%	61	91.0%	5	7.5%	0	0.0%
2017	66	64	63	98.4%	1	1.6%	66	2	3.0%	61	92.4%	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%
Total	325	308	286	92.9%	22	7.1%	312	14	4.5%	241	77.2%	12	3.8%	45	14.4%

- Total includes every vessel used in this fishery from 1978 to 2018.
- 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.
- 2018 data is preliminary.

Participation and Earnings

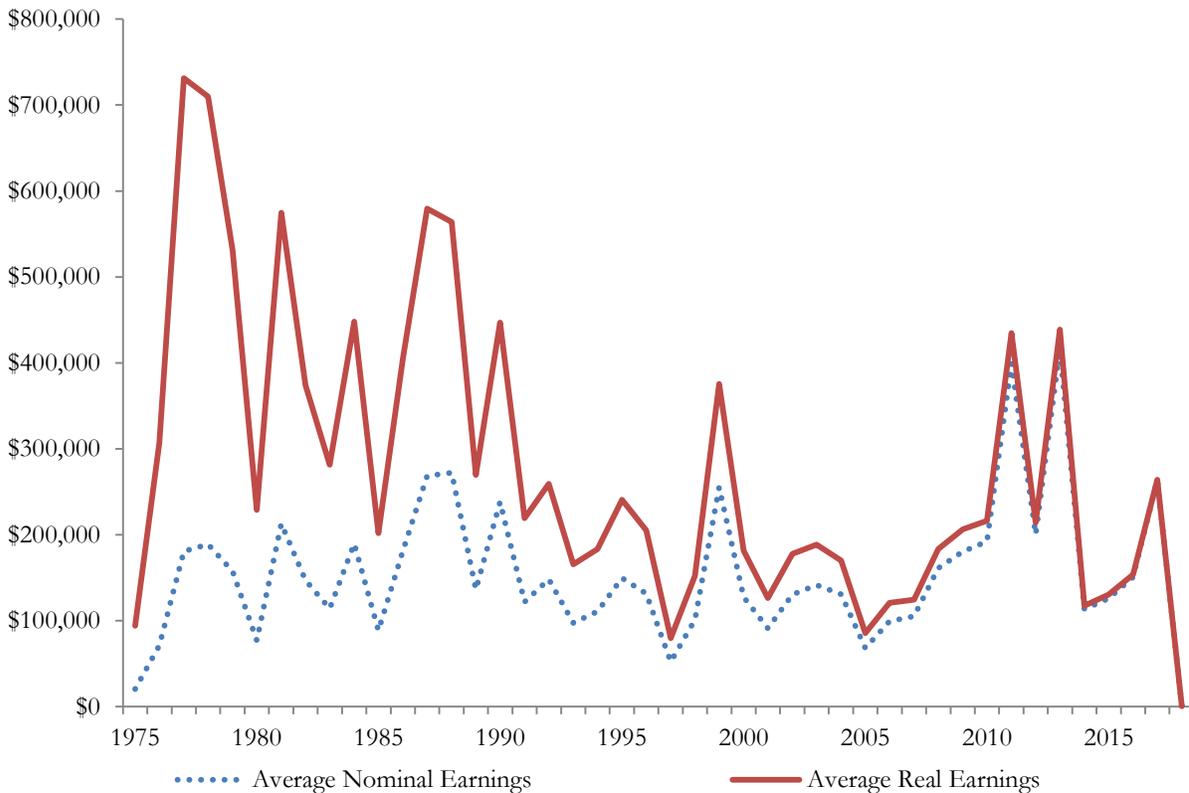
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 1-4 are for both nominal and real dollars using the 2017 Consumer Price Index from the U.S. Bureau of Labor 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 and vessels with landings, and estimated gross earnings in the Chignik salmon purse seine fishery from 1975 to 2018. 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. Estimated Nominal and Real Average Gross Earnings Per Chignik Salmon Purse Seine Permit



- Real earnings are adjusted for inflation using the 2017 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 and Vessel, 1975-2018

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	91	\$1,779,704	\$8,108,568	86	\$94,286	86	\$94,286
1976	91	\$5,486,251	\$23,634,268	77	\$306,939	78	\$303,003
1977	91	\$15,912,254	\$64,363,229	88	\$731,400	88	\$731,400
1978	95	\$17,562,986	\$66,028,208	93	\$709,981	95	\$695,034
1979	101	\$15,890,341	\$53,650,694	101	\$531,195	109	\$492,208
1980	101	\$7,778,332	\$23,138,650	101	\$229,096	103	\$224,647
1981	102	\$21,733,891	\$58,607,385	102	\$574,582	103	\$569,004
1982	102	\$14,867,916	\$37,766,046	101	\$373,921	103	\$366,661
1983	100	\$11,436,399	\$28,145,484	100	\$281,455	98	\$287,199
1984	100	\$18,989,185	\$44,799,124	100	\$447,991	102	\$439,207
1985	101	\$8,955,351	\$20,400,890	101	\$201,989	103	\$198,067
1986	100	\$18,139,377	\$40,568,651	100	\$405,687	104	\$390,083
1987	102	\$27,389,328	\$59,099,226	102	\$579,404	104	\$568,262
1988	101	\$27,492,891	\$56,965,827	101	\$564,018	109	\$522,622
1989	101	\$13,646,696	\$26,976,436	100	\$269,764	106	\$254,495
1990	101	\$24,062,162	\$45,127,139	101	\$446,803	101	\$446,803
1991	101	\$12,300,704	\$22,137,655	101	\$219,185	105	\$210,835
1992	101	\$14,988,314	\$26,186,283	101	\$259,270	102	\$256,728
1993	102	\$9,952,323	\$16,882,446	102	\$165,514	104	\$162,331
1994	100	\$10,980,605	\$18,161,713	99	\$183,452	101	\$179,819
1995	100	\$14,961,281	\$24,063,709	100	\$240,637	103	\$233,628
1996	101	\$13,150,294	\$20,544,295	100	\$205,443	102	\$201,415
1997	100	\$5,125,222	\$7,827,379	98	\$79,871	99	\$79,064
1998	100	\$8,617,756	\$12,959,414	85	\$152,464	85	\$152,464
1999	99	\$22,966,602	\$33,790,958	90	\$375,455	93	\$363,344
2000	99	\$12,629,695	\$17,977,879	99	\$181,595	100	\$179,779
2001	98	\$8,411,090	\$11,641,595	92	\$126,539	92	\$126,539
2002	100	\$5,348,911	\$7,288,078	41	\$177,758	42	\$173,526
2003	101	\$6,088,452	\$8,110,877	43	\$188,625	45	\$180,242
2004	100	\$4,191,186	\$5,438,558	32	\$169,955	34	\$159,958
2005	99	\$6,627,770	\$8,318,479	97	\$85,758	46	\$180,836
2006	96	\$4,764,730	\$5,793,306	48	\$120,694	55	\$105,333
2007	92	\$5,798,496	\$6,854,990	55	\$124,636	55	\$124,636
2008	92	\$8,702,917	\$9,908,172	54	\$183,485	54	\$183,485
2009	91	\$9,930,644	\$11,346,292	55	\$206,296	55	\$206,296
2010	91	\$12,509,651	\$14,062,285	65	\$216,343	65	\$216,343
2011	91	\$25,542,055	\$27,833,628	64	\$434,900	68	\$409,318
2012	91	\$13,842,993	\$14,779,108	69	\$214,190	68	\$217,340
2013	91	\$31,698,894	\$33,353,937	76	\$438,868	77	\$433,168
2014	91	\$7,935,605	\$8,216,644	70	\$117,381	71	\$115,727
2015	91	\$8,955,851	\$9,262,028	71	\$130,451	70	\$132,315
2016	91	\$10,403,040	\$10,624,662	69	\$153,981	67	\$158,577
2017	91	\$17,685,960	\$17,685,960	67	\$263,970	66	\$267,969
2018*	90	\$3,983	\$3,889	6	\$648	6	\$648

- Adjusted for inflation to 2017 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 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.
- 2018 data is preliminary.

Table 1-12. Estimated Real Gross Earnings for Permit Holders in the Chignik Salmon Purse Seine Fishery by Resident Type, 1975-2018

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	\$108,424	\$3,252,709	37	\$85,063	\$3,147,338	19	\$89,922	\$1,708,522	86	\$94,286	\$8,108,568
1976	31	\$290,773	\$9,013,976	33	\$313,873	\$10,357,794	15	\$284,167	\$4,262,498	79	\$299,168	\$23,634,268
1977	33	\$714,158	\$23,567,218	40	\$735,390	\$29,415,609	17	\$669,435	\$11,380,402	90	\$715,147	\$64,363,229
1978	38	\$637,375	\$24,220,265	43	\$759,274	\$32,648,763	13	\$704,552	\$9,159,180	94	\$702,428	\$66,028,208
1979	38	\$447,136	\$16,991,168	49	\$584,855	\$28,657,882	14	\$571,546	\$8,001,643	101	\$531,195	\$53,650,694
1980	43	\$199,525	\$8,579,586	45	\$253,421	\$11,403,956	14	\$225,365	\$3,155,108	102	\$226,850	\$23,138,650
1981	47	\$495,749	\$23,300,187	40	\$663,946	\$26,557,824	18	\$486,076	\$8,749,374	105	\$558,166	\$58,607,385
1982	46	\$358,334	\$16,483,351	41	\$396,882	\$16,272,181	16	\$313,157	\$5,010,514	103	\$366,661	\$37,766,046
1983	49	\$249,192	\$12,210,415	40	\$299,818	\$11,992,738	16	\$246,396	\$3,942,332	105	\$268,052	\$28,145,484
1984	53	\$385,160	\$20,413,464	36	\$480,400	\$17,294,416	15	\$472,750	\$7,091,244	104	\$430,761	\$44,799,124
1985	56	\$208,461	\$11,673,843	40	\$173,035	\$6,921,395	14	\$128,975	\$1,805,652	110	\$185,463	\$20,400,890
1986	60	\$371,508	\$22,290,462	34	\$415,321	\$14,120,904	13	\$319,791	\$4,157,285	107	\$379,146	\$40,568,651
1987	57	\$544,902	\$31,059,409	37	\$570,266	\$21,099,859	14	\$495,711	\$6,939,958	108	\$547,215	\$59,099,226
1988	52	\$504,116	\$26,210,054	36	\$595,730	\$21,446,275	15	\$620,367	\$9,305,498	103	\$553,066	\$56,965,827
1989	52	\$308,160	\$16,024,308	36	\$235,233	\$8,468,373	17	\$146,103	\$2,483,755	105	\$256,918	\$26,976,436
1990	49	\$406,580	\$19,922,424	41	\$428,412	\$17,564,884	17	\$449,402	\$7,639,831	107	\$421,749	\$45,127,139
1991	48	\$204,864	\$9,833,493	36	\$198,882	\$7,159,765	21	\$244,971	\$5,144,397	105	\$210,835	\$22,137,655
1992	54	\$218,317	\$11,789,135	39	\$221,021	\$8,619,812	20	\$288,867	\$5,777,336	113	\$231,737	\$26,186,283
1993	47	\$148,976	\$7,001,872	38	\$151,176	\$5,744,701	19	\$217,678	\$4,135,873	104	\$162,331	\$16,882,446
1994	53	\$159,357	\$8,445,924	33	\$164,021	\$5,412,699	19	\$226,478	\$4,303,090	105	\$172,969	\$18,161,713
1995	49	\$233,040	\$11,418,971	36	\$214,997	\$7,739,904	21	\$233,563	\$4,904,833	106	\$227,016	\$24,063,709
1996	51	\$178,694	\$9,113,377	34	\$201,612	\$6,854,810	18	\$254,228	\$4,576,108	103	\$199,459	\$20,544,295
1997	51	\$71,291	\$3,635,848	33	\$83,902	\$2,768,768	15	\$94,851	\$1,422,764	99	\$79,064	\$7,827,379
1998	48	\$135,319	\$6,495,293	25	\$159,562	\$3,989,045	12	\$206,256	\$2,475,076	85	\$152,464	\$12,959,414
1999	47	\$382,389	\$17,972,262	33	\$365,735	\$12,069,256	10	\$374,944	\$3,749,440	90	\$375,455	\$33,790,958
2000	47	\$181,518	\$8,531,323	42	\$167,033	\$7,015,373	13	\$187,014	\$2,431,182	102	\$176,254	\$17,977,879
2001	51	\$120,225	\$6,131,481	33	\$111,183	\$3,669,053	12	\$153,422	\$1,841,061	96	\$121,267	\$11,641,595
2002	29	\$143,421	\$4,159,213	confidential	confidential	confidential	1 to 3	confidential	confidential	42	\$173,526	\$7,288,078
2003	31	\$158,190	\$4,903,902	9	\$288,113	\$2,593,017	4	\$153,490	\$613,958	44	\$184,338	\$8,110,877
2004	25	\$148,379	\$3,709,483	confidential	confidential	confidential	1 to 3	confidential	confidential	32	\$169,955	\$5,438,558
2005	44	\$105,300	\$4,633,183	39	\$70,952	\$2,767,144	14	\$65,582	\$918,152	97	\$85,758	\$8,318,479
2006	29	\$126,791	\$3,676,948	13	\$103,472	\$1,345,140	6	\$128,536	\$771,218	48	\$120,694	\$5,793,306
2007	31	\$135,117	\$4,188,612	15	\$97,513	\$1,462,701	9	\$133,742	\$1,203,677	55	\$124,636	\$6,854,990
2008	35	\$164,772	\$5,767,028	15	\$162,905	\$2,443,577	6	\$282,928	\$1,697,567	56	\$176,932	\$9,908,172
2009	38	\$194,451	\$7,389,142	14	\$172,540	\$2,415,554	6	\$256,933	\$1,541,596	58	\$195,626	\$11,346,292
2010	34	\$189,397	\$6,439,492	25	\$203,192	\$5,079,793	9	\$282,556	\$2,543,001	68	\$206,798	\$14,062,285
2011	37	\$427,997	\$15,835,891	22	\$353,460	\$7,776,128	8	\$527,701	\$4,221,609	67	\$415,427	\$27,833,628
2012	38	\$210,963	\$8,016,610	24	\$218,747	\$5,249,917	7	\$216,083	\$1,512,580	69	\$214,190	\$14,779,108
2013	37	\$440,828	\$16,310,628	30	\$432,183	\$12,965,479	11	\$370,712	\$4,077,830	78	\$427,615	\$33,353,937
2014	34	\$117,218	\$3,985,397	25	\$90,817	\$2,270,426	11	\$178,256	\$1,960,821	70	\$117,381	\$8,216,644
2015	34	\$126,012	\$4,284,402	28	\$120,141	\$3,363,939	10	\$161,369	\$1,613,688	72	\$128,639	\$9,262,028
2016	35	\$156,380	\$5,473,289	24	\$158,538	\$3,804,905	10	\$134,647	\$1,346,468	69	\$153,981	\$10,624,662
2017	36	\$250,861	\$9,030,978	23	\$255,314	\$5,872,225	9	\$309,195	\$2,782,757	68	\$260,088	\$17,685,960
2018*	confidential	confidential	confidential	1 to 3	confidential	confidential	0	\$0	\$0	6	\$648	\$3,889

- Adjusted for inflation to 2017 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.
- 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.
- 2018 data is preliminary.

Chapter 2 Alaska Peninsula Salmon Purse Seine Fishery

S01M Permit Holdings

Limited entry permits for the Alaska Peninsula salmon purse seine fishery (S01M permits) 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 2017 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		2017 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%	-27	-26.5%	-14	-13.7%	-1	-1.0%	60	50.4%
Nonlocal	3	2.5%	8	266.7%	11	366.7%	0	0.0%	22	18.5%
Nonresident	16	13.2%	19	118.8%	3	18.8%	-1	-6.3%	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). 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.⁵ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 2-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Purse Seine Permits, 1980-2017

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
<i>Gift</i>	140	44.9%	528	41.3%	1,178	31.6%	13,825	36.5%
<i>Sale</i>	147	47.1%	662	51.8%	2,352	63.1%	22,262	58.8%
<i>Trade</i>	10	3.2%	30	2.3%	64	1.7%	520	1.4%
<i>Other</i>	15	4.8%	59	4.6%	133	3.6%	1,225	3.2%
Total	312		1,279		3,727		37,832	

Table 2-2 compares and contrasts transfer acquisition methods for the S01M permits, the combined Alaska Peninsula salmon permit types, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2017. Almost half of all S01M permit transfers were gifts (44.9% or 140/312), almost half of the transfers were sales (47.1%, or 147/312), and a smaller percentage were trades (3.2% or 10/312) or other (4.8% or 15/312). The annual acquisition methods for S01M permits can be viewed in a different publication.⁶

Table 2-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Purse Seine Permits, 1980-2017

Relationship	Alaska Peninsula Salmon Purse Seine		Combined Alaska Peninsula		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	53	17.0%	234	18.3%	672	18.0%	6,992	18.5%
<i>Member of Immediate Family</i>	149	47.8%	503	39.3%	1,192	32.0%	12,802	33.8%
<i>Other Relative</i>	10	3.2%	76	5.9%	146	3.9%	1,743	4.6%
<i>Other</i>	100	32.1%	466	36.4%	1,717	46.1%	16,295	43.1%
Total	312		1,279		3,727		37,832	

Table 2-3 shows the relationships between transferors and transfer recipients for S01M permits, and compares S01M permit transfers with the combined Alaska Peninsula salmon permit types, statewide salmon purse seine permits, and all limited entry permits from 1980 to 2017. Transfers within the family, both immediate family members and other relatives, total 51.0% (159/312) of all transfers. This compares to 45.3% (579/1,279) for all Alaska Peninsula salmon permit types combined, 35.9% (1,338/3,727) for statewide salmon purse seine permits, and 38.4% (14,545/37,832) for all limited entry permits statewide.

⁵ CFEC implemented the transfer survey in 1980.

⁶ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2017*, CFEC Report No. 18-2N.

Emergency Transfers of S01M Permits

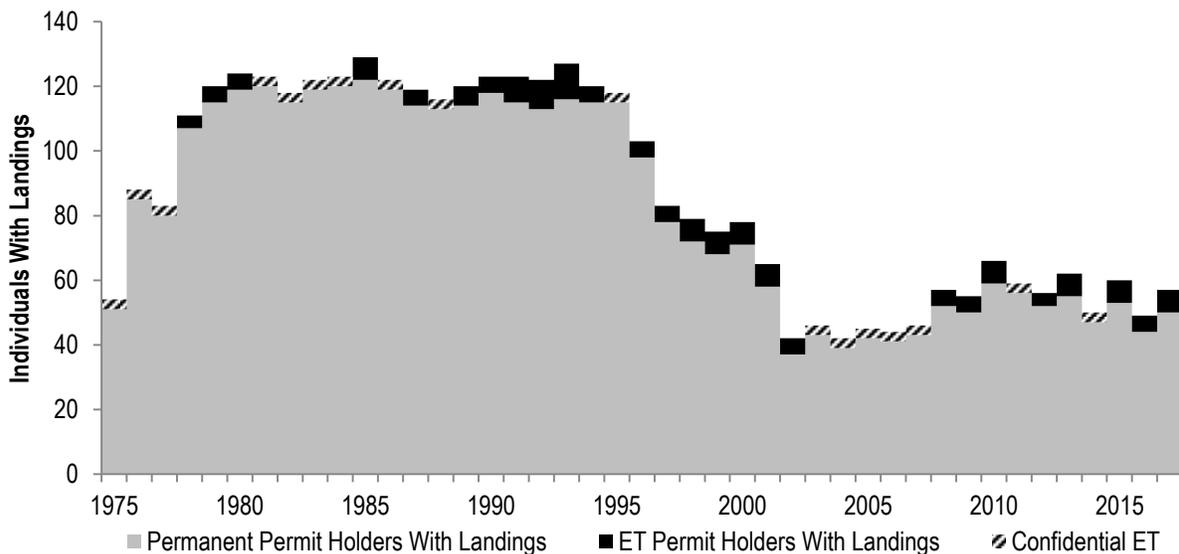
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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 back 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, 1975-2017

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

Figure 2-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017



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 (don't record landings) in a given year are referred to herein as "latent" permits for that year.

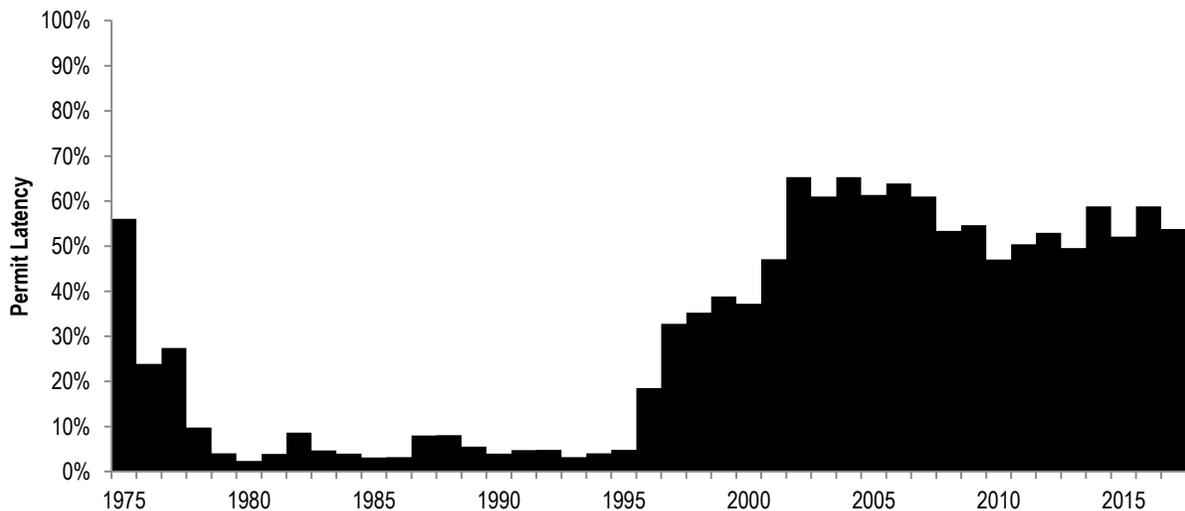
Table 2-5 indicates the total number of viable S01M permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 2-2. 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, 1975-2017

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

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

Figure 2-2. Alaska Peninsula Salmon Purse Seine Permit Latency Rate, 1975-2017



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. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

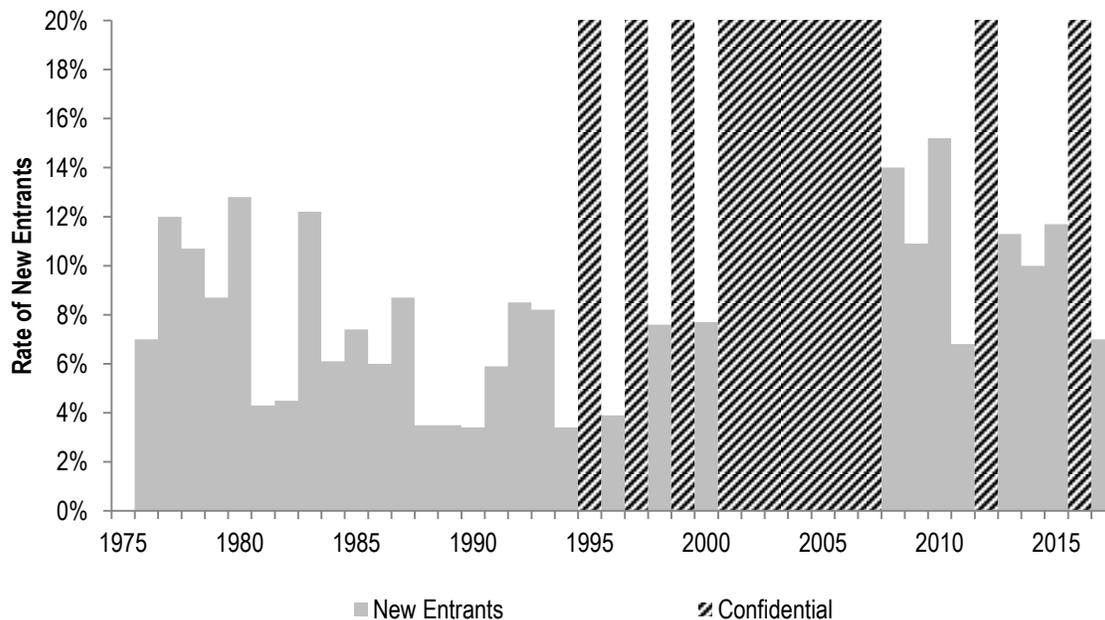
Table 2-6 and Figure 2-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01M permit one year, and then in subsequent years hold a different S01M permit. Likewise, individuals may enter and exit 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 on a permanent permit.

Table 2-6. New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017

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

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

Figure 2-3. Rate of New Entrants into the Alaska Peninsula Salmon Purse Seine Fishery, 1975-2017



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	Statewide Salmon Purse Seine	Statewide All Permits	Mean AK Worker Age
1980	40.1	40.1	42.3	38.9	33.4
1981	40.0	40.0	42.4	39.9	33.5
1982	40.5	39.8	42.2	40.0	33.6
1983	39.6	39.8	41.9	40.2	33.7
1984	40.0	40.2	42.1	40.4	33.8
1985	41.5	40.6	42.6	40.8	34.0
1986	41.9	40.8	42.5	41.0	34.2
1987	43.5	41.2	42.5	40.9	34.5
1988	43.7	41.4	42.7	41.2	34.9
1989	44.3	42.0	42.8	41.5	35.3
1990	44.5	42.5	43.2	42.0	35.5
1991	45.2	42.9	43.5	42.5	35.9
1992	45.2	43.2	44.0	42.9	36.2
1993	46.5	43.7	44.6	43.5	36.5
1994	46.9	44.1	45.0	44.0	36.7
1995	47.7	44.4	45.4	44.4	37.0
1996	47.5	44.6	45.8	44.8	37.2
1997	48.6	45.0	46.4	45.1	37.4
1998	48.7	45.3	46.8	45.6	37.6
1999	49.9	45.7	47.2	46.0	37.8
2000	49.8	46.0	47.3	46.4	37.9
2001	50.4	46.3	48.0	46.9	38.1
2002	50.4	47.0	48.5	47.4	38.3
2003	50.9	47.2	49.4	47.9	38.4
2004	51.0	47.2	50.1	48.2	38.6
2005	52.1	46.7	50.6	48.4	38.7
2006	53.6	46.6	51.1	48.7	38.8
2007	54.2	46.3	51.5	48.9	38.9
2008	53.5	46.4	51.1	49.0	39.0
2009	54.0	46.4	51.3	49.3	39.1
2010	53.7	46.3	51.4	49.5	39.2
2011	53.9	46.6	51.3	49.6	39.4
2012	54.7	46.7	51.4	49.8	39.4
2013	54.7	46.4	51.2	50.0	39.5
2014	54.9	46.5	51.0	50.2	39.5
2015	55.7	46.8	51.4	50.6	39.5
2016	56.2	47.2	52.0	50.9	39.6
2017	57.2	47.3	52.4	51.3	39.6

- Mean AK Worker 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) statewide salmon purse seine permit holders 4) all CFEC limited entry permit holders; and 5) the Alaskan worker age population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S01M 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 worker age population has increased 6.1 years between 1980 and 2017, which represents an 18.4% increase. The percent change in ages over the same period for all CFEC permit holders was 31.7% (12.4 years), 23.7% (10.0 years) for the statewide salmon purse seine permit holders, and 18.1% (7.3 years) for the combined Alaska Peninsula salmon permit holders.

For S01M permit holders, the mean age increased 42.5% (17.0 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

Year	S01M Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1984	3	\$243,333	-	\$574,069	-
1986	4	\$236,250	-	\$528,372	-
1987	3	\$176,667	-	\$381,203	-
1988	3	\$182,833	-	\$378,834	-
1989	1	\$214,500	-	\$424,018	-
1990	2	\$226,667	-	\$425,100	-
1991	1	\$232,500	\$33,050	\$418,432	\$59,480
1992	6	\$191,700	\$23,850	\$334,922	\$41,669
1993	1	\$197,500	\$17,100	\$335,026	\$29,007
1994	3	\$193,400	\$27,050	\$319,880	\$44,740
1995	1	\$182,800	\$20,700	\$294,015	\$33,294
1996	2	\$166,000	\$13,300	\$259,337	\$20,778
1997	0	\$166,000	\$13,300	\$253,520	\$20,312
1998	0	\$166,000	\$13,300	\$249,631	\$20,001
1999	3	\$74,300	\$52,250	\$109,318	\$76,876
2000	4	\$48,800	\$14,350	\$69,465	\$20,427
2001	2	\$48,800	\$13,150	\$67,543	\$18,201
2002	1	\$39,600	\$23,400	\$53,956	\$31,883
2003	5	\$14,600	\$900	\$19,450	\$1,199
2004	4	\$17,300	\$2,850	\$22,449	\$3,698
2005	2	\$24,000	\$7,550	\$30,122	\$9,476
2006	2	\$31,000	\$8,050	\$37,692	\$9,788
2007	6	\$33,200	\$6,350	\$39,249	\$7,507
2008	18	\$53,900	\$10,300	\$61,365	\$11,726
2009	4	\$73,800	\$2,500	\$84,320	\$2,856
2010	7	\$62,900	\$8,100	\$70,707	\$9,105
2011	5	\$55,800	\$2,950	\$60,806	\$3,215
2012	5	\$65,500	\$6,700	\$69,929	\$7,153
2013	1	\$67,800	\$6,350	\$71,340	\$6,682
2014	3	\$65,900	\$7,150	\$68,234	\$7,403
2015	2	\$56,900	\$8,500	\$58,845	\$8,791
2016	4	\$57,400	\$6,250	\$58,623	\$6,383
2017	4	\$57,800	\$6,350	\$57,800	\$6,350

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2017 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, median, and 75th percentile.

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

Year	Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	109	97	4	9	16	106	28	32	38	101	120	165	220	91	5	0	40	160	500	1,668
1979	121	116	3	7	17	118	29	35	47	108	130	170	236	104	10	0	48	233	700	1,738
1980	133	125	2	7	15	128	31	37	49	115	135	200	300	115	17	0	60	390	1,200	1,900
1981	130	128	2	6	12	130	32	40	49	118	165	230	330	114	20	0	63	475	1,200	2,000
1982	131	126	3	7	16	127	34	42	49	118	165	228	315	113	22	0	62	512	1,200	2,000
1983	123	115	3	5	12	116	37	46	49	112	188	273	360	106	28	0	64	650	1,200	1,768
1984	123	118	4	6	12	119	37	47	49	116	195	276	360	108	28	0	72	650	1,200	2,000
1985	129	126	5	7	13	127	38	47	49	123	195	280	365	114	32	0	76	700	1,200	1,875
1986	125	122	5	7	11	123	38	47	49	121	200	290	365	110	37	0	74	750	1,200	1,950
1987	125	123	7	9	15	124	36	44	49	123	195	275	365	112	33	0	77	600	1,200	1,735
1988	125	123	8	10	16	125	37	44	49	123	200	280	365	111	31	0	80	556	1,050	1,740
1989	122	121	9	11	17	122	38	48	49	121	230	310	365	111	36	0	78	700	1,150	1,740
1990	126	125	9	11	16	126	41	49	49	125	240	320	365	115	42	0	82	780	1,200	1,740
1991	122	121	9	12	16	122	42	49	49	121	250	340	365	111	48	0	83	800	1,200	2,000
1992	123	121	10	13	17	122	44	49	49	122	265	350	400	112	53	0	83	840	1,200	2,000
1993	124	123	10	13	17	124	46	49	50	123	280	365	440	113	59	1	89	900	1,200	2,000
1994	128	127	11	14	18	128	44	49	50	124	280	360	450	117	61	1	85	900	1,200	2,000
1995	124	123	13	15	19	124	44	49	50	121	290	360	443	117	63	1	87	900	1,200	2,000
1996	102	102	13	16	18	102	46	53	58	98	300	365	440	96	56	1	73	1,000	1,300	2,000
1997	84	84	14	17	21	84	47	53	58	83	300	360	440	78	48	1	59	900	1,300	2,000
1998	83	83	16	18	22	83	44	52	58	80	270	350	413	81	49	1	56	825	1,200	1,900
1999	74	74	17	19	24	74	47	53	58	73	290	350	400	72	45	1	54	850	1,200	2,000
2000	77	77	17	20	24	77	47	54	58	76	300	353	423	75	49	1	56	860	1,200	1,975
2001	65	65	18	21	24	65	46	52	58	64	295	360	428	61	37	1	47	800	1,200	1,735
2002	45	45	19	22	25	45	46	52	58	45	290	350	400	43	27	1	33	800	1,000	1,600
2003	48	48	22	24	27	48	47	53	58	48	300	358	410	47	33	1	36	885	1,150	2,000
2004	41	41	22	24	28	41	49	53	58	40	300	360	410	40	31	1	33	900	1,200	1,735
2005	45	45	20	25	29	45	48	54	58	45	320	365	465	44	34	1	31	900	1,200	2,200
2006	44	44	22	26	30	44	48	55	58	44	323	365	453	43	33	1	32	885	1,250	2,100
2007	45	45	23	27	30	45	47	54	58	45	320	365	480	44	34	1	32	800	1,150	2,100
2008	53	53	23	28	31	53	46	54	58	53	310	365	450	51	40	1	37	870	1,200	2,000
2009	58	57	23	29	32	57	46	55	58	56	323	363	450	55	44	1	41	800	1,300	2,000
2010	63	63	25	30	34	63	48	57	58	62	318	358	465	61	51	1	46	870	1,350	2,200
2011	58	58	28	31	35	58	46	54	58	58	310	365	440	56	43	1	39	850	1,300	2,000
2012	53	53	29	32	35	53	48	55	58	52	328	365	450	51	44	1	38	900	1,350	2,200
2013	60	60	30	33	37	60	47	53	58	60	300	365	450	58	44	1	43	870	1,200	2,000
2014	52	52	30	34	37	52	49	56	58	51	300	365	465	49	41	1	36	860	1,300	2,000
2015	56	56	31	35	40	56	50	58	58	55	325	365	450	53	45	1	39	870	1,400	2,000
2016	48	48	32	36	41	48	51	58	58	47	330	365	450	45	42	1	37	1,000	1,400	2,000
2017	52	52	33	37	42	52	48	57	58	51	325	375	465	49	42	1	36	1,000	1,500	2,200
Total	458					441	32	45	52	419	165	280	365	399	152	0	243	450	1,000	1,750

• Total includes every vessel used in this fishery from 1978 to 2017.

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	Engine Power					Hull Material										
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Steel	Rubber	Wood							
1978	109	104	69	66.3%	35	33.7%	106	0	0.0%	20	18.9%	8	7.5%	0	0.0%	78	73.6%
1979	121	115	86	74.8%	29	25.2%	118	0	0.0%	39	33.1%	12	10.2%	0	0.0%	67	56.8%
1980	133	124	100	80.6%	24	19.4%	129	1	0.8%	52	40.3%	17	13.2%	0	0.0%	59	45.7%
1981	130	129	111	86.0%	18	14.0%	127	0	0.0%	64	50.4%	16	12.6%	0	0.0%	47	37.0%
1982	131	126	112	88.9%	14	11.1%	124	1	0.8%	58	46.8%	18	14.5%	0	0.0%	47	37.9%
1983	123	115	105	91.3%	10	8.7%	113	0	0.0%	62	54.9%	22	19.5%	0	0.0%	29	25.7%
1984	123	119	107	89.9%	12	10.1%	118	0	0.0%	64	54.2%	23	19.5%	0	0.0%	31	26.3%
1985	129	127	115	90.6%	12	9.4%	126	2	1.6%	69	54.8%	25	19.8%	0	0.0%	30	23.8%
1986	125	123	108	87.8%	15	12.2%	121	4	3.3%	71	58.7%	22	18.2%	0	0.0%	24	19.8%
1987	125	124	109	87.9%	15	12.1%	123	5	4.1%	67	54.5%	22	17.9%	0	0.0%	29	23.6%
1988	125	125	111	88.8%	14	11.2%	124	3	2.4%	70	56.5%	20	16.1%	0	0.0%	31	25.0%
1989	122	122	111	91.0%	11	9.0%	122	0	0.0%	71	58.2%	23	18.9%	0	0.0%	28	23.0%
1990	126	126	115	91.3%	11	8.7%	126	1	0.8%	76	60.3%	26	20.6%	0	0.0%	23	18.3%
1991	122	122	114	93.4%	8	6.6%	122	2	1.6%	73	59.8%	25	20.5%	0	0.0%	22	18.0%
1992	123	122	116	95.1%	6	4.9%	122	1	0.8%	76	62.3%	25	20.5%	0	0.0%	20	16.4%
1993	124	124	119	96.0%	5	4.0%	124	1	0.8%	78	62.9%	27	21.8%	0	0.0%	18	14.5%
1994	128	128	123	96.1%	5	3.9%	128	2	1.6%	85	66.4%	23	18.0%	0	0.0%	18	14.1%
1995	124	124	120	96.8%	4	3.2%	124	2	1.6%	81	65.3%	25	20.2%	0	0.0%	16	12.9%
1996	102	102	99	97.1%	3	2.9%	102	0	0.0%	71	69.6%	20	19.6%	0	0.0%	11	10.8%
1997	84	84	81	96.4%	3	3.6%	83	0	0.0%	56	67.5%	17	20.5%	0	0.0%	10	12.0%
1998	83	83	81	97.6%	2	2.4%	83	1	1.2%	58	69.9%	15	18.1%	0	0.0%	9	10.8%
1999	74	74	73	98.6%	1	1.4%	74	0	0.0%	51	68.9%	15	20.3%	0	0.0%	8	10.8%
2000	77	77	76	98.7%	1	1.3%	77	0	0.0%	52	67.5%	18	23.4%	0	0.0%	7	9.1%
2001	65	65	64	98.5%	1	1.5%	65	0	0.0%	49	75.4%	10	15.4%	0	0.0%	6	9.2%
2002	45	45	42	93.3%	3	6.7%	45	1	2.2%	31	68.9%	8	17.8%	0	0.0%	5	11.1%
2003	48	48	47	97.9%	1	2.1%	48	0	0.0%	34	70.8%	10	20.8%	0	0.0%	4	8.3%
2004	41	41	40	97.6%	1	2.4%	41	0	0.0%	28	68.3%	9	22.0%	0	0.0%	4	9.8%
2005	45	45	43	95.6%	2	4.4%	45	2	4.4%	27	60.0%	12	26.7%	0	0.0%	4	8.9%
2006	44	44	42	95.5%	2	4.5%	44	1	2.3%	29	65.9%	11	25.0%	0	0.0%	3	6.8%
2007	45	45	43	95.6%	2	4.4%	45	1	2.2%	30	66.7%	11	24.4%	0	0.0%	3	6.7%
2008	53	53	52	98.1%	1	1.9%	53	1	1.9%	36	67.9%	13	24.5%	0	0.0%	3	5.7%
2009	58	57	56	98.2%	1	1.8%	57	2	3.5%	35	61.4%	17	29.8%	0	0.0%	3	5.3%
2010	63	63	62	98.4%	1	1.6%	63	0	0.0%	38	60.3%	21	33.3%	0	0.0%	4	6.3%
2011	58	58	57	98.3%	1	1.7%	58	1	1.7%	39	67.2%	15	25.9%	0	0.0%	3	5.2%
2012	53	53	53	100.0%	0	0.0%	53	0	0.0%	36	67.9%	15	28.3%	0	0.0%	2	3.8%
2013	60	60	60	100.0%	0	0.0%	60	0	0.0%	43	71.7%	14	23.3%	0	0.0%	3	5.0%
2014	52	52	52	100.0%	0	0.0%	51	0	0.0%	35	68.6%	14	27.5%	0	0.0%	2	3.9%
2015	56	56	56	100.0%	0	0.0%	55	0	0.0%	36	65.5%	15	27.3%	0	0.0%	4	7.3%
2016	48	48	48	100.0%	0	0.0%	47	0	0.0%	29	61.7%	15	31.9%	0	0.0%	3	6.4%
2017	52	52	52	100.0%	0	0.0%	51	0	0.0%	33	64.7%	15	29.4%	0	0.0%	3	5.9%
Total	458	438	375	85.6%	63	14.4%	437	18	4.1%	227	51.9%	64	14.6%	0	0.0%	128	29.3%

• Total includes every vessel used in this fishery from 1978 to 2017.

Participation and Earnings

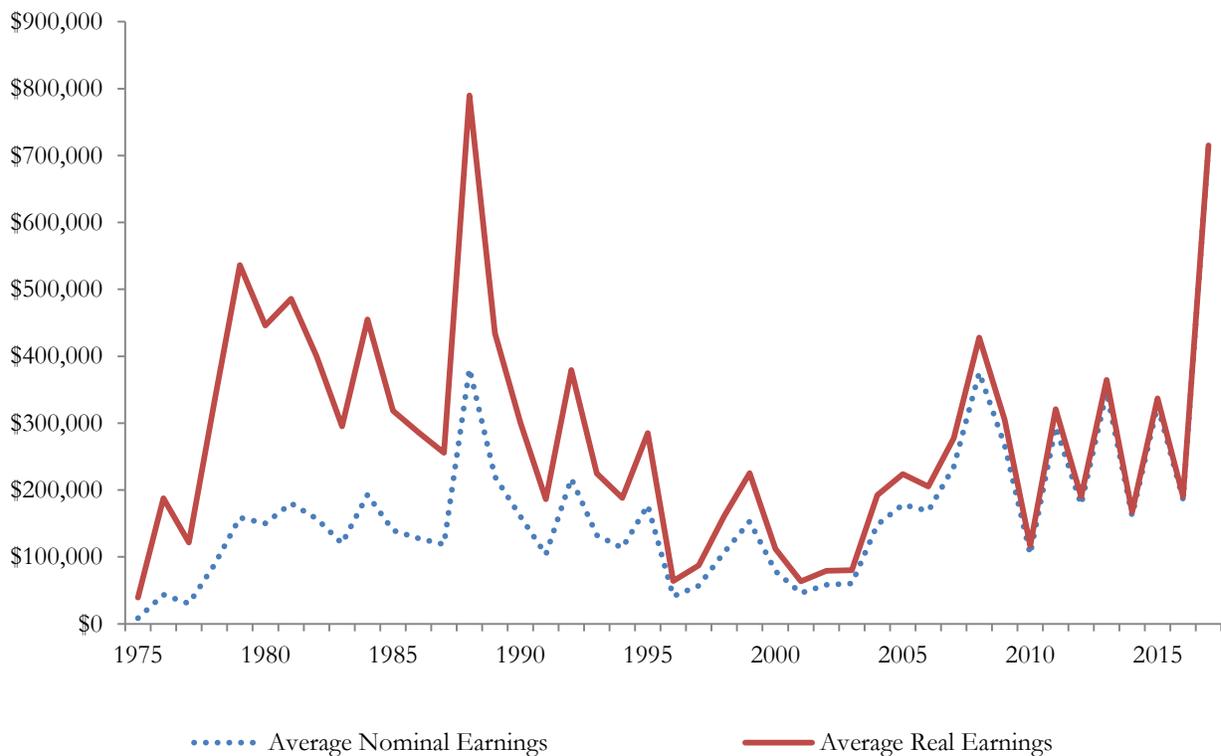
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 2-4 are for both nominal and real dollars using the 2017 Consumer Price Index from the U.S. Bureau of Labor 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 Alaska Peninsula salmon purse 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, permits and vessels with landings, and estimated gross earnings in the Alaska Peninsula salmon purse seine fishery from 1975 to 2017. 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 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 2017 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, 1975-2017

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	123	\$462,882	\$2,108,950	54	\$39,055	60	\$35,149
1976	113	\$3,742,997	\$16,124,491	86	\$187,494	108	\$149,301
1977	113	\$2,463,393	\$9,964,141	82	\$121,514	86	\$115,862
1978	123	\$9,793,597	\$36,819,120	111	\$331,704	109	\$337,790
1979	123	\$18,740,706	\$63,274,407	118	\$536,224	121	\$522,929
1980	126	\$18,433,550	\$54,835,338	123	\$445,816	133	\$412,296
1981	127	\$21,974,046	\$59,254,985	122	\$485,697	130	\$455,808
1982	127	\$18,253,544	\$46,365,893	116	\$399,706	131	\$353,938
1983	127	\$14,514,217	\$35,720,130	121	\$295,208	123	\$290,408
1984	126	\$23,346,723	\$55,079,390	121	\$455,202	123	\$447,800
1985	127	\$17,193,163	\$39,167,176	123	\$318,432	129	\$303,622
1986	125	\$15,470,130	\$34,598,889	121	\$285,941	125	\$276,791
1987	125	\$13,634,984	\$29,420,838	115	\$255,833	125	\$235,367
1988	124	\$43,446,475	\$90,021,977	114	\$789,666	125	\$720,176
1989	126	\$26,173,328	\$51,738,760	119	\$434,779	122	\$424,088
1990	126	\$19,425,259	\$36,430,906	121	\$301,082	126	\$289,134
1991	126	\$12,412,912	\$22,339,595	120	\$186,163	122	\$183,111
1992	125	\$25,851,950	\$45,166,287	119	\$379,549	123	\$367,206
1993	126	\$16,155,304	\$27,404,762	122	\$224,629	124	\$221,006
1994	124	\$13,522,327	\$22,365,674	119	\$187,947	128	\$174,732
1995	124	\$20,927,345	\$33,659,520	118	\$285,250	124	\$271,448
1996	124	\$4,139,174	\$6,466,503	101	\$64,025	102	\$63,397
1997	122	\$4,677,464	\$7,143,551	82	\$87,116	84	\$85,042
1998	122	\$8,448,356	\$12,704,670	79	\$160,819	83	\$153,068
1999	121	\$11,325,415	\$16,663,180	74	\$225,178	74	\$225,178
2000	121	\$5,988,400	\$8,524,255	76	\$112,161	77	\$110,705
2001	121	\$2,942,906	\$4,073,207	64	\$63,644	65	\$62,665
2002	121	\$2,440,835	\$3,325,723	42	\$79,184	45	\$73,905
2003	118	\$2,768,854	\$3,688,595	46	\$80,187	48	\$76,846
2004	121	\$6,231,259	\$8,085,792	42	\$192,519	41	\$197,214
2005	119	\$8,198,909	\$10,290,408	46	\$223,705	45	\$228,676
2006	119	\$7,257,934	\$8,824,726	43	\$205,226	44	\$200,562
2007	118	\$10,796,933	\$12,764,149	46	\$277,481	45	\$283,648
2008	118	\$20,666,856	\$23,528,979	55	\$427,800	53	\$443,943
2009	119	\$14,397,480	\$16,449,891	54	\$304,628	58	\$283,619
2010	119	\$6,536,660	\$7,347,957	63	\$116,634	63	\$116,634
2011	119	\$17,378,750	\$18,937,930	59	\$320,982	58	\$326,516
2012	119	\$9,977,673	\$10,652,401	56	\$190,221	53	\$200,989
2013	119	\$20,785,242	\$21,870,468	60	\$364,508	60	\$364,508
2014	119	\$7,909,310	\$8,189,418	49	\$167,131	52	\$157,489
2015	119	\$18,581,042	\$19,216,280	57	\$337,128	56	\$343,148
2016	119	\$9,134,075	\$9,328,663	49	\$190,381	48	\$194,347
2017	119	\$39,340,702	\$39,340,702	55	\$715,285	52	\$756,552

- Adjusted for inflation to 2017 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, 1975-2017

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	44	\$35,843	\$1,577,113	1 to 3	confidential	confidential	confidential	confidential	confidential	54	\$39,055	\$2,108,950
1976	76	\$183,273	\$13,928,743	1 to 3	confidential	confidential	confidential	confidential	confidential	88	\$183,233	\$16,124,491
1977	74	\$121,107	\$8,961,948	1 to 3	confidential	confidential	confidential	confidential	confidential	83	\$120,050	\$9,964,141
1978	98	\$319,690	\$31,329,573	1 to 3	confidential	confidential	confidential	confidential	confidential	111	\$331,704	\$36,819,120
1979	106	\$462,223	\$48,995,597	1 to 3	confidential	confidential	confidential	confidential	confidential	120	\$527,287	\$63,274,407
1980	100	\$396,279	\$39,627,947	4	\$457,934	\$1,831,734	20	\$668,783	\$13,375,656	124	\$442,220	\$54,835,338
1981	99	\$445,436	\$44,098,166	5	\$397,471	\$1,987,354	19	\$693,130	\$13,169,464	123	\$481,748	\$59,254,985
1982	94	\$366,674	\$34,467,328	4	\$398,545	\$1,594,178	20	\$515,219	\$10,304,387	118	\$392,931	\$46,365,893
1983	95	\$264,796	\$25,155,651	8	\$361,641	\$2,893,131	19	\$403,755	\$7,671,348	122	\$292,788	\$35,720,130
1984	94	\$428,239	\$40,254,452	11	\$489,724	\$5,386,961	18	\$524,332	\$9,437,977	123	\$447,800	\$55,079,390
1985	96	\$291,700	\$28,003,163	10	\$309,025	\$3,090,251	23	\$351,033	\$8,073,762	129	\$303,622	\$39,167,176
1986	92	\$274,011	\$25,209,035	9	\$266,758	\$2,400,822	21	\$332,811	\$6,989,031	122	\$283,597	\$34,598,889
1987	92	\$232,442	\$21,384,643	4	\$174,910	\$699,641	23	\$318,981	\$7,336,554	119	\$247,234	\$29,420,838
1988	88	\$721,876	\$63,525,109	5	\$702,290	\$3,511,452	23	\$999,366	\$22,985,416	116	\$776,052	\$90,021,977
1989	85	\$405,746	\$34,488,399	7	\$296,029	\$2,072,203	28	\$542,077	\$15,178,157	120	\$431,156	\$51,738,760
1990	87	\$264,738	\$23,032,195	6	\$276,578	\$1,659,465	30	\$391,308	\$11,739,246	123	\$296,186	\$36,430,906
1991	90	\$173,711	\$15,634,014	6	\$224,460	\$1,346,758	27	\$198,475	\$5,358,824	123	\$181,623	\$22,339,595
1992	85	\$357,098	\$30,353,290	6	\$361,677	\$2,170,062	31	\$407,837	\$12,642,935	122	\$370,215	\$45,166,287
1993	88	\$217,771	\$19,163,882	4	\$266,154	\$1,064,617	35	\$205,036	\$7,176,264	127	\$215,786	\$27,404,762
1994	87	\$178,536	\$15,532,630	5	\$177,455	\$887,276	28	\$212,349	\$5,945,767	120	\$186,381	\$22,365,674
1995	83	\$274,535	\$22,786,398	6	\$234,452	\$1,406,709	29	\$326,428	\$9,466,413	118	\$285,250	\$33,659,520
1996	78	\$63,009	\$4,914,689	4	\$45,209	\$180,835	21	\$65,285	\$1,370,979	103	\$62,782	\$6,466,503
1997	64	\$89,167	\$5,706,692	1 to 3	confidential	confidential	confidential	confidential	confidential	83	\$86,067	\$7,143,551
1998	65	\$154,451	\$10,039,326	4	\$112,369	\$449,474	10	\$221,587	\$2,215,870	79	\$160,819	\$12,704,670
1999	60	\$222,186	\$13,331,148	5	\$182,626	\$913,130	10	\$241,890	\$2,418,901	75	\$222,176	\$16,663,180
2000	58	\$105,860	\$6,139,869	5	\$88,585	\$442,924	15	\$129,431	\$1,941,462	78	\$109,285	\$8,524,255
2001	59	\$59,062	\$3,484,662	1 to 3	confidential	confidential	confidential	confidential	confidential	65	\$62,665	\$4,073,207
2002	37	\$78,702	\$2,911,982	confidential	confidential	confidential	1 to 3	confidential	confidential	42	\$79,184	\$3,325,723
2003	39	\$80,615	\$3,144,001	confidential	confidential	confidential	1 to 3	confidential	confidential	46	\$80,187	\$3,688,595
2004	33	\$190,731	\$6,294,116	4	\$157,597	\$630,388	5	\$232,258	\$1,161,288	42	\$192,519	\$8,085,792
2005	34	\$231,238	\$7,862,098	1 to 3	confidential	confidential	confidential	confidential	confidential	45	\$228,676	\$10,290,408
2006	33	\$179,449	\$5,921,831	4	\$195,303	\$781,213	7	\$303,098	\$2,121,683	44	\$200,562	\$8,824,726
2007	35	\$265,501	\$9,292,540	1 to 3	confidential	confidential	confidential	confidential	confidential	46	\$277,481	\$12,764,149
2008	41	\$381,183	\$15,628,509	7	\$459,677	\$3,217,738	9	\$520,304	\$4,682,732	57	\$412,789	\$23,528,979
2009	39	\$284,523	\$11,096,382	4	\$369,444	\$1,477,774	12	\$322,978	\$3,875,735	55	\$299,089	\$16,449,891
2010	41	\$100,258	\$4,110,571	4	\$174,094	\$696,375	21	\$121,001	\$2,541,011	66	\$111,333	\$7,347,957
2011	43	\$292,145	\$12,562,229	7	\$322,533	\$2,257,730	9	\$457,552	\$4,117,972	59	\$320,982	\$18,937,930
2012	40	\$183,030	\$7,321,203	8	\$173,577	\$1,388,617	8	\$242,823	\$1,942,581	56	\$190,221	\$10,652,401
2013	45	\$291,431	\$13,114,374	7	\$481,736	\$3,372,155	10	\$538,394	\$5,383,938	62	\$352,749	\$21,870,468
2014	37	\$140,160	\$5,185,931	7	\$239,087	\$1,673,606	6	\$221,647	\$1,329,881	50	\$163,788	\$8,189,418
2015	43	\$272,468	\$11,716,129	7	\$512,807	\$3,589,652	10	\$391,050	\$3,910,499	60	\$320,271	\$19,216,280
2016	32	\$162,288	\$5,193,211	8	\$260,969	\$2,087,748	9	\$227,523	\$2,047,704	49	\$190,381	\$9,328,663
2017	37	\$652,562	\$24,144,807	8	\$924,250	\$7,394,002	12	\$650,158	\$7,801,894	57	\$690,188	\$39,340,702

- Adjusted for inflation to 2017 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 to 2017

Year	Southeastern		Southcentral		Southwestern		Unimak		Akutan		Northwestern		Northern		Total Permits	Total Earnings
	Permits	Real Value														
1975	13	\$795,349	38	\$495,282	18	\$653,617	0	\$0	4	\$101,398	8	\$63,304	0	\$0	54	\$2,108,950
1976	46	\$3,646,539	83	\$10,925,717	21	\$932,507	0	\$0	0	\$0	confidential	confidential	1 - 3	confidential	86	\$16,124,491
1977	24	\$1,447,710	76	\$6,429,898	15	\$648,393	0	\$0	0	\$0	confidential	confidential	1 - 3	confidential	82	\$9,964,141
1978	53	\$11,401,052	90	\$18,865,795	22	\$1,721,215	0	\$0	6	\$153,864	confidential	confidential	1 - 3	confidential	111	\$36,819,120
1979	66	\$26,479,413	92	\$21,644,048	18	\$10,299,044	0	\$0	confidential	confidential	13	\$2,068,517	1 - 3	confidential	118	\$63,274,407
1980	67	\$13,563,177	93	\$14,198,584	54	\$15,826,651	0	\$0	28	\$7,216,138	15	\$3,616,265	10	\$414,522	123	\$54,835,338
1981	69	\$20,734,428	101	\$17,817,748	77	\$14,559,518	0	\$0	16	\$1,278,082	19	\$4,198,178	7	\$667,031	122	\$59,254,985
1982	69	\$17,838,452	87	\$8,933,058	78	\$16,338,403	0	\$0	15	\$1,870,012	8	\$1,169,444	5	\$216,523	116	\$46,365,893
1983	70	\$12,816,601	104	\$7,200,051	95	\$14,069,583	0	\$0	1 - 3	confidential	14	\$1,209,455	confidential	confidential	121	\$35,720,130
1984	84	\$12,708,130	111	\$23,272,695	80	\$10,305,539	0	\$0	19	\$4,397,635	37	\$4,024,814	6	\$370,577	121	\$55,079,390
1985	79	\$12,341,732	98	\$8,552,961	98	\$13,786,406	0	\$0	1 - 3	confidential	confidential	confidential	26	\$1,879,773	123	\$39,167,176
1986	69	\$17,830,161	87	\$8,855,650	73	\$3,887,503	0	\$0	9	\$310,602	21	\$2,850,658	24	\$864,314	121	\$34,598,889
1987	76	\$14,400,986	89	\$4,863,612	76	\$6,204,104	0	\$0	1 - 3	confidential	20	\$3,878,685	confidential	confidential	115	\$29,420,838
1988	76	\$53,003,335	93	\$23,559,297	56	\$7,156,691	0	\$0	1 - 3	confidential	14	\$4,169,580	confidential	confidential	114	\$90,021,977
1989	87	\$25,848,644	108	\$10,127,849	98	\$14,900,162	0	\$0	1 - 3	confidential	11	\$617,128	confidential	confidential	119	\$51,738,760
1990	85	\$15,722,661	107	\$6,159,253	95	\$11,262,654	0	\$0	15	\$631,305	13	\$1,682,424	20	\$972,610	121	\$36,430,906
1991	86	\$8,244,399	86	\$3,178,650	71	\$3,767,195	80	\$5,623,108	1 - 3	confidential	9	\$1,404,673	confidential	confidential	120	\$22,339,595
1992	80	\$13,508,743	90	\$4,887,494	102	\$13,292,235	79	\$10,837,352	4	\$304,029	11	\$1,001,967	26	\$1,334,467	119	\$45,166,287
1993	71	\$10,818,273	73	\$1,829,244	77	\$4,279,778	79	\$9,297,895	0	\$0	8	\$448,734	36	\$730,838	122	\$27,404,762
1994	78	\$7,194,479	76	\$2,520,302	106	\$7,052,229	73	\$4,259,379	10	\$695,722	8	\$470,139	17	\$173,424	119	\$22,365,674
1995	78	\$16,600,737	69	\$4,698,977	73	\$6,955,626	65	\$4,994,391	0	\$0	7	\$289,996	12	\$119,792	118	\$33,659,520
1996	64	\$4,480,266	25	\$321,308	57	\$678,621	35	\$641,809	0	\$0	4	\$313,046	9	\$31,453	101	\$6,466,503
1997	51	\$3,975,663	40	\$620,031	48	\$1,955,816	30	\$414,121	0	\$0	confidential	confidential	1 - 3	confidential	82	\$7,143,551
1998	49	\$6,664,112	51	\$2,675,869	46	\$2,880,223	6	\$282,522	0	\$0	4	\$201,944	0	\$0	79	\$12,704,670
1999	48	\$9,027,025	46	\$2,187,477	54	\$4,351,447	26	\$462,526	0	\$0	7	\$634,704	0	\$0	74	\$16,663,180
2000	47	\$4,828,447	42	\$852,280	61	\$1,721,443	36	\$416,986	1 - 3	confidential	confidential	confidential	0	\$0	76	\$8,524,255
2001	38	\$1,839,263	28	\$581,390	31	\$1,322,129	confidential	confidential	0	\$0	7	\$306,956	1 - 3	confidential	64	\$4,073,207
2002	23	\$1,736,436	15	\$281,561	22	\$1,056,786	6	\$25,147	0	\$0	7	\$225,793	0	\$0	42	\$3,325,723
2003	27	\$1,435,457	16	\$731,718	21	\$1,222,829	10	\$62,850	0	\$0	6	\$235,741	0	\$0	46	\$3,688,595
2004	26	\$5,305,454	12	\$1,086,585	19	\$1,250,647	5	\$33,831	0	\$0	6	\$409,276	0	\$0	42	\$8,085,792
2005	31	\$6,447,805	14	\$1,384,121	17	\$1,855,856	1 to 3	confidential	0	\$0	confidential	confidential	0	\$0	46	\$10,290,408
2006	28	\$5,548,367	15	\$777,868	15	\$1,534,619	0	\$0	1 - 3	confidential	6	\$352,995	1 - 3	confidential	43	\$8,824,726
2007	31	\$7,779,436	12	\$1,260,396	18	\$2,223,535	15	\$411,108	1 - 3	confidential	confidential	confidential	0	\$0	46	\$12,764,149
2008	39	\$12,071,720	22	\$2,976,000	23	\$4,650,734	15	\$2,177,928	4	\$978,691	1 - 3	confidential	1 - 3	confidential	55	\$23,528,979
2009	36	\$8,888,573	24	\$871,574	25	\$3,377,933	16	\$1,358,811	6	\$1,402,573	6	\$550,428	0	\$0	54	\$16,449,891
2010	44	\$4,508,521	10	\$211,608	28	\$910,315	19	\$866,583	9	\$44,742	confidential	confidential	1 - 3	confidential	63	\$7,347,957
2011	42	\$11,051,526	26	\$1,514,204	24	\$974,829	26	\$3,606,305	8	\$908,167	5	\$882,900	0	\$0	59	\$18,937,930
2012	41	\$7,053,332	12	\$69,998	25	\$664,386	21	\$1,705,902	9	\$216,627	6	\$942,156	0	\$0	56	\$10,652,401
2013	52	\$14,391,185	39	\$3,552,236	22	\$1,388,143	19	\$2,069,601	0	\$0	confidential	confidential	1 - 3	confidential	60	\$21,870,468
2014	41	\$4,200,691	17	\$622,302	20	\$1,335,163	18	\$1,293,505	5	\$119,911	5	\$617,846	0	\$0	49	\$8,189,418
2015	51	\$11,434,701	31	\$3,038,959	30	\$4,111,272	13	\$164,129	0	\$0	confidential	confidential	1 - 3	confidential	57	\$19,216,280
2016	39	\$4,281,005	22	\$1,795,310	23	\$1,627,875	18	\$1,285,637	0	\$0	5	\$338,837	0	\$0	49	\$9,328,663
2017	42	\$21,164,598	43	\$5,718,911	27	\$9,252,390	16	\$2,488,287	0	\$0	4	\$716,517	0	\$0	55	\$39,340,702

- Adjusted for inflation to 2017 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits are used to record landings in more than one district.
- 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 purse seine 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 permit issued in this fishery was a transferable permit.

Table 3-1. Initial Issuance and Year-end 2017 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		2017 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%	-57	-57.6%	-9	-9.1%	0	0.0%	33	20.4%
Nonlocal	14	8.6%	43	307.1%	-1	-7.1%	0	0.0%	56	34.6%
Nonresident	49	30.2%	14	28.6%	10	20.4%	0	0.0%	73	45.1%
Total	162	100.0%	0	0.0%	0	0.0%	0	0.0%	162	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). 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.⁷ The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 3-2. Transfer Acquisition Methods for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2017

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
<i>Gift</i>	183	34.9%	528	41.3%	3,719	32.4%	13,825	36.5%
<i>Sale</i>	305	58.2%	662	51.8%	7,193	62.7%	22,262	58.8%
<i>Trade</i>	11	2.1%	30	2.3%	119	1.0%	520	1.4%
<i>Other</i>	25	4.8%	59	4.6%	432	3.8%	1,225	3.2%
Total	524		1,279		11,463		37,832	

Table 3-2 compares and contrasts transfer acquisition methods for the S03M permits, the combined Alaska Peninsula salmon permit types, statewide salmon drift gillnet permits, and all limited entry permits between 1980 and 2017. Just over a third of all S03M permit transfers were gifts (34.9% or 183/524), more than half of all transfers were sales (58.2%, or 305/524), and a smaller percentage were trades (2.1% or 11/524) or other (4.8% or 25/524). The annual acquisition methods for S03M permits can be viewed in a different publication.⁸

Table 3-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Drift Gillnet Permits, 1980-2017

Relationship	Alaska Peninsula Salmon Drift Gillnet		Combined Alaska Peninsula		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	92	17.6%	234	18.3%	1,897	16.5%	6,992	18.5%
<i>Member of Immediate Family</i>	166	31.7%	503	39.3%	3,593	31.3%	12,802	33.8%
<i>Other Relative</i>	33	6.3%	76	5.9%	483	4.2%	1,743	4.6%
<i>Other</i>	233	44.5%	466	36.4%	5,490	47.9%	16,295	43.1%
Total	524		1,279		11,463		37,832	

Table 3-3 shows the relationships between transferors and transfer recipients for S03M permits, and compares S03M permit transfers with the combined Alaska Peninsula salmon permit types, statewide salmon drift gillnet permits, and all limited entry permits from 1980 to 2017. Transfers within the family, both immediate family members and other relatives, total 38.0% (199/524) of all transfers. This compares to 45.3% (579/1,279) for all Alaska Peninsula salmon permit types combined, 35.6% (4,076/11,463) for statewide salmon drift gillnet permits, and 38.4% (14,545/37,832) for all limited entry permits statewide.

⁷ CFEC implemented the transfer survey in 1980.

⁸ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2017*, CFEC Report No. 18-2N.

Emergency Transfers of S03M Permits

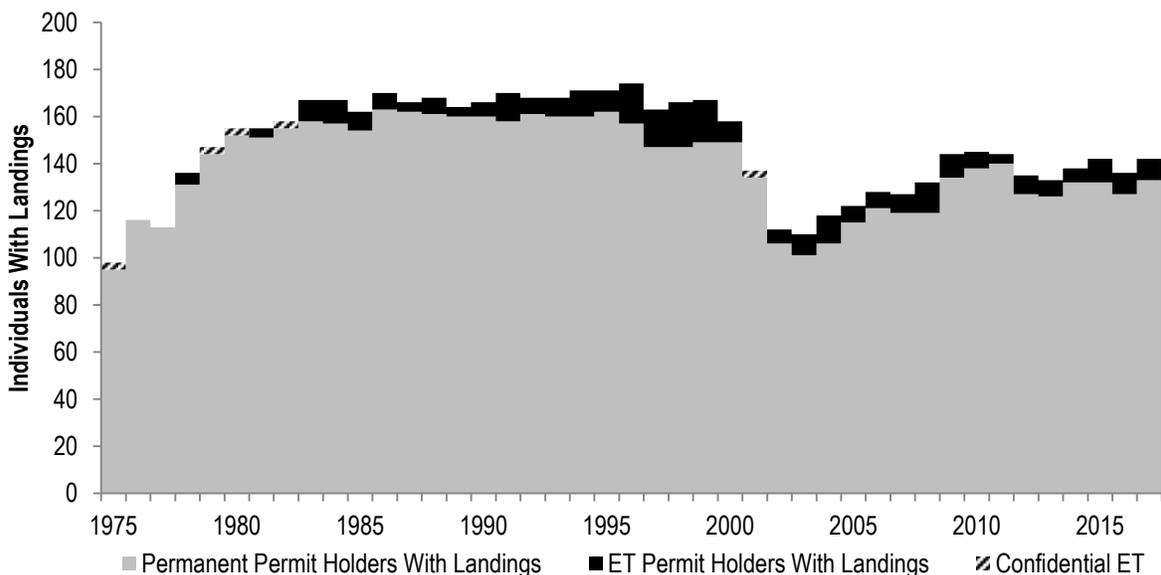
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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, 1975-2017

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	98	1 to 3	-
1976	116	0	0.0%
1977	113	0	0.0%
1978	136	5	3.7%
1979	147	1 to 3	-
1980	155	1 to 3	-
1981	155	4	2.6%
1982	158	1 to 3	-
1983	167	9	5.4%
1984	167	10	6.0%
1985	162	8	4.9%
1986	170	7	4.1%
1987	166	4	2.4%
1988	168	7	4.2%
1989	164	4	2.4%
1990	166	6	3.6%
1991	170	12	7.1%
1992	168	7	4.2%
1993	168	8	4.8%
1994	171	11	6.4%
1995	171	9	5.3%
1996	174	17	9.8%
1997	163	16	9.8%
1998	166	19	11.4%
1999	167	18	10.8%
2000	158	9	5.7%
2001	137	1 to 3	-
2002	112	6	5.4%
2003	110	9	8.2%
2004	118	12	10.2%
2005	122	7	5.7%
2006	128	7	5.5%
2007	127	8	6.3%
2008	132	13	9.8%
2009	144	10	6.9%
2010	145	7	4.8%
2011	144	4	2.8%
2012	135	8	5.9%
2013	133	7	5.3%
2014	138	6	4.3%
2015	142	10	7.0%
2016	136	9	6.6%
2017	142	9	6.3%

Figure 3-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017



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 (don't record landings) in a given year are referred to herein as "latent" permits for that year.

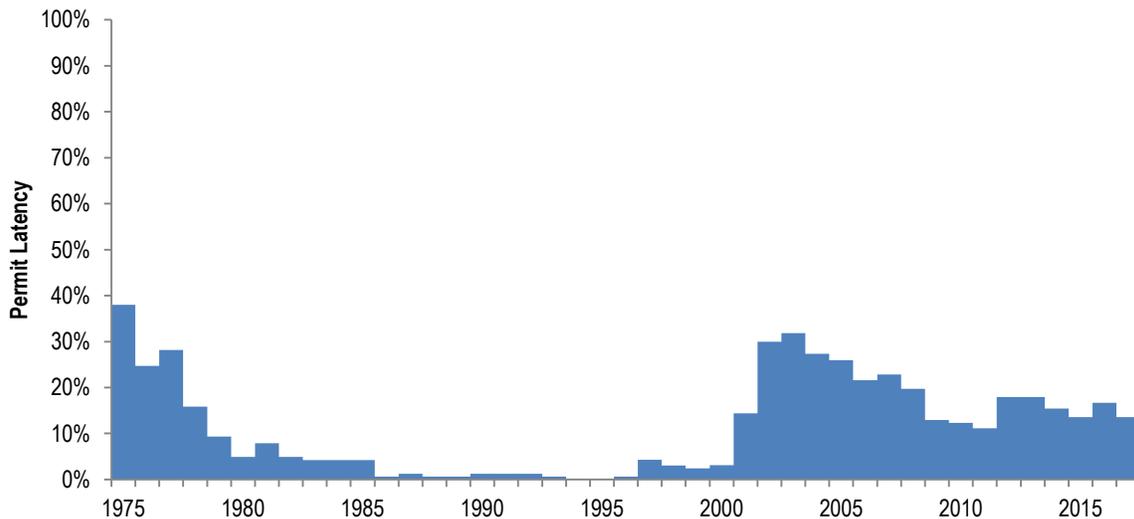
Table 3-5 indicates the total number of viable S03M permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 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, 1975-2017

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

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

Figure 3-2. Alaska Peninsula Salmon Drift Gillnet Permit Latency Rate, 1975-2017



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. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

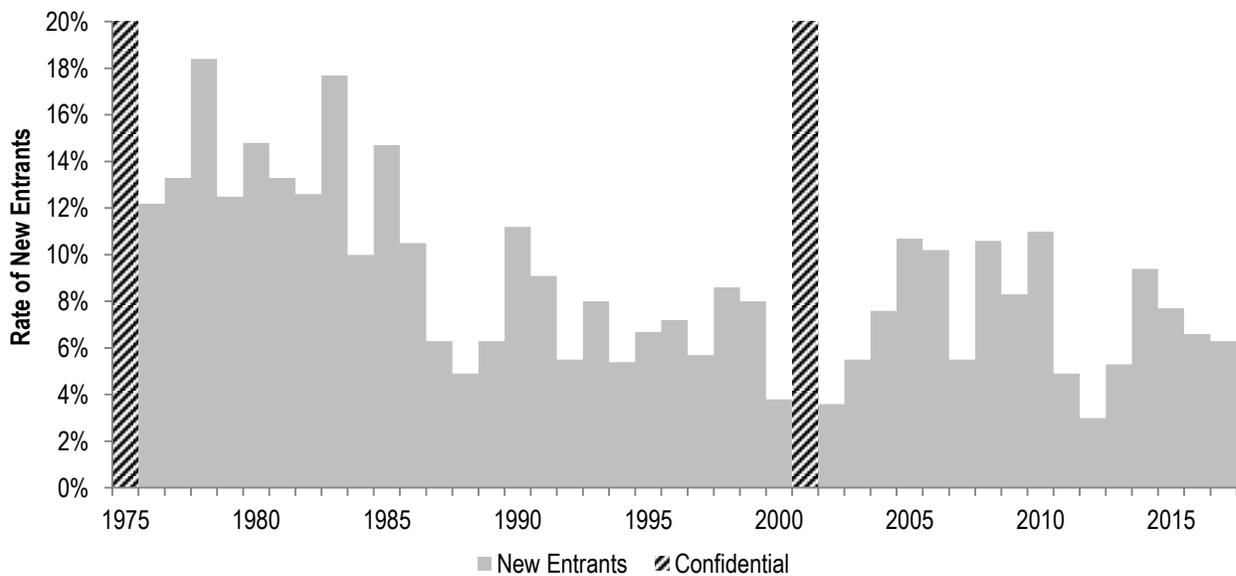
Table 3-6 and Figure 3-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S03M permit one year, and then in subsequent years hold a different S03M permit. Likewise, individuals may enter and exit 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 on a permanent permit.

Table 3-6. New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017

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	-	1986	162	17	10.5%	1997	158	9	5.7%	2008	132	14	10.6%
1976	115	14	12.2%	1987	160	10	6.3%	1998	162	14	8.6%	2009	144	12	8.3%
1977	113	15	13.3%	1988	163	8	4.9%	1999	163	13	8.0%	2010	145	16	11.0%
1978	136	25	18.4%	1989	158	10	6.3%	2000	157	6	3.8%	2011	144	7	4.9%
1979	144	18	12.5%	1990	161	18	11.2%	2001	137	1 to 3	-	2012	135	4	3.0%
1980	149	22	14.8%	1991	165	15	9.1%	2002	112	4	3.6%	2013	133	7	5.3%
1981	150	20	13.3%	1992	163	9	5.5%	2003	110	6	5.5%	2014	138	13	9.4%
1982	151	19	12.6%	1993	163	13	8.0%	2004	118	9	7.6%	2015	142	11	7.7%
1983	158	28	17.7%	1994	166	9	5.4%	2005	122	13	10.7%	2016	136	9	6.6%
1984	160	16	10.0%	1995	165	11	6.7%	2006	128	13	10.2%	2017	142	9	6.3%
1985	156	23	14.7%	1996	167	12	7.2%	2007	127	7	5.5%				

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

Figure 3-3. Rate of New Entrants into the Alaska Peninsula Salmon Drift Gillnet Fishery, 1975-2017



Age of S03M Permit Holders

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

Year	S03M	Combined Alaska Peninsula	Statewide Salmon Drift Gillnet	Statewide All Permits	Mean AK Worker Age
1980	39.5	40.1	42.1	38.9	33.4
1981	38.7	40.0	41.9	39.9	33.5
1982	37.6	39.8	41.4	40.0	33.6
1983	37.1	39.8	41.4	40.2	33.7
1984	38.0	40.2	41.7	40.4	33.8
1985	37.6	40.6	41.9	40.8	34.0
1986	37.8	40.8	42.0	41.0	34.2
1987	38.3	41.2	42.3	40.9	34.5
1988	38.7	41.4	42.6	41.2	34.9
1989	38.2	42.0	42.8	41.5	35.3
1990	38.5	42.5	43.2	42.0	35.5
1991	38.9	42.9	43.7	42.5	35.9
1992	39.0	43.2	44.2	42.9	36.2
1993	40.0	43.7	44.7	43.5	36.5
1994	40.9	44.1	45.1	44.0	36.7
1995	40.8	44.4	45.3	44.4	37.0
1996	41.3	44.6	45.5	44.8	37.2
1997	42.5	45.0	46.0	45.1	37.4
1998	43.4	45.3	46.2	45.6	37.6
1999	43.2	45.7	46.7	46.0	37.8
2000	43.9	46.0	47.1	46.4	37.9
2001	44.8	46.3	47.6	46.9	38.1
2002	45.6	47.0	48.2	47.4	38.3
2003	47.2	47.2	48.5	47.9	38.4
2004	48.5	47.2	48.7	48.2	38.6
2005	47.2	46.7	48.5	48.4	38.7
2006	47.3	46.6	48.6	48.7	38.8
2007	48.3	46.3	48.3	48.9	38.9
2008	48.2	46.4	48.4	49.0	39.0
2009	48.5	46.4	48.4	49.3	39.1
2010	48.3	46.3	48.1	49.5	39.2
2011	48.8	46.6	48.0	49.6	39.4
2012	49.9	46.7	47.8	49.8	39.4
2013	49.7	46.4	47.7	50.0	39.5
2014	49.2	46.5	47.8	50.2	39.5
2015	49.5	46.8	48.1	50.6	39.5
2016	48.9	47.2	48.4	50.9	39.6
2017	48.9	47.3	48.7	51.3	39.6

- Mean AK Worker 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) combined Alaska Peninsula salmon permit holders; 3) statewide salmon drift gillnet permit holders 4) all CFEC limited entry permit holders; and 5) the Alaskan worker age population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S03M 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 worker age population has increased 6.1 years between 1980 and 2017, which represents an 18.4% increase. The percent change in ages over the same period for all CFEC permit holders was 31.7% (12.4 years), 15.5% (6.5 years) for the statewide salmon drift gillnet permit holders, and 18.1% (7.3 years) for the combined Alaska Peninsula salmon permit holders.

For S03M permit holders, the mean age increased 11.9% (5.1 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		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	13	\$128,833	-	\$327,249	-
1983	10	\$157,700	-	\$388,107	-
1984	7	\$186,429	-	\$439,822	-
1985	15	\$175,176	-	\$399,063	-
1986	13	\$197,000	-	\$440,590	-
1987	7	\$215,429	-	\$464,841	-
1988	2	\$235,000	-	\$486,925	-
1989	5	\$344,000	-	\$680,010	-
1990	13	\$355,962	-	\$667,585	-
1991	6	\$357,000	\$41,000	\$642,495	\$73,788
1992	7	\$319,300	\$27,300	\$557,853	\$47,696
1993	9	\$389,900	\$30,700	\$661,400	\$52,077
1994	4	\$329,800	\$33,250	\$545,483	\$54,995
1995	6	\$305,200	\$8,750	\$490,883	\$14,073
1996	8	\$309,400	\$23,950	\$483,366	\$37,416
1997	3	\$285,000	\$54,000	\$435,260	\$82,470
1998	1	\$228,800	\$59,750	\$344,070	\$89,852
1999	6	\$154,400	\$34,050	\$227,170	\$50,098
2000	3	\$146,400	\$36,200	\$208,395	\$51,529
2001	2	\$123,000	\$8,350	\$170,241	\$11,557
2002	6	\$24,800	\$2,950	\$33,791	\$4,019
2003	13	\$23,100	\$2,700	\$30,773	\$3,597
2004	7	\$28,000	\$6,150	\$36,333	\$7,980
2005	19	\$47,400	\$6,700	\$59,491	\$8,409
2006	8	\$73,100	\$12,250	\$88,880	\$14,894
2007	9	\$74,700	\$14,600	\$88,310	\$17,260
2008	7	\$97,900	\$12,850	\$111,458	\$14,630
2009	7	\$98,000	\$16,950	\$111,970	\$19,366
2010	15	\$108,100	\$7,200	\$121,517	\$8,094
2011	8	\$127,800	\$16,800	\$139,266	\$18,307
2012	3	\$112,400	\$26,300	\$120,001	\$28,079
2013	11	\$81,800	\$10,700	\$86,071	\$11,259
2014	9	\$98,000	\$13,450	\$101,471	\$13,926
2015	1	\$119,500	\$18,400	\$123,585	\$19,029
2016	5	\$103,900	\$10,650	\$106,113	\$10,877
2017	6	\$122,000	\$19,750	\$122,000	\$19,750

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2017 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 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, median, and 75th percentile.

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

Year	Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	Count	%	Count	25%	Median	75%
1978	131	118	4	9	16	128	29	32	34	127	130	165	220	121	5	0	71	150	160	350
1979	149	144	1	6	12	146	30	32	36	136	130	170	230	124	4	0	77	150	180	432
1980	160	156	1	5	11	157	31	32	36	144	160	200	250	141	4	0	84	150	236	416
1981	156	150	2	4	11	150	31	32	36	132	165	218	270	135	5	0	76	150	245	400
1982	164	160	3	4	10	160	32	34	37	142	177	250	280	141	4	0	82	160	320	450
1983	164	159	3	5	11	159	32	34	36	152	200	250	276	146	4	0	86	160	320	450
1984	154	148	4	6	11	148	32	34	36	143	200	250	280	136	4	0	89	200	344	450
1985	155	151	4	6	11	150	32	34	37	146	200	250	300	140	4	0	96	200	344	491
1986	171	171	4	7	11	169	32	34	37	165	210	260	300	159	7	0	115	216	344	495
1987	171	171	5	8	10	169	32	34	37	165	216	270	310	159	9	0	114	216	347	495
1988	162	162	5	8	10	161	32	34	38	158	240	270	312	152	10	0	107	260	350	500
1989	165	165	6	9	11	163	32	35	38	162	250	273	330	156	18	0	115	270	350	500
1990	166	165	6	10	12	165	32	35	39	164	250	280	359	154	23	0	110	270	353	500
1991	165	165	6	10	13	165	32	35	40	163	250	300	400	150	23	0	112	290	389	500
1992	164	164	6	10	13	164	32	36	40	163	260	310	425	150	32	0	109	280	392	500
1993	165	164	5	11	14	163	34	37	40	163	270	315	440	147	41	0	104	300	389	500
1994	167	167	5	12	15	166	34	37	40	165	260	310	440	155	45	0	104	300	396	500
1995	169	169	6	12	16	169	34	37	41	166	270	315	440	156	46	0	105	300	385	500
1996	172	172	7	13	17	172	34	38	41	170	270	340	460	156	52	0	103	300	392	535
1997	165	165	8	14	18	165	34	38	41	162	270	358	460	148	55	0	99	300	400	565
1998	167	167	8	14	19	167	32	37	41	166	280	350	450	151	58	0	103	300	400	561
1999	163	163	10	15	20	163	34	38	41	162	280	358	460	151	59	0	99	300	400	561
2000	160	160	11	16	21	160	34	38	41	159	280	358	450	148	64	0	100	300	400	581
2001	137	137	12	17	22	137	34	38	41	136	300	358	445	126	60	0	86	300	400	512
2002	115	115	13	18	23	115	32	37	41	114	280	350	440	108	54	1	73	300	350	500
2003	109	109	14	18	23	109	34	38	41	109	300	358	440	103	54	1	68	300	358	513
2004	118	118	15	20	25	118	34	38	42	118	285	350	460	112	56	1	70	300	350	500
2005	122	122	16	21	25	122	34	38	42	122	280	358	475	116	62	1	74	300	386	500
2006	133	133	17	22	27	133	34	38	41	133	285	350	460	128	67	1	83	300	380	520
2007	130	129	18	23	28	129	34	38	42	129	300	358	460	124	64	1	75	300	400	525
2008	155	137	18	23	28	137	34	38	42	135	280	350	460	129	74	1	80	300	400	523
2009	142	142	19	24	30	142	34	38	42	139	300	375	480	137	82	1	80	300	400	525
2010	147	147	20	25	30	147	34	38	42	145	280	375	460	141	87	1	85	280	400	525
2011	146	146	21	26	32	146	34	38	42	143	280	375	480	140	87	1	84	290	455	574
2012	133	132	22	27	32	132	34	39	42	129	300	375	460	129	85	1	77	300	450	561
2013	136	136	24	28	33	136	34	38	42	133	290	375	460	132	86	1	80	286	400	550
2014	139	139	24	28	34	139	34	39	42	136	288	375	460	136	89	1	83	272	400	600
2015	141	141	25	29	35	141	34	39	42	138	300	375	460	137	89	1	88	300	445	600
2016	136	136	26	30	36	136	34	39	42	133	300	375	450	132	88	1	81	300	450	610
2017	140	140	27	31	37	140	34	39	42	137	300	375	450	136	91	1	81	300	470	700
Total	674					635	32	35	40	615	200	280	400	592	162	0	362	216	400	600

• Total includes every vessel used in this fishery from 1978 to 2017.

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	Steel	Wood		
1978	131	128	95 74.2%	33 25.8%	128	5 3.9%	46 35.9%	2 1.6%	75 58.6%		
1979	149	142	113 79.6%	29 20.4%	143	6 4.2%	73 51.0%	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%	49 32.0%		
1981	156	149	131 87.9%	18 12.1%	144	6 4.2%	101 70.1%	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%	29 19.0%		
1983	164	158	146 92.4%	12 7.6%	159	5 3.1%	126 79.2%	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%	20 13.6%		
1985	155	150	143 95.3%	7 4.7%	151	8 5.3%	126 83.4%	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%	13 7.6%		
1987	171	170	162 95.3%	8 4.7%	169	11 6.5%	152 89.9%	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%	4 2.5%		
1989	165	165	160 97.0%	5 3.0%	165	13 7.9%	148 89.7%	0 0.0%	4 2.4%		
1990	166	165	161 97.6%	4 2.4%	164	13 7.9%	148 90.2%	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%	2 1.2%		
1992	164	164	161 98.2%	3 1.8%	163	13 8.0%	149 91.4%	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%	1 0.6%		
1994	167	167	163 97.6%	4 2.4%	166	20 12.0%	145 87.3%	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%	2 1.2%		
1996	172	172	169 98.3%	3 1.7%	171	23 13.5%	147 86.0%	1 0.6%	0 0.0%		
1997	165	165	159 96.4%	6 3.6%	164	20 12.2%	142 86.6%	1 0.6%	1 0.6%		
1998	167	167	163 97.6%	4 2.4%	167	24 14.4%	141 84.4%	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%		
2000	160	160	157 98.1%	3 1.9%	160	22 13.8%	138 86.3%	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%		
2002	115	115	112 97.4%	3 2.6%	115	15 13.0%	99 86.1%	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%		
2004	118	118	115 97.5%	3 2.5%	118	13 11.0%	103 87.3%	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%	1 0.8%		
2006	133	133	130 97.7%	3 2.3%	132	14 10.6%	117 88.6%	1 0.8%	0 0.0%		
2007	130	129	125 96.9%	4 3.1%	128	14 10.9%	112 87.5%	1 0.8%	1 0.8%		
2008	155	137	131 95.6%	6 4.4%	135	17 12.6%	117 86.7%	1 0.7%	0 0.0%		
2009	142	142	140 98.6%	2 1.4%	141	17 12.1%	122 86.5%	2 1.4%	0 0.0%		
2010	147	147	144 98.0%	3 2.0%	147	19 12.9%	127 86.4%	1 0.7%	0 0.0%		
2011	146	146	143 97.9%	3 2.1%	146	19 13.0%	125 85.6%	2 1.4%	0 0.0%		
2012	133	132	130 98.5%	2 1.5%	132	17 12.9%	114 86.4%	1 0.8%	0 0.0%		
2013	136	136	133 97.8%	3 2.2%	136	17 12.5%	117 86.0%	1 0.7%	1 0.7%		
2014	139	139	137 98.6%	2 1.4%	139	15 10.8%	123 88.5%	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%		
2016	136	136	133 97.8%	3 2.2%	135	16 11.9%	119 88.1%	0 0.0%	0 0.0%		
2017	140	140	137 97.9%	3 2.1%	139	15 10.8%	123 88.5%	1 0.7%	0 0.0%		
Total	674	634	542 85.5%	92 14.5%	626	76 12.1%	440 70.3%	8 1.3%	102 16.3%		

- Total includes every vessel used in this fishery from 1978 to 2017.

Participation and Earnings

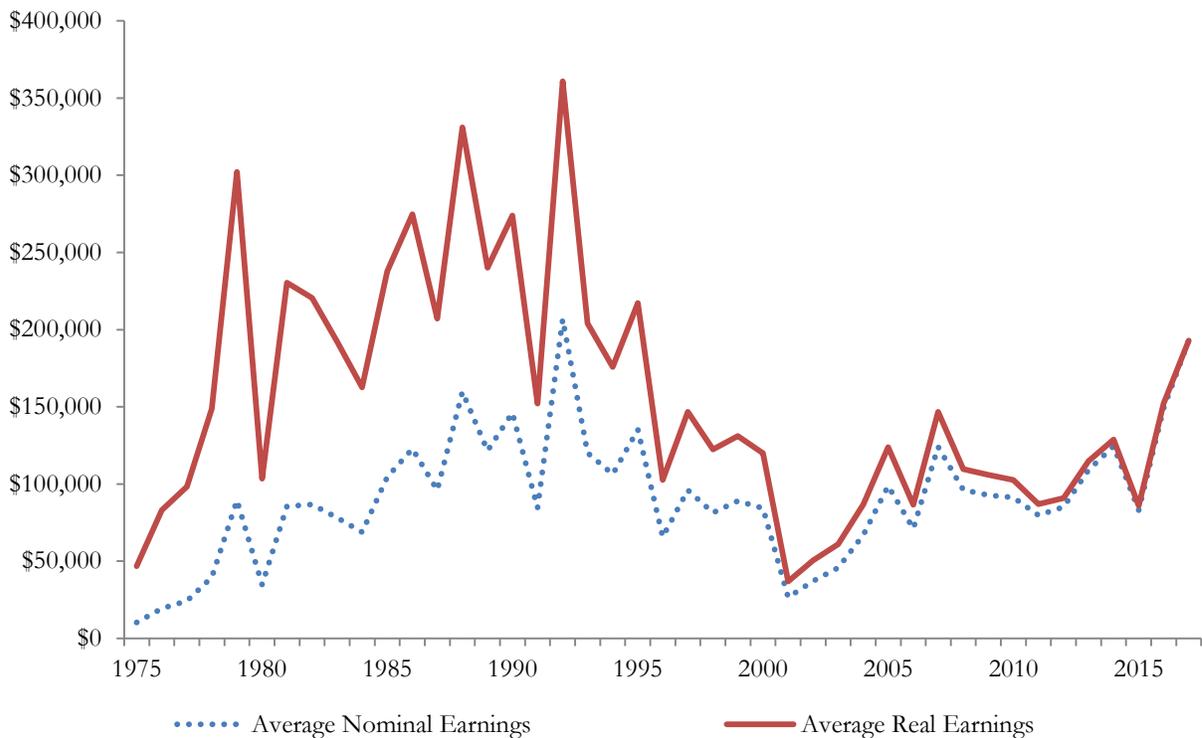
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 3-4 are for both nominal and real dollars using the 2017 Consumer Price Index from the U.S. Bureau of Labor 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 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, permits and vessels with landings, and estimated gross earnings in the Alaska Peninsula salmon drift gillnet fishery from 1975 to 2017. 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 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 2017 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, 1975-2017

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	158	\$1,007,475	\$4,590,192	98	\$46,839	121	\$37,935
1976	154	\$2,236,007	\$9,632,515	116	\$83,039	121	\$79,608
1977	156	\$2,718,588	\$10,996,373	112	\$98,182	126	\$87,273
1978	158	\$5,265,517	\$19,795,760	133	\$148,840	131	\$151,113
1979	161	\$13,065,156	\$44,111,997	146	\$302,137	149	\$296,054
1980	163	\$5,391,196	\$16,037,501	155	\$103,468	160	\$100,234
1981	165	\$12,983,561	\$35,011,336	152	\$230,338	155	\$225,880
1982	164	\$13,543,297	\$34,401,378	156	\$220,522	164	\$209,764
1983	166	\$12,406,647	\$30,533,307	159	\$192,033	164	\$186,179
1984	165	\$10,884,162	\$25,677,822	158	\$162,518	154	\$166,739
1985	165	\$16,502,021	\$37,592,708	158	\$237,929	155	\$242,534
1986	165	\$20,149,727	\$45,064,790	164	\$274,785	171	\$263,537
1987	165	\$15,639,277	\$33,745,594	163	\$207,028	171	\$197,343
1988	163	\$25,879,056	\$53,621,929	162	\$331,000	162	\$331,000
1989	164	\$19,806,600	\$39,153,176	163	\$240,204	165	\$237,292
1990	164	\$23,653,117	\$44,360,000	162	\$273,827	166	\$267,229
1991	164	\$13,698,303	\$24,652,923	162	\$152,179	165	\$149,412
1992	164	\$33,474,056	\$58,482,969	162	\$361,006	164	\$356,603
1993	164	\$19,595,162	\$33,239,903	163	\$203,926	165	\$201,454
1994	164	\$17,423,630	\$28,818,355	164	\$175,722	167	\$172,565
1995	164	\$22,154,354	\$35,633,040	164	\$217,275	169	\$210,846
1996	164	\$10,715,841	\$16,741,026	163	\$102,706	172	\$97,332
1997	164	\$15,079,264	\$23,029,466	157	\$146,684	165	\$139,573
1998	164	\$12,934,281	\$19,450,619	159	\$122,331	167	\$116,471
1999	164	\$14,254,659	\$20,973,001	160	\$131,081	163	\$128,669
2000	161	\$13,152,436	\$18,721,981	156	\$120,013	160	\$117,012
2001	160	\$3,647,387	\$5,048,263	137	\$36,849	137	\$36,849
2002	160	\$4,143,351	\$5,645,460	112	\$50,406	115	\$49,091
2003	160	\$4,982,240	\$6,637,211	109	\$60,892	109	\$60,892
2004	161	\$7,822,966	\$10,151,219	117	\$86,763	118	\$86,027
2005	162	\$11,848,309	\$14,870,750	120	\$123,923	122	\$121,891
2006	162	\$9,037,168	\$10,988,049	127	\$86,520	133	\$82,617
2007	162	\$15,503,683	\$18,328,476	125	\$146,628	130	\$140,988
2008	162	\$12,507,586	\$14,239,743	130	\$109,536	155	\$91,869
2009	162	\$13,077,582	\$14,941,837	141	\$105,970	142	\$105,224
2010	162	\$12,951,750	\$14,559,255	142	\$102,530	147	\$99,043
2011	162	\$11,486,251	\$12,516,771	144	\$86,922	146	\$85,731
2012	162	\$11,314,497	\$12,079,625	133	\$90,824	133	\$90,824
2013	162	\$14,508,277	\$15,265,773	133	\$114,780	136	\$112,248
2014	162	\$17,041,199	\$17,644,712	137	\$128,794	139	\$126,940
2015	162	\$11,629,258	\$12,026,832	140	\$85,906	141	\$85,297
2016	162	\$20,106,289	\$20,534,624	135	\$152,108	136	\$150,990
2017	162	\$27,014,615	\$27,014,615	140	\$192,962	140	\$192,962

- Adjusted for inflation to 2017 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, 1975-2017

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	67	\$35,424	\$2,373,426	4	\$61,763	\$247,053	27	\$72,952	\$1,969,714	98	\$46,839	\$4,590,192
1976	74	\$58,036	\$4,294,678	4	\$60,274	\$241,094	38	\$134,125	\$5,096,743	116	\$83,039	\$9,632,515
1977	70	\$71,688	\$5,018,147	4	\$94,579	\$378,317	39	\$143,587	\$5,599,910	113	\$97,313	\$10,996,373
1978	81	\$106,466	\$8,623,784	11	\$157,780	\$1,735,580	44	\$214,464	\$9,436,396	136	\$145,557	\$19,795,760
1979	89	\$180,772	\$16,088,739	12	\$282,492	\$3,389,910	46	\$535,508	\$24,633,349	147	\$300,082	\$44,111,997
1980	90	\$79,185	\$7,126,687	13	\$75,090	\$976,167	52	\$152,589	\$7,934,647	155	\$103,468	\$16,037,501
1981	81	\$160,143	\$12,971,550	19	\$205,498	\$3,904,461	55	\$329,733	\$18,135,325	155	\$225,880	\$35,011,336
1982	81	\$159,037	\$12,881,972	17	\$272,462	\$4,631,851	60	\$281,459	\$16,887,555	158	\$217,730	\$34,401,378
1983	80	\$124,198	\$9,935,822	23	\$201,558	\$4,635,840	64	\$249,401	\$15,961,645	167	\$182,834	\$30,533,307
1984	78	\$112,221	\$8,753,220	24	\$147,759	\$3,546,222	65	\$205,821	\$13,378,380	167	\$153,759	\$25,677,822
1985	70	\$174,966	\$12,247,618	27	\$204,833	\$5,530,501	65	\$304,840	\$19,814,590	162	\$232,054	\$37,592,708
1986	68	\$173,814	\$11,819,354	35	\$245,412	\$8,589,434	67	\$368,000	\$24,656,003	170	\$265,087	\$45,064,790
1987	64	\$147,948	\$9,468,656	36	\$219,471	\$7,900,962	66	\$248,121	\$16,375,976	166	\$203,287	\$33,745,594
1988	57	\$235,948	\$13,449,028	36	\$336,950	\$12,130,214	75	\$373,903	\$28,042,688	168	\$319,178	\$53,621,929
1989	58	\$172,576	\$10,009,432	35	\$266,550	\$9,329,265	71	\$279,077	\$19,814,479	164	\$238,739	\$39,153,176
1990	53	\$186,988	\$9,910,341	38	\$294,355	\$11,185,498	75	\$310,189	\$23,264,161	166	\$267,229	\$44,360,000
1991	54	\$108,656	\$5,867,409	42	\$156,976	\$6,592,988	74	\$164,764	\$12,192,526	170	\$145,017	\$24,652,923
1992	49	\$253,400	\$12,416,603	43	\$371,544	\$15,976,411	76	\$395,920	\$30,089,955	168	\$348,113	\$58,482,969
1993	49	\$139,183	\$6,819,978	43	\$217,906	\$9,369,937	76	\$224,342	\$17,049,988	168	\$197,857	\$33,239,903
1994	46	\$120,781	\$5,555,941	50	\$170,850	\$8,542,500	75	\$196,266	\$14,719,914	171	\$168,528	\$28,818,355
1995	44	\$144,685	\$6,366,139	50	\$223,731	\$11,186,574	77	\$234,809	\$18,080,327	171	\$208,380	\$35,633,040
1996	41	\$69,975	\$2,868,988	50	\$103,495	\$5,174,767	83	\$104,786	\$8,697,271	174	\$96,213	\$16,741,026
1997	36	\$105,228	\$3,788,195	49	\$144,224	\$7,066,973	78	\$156,081	\$12,174,298	163	\$141,285	\$23,029,466
1998	34	\$77,018	\$2,618,608	51	\$132,654	\$6,765,378	81	\$124,279	\$10,066,632	166	\$117,172	\$19,450,619
1999	34	\$87,098	\$2,961,341	52	\$122,510	\$6,370,509	81	\$143,718	\$11,641,150	167	\$125,587	\$20,973,001
2000	34	\$76,941	\$2,616,001	47	\$120,338	\$5,655,897	77	\$135,715	\$10,450,082	158	\$118,494	\$18,721,981
2001	33	\$29,128	\$961,228	34	\$32,227	\$1,095,713	70	\$42,733	\$2,991,322	137	\$36,849	\$5,048,263
2002	27	\$40,923	\$1,104,923	29	\$50,502	\$1,464,548	56	\$54,928	\$3,075,988	112	\$50,406	\$5,645,460
2003	30	\$48,167	\$1,445,001	22	\$63,769	\$1,402,908	58	\$65,333	\$3,789,302	110	\$60,338	\$6,637,211
2004	39	\$57,329	\$2,235,829	25	\$90,035	\$2,250,882	54	\$104,898	\$5,664,509	118	\$86,027	\$10,151,219
2005	39	\$78,604	\$3,065,566	27	\$126,559	\$3,417,080	56	\$149,788	\$8,388,104	122	\$121,891	\$14,870,750
2006	37	\$51,624	\$1,910,079	33	\$97,195	\$3,207,432	58	\$101,216	\$5,870,538	128	\$85,844	\$10,988,049
2007	35	\$90,964	\$3,183,743	39	\$138,618	\$5,406,096	53	\$183,748	\$9,738,637	127	\$144,319	\$18,328,476
2008	32	\$66,608	\$2,131,455	38	\$122,928	\$4,671,266	62	\$119,952	\$7,437,023	132	\$107,877	\$14,239,743
2009	35	\$75,356	\$2,637,471	45	\$108,457	\$4,880,543	64	\$115,997	\$7,423,823	144	\$103,763	\$14,941,837
2010	32	\$66,944	\$2,142,216	51	\$99,818	\$5,090,740	62	\$118,166	\$7,326,299	145	\$100,409	\$14,559,255
2011	29	\$63,585	\$1,843,979	50	\$88,298	\$4,414,912	65	\$96,275	\$6,257,880	144	\$86,922	\$12,516,771
2012	27	\$62,556	\$1,689,015	44	\$89,555	\$3,940,430	64	\$100,784	\$6,450,181	135	\$89,479	\$12,079,625
2013	30	\$93,328	\$2,799,828	41	\$110,163	\$4,516,673	62	\$128,214	\$7,949,272	133	\$114,780	\$15,265,773
2014	31	\$102,097	\$3,164,999	46	\$118,991	\$5,473,604	61	\$147,641	\$9,006,109	138	\$127,860	\$17,644,712
2015	29	\$57,672	\$1,672,497	45	\$94,946	\$4,272,556	68	\$89,438	\$6,081,779	142	\$84,696	\$12,026,832
2016	30	\$90,402	\$2,712,064	45	\$161,740	\$7,278,321	61	\$172,856	\$10,544,239	136	\$150,990	\$20,534,624
2017	28	\$128,501	\$3,598,019	50	\$207,980	\$10,398,984	64	\$203,400	\$13,017,611	142	\$190,244	\$27,014,615

- Adjusted for inflation to 2017 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 to 2017

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total Permits	Total Earnings
	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	\$2,102,452	0	\$0	0	\$0	51	\$2,480,509	98	\$4,590,192
1976	0	\$0	32	\$79,552	106	\$4,674,351	0	\$0	7	\$36,482	53	\$4,842,130	116	\$9,632,515
1977	0	\$0	1 to 3	confidential	101	\$3,808,396	0	\$0	1 to 3	confidential	60	\$7,096,392	112	\$10,996,373
1978	0	\$0	1 to 3	confidential	120	\$6,668,882	0	\$0	1 to 3	confidential	78	\$13,116,726	133	\$19,795,760
1979	0	\$0	confidential	confidential	125	\$5,062,881	0	\$0	1 to 3	confidential	107	\$38,950,439	146	\$44,111,997
1980	0	\$0	1 to 3	confidential	127	\$4,979,272	0	\$0	confidential	confidential	136	\$10,924,912	155	\$16,037,501
1981	1 to 3	confidential	10	\$114,674	133	\$11,378,086	0	\$0	confidential	confidential	134	\$23,434,153	152	\$35,011,336
1982	1 to 3	confidential	8	\$80,550	137	\$14,372,281	0	\$0	confidential	confidential	144	\$19,906,422	156	\$34,401,378
1983	0	\$0	1 to 3	confidential	147	\$8,066,110	0	\$0	confidential	confidential	144	\$22,399,837	159	\$30,533,307
1984	0	\$0	1 to 3	confidential	147	\$5,752,917	0	\$0	confidential	confidential	148	\$19,747,477	158	\$25,677,822
1985	0	\$0	1 to 3	confidential	149	\$8,882,637	0	\$0	confidential	confidential	150	\$28,617,670	158	\$37,592,708
1986	0	\$0	0	\$0	156	\$4,542,249	0	\$0	13	\$590,568	158	\$39,931,973	164	\$45,064,790
1987	0	\$0	0	\$0	145	\$11,486,798	0	\$0	17	\$283,645	151	\$21,975,151	163	\$33,745,594
1988	0	\$0	0	\$0	148	\$15,914,781	0	\$0	31	\$357,974	153	\$37,349,174	162	\$53,621,929
1989	0	\$0	0	\$0	147	\$12,524,268	0	\$0	18	\$242,670	156	\$26,386,238	163	\$39,153,176
1990	0	\$0	1 to 3	confidential	153	\$11,521,822	0	\$0	confidential	confidential	153	\$32,043,201	162	\$44,360,000
1991	0	\$0	0	\$0	100	\$1,858,841	137	\$4,280,225	19	\$313,309	158	\$18,200,548	162	\$24,652,923
1992	0	\$0	0	\$0	82	\$4,632,853	113	\$8,063,799	12	\$347,353	161	\$45,438,962	162	\$58,482,969
1993	0	\$0	0	\$0	70	\$827,374	143	\$6,772,902	7	\$52,006	162	\$25,587,622	163	\$33,239,903
1994	0	\$0	0	\$0	84	\$1,271,391	133	\$3,038,090	15	\$124,038	162	\$24,384,837	164	\$28,818,355
1995	0	\$0	0	\$0	65	\$1,064,357	150	\$6,875,522	8	\$18,988	162	\$27,674,174	164	\$35,633,040
1996	0	\$0	0	\$0	109	\$959,736	132	\$2,859,591	18	\$144,476	162	\$12,777,224	163	\$16,741,026
1997	0	\$0	0	\$0	79	\$1,794,960	128	\$5,823,683	17	\$332,625	152	\$15,078,197	157	\$23,029,466
1998	0	\$0	0	\$0	95	\$1,849,072	137	\$7,675,866	18	\$299,775	153	\$9,625,906	159	\$19,450,619
1999	0	\$0	0	\$0	70	\$1,065,107	146	\$6,799,373	41	\$385,119	153	\$12,723,402	160	\$20,973,001
2000	0	\$0	0	\$0	89	\$1,537,788	138	\$4,326,328	13	\$77,309	151	\$12,780,557	156	\$18,721,981
2001	0	\$0	0	\$0	66	\$454,042	65	\$220,380	18	\$69,372	127	\$4,304,470	137	\$5,048,263
2002	0	\$0	0	\$0	46	\$409,739	78	\$802,368	8	\$93,920	97	\$4,339,433	112	\$5,645,460
2003	0	\$0	0	\$0	42	\$379,060	73	\$815,090	5	\$45,224	102	\$5,397,837	109	\$6,637,211
2004	0	\$0	0	\$0	confidential	confidential	89	\$1,100,565	1 to 3	confidential	111	\$8,581,000	117	\$10,151,219
2005	0	\$0	0	\$0	74	\$392,962	89	\$763,899	21	\$310,375	119	\$13,403,513	120	\$14,870,750
2006	0	\$0	0	\$0	25	\$118,406	84	\$996,709	6	\$11,866	126	\$9,861,068	127	\$10,988,049
2007	0	\$0	0	\$0	69	\$725,491	85	\$1,997,011	6	\$73,580	124	\$15,532,394	125	\$18,328,476
2008	0	\$0	0	\$0	79	\$788,104	106	\$3,455,355	4	\$35,232	128	\$9,961,051	130	\$14,239,743
2009	0	\$0	0	\$0	confidential	confidential	104	\$1,379,761	1 to 3	confidential	139	\$12,830,164	141	\$14,941,837
2010	0	\$0	0	\$0	111	\$1,099,396	92	\$711,091	15	\$69,108	141	\$12,679,661	142	\$14,559,255
2011	1 to 3	confidential	0	\$0	90	\$1,242,962	110	\$3,898,022	confidential	confidential	141	\$7,002,668	144	\$12,516,771
2012	0	\$0	0	\$0	92	\$973,269	120	\$5,521,706	36	\$216,711	127	\$5,367,940	133	\$12,079,625
2013	0	\$0	1 to 3	confidential	95	\$1,615,573	118	\$7,820,738	confidential	confidential	119	\$5,769,553	133	\$15,265,773
2014	0	\$0	0	\$0	85	\$1,081,442	115	\$1,977,918	7	\$43,791	133	\$14,541,562	137	\$17,644,712
2015	0	\$0	0	\$0	confidential	confidential	94	\$527,194	1 to 3	confidential	137	\$10,933,061	140	\$12,026,832
2016	0	\$0	0	\$0	105	\$1,193,428	70	\$880,759	16	\$53,204	131	\$18,407,233	135	\$20,534,624
2017	0	\$0	0	\$0	90	\$1,657,497	92	\$2,241,660	12	\$59,658	137	\$23,055,801	140	\$27,014,615

- Adjusted for inflation to 2017 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits are used to record landings in more than one district.
- 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 permits was issued as a transferable permit.

Table 4-1. Initial Issuance and Year-end 2017 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		2017 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%	10	10.2%	-31	-31.6%	-2	-2.0%	75	67.6%
Nonlocal	9	7.8%	-9	-100.0%	21	233.3%	-2	-22.2%	19	17.1%
Nonresident	9	7.8%	-1	-11.1%	10	111.1%	-1	-11.1%	17	15.3%
Total	116	100.0%	0	0.0%	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 have had the largest impact on the changes.

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.⁹ 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, 1980-2017

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
<i>Gift</i>	205	46.3%	528	41.3%	6,861	56.4%	13,825	36.5%
<i>Sale</i>	210	47.4%	662	51.8%	4,743	39.0%	22,262	58.8%
<i>Trade</i>	9	2.0%	30	2.3%	97	0.8%	520	1.4%
<i>Other</i>	19	4.3%	59	4.6%	467	3.8%	1,225	3.2%
Total	443		1,279		12,168		37,832	

Table 4-2 compares and contrasts the transfer acquisition methods for the S04M permits, combined Alaska Peninsula salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2017. Almost half of all S04M transfers were gifts (46.3% or 205/443), just under half were sales (47.4% or 210/443), and a smaller percentage were trades (2.0% or 9/443) or other (4.3% 19/443). The annual acquisition methods for S04M permits can be viewed in a different publication.¹⁰

Table 4-3. Relationships of Transferor to Transfer Recipients for Alaska Peninsula Salmon Set Gillnet Permits, 1980-2017

Relationship	Alaska Peninsula Salmon Set Gillnet		Combined Alaska Peninsula		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	89	20.1%	234	18.3%	2,329	19.1%	6,992	18.5%
<i>Member of Immediate Family</i>	188	42.4%	503	39.3%	5,906	48.5%	12,802	33.8%
<i>Other Relative</i>	33	7.4%	76	5.9%	869	7.1%	1,743	4.6%
<i>Other</i>	133	30.0%	466	36.4%	3,064	25.2%	16,295	43.1%
Total	443		1,279		12,168		37,832	

Table 4-3 shows the relationships between the transferors and transfer recipients for S04M permits, and compares S04M permit transfers with the combined Alaska Peninsula salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2017. Transfers within the family, both between immediate family members and other relatives, total 49.9% (221/443) of all permit transfers for S04M permits compared to 45.3% (579/1,279) combined Alaska Peninsula salmon permit types, 55.7% (6,775/12,168) for all salmon set gillnet permits statewide, and 38.4% (14,545/37,832) for all limited entry permits statewide.

⁹ CFEC implemented the transfer survey in 1980.

¹⁰ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2017*, CFEC Report No. 18-2N.

Emergency Transfers of S04M Permits

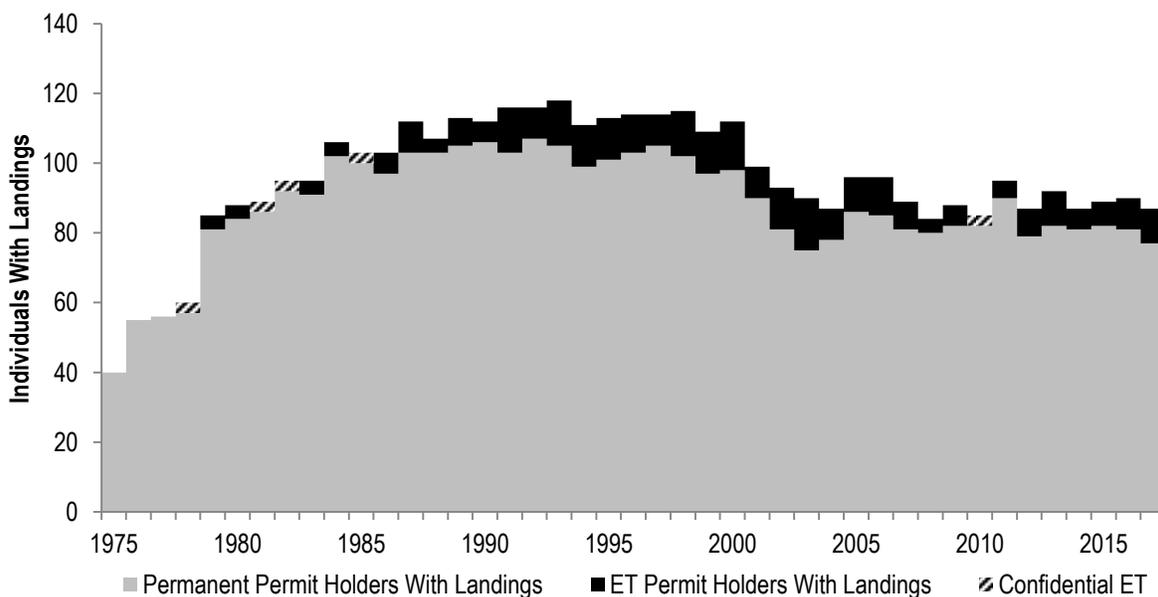
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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 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 Set Gillnet Fishery, 1975-2017

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

Figure 4-1. Use of Emergency Transfer Permits in the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2017



DNR Shore Fishery Leases in the Alaska Peninsula Set Gillnet Fishery

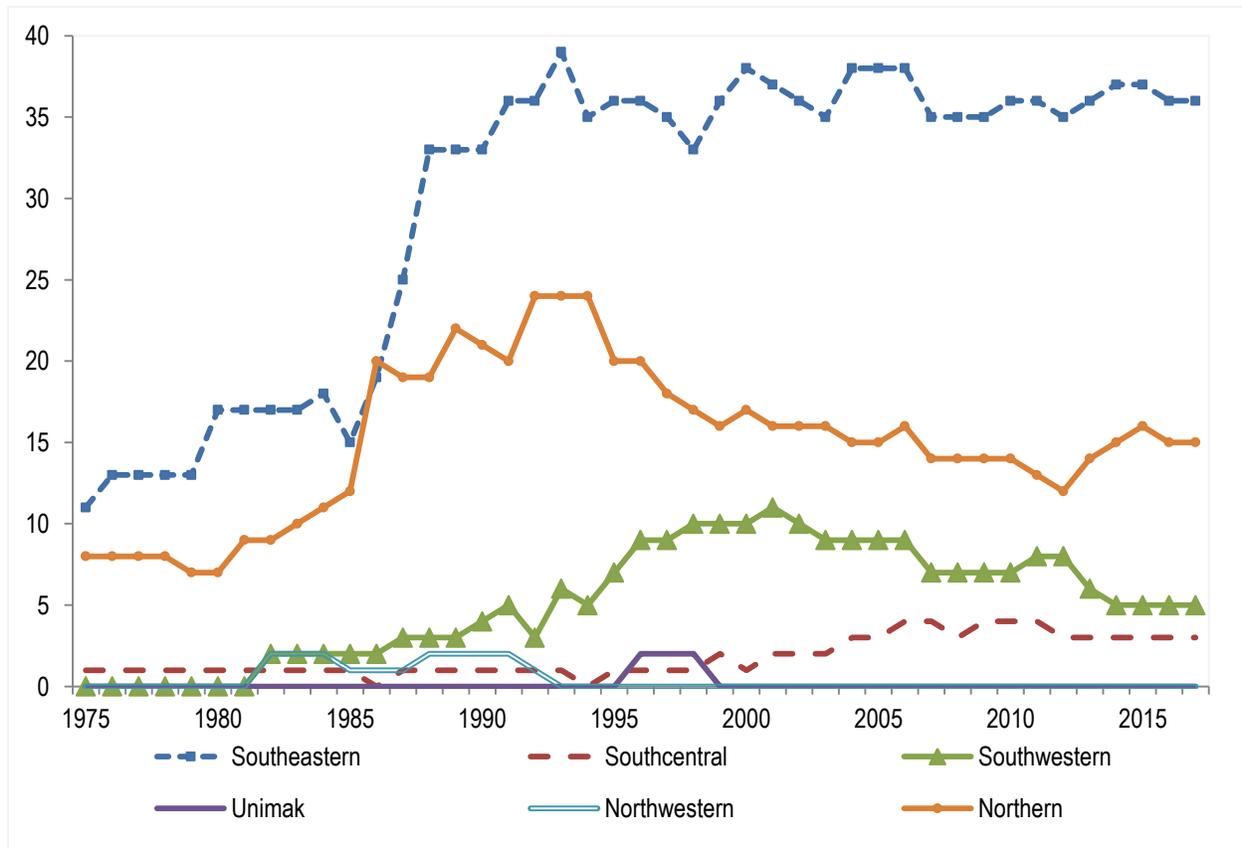
The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by CFEC set gillnet permit holders in Alaska Peninsula. A shore fishery lease grants permit holders the first right of priority to fish a tract of tidelands. Many 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.¹¹ 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 18-4N.¹²

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.

Please see Appendix A for Alaska Peninsula DNR shore fishery lease site maps as of January 18, 2019.

Figure 4-2. Count of Permits With DNR Shore Fishery Leases by District in Alaska Peninsula, 1975-2017



¹¹ See 11 AAC 24.0331(b)(1)(D).

¹² See *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2017*. CFEC Report No. 18-4N.

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

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

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 (don't 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,¹³ 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, unless they refrain for no more than one year from using the site.¹⁴ 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 does not explain any of these reasons, but simply estimates the rate of permit latency.

Table 4-6. Alaska Peninsula Salmon Set Gillnet Permit Latency, 1975-2017

Year	Total Fishery Permits	Permits With Landings	Latency Rate	Permit Landings and/or DNR Lease	Latency Rate
1975	106	40	62.3%	48	54.7%
1976	114	53	53.5%	56	50.9%
1977	108	56	48.1%	60	44.4%
1978	113	60	46.9%	65	42.5%
1979	113	80	29.2%	81	28.3%
1980	114	86	24.6%	89	21.9%
1981	115	88	23.5%	90	21.7%
1982	115	92	20.0%	96	16.5%
1983	114	94	17.5%	97	14.9%
1984	113	103	8.8%	104	8.0%
1985	114	102	10.5%	103	9.6%
1986	114	100	12.3%	100	12.3%
1987	114	108	5.3%	109	4.4%
1988	114	106	7.0%	110	3.5%
1989	114	111	2.6%	112	1.8%
1990	114	110	3.5%	111	2.6%
1991	114	110	3.5%	110	3.5%
1992	114	111	2.6%	112	1.8%
1993	114	113	0.9%	114	0.0%
1994	114	108	5.3%	110	3.5%
1995	114	109	4.4%	111	2.6%
1996	114	109	4.4%	111	2.6%
1997	114	111	2.6%	111	2.6%
1998	113	112	0.9%	112	0.9%
1999	113	107	5.3%	107	5.3%
2000	113	109	3.5%	110	2.7%
2001	113	98	13.3%	105	7.1%
2002	113	90	20.4%	98	13.3%
2003	113	86	23.9%	92	18.6%
2004	113	86	23.9%	92	18.6%
2005	113	92	18.6%	99	12.4%
2006	114	94	17.5%	99	13.2%
2007	114	88	22.8%	93	18.4%
2008	113	83	26.5%	98	13.3%
2009	113	88	22.1%	95	15.9%
2010	113	84	25.7%	96	15.0%
2011	113	93	17.7%	100	11.5%
2012	113	87	23.0%	99	12.4%
2013	113	90	20.4%	97	14.2%
2014	113	86	23.9%	95	15.9%
2015	112	89	20.5%	96	14.3%
2016	111	87	21.6%	93	16.2%
2017	111	87	21.6%	96	13.5%

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

¹³ See AS 16.05.680 (b) and AS 16.05.690 (b).

¹⁴ 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.

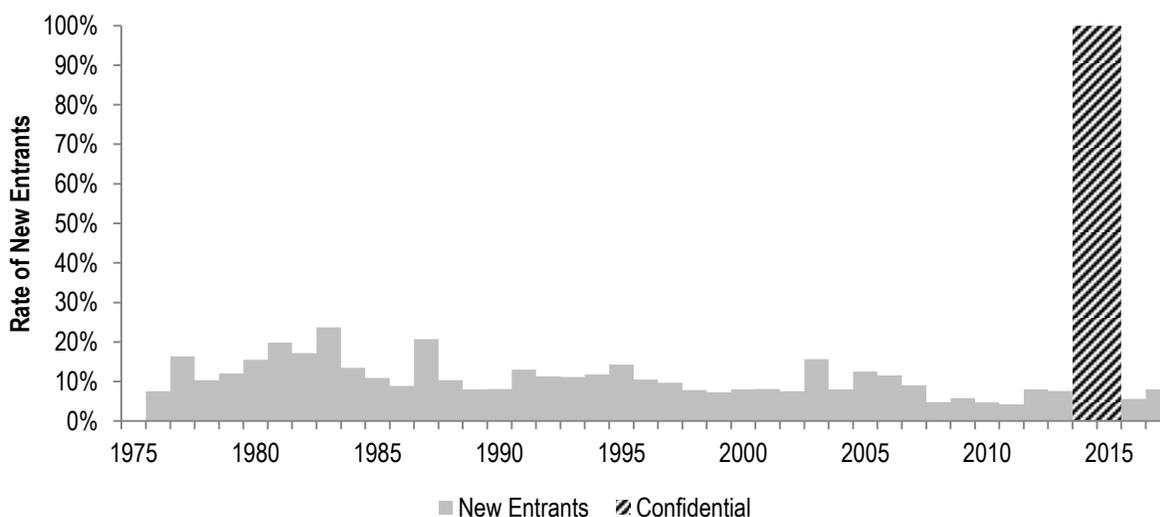
Table 4-7 and Figure 4-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S04M permit one year, and then in subsequent years hold a different S04M permit. Likewise, individuals may enter and exit 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, 1975-2017

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%	1986	101	9	8.9%	1997	113	11	9.7%	2008	84	4	4.8%
1976	53	4	7.5%	1987	111	23	20.7%	1998	115	9	7.8%	2009	88	5	5.7%
1977	55	9	16.4%	1988	107	11	10.3%	1999	109	8	7.3%	2010	85	4	4.7%
1978	58	6	10.3%	1989	112	9	8.0%	2000	112	9	8.0%	2011	95	4	4.2%
1979	83	10	12.0%	1990	111	9	8.1%	2001	99	8	8.1%	2012	87	7	8.0%
1980	84	13	15.5%	1991	115	15	13.0%	2002	93	7	7.5%	2013	92	7	7.6%
1981	86	17	19.8%	1992	115	13	11.3%	2003	90	14	15.6%	2014	87	1 to 3	-
1982	93	16	17.2%	1993	117	13	11.1%	2004	87	7	8.0%	2015	89	1 to 3	-
1983	93	22	23.7%	1994	110	13	11.8%	2005	96	12	12.5%	2016	90	5	5.6%
1984	104	14	13.5%	1995	112	16	14.3%	2006	96	11	11.5%	2017	87	7	8.0%
1985	101	11	10.9%	1996	114	12	10.5%	2007	89	8	9.0%				

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

Figure 4-3. New Entrants into the Alaska Peninsula Salmon Set Gillnet Fishery, 1975-2017



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	40.1	37.9	38.9	33.4
1981	39.6	40.0	38.0	39.9	33.5
1982	39.7	39.8	38.2	40.0	33.6
1983	39.2	39.8	38.0	40.2	33.7
1984	38.6	40.2	38.2	40.4	33.8
1985	38.0	40.6	38.5	40.8	34.0
1986	39.1	40.8	38.8	41.0	34.2
1987	37.7	41.2	39.0	40.9	34.5
1988	39.0	41.4	39.3	41.2	34.9
1989	39.6	42.0	39.9	41.5	35.3
1990	39.7	42.5	40.0	42.0	35.5
1991	40.0	42.9	40.5	42.5	35.9
1992	40.6	43.2	40.8	42.9	36.2
1993	41.7	43.7	41.2	43.5	36.5
1994	43.0	44.1	41.5	44.0	36.7
1995	43.6	44.4	41.9	44.4	37.0
1996	43.8	44.6	42.3	44.8	37.2
1997	43.5	45.0	42.6	45.1	37.4
1998	44.6	45.3	43.1	45.6	37.6
1999	45.2	45.7	43.4	46.0	37.8
2000	45.5	46.0	43.7	46.4	37.9
2001	45.8	46.3	44.1	46.9	38.1
2002	47.0	47.0	44.8	47.4	38.3
2003	47.1	47.2	45.2	47.9	38.4
2004	47.6	47.2	45.4	48.2	38.6
2005	47.1	46.7	45.4	48.4	38.7
2006	46.9	46.6	45.6	48.7	38.8
2007	47.2	46.3	45.9	48.9	38.9
2008	47.1	46.4	45.9	49.0	39.0
2009	47.9	46.4	46.1	49.3	39.1
2010	48.5	46.3	46.3	49.5	39.2
2011	49.0	46.6	46.6	49.6	39.4
2012	48.9	46.7	47.0	49.8	39.4
2013	48.8	46.4	47.0	50.0	39.5
2014	48.2	46.5	47.2	50.2	39.5
2015	49.0	46.8	47.6	50.6	39.5
2016	49.5	47.2	48.0	50.9	39.6
2017	50.2	47.3	48.2	51.3	39.6

- Mean AK Worker 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 4-8 shows the annual mean age of five different cohorts of people: 1) Alaska Peninsula salmon set gillnet (S04M) permit holders; 2) combined Alaska Peninsula salmon permit holders; 3) all salmon set gillnet permit holders statewide; 4) all CFEC limited entry permit holders; and 5) the Alaskan worker 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 worker age population has increased 6.1 years between 1980 and 2017, which represents an 18.4% increase. The percent change in ages over the same period for all CFEC permit holders was 31.7% (12.4 years), 27.4% (10.4 years) for the statewide set gillnet permit holders, and 18.1% (7.3 years) for the combined Alaska Peninsula salmon permit holders.

For S04M permit holders, the mean age increased 21.8% (9.0 years).

S04M Permit Value

Many permit transfers are non-monetary transactions (see Table 4-2). Table 4-9 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		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1983	11	\$55,420	-	\$136,391	-
1984	9	\$50,374	-	\$118,842	-
1985	7	\$50,313	-	\$114,616	-
1986	7	\$56,357	-	\$126,042	-
1987	9	\$62,063	-	\$133,916	-
1988	3	\$85,542	-	\$177,245	-
1989	1	\$79,156	-	\$156,474	-
1990	3	\$121,667	-	\$228,179	-
1991	3	\$130,000	\$30,150	\$233,962	\$54,261
1992	7	\$101,400	\$14,350	\$177,157	\$25,071
1993	9	\$129,400	\$24,300	\$219,505	\$41,221
1994	3	\$107,900	\$26,750	\$178,465	\$44,244
1995	10	\$109,300	\$12,150	\$175,798	\$19,542
1996	2	\$106,300	\$7,500	\$166,069	\$11,717
1997	9	\$97,200	\$14,600	\$148,447	\$22,298
1998	4	\$78,800	\$8,550	\$118,500	\$12,858
1999	2	\$86,300	\$16,000	\$126,974	\$23,541
2000	4	\$88,900	\$4,100	\$126,546	\$5,836
2001	2	\$73,300	\$22,800	\$101,453	\$31,557
2002	4	\$62,600	\$27,500	\$85,295	\$37,470
2003	4	\$50,500	\$15,400	\$67,275	\$20,515
2004	3	\$38,100	\$8,100	\$49,439	\$10,511
2005	8	\$50,500	\$8,550	\$63,382	\$10,731
2006	5	\$56,800	\$4,500	\$69,062	\$5,471
2007	2	\$57,400	\$6,150	\$67,858	\$7,271
2008	4	\$51,300	\$7,500	\$58,404	\$8,539
2009	1	\$51,300	\$7,500	\$58,613	\$8,569
2010	6	\$49,600	\$5,550	\$55,756	\$6,239
2011	5	\$54,000	\$4,200	\$58,845	\$4,577
2012	2	\$55,000	\$0	\$58,719	\$0
2013	3	\$55,600	\$3,150	\$58,503	\$3,314
2014	0	\$55,600	\$3,150	\$57,569	\$3,262
2015	2	\$55,600	\$3,150	\$57,501	\$3,258
2016	2	\$56,500	\$2,400	\$57,704	\$2,451
2017	4	\$56,800	\$1,550	\$56,800	\$1,550

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2017 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Participation and Earnings

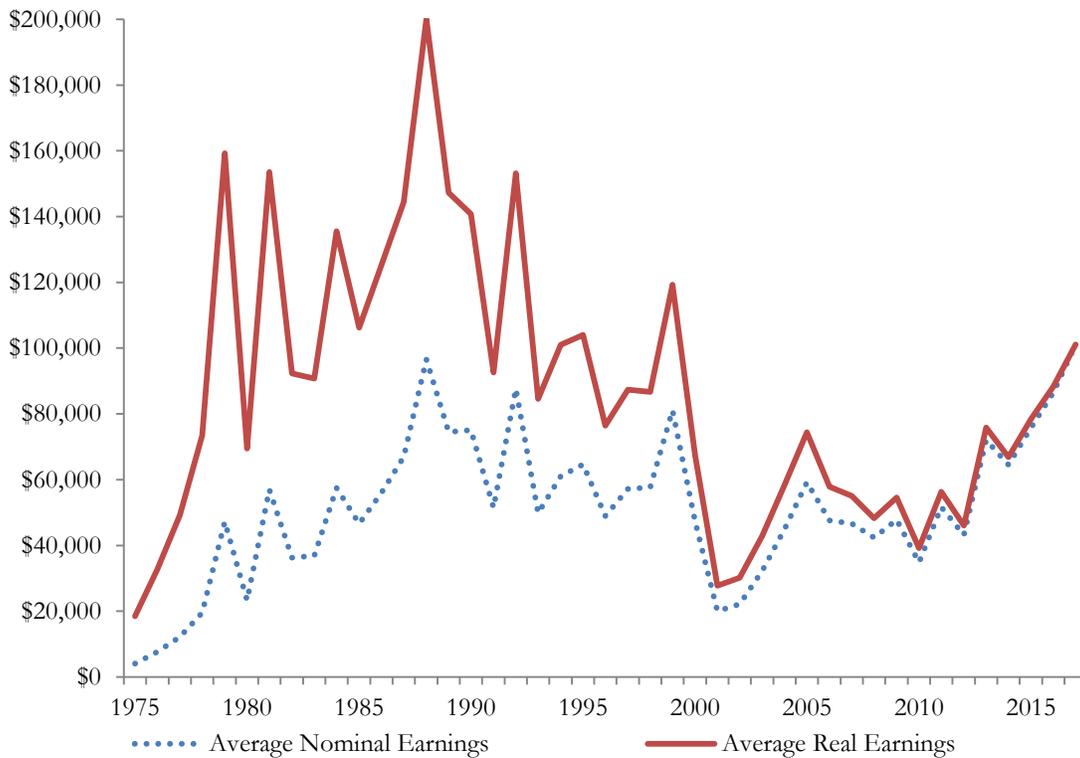
Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, come primarily from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 4-4 reflect both nominal and real dollars using the 2017 Consumer Price Index from the U.S. Bureau of 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, permit issued, and vessels with landings, and estimated gross earnings in the Alaska Peninsula salmon set gillnet fishery from 1975 to 2017. 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 2017 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 4-10. Estimated Total Gross Earnings (Real and Nominal) for the Alaska Peninsula Salmon Set Gillnet Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2017

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings
		Nominal	Real		
1975	106	\$161,999	\$738,090	40	\$18,452
1976	114	\$402,633	\$1,734,508	53	\$32,727
1977	108	\$681,939	\$2,758,364	56	\$49,256
1978	113	\$1,172,437	\$4,407,788	60	\$73,463
1979	113	\$3,774,069	\$12,742,423	80	\$159,280
1980	114	\$2,007,417	\$5,971,579	86	\$69,437
1981	115	\$5,011,217	\$13,513,196	88	\$153,559
1982	115	\$3,341,823	\$8,488,577	92	\$92,267
1983	114	\$3,464,938	\$8,527,366	94	\$90,717
1984	113	\$5,918,493	\$13,962,859	103	\$135,562
1985	114	\$4,754,871	\$10,831,915	102	\$106,195
1986	114	\$5,602,877	\$12,530,814	100	\$125,308
1987	114	\$7,228,633	\$15,597,557	108	\$144,422
1988	114	\$10,237,756	\$21,212,838	106	\$200,121
1989	114	\$8,270,160	\$16,348,240	111	\$147,281
1990	114	\$8,256,037	\$15,483,702	110	\$140,761
1991	114	\$5,657,561	\$10,181,948	110	\$92,563
1992	114	\$9,728,766	\$16,997,256	111	\$153,128
1993	114	\$5,632,529	\$9,554,641	113	\$84,554
1994	114	\$6,595,484	\$10,908,806	108	\$101,007
1995	114	\$7,048,492	\$11,336,787	109	\$104,007
1996	114	\$5,332,019	\$8,330,047	109	\$76,422
1997	114	\$6,347,383	\$9,693,897	111	\$87,332
1998	113	\$6,457,583	\$9,710,936	112	\$86,705
1999	113	\$8,675,911	\$12,764,942	107	\$119,299
2000	113	\$5,160,633	\$7,345,960	109	\$67,394
2001	113	\$1,962,668	\$2,716,483	98	\$27,719
2002	113	\$1,994,200	\$2,717,167	90	\$30,191
2003	113	\$2,775,089	\$3,696,901	86	\$42,987
2004	113	\$3,872,710	\$5,025,297	86	\$58,434
2005	113	\$5,450,949	\$6,841,457	92	\$74,364
2006	114	\$4,475,089	\$5,441,140	94	\$57,884
2007	114	\$4,100,182	\$4,847,241	88	\$55,082
2008	113	\$3,518,911	\$4,006,240	83	\$48,268
2009	113	\$4,202,288	\$4,801,338	88	\$54,561
2010	113	\$2,924,358	\$3,287,314	84	\$39,135
2011	113	\$4,801,415	\$5,232,187	93	\$56,260
2012	113	\$3,755,655	\$4,009,627	87	\$46,088
2013	113	\$6,490,025	\$6,828,878	90	\$75,876
2014	113	\$5,551,202	\$5,747,798	86	\$66,835
2015	112	\$6,749,979	\$6,980,744	89	\$78,435
2016	111	\$7,524,497	\$7,684,795	87	\$88,331
2017	111	\$8,796,484	\$8,796,484	87	\$101,109

- Adjusted for inflation to 2017 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 4-11. Estimated Real Gross Earnings for Permit Holders in the Alaska Peninsula Salmon Set Gillnet Fishery by Resident Type, 1975-2017

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	35	\$17,869	\$625,407	1 - 3	confidential	confidential	1 - 3	confidential	confidential	40	\$18,452	\$738,090
1976	49	\$30,285	\$1,483,970	1 - 3	confidential	confidential	confidential	confidential	confidential	55	\$31,537	\$1,734,508
1977	49	\$41,416	\$2,029,388	1 - 3	confidential	confidential	confidential	confidential	confidential	56	\$49,256	\$2,758,364
1978	52	\$54,721	\$2,845,513	confidential	confidential	confidential	1 - 3	confidential	confidential	60	\$73,463	\$4,407,788
1979	72	\$131,190	\$9,445,687	7	\$332,434	\$2,327,037	6	\$161,616	\$969,698	85	\$149,911	\$12,742,423
1980	68	\$56,103	\$3,815,008	13	\$118,641	\$1,542,334	7	\$87,748	\$614,237	88	\$67,859	\$5,971,579
1981	70	\$133,256	\$9,327,918	13	\$230,476	\$2,996,183	6	\$198,182	\$1,189,095	89	\$151,834	\$13,513,196
1982	71	\$68,864	\$4,889,355	16	\$143,200	\$2,291,203	8	\$163,502	\$1,308,019	95	\$89,353	\$8,488,577
1983	70	\$92,051	\$6,443,558	14	\$54,590	\$764,267	11	\$119,958	\$1,319,542	95	\$89,762	\$8,527,366
1984	81	\$131,304	\$10,635,648	14	\$110,872	\$1,552,213	11	\$161,364	\$1,774,999	106	\$131,725	\$13,962,859
1985	69	\$94,955	\$6,551,874	19	\$103,728	\$1,970,832	15	\$153,947	\$2,309,209	103	\$105,164	\$10,831,915
1986	67	\$126,477	\$8,473,987	17	\$104,540	\$1,777,173	19	\$119,982	\$2,279,654	103	\$121,658	\$12,530,814
1987	72	\$142,169	\$10,236,156	18	\$126,167	\$2,271,014	22	\$140,472	\$3,090,387	112	\$139,264	\$15,597,557
1988	72	\$193,572	\$13,937,213	16	\$179,670	\$2,874,727	19	\$231,626	\$4,400,898	107	\$198,251	\$21,212,838
1989	75	\$142,829	\$10,712,178	17	\$132,319	\$2,249,419	21	\$161,269	\$3,386,642	113	\$144,675	\$16,348,240
1990	76	\$134,301	\$10,206,855	16	\$127,289	\$2,036,616	20	\$162,012	\$3,240,231	112	\$138,247	\$15,483,702
1991	79	\$82,781	\$6,539,717	15	\$104,930	\$1,573,943	22	\$94,013	\$2,068,288	116	\$87,775	\$10,181,948
1992	79	\$135,240	\$10,683,991	13	\$211,046	\$2,743,600	24	\$148,736	\$3,569,665	116	\$146,528	\$16,997,256
1993	83	\$78,231	\$6,493,203	15	\$79,070	\$1,186,054	20	\$93,769	\$1,875,384	118	\$80,972	\$9,554,641
1994	77	\$93,493	\$7,198,977	13	\$128,813	\$1,674,564	21	\$96,917	\$2,035,265	111	\$98,278	\$10,908,806
1995	79	\$98,340	\$7,768,826	11	\$125,222	\$1,377,440	23	\$95,240	\$2,190,522	113	\$100,326	\$11,336,787
1996	81	\$65,845	\$5,333,464	10	\$85,992	\$859,919	23	\$92,898	\$2,136,665	114	\$73,071	\$8,330,047
1997	79	\$80,922	\$6,392,816	9	\$91,109	\$819,977	26	\$95,427	\$2,481,103	114	\$85,034	\$9,693,897
1998	76	\$87,978	\$6,686,346	15	\$81,723	\$1,225,849	24	\$74,948	\$1,798,741	115	\$84,443	\$9,710,936
1999	71	\$119,074	\$8,454,241	19	\$112,010	\$2,128,189	19	\$114,869	\$2,182,512	109	\$117,110	\$12,764,942
2000	70	\$66,446	\$4,651,230	18	\$68,809	\$1,238,556	24	\$60,674	\$1,456,174	112	\$65,589	\$7,345,960
2001	66	\$27,926	\$1,843,131	15	\$22,791	\$341,862	18	\$29,527	\$531,490	99	\$27,439	\$2,716,483
2002	65	\$29,596	\$1,923,730	16	\$25,557	\$408,911	12	\$32,044	\$384,526	93	\$29,217	\$2,717,167
2003	60	\$43,118	\$2,587,089	17	\$34,321	\$583,452	13	\$40,489	\$526,360	90	\$41,077	\$3,696,901
2004	62	\$55,533	\$3,443,051	11	\$56,184	\$618,029	14	\$68,873	\$964,217	87	\$57,762	\$5,025,297
2005	64	\$77,815	\$4,980,191	16	\$60,584	\$969,347	16	\$55,745	\$891,919	96	\$71,265	\$6,841,457
2006	65	\$62,121	\$4,037,861	19	\$41,652	\$791,379	12	\$50,992	\$611,900	96	\$56,679	\$5,441,140
2007	67	\$54,840	\$3,674,287	11	\$45,174	\$496,909	11	\$61,459	\$676,045	89	\$54,463	\$4,847,241
2008	64	\$48,879	\$3,128,242	10	\$54,344	\$543,442	10	\$33,456	\$334,556	84	\$47,693	\$4,006,240
2009	64	\$56,244	\$3,599,624	12	\$65,928	\$791,139	12	\$34,215	\$410,576	88	\$54,561	\$4,801,338
2010	66	\$39,527	\$2,608,778	9	\$50,375	\$453,376	10	\$22,516	\$225,160	85	\$38,674	\$3,287,314
2011	72	\$59,959	\$4,317,024	12	\$51,310	\$615,716	11	\$27,222	\$299,447	95	\$55,076	\$5,232,187
2012	68	\$47,425	\$3,224,874	9	\$44,288	\$398,592	10	\$38,616	\$386,161	87	\$46,088	\$4,009,627
2013	71	\$74,055	\$5,257,908	9	\$104,598	\$941,382	12	\$52,466	\$629,589	92	\$74,227	\$6,828,878
2014	66	\$67,707	\$4,468,632	11	\$65,692	\$722,617	10	\$55,655	\$556,549	87	\$66,067	\$5,747,798
2015	66	\$81,384	\$5,371,358	11	\$94,875	\$1,043,625	12	\$47,147	\$565,760	89	\$78,435	\$6,980,744
2016	70	\$84,942	\$5,945,933	9	\$83,533	\$751,800	11	\$89,733	\$987,063	90	\$85,387	\$7,684,795
2017	65	\$98,830	\$6,423,944	10	\$110,330	\$1,103,303	12	\$105,770	\$1,269,238	87	\$101,109	\$8,796,484

- Adjusted for inflation to 2017 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Note that these counts are for individuals, not permits.
- Data is masked for confidentiality when fewer than four individuals are included in the count.

Table 4-12. Gross Real Earnings for the Alaska Peninsula Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975 to 2017

Year	Southeastern		Southcentral		Southwestern		Unimak		Northwestern		Northern		Total Permits	Total Earnings
	Permits	Real Value	Permits	Real Value										
1975	11	\$54,647	1 - 3	confidential	1 - 3	confidential	0	\$0	0	\$0	28	\$676,253	40	\$738,090
1976	18	\$666,216	confidential	confidential	1 - 3	confidential	0	\$0	0	\$0	29	\$915,639	53	\$1,734,508
1977	20	\$755,607	14	\$387,008	1 - 3	confidential	0	\$0	1 - 3	confidential	30	\$1,597,276	56	\$2,758,364
1978	23	\$1,093,254	17	\$251,576	confidential	confidential	0	\$0	1 to 3	confidential	31	\$3,009,856	60	\$4,407,788
1979	32	\$3,417,697	24	\$1,090,514	5	\$29,592	0	\$0	4	\$284,142	39	\$7,920,477	80	\$12,742,423
1980	31	\$1,826,145	28	\$1,077,273	confidential	confidential	0	\$0	1 to 3	confidential	42	\$2,878,452	86	\$5,971,579
1981	38	\$4,476,022	30	\$2,114,545	confidential	confidential	0	\$0	1 to 3	confidential	36	\$6,224,591	88	\$13,513,196
1982	40	\$2,255,755	32	\$1,143,813	confidential	confidential	0	\$0	1 to 3	confidential	40	\$4,698,700	92	\$8,488,577
1983	44	\$3,392,135	35	\$1,955,916	12	\$245,754	0	\$0	4	\$55,067	39	\$2,878,494	94	\$8,527,366
1984	52	\$6,914,556	44	\$3,844,428	6	\$478,583	0	\$0	5	\$7,026	38	\$2,718,267	103	\$13,962,859
1985	53	\$2,405,858	33	\$1,016,948	10	\$496,514	0	\$0	9	\$93,760	40	\$6,818,835	102	\$10,831,915
1986	47	\$6,106,201	33	\$1,623,046	10	\$528,785	0	\$0	9	\$214,467	44	\$4,058,315	100	\$12,530,814
1987	58	\$8,814,949	40	\$2,668,843	12	\$556,841	0	\$0	7	\$267,308	40	\$3,289,616	108	\$15,597,557
1988	57	\$10,968,330	36	\$2,262,529	11	\$1,035,860	0	\$0	8	\$541,519	39	\$6,404,600	106	\$21,212,838
1989	62	\$7,821,909	38	\$1,701,284	27	\$954,755	0	\$0	10	\$327,158	38	\$5,543,133	111	\$16,348,240
1990	64	\$6,288,011	48	\$2,402,030	19	\$592,618	0	\$0	8	\$378,954	38	\$5,822,089	110	\$15,483,702
1991	66	\$6,505,356	6	\$32,117	15	\$912,044	5	\$26,488	6	\$203,414	36	\$2,502,528	110	\$10,181,948
1992	63	\$8,524,580	9	\$111,506	29	\$2,533,326	4	\$136,623	8	\$295,070	46	\$5,396,152	111	\$16,997,256
1993	66	\$4,260,436	6	\$20,856	23	\$914,094	12	\$128,476	9	\$213,153	43	\$4,017,626	113	\$9,554,641
1994	62	\$6,507,367	9	\$199,504	26	\$1,320,496	7	\$80,886	6	\$111,850	40	\$2,688,702	108	\$10,908,806
1995	62	\$6,607,085	24	\$265,170	22	\$1,233,388	confidential	confidential	1 to 3	confidential	35	\$3,114,647	109	\$11,336,787
1996	69	\$5,015,155	14	\$127,642	18	\$377,170	confidential	confidential	1 to 3	confidential	37	\$2,733,977	109	\$8,330,047
1997	63	\$5,231,337	15	\$149,769	30	\$1,200,509	1 to 3	confidential	confidential	confidential	35	\$2,945,357	111	\$9,693,897
1998	69	\$6,508,728	17	\$325,889	27	\$1,387,614	1 to 3	confidential	confidential	confidential	30	\$1,375,438	112	\$9,710,936
1999	71	\$8,650,111	30	\$674,453	24	\$1,288,524	6	\$25,526	5	\$130,304	30	\$1,996,023	107	\$12,764,942
2000	70	\$4,818,086	21	\$225,928	30	\$937,784	5	\$26,364	6	\$143,070	30	\$1,194,728	109	\$7,345,960
2001	63	\$1,939,573	1 - 3	confidential	15	\$230,120	0	\$0	1 - 3	confidential	25	\$532,804	98	\$2,716,483
2002	54	\$1,500,404	1 - 3	confidential	19	\$391,449	1 - 3	confidential	1 - 3	confidential	24	\$810,871	90	\$2,717,167
2003	52	\$2,190,587	1 - 3	confidential	15	\$443,883	1 - 3	confidential	1 - 3	confidential	26	\$1,028,183	86	\$3,696,901
2004	51	\$2,825,929	confidential	confidential	15	\$597,345	1 to 3	confidential	0	\$0	26	\$1,462,845	86	\$5,025,297
2005	55	\$4,123,570	confidential	confidential	16	\$841,395	0	\$0	1 to 3	confidential	26	\$1,201,047	92	\$6,841,457
2006	56	\$2,922,466	26	\$876,870	18	\$746,623	1 to 3	confidential	1 to 3	confidential	23	\$884,650	94	\$5,441,140
2007	57	\$2,526,150	25	\$463,781	19	\$624,036	1 to 3	confidential	1 to 3	confidential	24	\$1,231,561	88	\$4,847,241
2008	49	\$2,533,242	confidential	confidential	19	\$690,094	1 to 3	confidential	0	\$0	23	\$729,769	83	\$4,006,240
2009	52	\$3,029,716	17	\$306,890	confidential	confidential	1 to 3	confidential	0	\$0	24	\$813,211	88	\$4,801,338
2010	53	\$2,302,289	11	\$76,532	14	\$363,377	1 to 3	confidential	1 to 3	confidential	21	\$526,502	84	\$3,287,314
2011	56	\$4,117,394	8	\$104,034	15	\$505,098	1 to 3	confidential	1 to 3	confidential	24	\$456,824	93	\$5,232,187
2012	57	\$2,823,906	confidential	confidential	13	\$360,607	1 to 3	confidential	0	\$0	19	\$604,008	87	\$4,009,627
2013	52	\$4,684,331	11	\$96,120	17	\$729,223	9	\$84,945	0	\$0	24	\$1,234,260	90	\$6,828,878
2014	45	\$2,855,288	21	\$726,665	22	\$971,644	1 to 3	confidential	1 to 3	confidential	21	\$1,185,304	86	\$5,747,798
2015	53	\$4,412,358	22	\$988,508	17	\$665,440	0	\$0	0	\$0	22	\$914,437	89	\$6,980,744
2016	53	\$4,783,880	20	\$706,631	17	\$837,490	0	\$0	0	\$0	21	\$1,356,794	87	\$7,684,795
2017	55	\$4,589,640	23	\$979,264	22	\$1,481,709	4	\$20,570	0	\$0	19	\$1,725,302	87	\$8,796,484

- Adjusted for inflation to 2017 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits are used to record landings in more than one district.
- Data is masked for confidentiality when fewer than four individuals are included in the count.

Chapter 5 Permit Holdings in Multiple Fisheries.

Because of their established fishing history in multiple fisheries prior to limitation, some initial permit holders were issued permits in more than one fishery. Table 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

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

Table 5-2 shows the count of Alaska Peninsula salmon permit holders who fished in 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 other fisheries.

Table 5-3 depicts counts of Chignik salmon purse seine permit holders who fished in other fisheries as well.

Table 5-2. Fished Salmon Permits in Alaska Peninsula

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	2	18	1	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	52
1983	347	96	141	73	14	11	11	1	26
1984	359	101	141	80	11	11	15	0	25
1985	363	111	142	80	7	10	12	1	28
1986	363	104	150	79	6	10	12	2	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	3	11	8	1	49
1991	384	108	158	93	2	13	10	0	81
1992	381	110	154	95	2	10	10	0	85
1993	391	112	159	100	2	11	7	0	67
1994	380	110	158	91	2	9	10	0	93
1995	378	105	158	93	2	11	9	0	70
1996	374	94	166	96	1	8	9	0	79
1997	350	78	157	99	1	6	9	0	83
1998	338	64	157	94	2	13	8	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	2	14	5	0	66
2002	234	36	104	81	1	5	6	1	48
2003	233	41	100	79	1	3	8	1	55
2004	233	39	107	73	0	3	11	0	53
2005	248	40	113	79	0	5	11	0	62
2006	257	41	120	85	0	3	8	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	6	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	57
2014	258	43	128	71	0	6	9	1	55
2015	269	51	129	70	0	6	11	2	48
2016	260	44	126	75	0	5	10	0	44
2017	271	51	133	73	0	5	8	1	39

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%	3	3.5%	3	3.5%
1976	79	65	82.3%	5	6.3%	6	7.6%	3	3.8%
1977	90	67	74.4%	10	11.1%	10	11.1%	3	3.3%
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%	17	16.3%	3	2.9%
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%	28	26.9%	1	1.0%
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%	12	14.0%	2	2.3%
1999	90	46	51.1%	25	27.8%	13	14.4%	6	6.7%
2000	102	60	58.8%	26	25.5%	14	13.7%	2	2.0%
2001	96	62	64.6%	20	20.8%	10	10.4%	4	4.2%
2002	42	29	69.0%	10	23.8%	3	7.1%	0	0.0%
2003	44	26	59.1%	13	29.5%	5	11.4%	0	0.0%
2004	32	17	53.1%	12	37.5%	3	9.4%	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%	5	10.2%	2	4.1%
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%	14	24.1%	1	1.7%	0	0.0%
2010	69	55	79.7%	11	15.9%	2	2.9%	1	1.4%
2011	68	52	76.5%	11	16.2%	2	2.9%	3	4.4%
2012	69	48	69.6%	15	21.7%	4	5.8%	2	2.9%
2013	78	62	79.5%	12	15.4%	2	2.6%	2	2.6%
2014	70	55	78.6%	12	17.1%	3	4.3%	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%	2	2.9%	1	1.4%
2017	68	58	85.3%	8	11.8%	2	2.9%	0	0.0%

