

# CFEC Permit Holdings and Estimates of Gross Earnings in the Cook Inlet Commercial Salmon Fisheries, 1975-2018

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## **Abstract**

This report examines the economics of the Cook Inlet commercial salmon fisheries, which include purse seine (S01H permits), drift gillnet (S03H permits), and set gillnet (S04H permits). Included are summary statistics on the number of permit holdings, permanent and emergency transfers of permits, permit value, permit latency, new entrants, permit holder median age, estimated gross earnings, vessel characteristics for the purse seine and drift gillnet fisheries, dual and stacked permit operations in the drift gillnet fishery, and stacked permit operations in the set gillnet fishery. Some summary statistics are also broken out by resident type. A description of the computer files and methods used to generate the statistics are provided.

Prepared by Daniel Strong

## **Acknowledgements**

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## Introduction

In 1972, Alaskan voters amended the state constitution to allow limited entry in the state’s commercial fisheries. Following the amendment, in 1973 the Alaska State Legislature enacted the Limited Entry Act (AS 16.43), giving the Commercial Fisheries Entry Commission (CFEC) the authority to administer the program. Permit fisheries are defined by CFEC as a specific gear type for a fishery resource within a defined administrative area. The Cook Inlet salmon fisheries were part of an original group of 19 Alaska salmon fisheries that were limited after the Alaska legislature passed the limited entry act. Under the authority of AS 16.43.230, CFEC identified both the Cook Inlet drift and set net fisheries as “distressed fisheries” in the State’s limited entry regulations.<sup>1</sup> Salmon limited entry permits in all three Cook Inlet fisheries were first issued in 1975.

This report provides an overview of limited entry permit holdings and estimated gross earnings in the Cook Inlet commercial salmon fisheries. Commercial fishing in Cook Inlet has been documented as far back as 1893.<sup>2</sup> Historically, several gear types have been employed to catch salmon that include fish traps, gillnets, and seines. The three commercial salmon fisheries prosecuted today in Cook Inlet are: purse seine (S01H); drift gillnet (S03H); and set gillnet (S04H) fisheries. Participation in commercial salmon fishing in the Upper and Lower Cook Inlet management areas differ by gear group. In the Upper Cook Inlet management area, most of the commercial salmon fishing is prosecuted by both the set and drift gillnet fisheries. The use of purse seine gear is only employed by emergency order in the Chinitna Bay Subdistrict and was last used in 1982.<sup>3</sup> In the Lower Cook Inlet management area, most of the commercial salmon fishing is prosecuted by the purse seine fleet along with a few of the set gillnet permit holders. Information regarding season length, openings and closings, size, and other such data can be found in the Alaska Department of Fish and Game’s Area Management Reports.

This report focuses on the economics of these commercial fisheries. ADF&G fish tickets identify, among other things, the species harvested. Salmon species on fish tickets are well documented for each of these fisheries. Sockeye provides for most of the ex-vessel value in each of these fisheries except for pink salmon in the purse seine fishery. Note that variations do exist in the financial contribution for each of the five major salmon species commercially harvested in Cook Inlet from year to year and across each fishery. For each of the three gear groups, commercial harvest of species other than salmon were documented at rates less than 0.1% so they are not displayed in Table 0-1.

**Table 1-1. Percent of Total Ex-vessel Value of Cook Inlet by Species, 1975-2018**

Species	Cook Inlet Purse Seine	Cook Inlet Drift Gillnet	Cook Inlet Set Gillnet	All Combined
Chinook	0.1%	0.2%	3.9%	1.7%
sockeye	36.1%	84.5%	86.6%	82.2%
coho	1.5%	4.2%	5.9%	4.7%
pink	45.1%	1.4%	2.1%	4.5%
chum	17.2%	9.7%	1.5%	6.9%

<sup>1</sup> See 20 AAC 05.300.

<sup>2</sup> See Alaska’s Commercial Salmon Catches, 1878-1997, Byerly, et al., 1999, RIR No. 5J99-05.

<sup>3</sup> See Upper Cook Inlet Commercial Fisheries Annual Management Report, 2017, FMR No. 18-10.

## 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, please contact the CFEC research unit. Some counts will vary from previous research projects insofar as the data has been corrected and updated.

## 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 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 lists the communities that are currently designated as local to salmon commercial fisheries in the Census file for this report.

**Table 1-2. Communities Local to the Cook Inlet Salmon Fisheries, as Indicated in the CFEC Census File**

Alexander	Chugiak	Fritz Creek	Kasitsna Bay	Nikolaevsk	Salamatof
Alexander Creek	Clam Gulch	Funny River	Kenai	Ninilchik	Seldovia
Anchor Point	Cohoe	Gateway	Kern	Palmer	Seldovia Village
Anchorage	Cooper Landing	Girdwood	Knik	Peters Creek	Seward
Bear Cove	Crown Point	Grouse Creek Group	Knik River	Point Mackenzie	Soldotna
Bear Creek	Diamond Ridge	Halibut Cove	Knik-Fairview	Point Possession	Spenard
Beluga	Eagle River	Happy Valley	Kustatan	Port Graham	Sterling
Beluga River	Eklutna	Homer	Lakes	Portage	Sunrise
Big Lake	Elmendorf AFB	Hope	Lowell Point	Portlock	Susitna
Birchwood	English Bay	Indian	Miller Landing	Potter	Tyonek
Bird Creek	Fire Island	Jakolof Bay	Moose Pass	Primrose	Wasilla
Bodenburg Butte	Fire Lake	Kachemak	Nanwalek	Rainbow	
Butte	Fort Richardson	Kalifornsky	Nikishka	Red Mountain	
Chenik	Fox River	Kasilof	Nikiski	Ridgeway	

### 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 Cook Inlet 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

## **S03H Dual Permit File**

ADF&G provided a file with all permits used in dual permit operations from 2008 through 2018. This file includes dates when landings were made by permit combinations as well as referencing the actual landings. Data from the dual permit file was merged into the CFEC gross earnings file.

## **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, Cook Inlet, and Bristol Bay 1975-2017*.

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## Chapter 1 - Cook Inlet Salmon Purse Seine Fishery (S01H)

### S01H Permit Holdings

License limitation permits for the Cook Inlet salmon purse seine fishery (S01H permits) were issued starting in 1975. Table 3 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 85 S01H permits<sup>4</sup>. Of this total, Alaska Locals received 97.6% (83) of the permits, Nonlocal Alaskans and Nonresidents received one permit each (1.2%). Every permit issued was a transferable permit.

**Table 1-1. Initial Issuance and Year-end 2018 Totals of Cook Inlet Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type**

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	83	97.6%	2	2.4%	-6	-7.2%	-1	-1.2%	78	94.0%
Nonlocal	1	1.2%	2	200.0%	-3	-300.0%	0	0.0%	0	0.0%
Nonresident	1	1.2%	-4	-400.0%	9	900.0%	-1	-100.0%	5	6.0%
<b>Total</b>	<b>85</b>	<b>100.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>-2</b>	<b>-2.4%</b>	<b>83</b>	<b>100.0%</b>

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. Migrations have had the largest impact on the changes.

<sup>4</sup> Because the number of priority-classified applicants exceeded the maximum number of permits, the initial issuance is greater than the maximum number set in 20 AAC 05.320.

## Transfers of S01H 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.<sup>5</sup> 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 Cook Inlet Salmon Purse Seine Permits, 1980-2018**

Acquisition Method	S01H Permit		Cook Inlet Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	106	41.2%	2,116	42.7%	1,210	31.8%	14,202	36.7%
<i>Sale</i>	132	51.4%	2,583	52.2%	2,396	63.0%	22,761	58.8%
<i>Trade</i>	4	1.6%	56	1.1%	64	1.7%	523	1.4%
<i>Other</i>	15	5.8%	195	3.9%	134	3.5%	1,238	3.2%
<b>Total</b>	<b>257</b>		<b>4,950</b>		<b>3,804</b>		<b>38,724</b>	

Table 1-2 presents transfer acquisition methods for the S01H permits, all three Cook Inlet salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2018. During the 1980 – 2018 period, just over half of all S01H permit transfers were sales (51.4%, or 132/257), a large percentage were transferred as gifts (41.2% or 106/257), and a smaller percentage were trades (1.6% or 4/257) or other (5.8% or 15/257). The annual acquisition methods for the limited S01H permits have not changed substantially throughout the time period.<sup>6</sup>

**Table 1-3. Relationships of Transferor to Transfer Recipients among Cook Inlet Salmon Purse Seine Permits, 1980-2018**

Relationship	S01H Permit		Cook Inlet Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	41	16.0%	983	19.9%	679	17.8%	7,169	18.5%
<i>Member of Immediate Family</i>	96	37.4%	1,775	35.9%	1,220	32.1%	13,096	33.8%
<i>Other Relative</i>	20	7.8%	320	6.5%	148	3.9%	1,769	4.6%
<i>Other</i>	100	38.9%	1,872	37.8%	1,757	46.2%	16,690	43.1%
<b>Total</b>	<b>257</b>		<b>4,950</b>		<b>3,804</b>		<b>38,724</b>	

Table 1-3 shows the relationships between the transferors and transfer recipients for S01H permits, all three Cook Inlet salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits from 1980 to 2018. For the S01H permit transfers, both immediate family members and other relatives, total 45.1% (116 /257) of all transfers. This compares to 41.3% (2,095/4,950) for all three Cook Inlet salmon permit types combined, 36% (1,368/3,804) for statewide salmon purse seine permits, and 38.4% (14,865 /38,724) for all limited entry permits statewide.

<sup>5</sup> CFEC implemented the transfer survey in 1980.

<sup>6</sup> See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2018*, CFEC Report No. 19-2N.

## S01H Permit Value

Many permit transfers are non-monetary transactions (see Table 1-2). Only arms-length market permit sales were used in calculating permit values. Estimated values are expressed in both nominal and real (adjusted for inflation) terms.

**Table 1-4. CFEC Estimated Value of Cook Inlet Salmon Purse Seine Permits**

Year	S01H Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	5	\$84,267	-	\$219,275	-
1983	8	\$90,000	-	\$226,904	-
1984	1	-	-	-	-
1985	4	\$58,375	-	\$136,230	-
1986	5	\$60,000	-	\$137,467	-
1987	12	\$60,455	-	\$133,633	-
1988	10	\$66,089	-	\$140,282	-
1989	3	\$90,000	-	\$182,255	-
1990	3	\$186,667	-	\$358,633	-
1991	2	\$163,000	\$39,400	\$300,517	\$72,640
1992	1	\$134,500	\$52,450	\$240,726	\$93,874
1993	0	\$134,500	\$52,450	\$233,729	\$91,146
1994	0	\$134,500	\$52,450	\$227,894	\$88,870
1995	1	\$90,800	\$52,600	\$149,610	\$86,668
1996	4	\$37,400	\$11,950	\$59,856	\$19,125
1997	2	\$32,000	\$14,200	\$50,065	\$22,216
1998	1	\$24,100	\$6,900	\$37,127	\$10,630
1999	2	\$17,200	\$4,300	\$25,925	\$6,481
2000	1	\$15,800	\$3,600	\$23,040	\$5,250
2001	0	\$15,800	\$3,600	\$22,403	\$5,104
2002	2	\$11,500	\$3,100	\$16,052	\$4,327
2003	1	\$10,800	\$3,000	\$14,739	\$4,094
2004	3	\$9,600	\$750	\$12,761	\$997
2005	6	\$11,600	\$2,000	\$14,915	\$2,572
2006	1	\$12,700	\$2,750	\$15,819	\$3,425
2007	4	\$14,100	\$1,400	\$17,076	\$1,696
2008	5	\$15,300	\$1,550	\$17,844	\$1,808
2009	2	\$16,900	\$2,300	\$19,781	\$2,692
2010	1	\$18,800	\$2,750	\$21,650	\$3,167
2011	7	\$31,300	\$7,700	\$34,941	\$8,596
2012	3	\$54,400	\$25,100	\$59,497	\$27,452
2013	4	\$71,000	\$9,750	\$76,532	\$10,510
2014	3	\$86,000	\$9,200	\$91,221	\$9,758
2015	1	\$84,800	\$9,700	\$89,841	\$10,277
2016	2	\$68,300	\$11,250	\$71,459	\$11,770
2017	1	\$59,500	\$16,600	\$60,953	\$17,005
2018	1	\$51,000	\$9,950	\$51,000	\$9,950

- 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 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S01H Permits

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

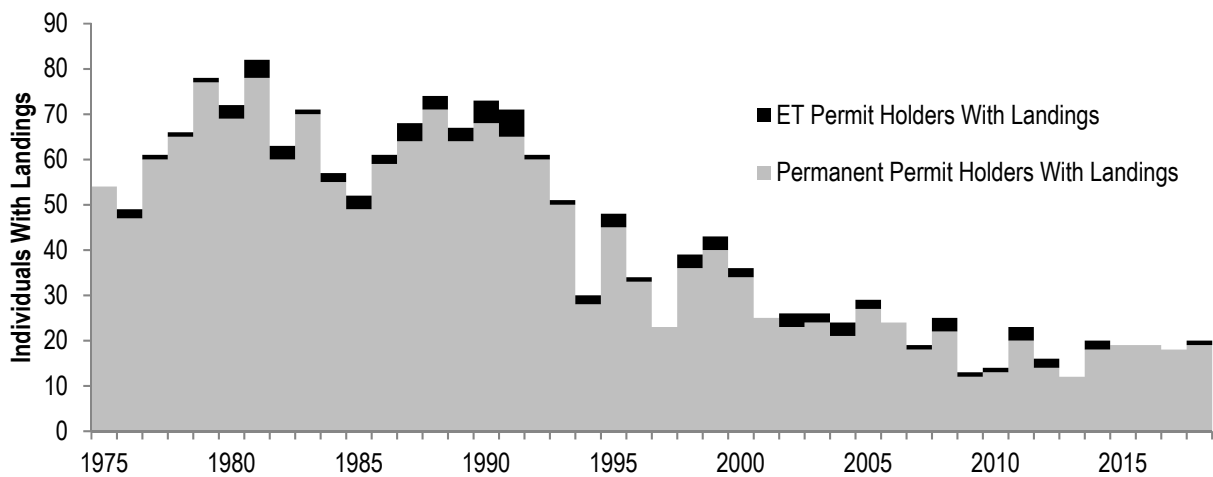
Table 1-5 and Figure 1-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with emergency transfer permits also made landings with permanent permits in the same year.

**Table 1-5. Use of Emergency Transfer Permits in the Cook Inlet 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	54	0	0.0%	1990	73	5	6.8%	2005	29	2	6.9%
1976	49	2	4.1%	1991	71	6	8.5%	2006	24	0	0.0%
1977	61	1	1.6%	1992	61	1	1.6%	2007	19	1	5.3%
1978	66	1	1.5%	1993	51	1	2.0%	2008	25	3	12.0%
1979	78	1	1.3%	1994	30	2	6.7%	2009	13	1	7.7%
1980	72	3	4.2%	1995	48	3	6.3%	2010	14	1	7.1%
1981	82	4	4.9%	1996	34	1	2.9%	2011	23	3	13.0%
1982	63	3	4.8%	1997	23	0	0.0%	2012	16	2	12.5%
1983	71	1	1.4%	1998	39	3	7.7%	2013	12	0	0.0%
1984	57	2	3.5%	1999	43	3	7.0%	2014	20	2	10.0%
1985	52	3	5.8%	2000	36	2	5.6%	2015	19	0	0.0%
1986	61	2	3.3%	2001	25	0	0.0%	2016	19	0	0.0%
1987	68	4	5.9%	2002	26	3	11.5%	2017	18	0	0.0%
1988	74	3	4.1%	2003	26	2	7.7%	2018	20	1	5.0%
1989	67	3	4.5%	2004	24	3	12.5%				

• 2018 data is preliminary.

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





## Latent S01H Permits

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

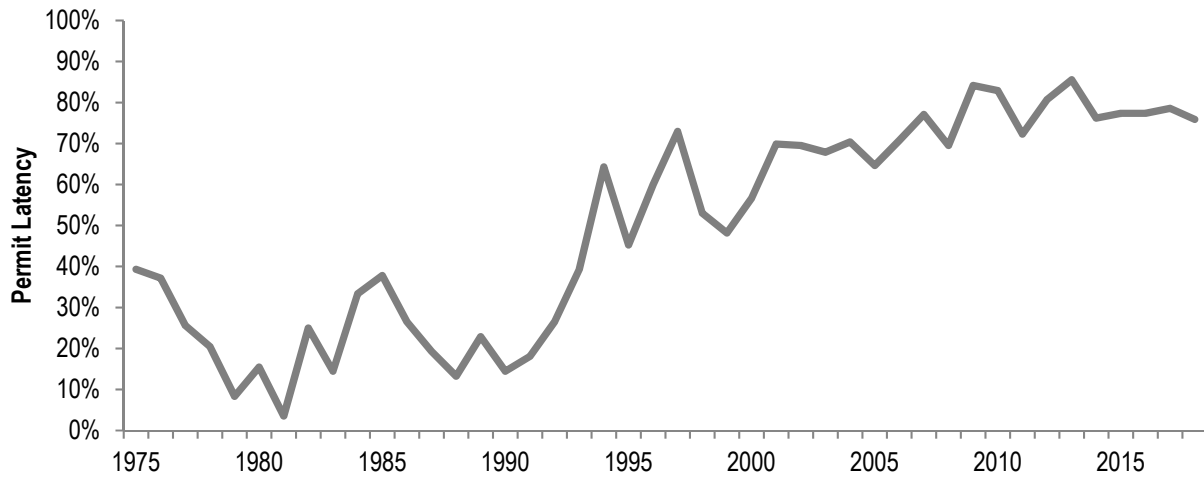
Table 1-6 indicates the total number of viable S01H permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 1-2.

**Table 1-6. Cook Inlet Salmon Purse Seine Permit Latency, 1975-2018**

Year	Permits		Latency	Year	Permits		Latency	Year	Permits		Latency
	Issued	Fished	Rate		Issued	Fished	Rate		Issued	Fished	Rate
1975	89	54	39.3%	1990	83	71	14.5%	2005	82	29	64.6%
1976	78	49	37.2%	1991	83	68	18.1%	2006	82	24	70.7%
1977	82	61	25.6%	1992	83	61	26.5%	2007	83	19	77.1%
1978	83	66	20.5%	1993	84	51	39.3%	2008	82	25	69.5%
1979	84	77	8.3%	1994	84	30	64.3%	2009	82	13	84.1%
1980	84	71	15.5%	1995	84	46	45.2%	2010	82	14	82.9%
1981	85	82	3.5%	1996	85	34	60.0%	2011	83	23	72.3%
1982	84	63	25.0%	1997	85	23	72.9%	2012	83	16	80.7%
1983	83	71	14.5%	1998	83	39	53.0%	2013	83	12	85.5%
1984	81	54	33.3%	1999	83	43	48.2%	2014	84	20	76.2%
1985	82	51	37.8%	2000	83	36	56.6%	2015	84	19	77.4%
1986	83	61	26.5%	2001	83	25	69.9%	2016	84	19	77.4%
1987	83	67	19.3%	2002	82	25	69.5%	2017	84	18	78.6%
1988	83	72	13.3%	2003	81	26	67.9%	2018	83	20	75.9%
1989	83	64	22.9%	2004	81	24	70.4%				

- 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 1-2. Cook Inlet Salmon Purse Seine Permit Latency Rate, 1975-2018**



# New Entrants into the Cook Inlet Salmon Purse Seine Fishery

New entrants are individuals who recorded a landing on a permanent S01H permit for the first time. 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 qualify for 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.

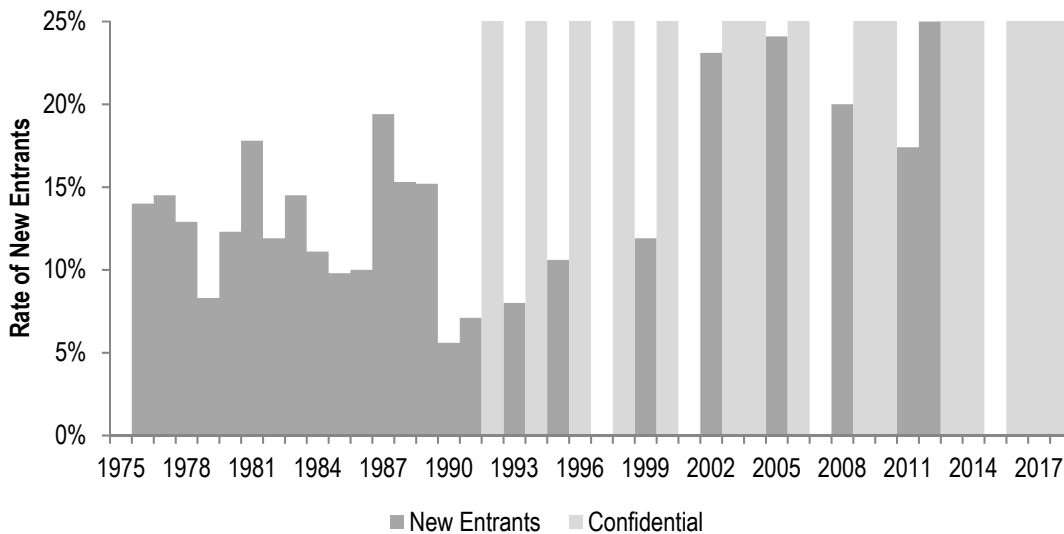
Table 1-7 and Figure 1-3 describe individuals rather than permits. An individual may hold up to two permits in a fishery but can only fish one of them. Individuals may hold one S01H permit one year but in subsequent years hold a different S01H permit, and they may also enter and exit the fishery multiple 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 1-7. New Entrants into the Cook Inlet Salmon Purse Seine Fishery, 1975-2018**

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	32	0	0.0%	1990	72	4	5.6%	2005	29	7	24.1%
1976	43	6	14.0%	1991	70	5	7.1%	2006	24	1-3	-
1977	55	8	14.5%	1992	60	1-3	-	2007	19	0	0.0%
1978	62	8	12.9%	1993	50	4	8.0%	2008	25	5	20.0%
1979	72	6	8.3%	1994	29	1-3	-	2009	13	1-3	-
1980	65	8	12.3%	1995	47	5	10.6%	2010	14	1-3	-
1981	73	13	17.8%	1996	33	1-3	-	2011	23	4	17.4%
1982	59	7	11.9%	1997	22	0	0.0%	2012	16	4	25.0%
1983	69	10	14.5%	1998	38	1-3	-	2013	12	1-3	-
1984	54	6	11.1%	1999	42	5	11.9%	2014	20	1-3	-
1985	51	5	9.8%	2000	35	1-3	-	2015	19	0	0.0%
1986	60	6	10.0%	2001	24	0	0.0%	2016	19	1-3	-
1987	67	13	19.4%	2002	26	6	23.1%	2017	18	1-3	-
1988	72	11	15.3%	2003	26	1-3	-	2018	20	1-3	-
1989	66	10	15.2%	2004	24	1-3	-				

- 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.

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



## Age of S01H Permit Holders

**Table 1-8. Mean Age of Select CFEC Permit Holders and the General Alaskan Population**

Year	Cook Inlet Drift Gillnet	Cook Inlet Combined Salmon	Statewide Salmon Purse Seine	Statewide All Permits	Mean AK Worker Age
1980	40.2	40.1	42.3	38.9	33.4
1981	39.5	40.0	42.4	39.9	33.5
1982	39.5	39.8	42.2	40.0	33.6
1983	37.8	39.8	41.9	40.2	33.7
1984	39.0	40.2	42.1	40.4	33.8
1985	40.3	40.6	42.6	40.8	34.0
1986	40.9	40.8	42.5	41.0	34.2
1987	41.4	41.2	42.5	40.9	34.5
1988	40.9	41.4	42.7	41.2	34.9
1989	40.4	42.0	42.8	41.5	35.3
1990	41.6	42.5	43.2	42.0	35.5
1991	42.1	42.9	43.5	42.5	35.9
1992	43.0	43.2	44.0	42.9	36.2
1993	44.2	43.7	44.6	43.5	36.5
1994	45.3	44.1	45.0	44.0	36.7
1995	45.8	44.4	45.4	44.4	37.0
1996	45.8	44.6	45.8	44.8	37.2
1997	46.8	45.0	46.4	45.1	37.4
1998	46.6	45.3	46.8	45.6	37.6
1999	47.3	45.7	47.2	46.0	37.8
2000	47.1	46.0	47.3	46.4	37.9
2001	48.3	46.3	48.0	46.9	38.1
2002	49.6	47.0	48.5	47.4	38.3
2003	50.4	47.2	49.4	47.9	38.4
2004	50.0	47.2	50.1	48.2	38.6
2005	49.5	46.7	50.6	48.4	38.7
2006	50.1	46.6	51.1	48.7	38.8
2007	50.0	46.3	51.5	48.9	38.9
2008	49.1	46.4	51.1	49.0	39.0
2009	47.3	46.4	51.3	49.3	39.1
2010	48.3	46.3	51.4	49.5	39.2
2011	48.8	46.6	51.3	49.6	39.4
2012	47.9	46.7	51.4	49.8	39.4
2013	48.1	46.4	51.2	50.0	39.5
2014	48.2	46.5	51.0	50.2	39.5
2015	48.9	46.8	51.4	50.6	39.5
2016	48.6	47.2	52.0	50.9	39.6
2017	49.1	47.3	52.4	51.3	39.6
2018	49.5	47.2	52.6	51.7	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 31<sup>st</sup> of each year.

Table 1-8 shows the annual mean age of five different cohorts of people: 1) Cook Inlet salmon purse seine (S01H) permit holders, 2) all three Cook Inlet salmon permit holders (S01H, S03H, and S04H), 3) statewide salmon purse seine permit holders 4) all CFEC limited entry permit holders, and 5) the general Alaskan population. 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.

Between 1975 and 2018, the mean age of the general Alaskan population has increased 6.2 years, which represents an 18.5% increase. The percent change in ages over the same period for all CFEC permit holders increased by 32.9% (12.8 years), 24.3% (10.3 years) for the statewide salmon purse seine permit holders, and 17.7% (7.1 years) for the combined Cook Inlet salmon permit holders. For S01H permit holders, the mean age increased 23.1% (9.3 years).

## S01H Purse Seine Vessel Characteristics

Table 1-9 reports on various vessel characteristics of the Cook Inlet salmon purse seine fleet since 1978. These data are from the vessel license file which includes voluntarily reported statistics of vessels. Reported are the age, length, net tonnage, horsepower, and hold capacity. The first column of each category reports the count of vessels with described characteristics. Statistics reported include the 25<sup>th</sup> percentile, median, and 75<sup>th</sup> percentile for vessel age, length, weight, horsepower and capacity.

**Table 1-9. Cook Inlet Salmon Purse Seine Vessel Characteristics**

Year	Vessel Count	Vessel Age				Length in Feet				Net Tons				Horsepower				Hold Capacity (ft <sup>3</sup> )			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	66	65	3	9	22	66	28	29	32	55	5	7	10	61	130	165	220	31	180	318	500
1979	81	78	3	9	22	78	28	30	34	68	5	8	11	72	130	173	250	37	176	360	500
1980	71	69	3	8	21	69	28	30	34	56	5	8	11	63	130	165	250	38	160	400	500
1981	87	82	4	9	22	82	28	31	36	67	5	8	13	80	135	181	250	45	180	425	671
1982	62	61	4	8	19	61	28	32	35	51	6	9	12	56	143	203	256	34	180	429	600
1983	73	73	4	8	20	73	28	31	35	62	6	8	11	71	145	200	260	38	200	385	600
1984	56	51	6	9	20	51	28	32	36	44	7	10	13	51	145	200	260	26	200	426	671
1985	50	50	6	9	19	50	28	32	36	42	6	9	13	50	150	203	260	26	160	350	480
1986	61	61	7	10	20	61	28	32	34	54	6	9	12	60	145	190	250	32	205	368	500
1987	68	68	8	10	17	68	28	32	36	59	6	10	13	66	150	200	252	39	220	385	520
1988	75	75	8	10	16	75	28	32	36	64	6	10	14	73	160	210	300	42	240	410	600
1989	66	64	9	11	16	65	28	32	36	56	5	10	13	64	165	211	285	42	166	355	500
1990	73	71	7	11	17	72	28	32	38	64	6	10	13	72	183	235	304	43	300	432	600
1991	74	74	4	12	16	74	28	32	38	60	8	10	13	74	200	245	307	45	270	420	600
1992	61	61	5	13	16	61	28	32	38	52	7	11	13	61	200	250	307	37	250	450	600
1993	54	53	5	14	17	53	28	32	37	45	6	10	13	54	200	250	330	31	240	450	700
1994	31	31	6	15	21	31	28	34	38	27	8	11	13	29	225	250	307	17	320	450	576
1995	45	45	7	16	19	45	28	32	38	38	8	11	13	44	200	250	330	24	285	450	660
1996	37	37	8	16	19	37	28	32	38	32	7	11	15	36	200	245	319	24	190	405	648
1997	24	24	14	19	23	24	28	35	37	22	4	10	13	23	200	225	285	15	270	410	720
1998	44	44	10	19	23	44	28	32	38	39	5	10	13	42	200	235	300	29	220	320	576
1999	43	43	11	20	23	43	28	34	38	39	8	12	15	42	200	235	307	27	160	320	500
2000	37	37	13	20	24	37	28	34	40	33	8	11	15	36	200	245	319	23	300	450	720
2001	31	31	13	21	23	31	27	31	40	26	5	10	14	30	200	225	300	21	300	354	576
2002	24	24	14	18	23	24	28	34	42	22	5	10	16	23	225	250	330	13	300	354	450
2003	30	30	16	24	28	30	28	36	40	27	5	11	17	29	200	225	270	20	285	441	660
2004	27	27	16	25	29	27	34	38	42	26	9	13	19	26	210	245	307	16	230	430	660
2005	33	33	18	25	30	33	28	36	40	29	8	12	15	31	220	250	300	20	226	430	600
2006	24	24	18	25	30	24	31	36	41	22	8	12	14	24	225	250	304	15	160	300	550
2007	18	18	19	28	32	18	28	34	38	16	5	10	14	18	225	250	300	10	160	300	450
2008	23	23	20	28	33	23	28	34	38	19	5	10	15	23	225	250	300	13	270	350	600
2009	12	12	21	28	36	12	28	32	38	11	3	12	17	12	175	238	290	7	100	340	432
2010	16	16	21	28	36	16	28	37	41	14	4	15	21	16	225	275	304	10	160	245	500
2011	20	20	22	29	37	20	28	36	41	17	4	12	18	19	225	250	330	15	160	350	1,300
2012	17	17	23	32	37	17	30	38	42	17	8	15	22	16	238	275	340	12	83	416	1,300
2013	13	13	30	32	39	13	35	40	42	12	12	16	22	13	250	300	330	9	340	500	600
2014	20	20	26	33	37	20	31	37	42	17	8	15	20	19	225	270	330	12	200	466	660
2015	18	18	26	34	38	18	32	38	42	17	5	15	20	17	250	300	373	10	100	466	600
2016	19	19	28	35	39	19	32	38	42	18	10	15	20	19	250	300	373	10	300	520	720
2017	18	18	34	37	42	18	35	38	42	17	11	15	20	18	250	300	373	11	300	500	600
2018	21	20	35	37	42	20	33	38	42	18	10	16	22	20	250	300	387	12	350	475	650

- Counts represent the total number of vessels with the corresponding data. Not all vessels have data for each of the characteristics.

*Cook Inlet Salmon Purse Seine (S01H)*

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

**Table 1-10. Additional Cook Inlet Salmon Purse Seine Vessel Characteristics**

Year	Vessel Count	Engine Type				Hull Material					
		Count	Diesel	Gas	Count	Fiberglass	Concrete	Steel	Rubber	Wood	
1978	66	65	25 38.5%	40 61.5%	66	25 37.9%	0 0.0%	10 15.2%	0 0.0%	28 42.4%	
1979	81	77	35 45.5%	42 54.5%	79	34 43.0%	0 0.0%	11 13.9%	0 0.0%	27 34.2%	
1980	71	69	32 46.4%	37 53.6%	69	32 46.4%	0 0.0%	10 14.5%	0 0.0%	21 30.4%	
1981	87	83	42 50.6%	41 49.4%	82	40 48.8%	0 0.0%	11 13.4%	0 0.0%	23 28.0%	
1982	62	61	32 52.5%	29 47.5%	61	35 57.4%	1 1.6%	8 13.1%	0 0.0%	14 23.0%	
1983	73	73	39 53.4%	34 46.6%	73	36 49.3%	1 1.4%	10 13.7%	0 0.0%	18 24.7%	
1984	56	51	32 62.7%	19 37.3%	51	33 64.7%	1 2.0%	5 9.8%	0 0.0%	10 19.6%	
1985	50	50	29 58.0%	21 42.0%	50	34 68.0%	0 0.0%	3 6.0%	0 0.0%	10 20.0%	
1986	61	61	34 55.7%	27 44.3%	61	35 57.4%	0 0.0%	4 6.6%	0 0.0%	14 23.0%	
1987	68	68	42 61.8%	26 38.2%	68	41 60.3%	0 0.0%	2 2.9%	0 0.0%	11 16.2%	
1988	75	74	47 63.5%	27 36.5%	75	43 57.3%	0 0.0%	1 1.3%	0 0.0%	13 17.3%	
1989	66	66	42 63.6%	24 36.4%	66	33 50.0%	0 0.0%	1 1.5%	0 0.0%	14 21.2%	
1990	73	73	48 65.8%	25 34.2%	73	40 54.8%	0 0.0%	2 2.7%	0 0.0%	9 12.3%	
1991	74	74	48 64.9%	26 35.1%	74	40 54.1%	0 0.0%	1 1.4%	0 0.0%	8 10.8%	
1992	61	61	39 63.9%	22 36.1%	61	30 49.2%	0 0.0%	1 1.6%	0 0.0%	8 13.1%	
1993	54	54	31 57.4%	23 42.6%	54	27 50.0%	0 0.0%	0 0.0%	0 0.0%	7 13.0%	
1994	31	30	21 70.0%	9 30.0%	31	16 51.6%	0 0.0%	1 3.2%	0 0.0%	4 12.9%	
1995	45	45	32 71.1%	13 28.9%	45	19 42.2%	0 0.0%	2 4.4%	0 0.0%	6 13.3%	
1996	37	37	23 62.2%	14 37.8%	37	18 48.6%	0 0.0%	0 0.0%	0 0.0%	2 5.4%	
1997	24	24	17 70.8%	7 29.2%	24	12 50.0%	0 0.0%	0 0.0%	0 0.0%	3 12.5%	
1998	44	43	27 62.8%	16 37.2%	44	19 43.2%	0 0.0%	1 2.3%	0 0.0%	4 9.1%	
1999	43	43	31 72.1%	12 27.9%	43	24 55.8%	0 0.0%	1 2.3%	0 0.0%	3 7.0%	
2000	37	37	26 70.3%	11 29.7%	37	22 59.5%	0 0.0%	1 2.7%	0 0.0%	1 2.7%	
2001	31	31	19 61.3%	12 38.7%	31	15 48.4%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2002	24	24	18 75.0%	6 25.0%	24	12 50.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2003	30	30	22 73.3%	8 26.7%	30	19 63.3%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2004	27	27	24 88.9%	3 11.1%	27	19 70.4%	0 0.0%	0 0.0%	0 0.0%	1 3.7%	
2005	33	33	26 78.8%	7 21.2%	33	19 57.6%	0 0.0%	0 0.0%	0 0.0%	2 6.1%	
2006	24	24	20 83.3%	4 16.7%	24	13 54.2%	0 0.0%	0 0.0%	0 0.0%	1 4.2%	
2007	18	18	14 77.8%	4 22.2%	18	9 50.0%	0 0.0%	0 0.0%	0 0.0%	1 5.6%	
2008	23	23	16 69.6%	7 30.4%	23	12 52.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2009	12	12	8 66.7%	4 33.3%	12	6 50.0%	0 0.0%	1 8.3%	0 0.0%	0 0.0%	
2010	16	16	11 68.8%	5 31.3%	16	9 56.3%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2011	20	20	13 65.0%	7 35.0%	20	12 60.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2012	17	17	12 70.6%	5 29.4%	17	13 76.5%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2013	13	13	11 84.6%	2 15.4%	13	10 76.9%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2014	20	20	15 75.0%	5 25.0%	20	12 60.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2015	18	18	14 77.8%	4 22.2%	18	12 66.7%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2016	19	19	16 84.2%	3 15.8%	19	13 68.4%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2017	18	18	17 94.4%	1 5.6%	18	13 72.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	
2018	21	20	17 85.0%	3 15.0%	20	14 70.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	

## S01H 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 2018 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 Cook Inlet 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.

**Figure 1-4. Cook Inlet Salmon Purse Seine Permit Estimated Nominal and Real Average Gross Earnings**



- Real earnings are adjusted for inflation using the 2018 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 1-11 reports the number of permits issued, permits and vessels with landings, and estimated gross earnings in the Cook Inlet 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. Table 1-13 provides earnings by Cook Inlet district.

**Table 1-11. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet 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	89	\$1,406,224	\$6,563,431	54	\$121,545	60	\$109,391
1976	78	\$513,502	\$2,266,151	49	\$46,248	56	\$40,467
1977	82	\$2,563,292	\$10,621,462	61	\$174,122	71	\$149,598
1978	83	\$1,419,533	\$5,467,097	66	\$82,835	66	\$82,835
1979	84	\$5,769,152	\$19,954,193	77	\$259,145	81	\$246,348
1980	84	\$1,434,609	\$4,371,850	71	\$61,575	71	\$61,575
1981	85	\$6,882,516	\$19,012,629	82	\$231,861	87	\$218,536
1982	84	\$1,784,216	\$4,642,789	63	\$73,695	62	\$74,884
1983	83	\$1,720,680	\$4,338,099	71	\$61,100	73	\$59,426
1984	81	\$1,847,067	\$4,464,017	54	\$82,667	56	\$79,715
1985	82	\$2,302,420	\$5,373,175	51	\$105,356	50	\$107,464
1986	83	\$2,196,680	\$5,032,862	61	\$82,506	61	\$82,506
1987	83	\$2,591,820	\$5,729,086	67	\$85,509	68	\$84,251
1988	83	\$8,437,869	\$17,910,464	72	\$248,756	75	\$238,806
1989	83	\$2,539,823	\$5,143,284	64	\$80,364	66	\$77,929
1990	83	\$1,444,426	\$2,775,099	71	\$39,086	73	\$38,015
1991	83	\$1,360,809	\$2,508,874	68	\$36,895	74	\$33,904
1992	83	\$1,107,528	\$1,982,239	61	\$32,496	61	\$32,496
1993	84	\$842,496	\$1,464,060	51	\$28,707	54	\$27,112
1994	84	\$768,850	\$1,302,724	30	\$43,424	31	\$42,023
1995	84	\$1,982,432	\$3,266,420	46	\$71,009	45	\$72,587
1996	85	\$1,740,062	\$2,784,842	34	\$81,907	37	\$75,266
1997	85	\$768,043	\$1,201,626	23	\$52,245	24	\$50,068
1998	83	\$1,069,729	\$1,647,954	39	\$42,255	44	\$37,454
1999	83	\$1,912,728	\$2,882,949	43	\$67,045	43	\$67,045
2000	83	\$1,029,272	\$1,500,914	36	\$41,692	37	\$40,565
2001	83	\$721,111	\$1,022,451	25	\$40,898	31	\$32,982
2002	82	\$823,726	\$1,149,768	25	\$45,991	24	\$47,907
2003	81	\$1,558,569	\$2,126,998	26	\$81,808	30	\$70,900
2004	81	\$719,238	\$956,092	24	\$39,837	27	\$35,411
2005	82	\$786,252	\$1,010,924	29	\$34,859	33	\$30,634
2006	82	\$1,564,895	\$1,949,187	24	\$81,216	24	\$81,216
2007	83	\$1,131,535	\$1,370,376	19	\$72,125	18	\$76,132
2008	82	\$3,451,830	\$4,025,855	25	\$161,034	23	\$175,037
2009	82	\$1,420,257	\$1,662,354	13	\$127,873	12	\$138,530
2010	82	\$1,010,051	\$1,163,145	14	\$83,082	16	\$72,697
2011	83	\$2,076,973	\$2,318,595	23	\$100,808	20	\$115,930
2012	83	\$1,123,213	\$1,228,458	16	\$76,779	17	\$72,262
2013	83	\$3,374,170	\$3,637,057	12	\$303,088	13	\$279,774
2014	84	\$1,191,232	\$1,263,545	20	\$63,177	20	\$63,177
2015	84	\$3,507,082	\$3,715,568	19	\$195,556	18	\$206,420
2016	84	\$832,538	\$871,042	19	\$45,844	19	\$45,844
2017	84	\$4,541,846	\$4,652,779	18	\$258,488	18	\$258,488
2018	83	\$2,276,004	\$2,276,004	20	\$113,800	21	\$108,381

- Adjusted for inflation to 2018 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 1-12. Estimated Real Gross Earnings for Permit Holders in the Cook Inlet Salmon Purse Seine Fishery by Resident Type, 1975-2018**

Year	Local Gross Earnings			Nonlocal Gross Earnings			Nonresident Gross Earnings			Totals Gross Earnings		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	**	**	**	0	\$0	\$0	1-3	**	**	54	\$121,545	\$6,563,431
1976	49	\$46,248	\$2,266,151	0	\$0	\$0	0	\$0	\$0	49	\$46,248	\$2,266,151
1977	61	\$174,122	\$10,621,462	0	\$0	\$0	0	\$0	\$0	61	\$174,122	\$10,621,462
1978	**	**	**	1-3	**	**	0	\$0	\$0	66	\$82,835	\$5,467,097
1979	**	**	**	0	\$0	\$0	1-3	**	**	78	\$255,823	\$19,954,193
1980	**	**	**	0	\$0	\$0	1-3	**	**	72	\$60,720	\$4,371,850
1981	**	**	**	0	\$0	\$0	1-3	**	**	82	\$231,861	\$19,012,629
1982	**	**	**	1-3	**	**	0	\$0	\$0	63	\$73,695	\$4,642,789
1983	71	\$61,100	\$4,338,099	0	\$0	\$0	0	\$0	\$0	71	\$61,100	\$4,338,099
1984	**	**	**	0	\$0	\$0	1-3	**	**	57	\$78,316	\$4,464,017
1985	52	\$103,330	\$5,373,175	0	\$0	\$0	0	\$0	\$0	52	\$103,330	\$5,373,175
1986	61	\$82,506	\$5,032,862	0	\$0	\$0	0	\$0	\$0	61	\$82,506	\$5,032,862
1987	**	**	**	1-3	**	**	1-3	**	**	68	\$84,251	\$5,729,086
1988	**	**	**	0	\$0	\$0	1-3	**	**	74	\$242,033	\$17,910,464
1989	**	**	**	0	\$0	\$0	1-3	**	**	67	\$76,765	\$5,143,284
1990	**	**	**	1-3	**	**	1-3	**	**	73	\$38,015	\$2,775,099
1991	**	**	**	1-3	**	**	1-3	**	**	71	\$35,336	\$2,508,874
1992	**	**	**	0	\$0	\$0	1-3	**	**	61	\$32,496	\$1,982,239
1993	**	**	**	0	\$0	\$0	1-3	**	**	51	\$28,707	\$1,464,060
1994	**	**	**	0	\$0	\$0	1-3	**	**	30	\$43,424	\$1,302,724
1995	**	**	**	0	\$0	\$0	1-3	**	**	48	\$68,050	\$3,266,420
1996	**	**	**	0	\$0	\$0	1-3	**	**	34	\$81,907	\$2,784,842
1997	23	\$52,245	\$1,201,626	0	\$0	\$0	0	\$0	\$0	23	\$52,245	\$1,201,626
1998	**	**	**	0	\$0	\$0	1-3	**	**	39	\$42,255	\$1,647,954
1999	**	**	**	0	\$0	\$0	1-3	**	**	43	\$67,045	\$2,882,949
2000	32	\$41,147	\$1,316,703	0	\$0	\$0	4	\$46,053	\$184,211	36	\$41,692	\$1,500,914
2001	**	**	**	0	\$0	\$0	1-3	**	**	25	\$40,898	\$1,022,451
2002	22	\$45,158	\$993,482	0	\$0	\$0	4	\$39,072	\$156,286	26	\$44,222	\$1,149,768
2003	**	**	**	0	\$0	\$0	1-3	**	**	26	\$81,808	\$2,126,998
2004	**	**	**	0	\$0	\$0	1-3	**	**	24	\$39,837	\$956,092
2005	**	**	**	0	\$0	\$0	1-3	**	**	29	\$34,859	\$1,010,924
2006	**	**	**	0	\$0	\$0	1-3	**	**	24	\$81,216	\$1,949,187
2007	**	**	**	0	\$0	\$0	1-3	**	**	19	\$72,125	\$1,370,376
2008	**	**	**	0	\$0	\$0	1-3	**	**	25	\$161,034	\$4,025,855
2009	**	**	**	0	\$0	\$0	1-3	**	**	13	\$127,873	\$1,662,354
2010	**	**	**	0	\$0	\$0	1-3	**	**	14	\$83,082	\$1,163,145
2011	**	**	**	0	\$0	\$0	1-3	**	**	23	\$100,808	\$2,318,595
2012	12	\$67,919	\$815,025	0	\$0	\$0	4	\$103,358	\$413,433	16	\$76,779	\$1,228,458
2013	**	**	**	0	\$0	\$0	1-3	**	**	12	\$303,088	\$3,637,057
2014	**	**	**	0	\$0	\$0	1-3	**	**	20	\$63,177	\$1,263,545
2015	**	**	**	0	\$0	\$0	1-3	**	**	19	\$195,556	\$3,715,568
2016	**	**	**	0	\$0	\$0	1-3	**	**	19	\$45,844	\$871,042
2017	**	**	**	0	\$0	\$0	1-3	**	**	18	\$258,488	\$4,652,779
2018	**	**	**	0	\$0	\$0	1-3	**	**	20	\$113,800	\$2,276,004

- Adjusted for inflation to 2018 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.
- When fewer than four permits make landings, earnings are masked (\*\*) for confidentiality.



Table 1-13. Gross Earnings for the Cook Inlet Salmon Purse Seine Fishery by District, 1977 to 2018

Year	Eastern		Kamishak Bay		Outer		Southern		Other Districts	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	0	\$0	4	\$81,036	25	\$1,143,061	48	\$5,190,621	5	\$148,713
1976	5	\$232,268	11	\$986,533	15	\$401,500	37	\$631,502	1-3	**
1977	11	\$214,108	7	\$1,416,553	54	\$8,251,197	35	\$735,505	1-3	**
1978	9	\$122,524	20	\$1,127,615	39	\$998,118	54	\$3,218,840	0	\$0
1979	0	\$0	10	\$864,141	62	\$14,120,041	58	\$4,961,447	1-3	**
1980	14	\$549,867	11	\$921,892	54	\$1,237,206	59	\$1,639,724	1-3	**
1981	14	\$426,092	13	\$1,265,243	67	\$10,917,152	69	\$6,386,632	1-3	**
1982	12	\$311,266	12	\$1,937,994	41	\$1,879,293	48	\$481,101	1-3	**
1983	14	\$380,221	16	\$1,164,279	44	\$765,935	57	\$2,027,664	0	\$0
1984	13	\$1,023,576	17	\$1,115,695	32	\$537,680	39	\$1,787,068	0	\$0
1985	14	\$567,959	10	\$746,307	34	\$2,560,723	37	\$1,498,186	0	\$0
1986	10	\$119,533	25	\$2,550,467	40	\$1,488,799	43	\$874,063	0	\$0
1987	9	\$233,422	32	\$3,007,660	32	\$1,086,488	38	\$1,395,157	1-3	**
1988	13	\$1,066,080	38	\$8,935,126	32	\$1,544,985	49	\$6,361,686	1-3	**
1989	11	\$208,146	19	\$900,333	10	\$360,215	57	\$3,674,590	0	\$0
1990	8	\$142,510	30	\$1,116,590	47	\$565,133	56	\$950,865	0	\$0
1991	6	\$139,038	33	\$978,929	35	\$317,683	50	\$1,073,223	0	\$0
1992	7	\$83,620	23	\$791,100	5	\$7,337	53	\$1,100,181	0	\$0
1993	6	\$10,262	14	\$345,407	21	\$153,404	42	\$954,987	0	\$0
1994	6	\$103,535	8	\$168,479	6	\$91,774	25	\$938,936	0	\$0
1995	19	\$245,423	7	\$506,218	13	\$365,296	39	\$2,149,483	0	\$0
1996	17	\$307,471	1-3	**	1-3	**	29	\$2,213,192	0	\$0
1997	9	\$89,042	1-3	**	9	\$137,652	19	\$927,550	0	\$0
1998	7	\$103,504	4	\$45,272	10	\$205,495	35	\$1,293,683	0	\$0
1999	11	\$222,589	6	\$215,677	8	\$541,861	37	\$1,902,823	0	\$0
2000	13	\$170,992	10	\$336,571	11	\$380,400	29	\$612,950	0	\$0
2001	1-3	**	7	\$442,385	5	\$64,552	19	\$502,598	0	\$0
2002	7	\$66,050	5	\$260,387	11	\$300,508	19	\$522,824	0	\$0
2003	10	\$34,384	1-3	**	6	\$219,587	21	\$1,800,611	0	\$0
2004	8	\$114,946	6	\$547,155	9	\$145,768	19	\$148,223	0	\$0
2005	15	\$104,040	8	\$491,180	5	\$69,273	23	\$346,431	0	\$0
2006	13	\$248,975	5	\$613,014	11	\$763,019	16	\$324,179	0	\$0
2007	11	\$80,892	4	\$655,535	5	\$288,036	13	\$345,913	0	\$0
2008	11	\$500,309	11	\$1,691,720	16	\$1,296,285	13	\$537,541	0	\$0
2009	0	\$0	9	\$725,153	11	\$937,202	0	\$0	0	\$0
2010	0	\$0	9	\$598,417	10	\$564,728	0	\$0	0	\$0
2011	16	\$493,918	10	\$670,881	13	\$1,058,658	5	\$95,138	0	\$0
2012	0	\$0	6	\$472,152	15	\$445,680	11	\$310,626	0	\$0
2013	0	\$0	5	\$375,412	11	\$2,834,790	12	\$426,855	0	\$0
2014	1-3	**	8	\$153,560	15	\$732,701	16	\$331,999	0	\$0
2015	1-3	**	1-3	**	19	\$3,140,045	14	\$521,810	0	\$0
2016	1-3	**	5	\$165,378	13	\$250,768	18	\$439,038	0	\$0
2017	0	\$0	7	\$1,271,395	17	\$2,245,484	17	\$1,135,901	0	\$0
2018	5	\$190,410	7	\$483,188	11	\$272,721	20	\$1,329,684	0	\$0

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (\*\*) for confidentiality
- Some Permits are used to record landings in more than one district.

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## Chapter 2 - Cook Inlet Salmon Drift Gillnet Fishery (S03H)

### S03H Permit Holdings

License limitation permits for the Cook Inlet salmon drift gillnet fishery (S03H permits) were issued starting in 1975. Table 2-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 573 S03H permits. Of this total, Alaska Locals received 64.0% (367) of the permits, Nonlocal Alaskans received 3.7% (21) of the permits, and the remaining 32.3 % (185) of the permits went to Nonresidents. Every permit issued was a transferable permit.

**Table 2-1. Initial Issuance and Year-end 2018 Totals of Cook Inlet Salmon Drift Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type**

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	367	64.0%	73	19.9%	-45	-12.3%	-1	-0.3%	394	69.4%
Nonlocal	21	3.7%	2	9.5%	-2	-9.5%	0	0.0%	21	3.7%
Nonresident	185	32.3%	-75	-40.5%	47	25.4%	-4	-2.2%	153	26.9%
<b>Total</b>	<b>573</b>	<b>100.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>-5</b>	<b>-0.9%</b>	<b>568</b>	<b>100.0%</b>

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, particularly between locals and nonresidents; however, some of the change has been offset by migrations.

## Transfers of S03H 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.<sup>7</sup> 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 Cook Inlet Salmon Drift Gillnet Permits, 1980-2018**

Acquisition Method	S03H Permits		Cook Inlet Combined Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	732	36.0%	2,116	42.7%	3,838	32.6%	14,202	36.7%
<i>Sale</i>	1,197	58.8%	2,583	52.2%	7,380	62.7%	22,761	58.8%
<i>Trade</i>	31	1.5%	56	1.1%	119	1.0%	523	1.4%
<i>Other</i>	74	3.6%	195	3.9%	436	3.7%	1,238	3.2%
<b>Total</b>	<b>2,034</b>		<b>4,950</b>		<b>11,773</b>		<b>38,724</b>	

Table 2-2 presents transfer acquisition methods for the S03H permits, all three Cook Inlet salmon permit types combined, statewide salmon drift gillnet permits, and all limited entry permits between 1980 and 2018. During the 1980 – 2018 period, over half of all S03H transfers were sales (58.8% or 1,197/2,034), about one third are gifts (36% or 732/2,034), and a smaller percentage were trades (1.5% or 31/2,034) or other (3.6% 74/2,034). The annual acquisition methods for the limited S03H permits have not changed substantially throughout the time period<sup>8</sup>

**Table 2-3. Relationships of Transferor to Transfer Recipients among Cook Inlet Salmon Drift Gillnet Permits, 1980-2018**

Relationship	S03H Permits		Cook Inlet Combined Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	305	15.0%	983	19.9%	1,941	16.5%	7,169	18.5%
<i>Member of Immediate Family</i>	731	35.9%	1,775	35.9%	3,694	31.4%	13,096	33.8%
<i>Other Relative</i>	99	4.9%	320	6.5%	490	4.2%	1,769	4.6%
<i>Other</i>	899	44.2%	1,872	37.8%	5,648	48.0%	16,690	43.1%
<b>Total</b>	<b>2,034</b>		<b>4,950</b>		<b>11,773</b>		<b>38,724</b>	

Table 2-3 shows the relationships between the transferors and transfer recipients for S03H permits, all three Cook Inlet salmon permit types combined, statewide salmon drift gillnet permits, and all limited entry permits from 1980 to 2018. Permit transfers, both between immediate family members and other relatives, total 40.8% (830/2,034) of all permit transfers for S03H permits compared to 42.3% (2,095/4,950) for all three Cook Inlet salmon permit types combined, 35.5% (4,184/11,773) for all statewide salmon drift gillnet permits, and 38.4% (14,865/38,724) for all limited entry permits statewide.

<sup>7</sup> CFEC implemented the transfer survey in 1980.

<sup>8</sup> See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2018*, CFEC Report No. 19-2N.

## S03H Permit Value

Many permit transfers are non-monetary transactions (see Table 2-2). Table 2-4 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 2-4. CFEC Estimated Value of Cook Inlet Salmon Drift Gillnet Permits**

Year	S03H Permit Sales	Nominal		Real	
		Permit Value	Std. Dev.	Permit Value	Std. Dev.
1982	41	\$58,176	-	\$151,382	-
1983	53	\$69,919	-	\$176,277	-
1984	35	\$67,962	-	\$164,252	-
1985	39	\$62,605	-	\$146,102	-
1986	50	\$64,962	-	\$148,836	-
1987	25	\$86,944	-	\$192,185	-
1988	27	\$138,725	-	\$294,462	-
1989	32	\$176,844	-	\$358,119	-
1990	26	\$202,058	-	\$388,203	-
1991	29	\$177,500	\$25,800	\$327,250	\$47,567
1992	32	\$88,800	\$5,150	\$158,933	\$9,217
1993	22	\$89,800	\$9,650	\$156,051	\$16,769
1994	25	\$65,000	\$4,350	\$110,135	\$7,371
1995	30	\$85,500	\$17,000	\$140,877	\$28,011
1996	29	\$75,100	\$6,550	\$120,192	\$10,483
1997	33	\$75,800	\$11,850	\$118,591	\$18,540
1998	25	\$42,000	\$9,050	\$64,702	\$13,942
1999	22	\$25,200	\$2,950	\$37,983	\$4,446
2000	28	\$32,300	\$3,600	\$47,101	\$5,250
2001	12	\$22,300	\$5,150	\$31,619	\$7,302
2002	11	\$11,700	\$3,550	\$16,331	\$4,955
2003	20	\$15,700	\$3,600	\$21,426	\$4,913
2004	45	\$20,300	\$4,150	\$26,985	\$5,517
2005	28	\$39,300	\$6,650	\$50,530	\$8,550
2006	21	\$28,800	\$3,750	\$35,872	\$4,671
2007	22	\$29,200	\$2,400	\$35,363	\$2,907
2008	22	\$35,200	\$3,400	\$41,054	\$3,965
2009	23	\$27,600	\$1,000	\$32,305	\$1,170
2010	35	\$31,700	\$8,850	\$36,505	\$10,191
2011	38	\$51,700	\$6,250	\$57,714	\$6,977
2012	36	\$76,400	\$5,200	\$83,559	\$5,687
2013	28	\$83,100	\$7,200	\$89,574	\$7,761
2014	22	\$74,400	\$6,350	\$78,916	\$6,735
2015	20	\$63,500	\$9,750	\$67,275	\$10,330
2016	10	\$52,500	\$4,150	\$54,928	\$4,342
2017	19	\$42,400	\$4,800	\$43,436	\$4,917
2018	21	\$39,900	\$7,350	\$39,900	\$7,350

- 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 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S03H Permits

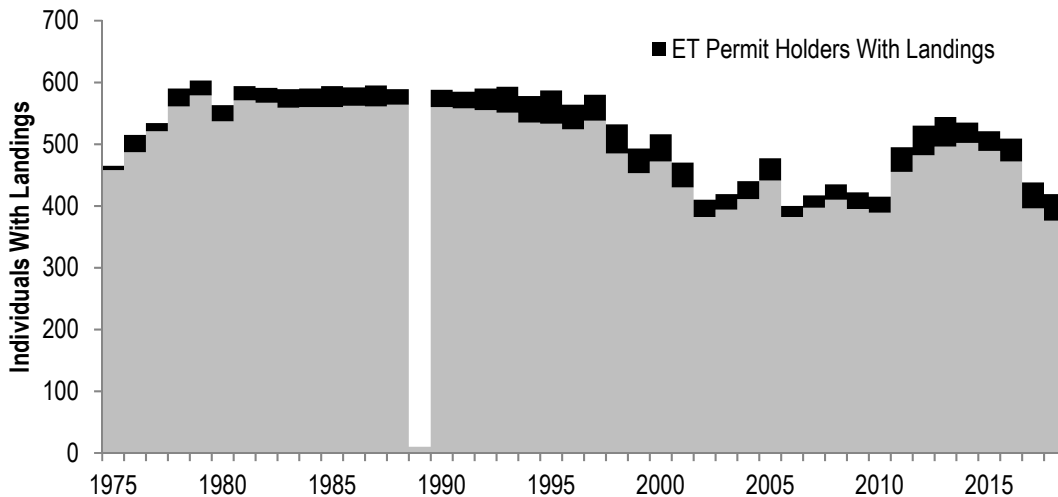
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

Table 2-5 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 2-5. Use of Emergency Transfer Permits in the Cook Inlet Salmon Drift Gillnet 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	366	19	5.2%	1990	588	28	4.8%	2005	477	36	7.5%
1976	512	28	5.5%	1991	585	27	4.6%	2006	400	18	4.5%
1977	533	13	2.4%	1992	590	35	5.9%	2007	417	20	4.8%
1978	589	29	4.9%	1993	593	42	7.1%	2008	428	25	5.8%
1979	603	24	4.0%	1994	578	44	7.6%	2009	410	27	6.6%
1980	563	26	4.6%	1995	587	54	9.2%	2010	380	26	6.8%
1981	594	23	3.9%	1996	564	41	7.3%	2011	463	40	8.6%
1982	591	24	4.1%	1997	580	42	7.2%	2012	500	48	9.6%
1983	589	30	5.1%	1998	532	49	9.2%	2013	500	48	9.6%
1984	590	30	5.1%	1999	493	41	8.3%	2014	500	33	6.6%
1985	594	34	5.7%	2000	516	44	8.5%	2015	495	27	5.5%
1986	592	30	5.1%	2001	470	40	8.5%	2016	472	32	6.8%
1987	595	34	5.7%	2002	410	28	6.8%	2017	423	39	9.2%
1988	589	25	4.2%	2003	419	25	6.0%	2018	395	41	10.4%
1989	10	0	0.0%	2004	440	29	6.6%				

**Figure 2-1. Use of Emergency Transfer Permits in the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2018**



## Latent S03H Permits

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

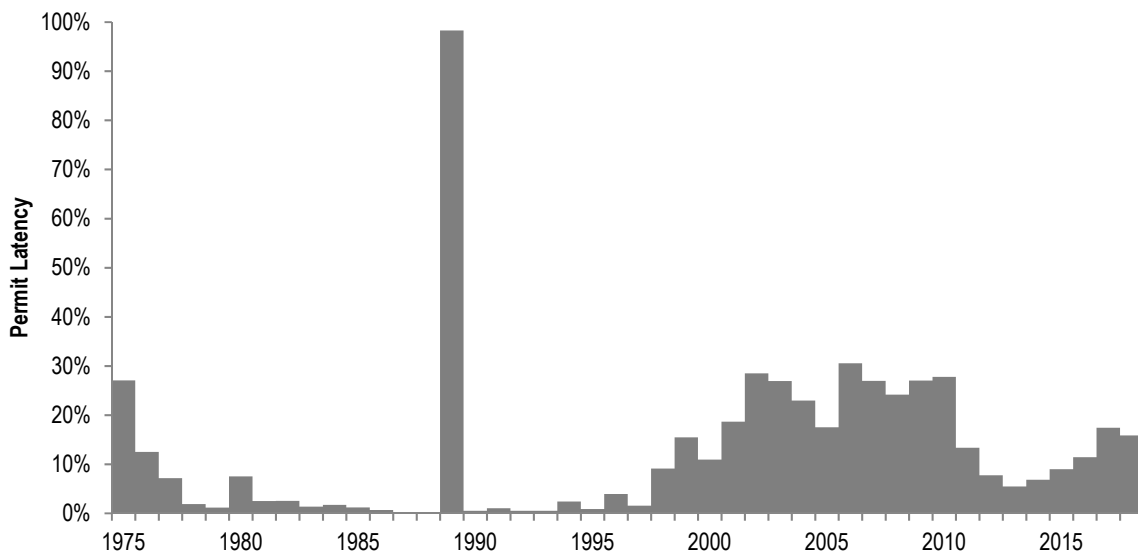
Table 2-6 shows the total number of viable S03H permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 2-2.

**Table 2-6. Cook Inlet Salmon Drift Gillnet Permit Latency, 1975-2018**

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	636	464	27.0%	1990	585	582	0.5%	2005	571	471	17.5%
1976	584	511	12.5%	1991	584	578	1.0%	2006	570	396	30.5%
1977	572	531	7.2%	1992	583	580	0.5%	2007	571	417	27.0%
1978	589	578	1.9%	1993	583	580	0.5%	2008	571	433	24.2%
1979	599	592	1.2%	1994	583	569	2.4%	2009	570	416	27.0%
1980	598	553	7.5%	1995	582	577	0.9%	2010	569	411	27.8%
1981	599	584	2.5%	1996	583	560	3.9%	2011	569	493	13.4%
1982	592	577	2.5%	1997	581	572	1.5%	2012	569	525	7.7%
1983	588	580	1.4%	1998	581	528	9.1%	2013	569	538	5.4%
1984	588	578	1.7%	1999	576	487	15.5%	2014	571	532	6.8%
1985	591	584	1.2%	2000	576	513	10.9%	2015	569	518	9.0%
1986	588	584	0.7%	2001	574	467	18.6%	2016	569	504	11.4%
1987	586	585	0.2%	2002	572	409	28.5%	2017	569	470	17.4%
1988	585	584	0.2%	2003	572	418	26.9%	2018	568	478	15.8%
1989	585	10	98.3%	2004	571	440	22.9%				

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

**Figure 2-2. Cook Inlet Salmon Drift Gillnet Permit Latency Rate, 1975-2018**



## New Entrants into the Cook Inlet Salmon Drift Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S03H 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.

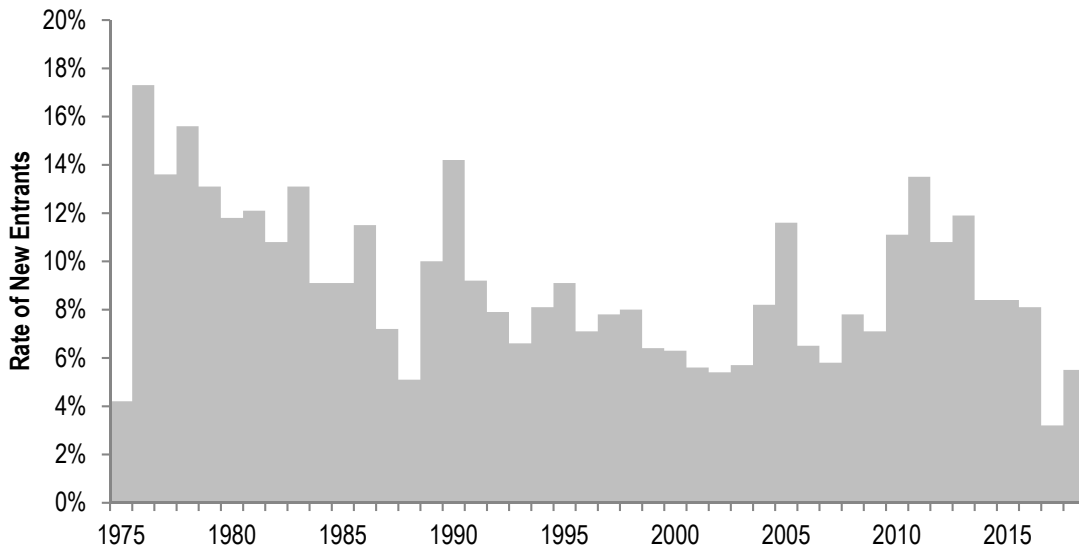
Table 2-7 and Figure 2-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery but can only fish one of them. An individual may hold one S03H permit one year, and then in subsequent years hold a different S03H permit. Likewise, individuals may enter and exit 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 2-7. New Entrants into the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2018**

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	378	16	4.2%	1990	565	80	14.2%	2005	476	55	11.6%
1976	457	79	17.3%	1991	564	52	9.2%	2006	400	26	6.5%
1977	506	69	13.6%	1992	567	45	7.9%	2007	417	24	5.8%
1978	550	86	15.6%	1993	574	38	6.6%	2008	435	34	7.8%
1979	557	73	13.1%	1994	559	45	8.1%	2009	422	30	7.1%
1980	526	62	11.8%	1995	569	52	9.1%	2010	415	46	11.1%
1981	552	67	12.1%	1996	551	39	7.1%	2011	495	67	13.5%
1982	556	60	10.8%	1997	567	44	7.8%	2012	530	57	10.8%
1983	558	73	13.1%	1998	522	42	8.0%	2013	544	65	11.9%
1984	558	51	9.1%	1999	488	31	6.4%	2014	534	45	8.4%
1985	562	51	9.1%	2000	510	32	6.3%	2015	521	44	8.4%
1986	565	65	11.5%	2001	468	26	5.6%	2016	509	41	8.1%
1987	568	41	7.2%	2002	409	22	5.4%	2017	438	14	3.2%
1988	565	29	5.1%	2003	418	24	5.7%	2018	419	23	5.5%
1989	10	1	10%	2004	438	36	8.2%				

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

**Figure 2-3. Rate of New Entrants into the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2018**





## Age of S03H Permit Holders

**Table 2-8. Mean Age of Select CFEC Permit Holders and the General Alaskan Population**

Year	Cook Inlet Drift Gillnet	Combined Cook Inlet	Statewide Salmon Drift Gillnet	Statewide All Permits	Mean AK Worker Age
1980	42.7	40.1	42.1	38.9	33.4
1981	42.8	40.0	41.9	39.9	33.5
1982	42.6	39.8	41.4	40.0	33.6
1983	42.5	39.8	41.4	40.2	33.7
1984	42.4	40.2	41.7	40.4	33.8
1985	43.0	40.6	41.9	40.8	34.0
1986	42.7	40.8	42.0	41.0	34.2
1987	43.0	41.2	42.3	40.9	34.5
1988	43.4	41.4	42.6	41.2	34.9
1989	43.5	42.0	42.8	41.5	35.3
1990	43.7	42.5	43.2	42.0	35.5
1991	44.1	42.9	43.7	42.5	35.9
1992	44.3	43.2	44.2	42.9	36.2
1993	44.7	43.7	44.7	43.5	36.5
1994	44.9	44.1	45.1	44.0	36.7
1995	45.0	44.4	45.3	44.4	37.0
1996	45.6	44.6	45.5	44.8	37.2
1997	45.5	45.0	46.0	45.1	37.4
1998	46.1	45.3	46.2	45.6	37.6
1999	47.0	45.7	46.7	46.0	37.8
2000	47.5	46.0	47.1	46.4	37.9
2001	48.1	46.3	47.6	46.9	38.1
2002	48.9	47.0	48.2	47.4	38.3
2003	49.0	47.2	48.5	47.9	38.4
2004	48.2	47.2	48.7	48.2	38.6
2005	48.2	46.7	48.5	48.4	38.7
2006	48.0	46.6	48.6	48.7	38.8
2007	48.7	46.3	48.3	48.9	38.9
2008	48.5	46.4	48.4	49.0	39.0
2009	48.8	46.4	48.4	49.3	39.1
2010	48.9	46.3	48.1	49.5	39.2
2011	48.0	46.6	48.0	49.6	39.4
2012	47.6	46.7	47.8	49.8	39.4
2013	47.1	46.4	47.7	50.0	39.5
2014	47.6	46.5	47.8	50.2	39.5
2015	47.8	46.8	48.1	50.6	39.5
2016	48.3	47.2	48.4	50.9	39.6
2017	49.7	47.3	48.7	51.3	39.6
2018	50.5	47.2	48.9	51.7	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 31<sup>st</sup> of each year.

Table 2-8 shows the annual mean age of five different cohorts of people: 1) Cook Inlet salmon drift gillnet (S03H) permit holders, 2) all three Cook Inlet salmon permit holders(S01H, S03H, and S04H), 3) statewide salmon drift gillnet permit holders, 4) all CFEC limited entry permit holders, and 5) the general Alaskan population. 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.

Between 1975 and 2018, the mean age of the general Alaskan population has increased 6.2 years, which represents an 18.5% increase. The percent change in ages over the same period for all CFEC permit holders increased by 32.9% (12.8 years), 16.1% (6.8 years) for the statewide drift gillnet permit holders, and 17.7% (7.1 years) for the combined Cook Inlet salmon permit holders. For S03H permit holders, the mean age increased 18.2% (7.8 years).

## S03H Permit Stacking

In 2002, the Alaska Legislature amended Alaska Statute 16.43.140 (c) to allow for individuals to hold two salmon permits. In 2006, the legislature passed House Bill 251 which allows the Alaska Board of Fisheries (BOF) the authority to grant fishing privileges to the second permit held by an individual. Since 2017, the BOF has allowed for stacked permit operations in the Cook Inlet set gillnet fishery.<sup>9</sup> A stacked permit operation is where an individual who holds two permits can fish up to two full complements of gear. A single permit operation is where an individual only holds one permit. Appendix B lists regulations covering dual permits and permit stacking.

Reporting on counts of stacked permit operations is not a simple task. Permits can change hands multiple times throughout the year. An individual may fish in a single permit operation at the beginning of season then fish as a stacked operation after acquiring a second permit midseason. An individual in a stacked permit operation might use an Emergency Transfer permit for part of the season, and then have a permanently held second permit for the rest of the season. Table 2-9 provides data on participation in stacked permit operations. Note that this table reports on individuals and not permits.

**Table 2-9. Cook Inlet Salmon Drift Gillnet Participation, Effort, and Earnings by Operation and Resident Type, 2017-2018**

Year	Residency	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-vessel Value	Individuals	Ex-vessel Value
2017	Local	Stacked	26	52	\$1,335,253	\$51,356	6.1%	11.0%
		Single	274	548	\$7,937,782	\$28,970	64.8%	65.2%
		Combined	300	600	\$9,273,035	\$30,910	70.9%	76.2%
	Nonlocal	Stacked	0	0	\$0	\$0	0.0%	0.0%
		Single	17	34	\$522,881	\$30,758	4.0%	4.3%
		Combined	17	34	\$522,881	\$30,758	4.0%	4.3%
	Nonresident	Stacked	8	16	\$365,872	\$45,734	1.9%	3.0%
		Single	98	196	\$2,014,225	\$20,553	23.2%	16.5%
		Combined	106	212	\$2,380,097	\$22,454	25.1%	19.5%
	<b>Total</b>	Stacked	34	68	\$1,701,125	\$50,033	8.0%	14.0%
Single		389	778	\$10,474,888	\$26,928	92.0%	86.0%	
Combined		423	846	\$12,176,013	\$28,785	100%	100%	
2018	Local	Stacked	47	94	\$1,246,700	\$26,526	11.9%	19.1%
		Single	225	450	\$3,303,814	\$14,684	57.0%	50.5%
		Combined	272	544	\$4,550,514	\$16,730	68.9%	69.6%
	Nonlocal	Stacked	1-3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	<b>Total</b>	Stacked	61	122	\$1,563,637	\$25,633	15.4%	23.9%
Single		334	668	\$4,977,035	\$14,901	84.6%	76.1%	
Combined		395	790	\$6,540,672	\$16,559	100%	100%	

<sup>9</sup> See 5 AAC 21.333(a)

## S03H Drift Gillnet Vessel Characteristics

Table 2-10 reports on various vessel characteristics of the Cook Inlet 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. Statistics reported include the count of vessels with the described characteristics, as well as 25<sup>th</sup> percentile, median, and 75<sup>th</sup> percentile for vessel age, length, weight, horsepower and capacity.

**Table 2-10. Cook Inlet 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%	Considered	Count	%	Count	25%	Median	75%
1978	605	553	2	8	15	565	29	32	33	552	160	200	265	495	10	0	311	150	250	360
1979	622	573	2	9	15	580	30	32	34	551	165	210	280	508	9	0	332	160	264	400
1980	578	537	3	7	15	544	30	32	34	517	170	210	290	489	10	0	315	170	270	400
1981	605	573	3	8	15	578	30	32	35	556	178	210	290	531	9	0	343	170	264	400
1982	588	555	4	9	16	557	30	32	34	537	175	215	290	528	10	0	341	170	264	400
1983	598	571	5	9	17	571	30	32	35	562	185	225	300	553	7	0	366	180	280	400
1984	609	562	6	10	17	560	30	32	35	557	185	235	310	554	5	0	365	180	300	400
1985	684	578	7	10	18	578	30	32	35	571	185	240	320	570	7	0	387	190	300	400
1986	658	590	8	11	18	591	31	32	35	588	185	250	330	578	4	0	410	200	300	400
1987	652	604	8	11	19	607	31	32	35	600	195	250	330	593	4	0	412	200	300	400
1988	657	608	9	11	19	609	32	32	36	601	200	260	340	589	7	0	410	200	300	400
1989	10	10	10	12	21	10	33	35	36	10	165	292	500	9	0	0	8	228	375	450
1990	625	605	8	12	20	604	32	34	37	599	210	300	375	580	6	0	401	216	320	450
1991	615	594	6	13	20	593	32	34	38	589	221	311	400	565	5	0	394	230	345	462
1992	642	597	6	14	21	596	32	34	38	592	223	320	404	571	8	0	403	250	350	500
1993	632	595	6	15	21	593	32	34	38	592	240	320	410	568	6	0	398	250	355	500
1994	565	519	7	16	21	519	32	35	38	516	228	320	425	494	7	0	346	250	361	500
1995	583	583	9	17	22	583	32	35	38	578	250	320	425	556	5	0	387	240	350	500
1996	563	563	10	18	23	563	32	35	38	561	250	320	425	537	5	0	368	240	350	480
1997	575	575	10	19	24	575	32	35	38	573	250	320	425	550	9	0	374	240	350	480
1998	527	527	11	20	25	527	32	35	38	527	250	320	425	506	4	0	336	240	350	480
1999	487	487	13	21	26	487	32	35	38	487	250	320	425	470	4	0	306	240	350	480
2000	510	510	14	22	27	510	32	35	38	510	250	320	425	490	5	0	333	227	350	480
2001	466	465	15	23	28	465	32	35	38	464	250	330	425	450	4	0	305	230	350	500
2002	409	409	16	24	31	409	32	35	38	408	250	320	420	398	3	0	262	240	354	490
2003	412	412	16	25	30	412	32	35	38	409	250	320	425	402	2	0	262	240	355	484
2004	435	435	17	26	31	435	32	35	38	430	250	320	425	423	5	0	274	240	360	500
2005	468	468	18	27	32	468	32	35	38	465	250	330	425	457	4	0	287	240	375	500
2006	396	396	20	28	33	396	32	35	38	395	250	320	420	389	4	0	249	250	375	500
2007	415	415	21	28	34	415	32	35	38	413	250	330	425	404	5	0	253	240	360	500
2008	415	415	21	29	35	415	32	35	38	412	250	330	425	403	4	0	251	240	375	500
2009	388	388	22	30	35	388	32	35	39	386	250	330	425	376	4	0	235	240	375	500
2010	353	353	23	31	36	353	32	35	39	349	250	330	420	344	3	0	216	240	377	500
2011	426	426	24	32	38	426	32	35	38	420	250	330	420	413	6	0	262	240	359	500
2012	460	460	24	33	38	460	32	35	38	452	260	330	425	445	11	0	271	240	350	500
2013	473	473	25	34	39	473	32	35	38	466	275	350	425	459	17	0	286	240	368	500
2014	479	479	26	35	40	479	32	35	38	470	270	350	425	463	14	0	289	240	350	500
2015	467	466	27	36	40	466	32	35	38	457	275	350	430	452	14	0	283	240	350	500
2016	453	453	28	37	41	453	32	35	38	444	270	350	430	439	10	0	278	240	350	490
2017	405	405	30	38	43	405	32	35	38	398	270	350	425	393	8	0	252	229	350	488
2018	387	387	30	39	43	387	32	35	38	379	275	350	430	374	8	0	237	240	350	500

- Counts represent the total number of vessels with the corresponding data. Not all vessels have data for each of the characteristics.

Table 2-11 provides additional Cook Inlet Salmon drift gillnet vessel characteristics. Included are statistics of engine propulsion and hull material for each year since 1978.

Table 2-11. Additional Cook Inlet Salmon Drift Gillnet Vessel Characteristics

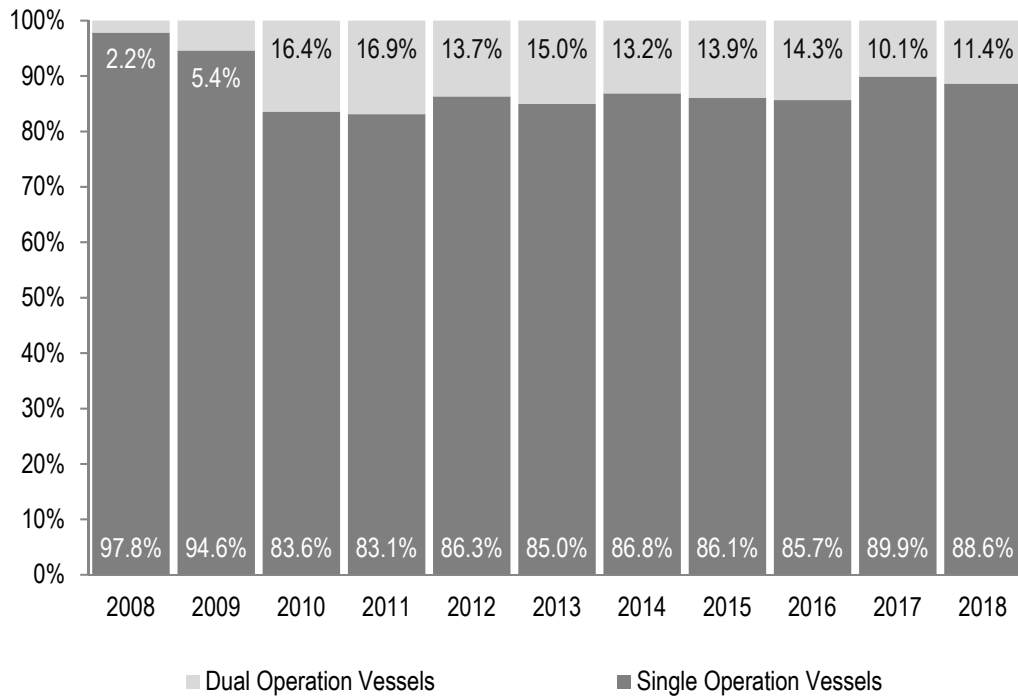
Year	Vessel Count	Engine Type					Hull Material								
		Count	Diesel		Gas	Count	Aluminum	Fiberglass	Steel	Wood					
1978	605	571	251	44.0%	320	56.0%	568	135	23.8%	255	44.9%	18	3.2%	160	28.2%
1979	622	584	276	47.3%	308	52.7%	578	142	24.6%	283	49.0%	15	2.6%	138	23.9%
1980	578	548	271	49.5%	277	50.5%	545	140	25.7%	278	51.0%	11	2.0%	115	21.1%
1981	605	582	312	53.6%	270	46.4%	579	143	24.7%	313	54.1%	9	1.6%	114	19.7%
1982	588	559	300	53.7%	259	46.3%	557	145	26.0%	302	54.2%	9	1.6%	101	18.1%
1983	598	573	322	56.2%	251	43.8%	575	152	26.4%	320	55.7%	10	1.7%	93	16.2%
1984	609	564	332	58.9%	232	41.1%	562	142	25.3%	334	59.4%	7	1.2%	79	14.1%
1985	684	579	343	59.2%	236	40.8%	578	151	26.1%	344	59.5%	8	1.4%	75	13.0%
1986	658	592	349	59.0%	243	41.0%	592	153	25.8%	359	60.6%	6	1.0%	74	12.5%
1987	652	606	368	60.7%	238	39.3%	608	154	25.3%	386	63.5%	5	0.8%	63	10.4%
1988	657	608	392	64.5%	216	35.5%	610	162	26.6%	387	63.4%	6	1.0%	55	9.0%
1989	10	10	6	60.0%	4	40.0%	10	4	40.0%	6	60.0%	0	0.0%	0	0.0%
1990	625	605	415	68.6%	190	31.4%	605	171	28.3%	394	65.1%	6	1.0%	34	5.6%
1991	615	593	421	71.0%	172	29.0%	593	169	28.5%	391	65.9%	4	0.7%	29	4.9%
1992	642	597	433	72.5%	164	27.5%	597	174	29.1%	395	66.2%	3	0.5%	25	4.2%
1993	632	595	437	73.4%	158	26.6%	594	165	27.8%	405	68.2%	3	0.5%	21	3.5%
1994	565	518	389	75.1%	129	24.9%	518	137	26.4%	360	69.5%	4	0.8%	16	3.1%
1995	583	582	428	73.5%	154	26.5%	583	161	27.6%	402	69.0%	2	0.3%	18	3.1%
1996	563	562	415	73.8%	147	26.2%	563	159	28.2%	386	68.6%	1	0.2%	17	3.0%
1997	575	573	422	73.6%	151	26.4%	575	168	29.2%	389	67.7%	0	0.0%	18	3.1%
1998	527	525	391	74.5%	134	25.5%	527	155	29.4%	358	67.9%	0	0.0%	14	2.7%
1999	487	485	362	74.6%	123	25.4%	487	145	29.8%	328	67.4%	1	0.2%	13	2.7%
2000	510	508	376	74.0%	132	26.0%	510	152	29.8%	348	68.2%	0	0.0%	10	2.0%
2001	466	463	342	73.9%	121	26.1%	465	141	30.3%	314	67.5%	0	0.0%	10	2.2%
2002	409	407	301	74.0%	106	26.0%	409	127	31.1%	276	67.5%	0	0.0%	6	1.5%
2003	412	410	310	75.6%	100	24.4%	412	122	29.6%	284	68.9%	0	0.0%	6	1.5%
2004	435	433	326	75.3%	107	24.7%	435	126	29.0%	302	69.4%	0	0.0%	7	1.6%
2005	468	466	356	76.4%	110	23.6%	468	139	29.7%	320	68.4%	0	0.0%	9	1.9%
2006	396	394	313	79.4%	81	20.6%	396	110	27.8%	280	70.7%	0	0.0%	6	1.5%
2007	415	411	319	77.6%	92	22.4%	415	120	28.9%	290	69.9%	1	0.2%	4	1.0%
2008	415	412	316	76.7%	96	23.3%	415	121	29.2%	292	70.4%	0	0.0%	2	0.5%
2009	388	386	306	79.3%	80	20.7%	388	100	25.8%	286	73.7%	0	0.0%	2	0.5%
2010	353	351	283	80.6%	68	19.4%	353	95	26.9%	255	72.2%	0	0.0%	3	0.8%
2011	426	423	330	78.0%	93	22.0%	425	119	28.0%	303	71.3%	0	0.0%	3	0.7%
2012	460	457	358	78.3%	99	21.7%	459	130	28.3%	327	71.2%	0	0.0%	2	0.4%
2013	473	470	371	78.9%	99	21.1%	472	129	27.3%	342	72.5%	0	0.0%	1	0.2%
2014	479	477	375	78.6%	102	21.4%	479	135	28.2%	343	71.6%	0	0.0%	1	0.2%
2015	467	465	365	78.5%	100	21.5%	466	131	28.1%	334	71.7%	0	0.0%	1	0.2%
2016	453	452	360	79.6%	92	20.4%	453	127	28.0%	326	72.0%	0	0.0%	0	0.0%
2017	405	404	325	80.4%	79	19.6%	405	112	27.7%	292	72.1%	0	0.0%	1	0.2%
2018	387	386	307	79.5%	79	20.5%	387	107	27.6%	278	71.8%	1	0.3%	1	0.3%

## S03H Dual Permit Operations

The Alaska Board of Fisheries (BOF) enacted 5 AAC 21.333 which allow for two Cook Inlet salmon drift gillnet permit holders to fish from a single vessel starting in 2008. Beginning in 2014, permit holders in dual permit operations were no longer required to register as a dual operation. However, dual participation is still documented on fish tickets. Appendix B lists regulations covering dual permits and permit stacking.

Figure 2-4 shows the percentage of landings for both single and dual permit operations by year between 2008 and 2018. Landings are defined as all landings made on a given day by a permit operation. Two permit holders made a commercial landing together as a dual permit operation were only counted as a single entity for that day. Some permit holders who participated in the fishery both as a single permit operation and part a dual permit operation had landings counted in both categories (on different days), depending how they were fishing the day the landing was made.

**Figure 2-4. Cook Inlet Drift Gillnet Permit Landings by Operation Type, 2008 – 2018**



In 2008, 2.2% of all landings were made by dual permit operations. Since 2010, the rate of landings made by dual permit operations has fluctuated between 10.1% and 16.9%.

Table 2-12 shows counts of dual permit operations utilizing either permanently transferred permits, or temporary emergency transfer permits, or both. If a permit was fished by a transferee and subsequently permanently transferred to that person in the same season, the permit was only counted as a permanent permit. Also, a dual permit operation sometimes re-forms with different permit holders and permits, so permit operation counts will not always compare to permit holder counts.

**Table 2-12. Use of Emergency Transfer Permits in S03H Dual Permit Operations**

Year	Both Permanent		One Permanent		Both ET		Total
	Count	Percent	Count	Percent	Count	Percent	
2008	7	77.8%	2	22.2%	0	0.0%	9
2009	17	81.0%	4	19.0%	0	0.0%	21
2010	45	76.3%	14	23.7%	0	0.0%	59
2011	54	78.3%	15	21.7%	0	0.0%	69
2012	52	83.9%	10	16.1%	0	0.0%	62
2013	53	77.9%	15	22.1%	0	0.0%	68
2014	56	87.5%	8	12.5%	0	0.0%	64
2015	54	88.5%	7	11.5%	0	0.0%	61
2016	51	83.6%	10	16.4%	0	0.0%	61
2017	33	91.7%	3	8.3%	0	0.0%	36
2018	36	92.3%	3	7.7%	0	0.0%	39

Table 2-13 reports on the resident type combinations of the individuals in dual permit operations with landings. Resident type is counted as the residency status of the permit holder at the end of the year. The percentages are for the entire resident type participating in the fishery as dual permit operations. Note that permit holders can regroup, thereby increasing the total count of dual permit operations.

**Table 2-13. Resident Type of Individuals in S03H Dual Permit Operations**

Year	Both Local		Both Nonlocal		Both Nonresident		Local/Nonlocal		Local/Nonresident		Nonlocal/Nonresident		Total Combinations
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	
2008	5	55.6%	0	0.0%	2	22.2%	0	0.0%	2	22.2%	0	0.0%	9
2009	18	85.7%	1	4.8%	1	4.8%	0	0.0%	0	0.0%	1	4.8%	21
2010	45	76.3%	2	3.4%	4	6.8%	1	1.7%	7	11.9%	0	0.0%	59
2011	54	78.3%	2	2.9%	6	8.7%	0	0.0%	6	8.7%	1	1.4%	69
2012	40	64.5%	2	3.2%	10	16.1%	1	1.6%	9	14.5%	0	0.0%	62
2013	38	55.9%	1	1.5%	12	17.6%	2	2.9%	13	19.1%	2	2.9%	68
2014	41	64.1%	3	4.7%	8	12.5%	2	3.1%	9	14.1%	1	1.6%	64
2015	35	57.4%	2	3.3%	6	9.8%	1	1.6%	15	24.6%	2	3.3%	61
2016	34	55.7%	2	3.3%	6	9.8%	3	4.9%	14	23.0%	2	3.3%	61
2017	23	63.9%	2	5.6%	7	19.4%	1	2.8%	3	8.3%	0	0.0%	36
2018	26	66.7%	2	5.1%	4	10.3%	3	7.7%	3	7.7%	1	2.6%	39

Table 2-14 reports earnings by resident type of permit holders and their operation type. Individuals that participated at any time in a dual permit operation are categorized as that type. Note that earnings are averaged not by permits but are for individual permit holders. Table 2-12 counts dual permit operations, while Tables 2-13 and 2-14 count individuals.

Table 2-14. Earnings of S03H Permit Holders by Resident and Operation Type

Year	Residency	Operation Type	Permit Holders with Landings	Total Gross Earnings	Average Gross Earnings	Percent of Total	
						Permit Holders with Landings	Gross Earnings
2008	Local	Dual	12	\$234,046	\$19,504	2.8%	2.6%
		Single	284	\$6,280,979	\$22,116	65.3%	68.8%
		Combined	296	\$6,515,025	\$22,010	68.0%	71.4%
	Nonlocal	Dual	0	\$0	\$0	0.0%	0.0%
		Single	12	\$233,444	\$19,454	2.8%	2.6%
		Combined	12	\$233,444	\$19,454	2.8%	2.6%
	Nonresident	Dual	6	\$41,787	\$6,965	1.4%	0.5%
		Single	121	\$2,333,685	\$19,287	27.8%	25.6%
		Combined	127	\$2,375,472	\$18,705	29.2%	26.0%
	<b>Total</b>	<b>Dual</b>	<b>18</b>	<b>\$275,833</b>	<b>\$15,324</b>	<b>4.1%</b>	<b>3.0%</b>
		<b>Single</b>	<b>417</b>	<b>\$8,848,108</b>	<b>\$21,218</b>	<b>95.9%</b>	<b>97.0%</b>
		<b>Combined</b>	<b>435</b>	<b>\$9,123,942</b>	<b>\$20,975</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Dual	36	\$803,382	\$22,316	8.5%	8.4%
		Single	258	\$6,168,780	\$23,910	61.1%	64.3%
		Combined	294	\$6,972,163	\$23,715	69.7%	72.6%
	Nonlocal	Dual	1-3	**	**	**	**
		Single	12	\$274,999	\$22,917	2.8%	2.9%
		Combined	15	\$315,801	\$21,053	3.6%	3.3%
	Nonresident	Dual	1-3	**	**	**	**
		Single	110	\$2,237,471	\$20,341	26.1%	23.3%
		Combined	113	\$2,312,362	\$20,463	26.8%	24.1%
	<b>Total</b>	<b>Dual</b>	<b>42</b>	<b>\$919,077</b>	<b>\$21,883</b>	<b>10.0%</b>	<b>9.6%</b>
		<b>Single</b>	<b>380</b>	<b>\$8,681,249</b>	<b>\$22,845</b>	<b>90.0%</b>	<b>90.4%</b>
		<b>Combined</b>	<b>422</b>	<b>\$9,600,326</b>	<b>\$22,750</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Dual	91	\$4,201,917	\$46,175	21.9%	18.9%
		Single	201	\$11,591,020	\$57,667	48.4%	52.2%
		Combined	292	\$15,792,937	\$54,085	70.4%	71.1%
	Nonlocal	Dual	5	\$208,596	\$41,719	1.2%	0.9%
		Single	11	\$618,692	\$56,245	2.7%	2.8%
		Combined	16	\$827,288	\$51,705	3.9%	3.7%
	Nonresident	Dual	15	\$599,285	\$39,952	3.6%	2.7%
		Single	92	\$5,006,424	\$54,418	22.2%	22.5%
		Combined	107	\$5,605,710	\$52,390	25.8%	25.2%
	<b>Total</b>	<b>Dual</b>	<b>111</b>	<b>\$5,009,798</b>	<b>\$45,133</b>	<b>26.7%</b>	<b>22.5%</b>
		<b>Single</b>	<b>304</b>	<b>\$17,216,136</b>	<b>\$56,632</b>	<b>73.3%</b>	<b>77.5%</b>
		<b>Combined</b>	<b>415</b>	<b>\$22,225,934</b>	<b>\$53,556</b>	<b>100.0%</b>	<b>100.0%</b>
2011	Local	Dual	106	\$6,616,809	\$62,423	21.4%	19.5%
		Single	239	\$16,765,334	\$70,148	48.3%	49.4%
		Combined	345	\$23,382,143	\$67,774	69.7%	68.9%
	Nonlocal	Dual	5	\$370,230	\$74,046	1.0%	1.1%
		Single	9	\$721,378	\$80,153	1.8%	2.1%
		Combined	14	\$1,091,608	\$77,972	2.8%	3.2%
	Nonresident	Dual	19	\$951,525	\$50,080	3.8%	2.8%
		Single	117	\$8,486,760	\$72,536	23.6%	25.0%
		Combined	136	\$9,438,285	\$69,399	27.5%	27.8%
	<b>Total</b>	<b>Dual</b>	<b>130</b>	<b>\$7,938,564</b>	<b>\$61,066</b>	<b>26.3%</b>	<b>23.4%</b>
		<b>Single</b>	<b>365</b>	<b>\$25,973,472</b>	<b>\$71,160</b>	<b>73.7%</b>	<b>76.6%</b>
		<b>Combined</b>	<b>495</b>	<b>\$33,912,036</b>	<b>\$68,509</b>	<b>100.0%</b>	<b>100.0%</b>

Cook Inlet Salmon Drift Gillnet (S03H)

Year	Residency	Operation Type	Permit Holders with Landings	Total Gross Earnings	Average Gross Earnings	Percent of Total	
						Permit Holders with Landings	Gross Earnings
2012	Local	Dual	84	\$4,870,723	\$57,985	15.8%	14.6%
		Single	279	\$18,075,385	\$64,786	52.6%	54.1%
		Combined	363	\$22,946,108	\$63,212	68.5%	68.7%
	Nonlocal	Dual	5	\$219,452	\$43,890	0.9%	0.7%
		Single	16	\$1,106,682	\$69,168	3.0%	3.3%
		Combined	21	\$1,326,134	\$63,149	4.0%	4.0%
	Nonresident	Dual	28	\$1,350,605	\$48,236	5.3%	4.0%
		Single	118	\$7,785,842	\$65,982	22.3%	23.3%
		Combined	146	\$9,136,446	\$62,578	27.5%	27.3%
<b>Total</b>	<b>Dual</b>	<b>117</b>	<b>\$6,440,780</b>	<b>\$55,049</b>	<b>22.1%</b>	<b>19.3%</b>	
	<b>Single</b>	<b>413</b>	<b>\$26,967,908</b>	<b>\$65,298</b>	<b>77.9%</b>	<b>80.7%</b>	
	<b>Combined</b>	<b>530</b>	<b>\$33,408,688</b>	<b>\$63,035</b>	<b>100.0%</b>	<b>100.0%</b>	
2013	Local	Dual	88	\$4,184,738	\$47,554	16.2%	15.4%
		Single	285	\$15,083,374	\$52,924	52.4%	55.5%
		Combined	373	\$19,268,112	\$51,657	68.6%	70.8%
	Nonlocal	Dual	6	\$300,365	\$50,061	1.1%	1.1%
		Single	20	\$965,054	\$48,253	3.7%	3.5%
		Combined	26	\$1,265,419	\$48,670	4.8%	4.7%
	Nonresident	Dual	37	\$1,241,101	\$33,543	6.8%	4.6%
		Single	108	\$5,421,444	\$50,199	19.9%	19.9%
		Combined	145	\$6,662,545	\$45,949	26.7%	24.5%
<b>Total</b>	<b>Dual</b>	<b>131</b>	<b>\$5,726,204</b>	<b>\$43,711</b>	<b>24.1%</b>	<b>21.1%</b>	
	<b>Single</b>	<b>413</b>	<b>\$21,469,873</b>	<b>\$51,985</b>	<b>75.9%</b>	<b>78.9%</b>	
	<b>Combined</b>	<b>544</b>	<b>\$27,196,076</b>	<b>\$49,993</b>	<b>100.0%</b>	<b>100.0%</b>	
2014	Local	Dual	84	\$3,392,477	\$40,387	15.7%	14.6%
		Single	289	\$13,032,919	\$45,097	54.0%	56.1%
		Combined	373	\$16,425,396	\$44,036	69.7%	70.7%
	Nonlocal	Dual	7	\$328,875	\$46,982	1.3%	1.4%
		Single	17	\$724,691	\$42,629	3.2%	3.1%
		Combined	24	\$1,053,566	\$43,899	4.5%	4.5%
	Nonresident	Dual	23	\$782,915	\$34,040	4.3%	3.4%
		Single	114	\$4,964,706	\$43,550	21.3%	21.4%
		Combined	137	\$5,747,621	\$41,953	25.6%	24.7%
<b>Total</b>	<b>Dual</b>	<b>115</b>	<b>\$4,504,267</b>	<b>\$39,168</b>	<b>21.5%</b>	<b>19.4%</b>	
	<b>Single</b>	<b>420</b>	<b>\$18,722,316</b>	<b>\$44,577</b>	<b>78.5%</b>	<b>80.6%</b>	
	<b>Combined</b>	<b>535</b>	<b>\$23,226,583</b>	<b>\$43,414</b>	<b>100.0%</b>	<b>100.0%</b>	
2015	Local	Dual	84	\$1,680,413	\$20,005	16.1%	16.0%
		Single	275	\$6,076,781	\$22,097	52.8%	57.8%
		Combined	359	\$7,757,194	\$21,608	68.9%	73.8%
	Nonlocal	Dual	7	\$157,675	\$22,525	1.3%	1.5%
		Single	16	\$324,695	\$20,293	3.1%	3.1%
		Combined	23	\$482,369	\$20,973	4.4%	4.6%
	Nonresident	Dual	27	\$301,080	\$11,151	5.2%	2.9%
		Single	112	\$1,966,569	\$17,559	21.5%	18.7%
		Combined	139	\$2,267,648	\$16,314	26.7%	21.6%
<b>Total</b>	<b>Dual</b>	<b>118</b>	<b>\$2,139,168</b>	<b>\$18,129</b>	<b>22.6%</b>	<b>20.4%</b>	
	<b>Single</b>	<b>403</b>	<b>\$8,368,044</b>	<b>\$20,764</b>	<b>77.4%</b>	<b>79.6%</b>	
	<b>Combined</b>	<b>521</b>	<b>\$10,507,212</b>	<b>\$20,167</b>	<b>100.0%</b>	<b>100.0%</b>	



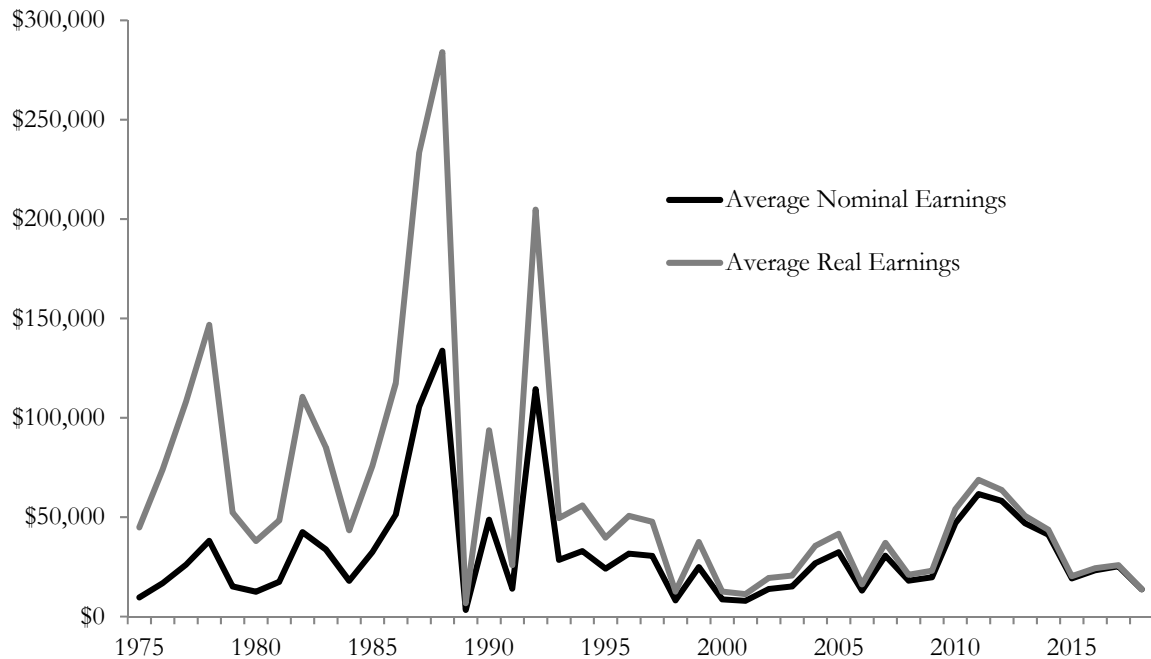
Cook Inlet Salmon Drift Gillnet (S03H)

Year	Residency	Operation Type	Permit Holders with Landings	Total Gross Earnings	Average Gross Earnings	Percent of Total	
						Permit Holders with Landings	Gross Earnings
2016	Local	Dual	81	\$1,984,035	\$24,494	15.9%	16.2%
		Single	275	\$6,881,851	\$25,025	54.0%	56.1%
		Combined	356	\$8,865,886	\$24,904	69.9%	72.3%
	Nonlocal	Dual	9	\$268,081	\$29,787	1.8%	2.2%
		Single	16	\$354,899	\$22,181	3.1%	2.9%
		Combined	25	\$622,980	\$24,919	4.9%	5.1%
	Nonresident	Dual	28	\$327,071	\$11,681	5.5%	2.7%
		Single	100	\$2,445,675	\$24,457	19.6%	19.9%
		Combined	128	\$2,772,746	\$21,662	25.1%	22.6%
<b>Total</b>	<b>Dual</b>	<b>118</b>	<b>\$2,579,188</b>	<b>\$21,858</b>	<b>23.2%</b>	<b>21.0%</b>	
	<b>Single</b>	<b>391</b>	<b>\$9,682,425</b>	<b>\$24,763</b>	<b>76.8%</b>	<b>79.0%</b>	
	<b>Combined</b>	<b>509</b>	<b>\$12,261,613</b>	<b>\$24,090</b>	<b>100.0%</b>	<b>100.0%</b>	
2017	Local	Dual	50	\$1,324,833	\$26,497	11.4%	10.9%
		Single	263	\$7,948,202	\$30,221	60.0%	65.3%
		Combined	313	\$9,273,035	\$29,626	71.5%	76.2%
	Nonlocal	Dual	5	\$133,782	\$26,756	1.1%	1.1%
		Single	12	\$389,099	\$32,425	2.7%	3.2%
		Combined	17	\$522,881	\$30,758	3.9%	4.3%
	Nonresident	Dual	16	\$207,740	\$12,984	3.7%	1.7%
		Single	92	\$2,172,358	\$23,613	21.0%	17.8%
		Combined	108	\$2,380,097	\$22,038	24.7%	19.5%
<b>Total</b>	<b>Dual</b>	<b>71</b>	<b>\$1,666,354</b>	<b>\$23,470</b>	<b>16.2%</b>	<b>13.7%</b>	
	<b>Single</b>	<b>367</b>	<b>\$10,509,659</b>	<b>\$28,637</b>	<b>83.8%</b>	<b>86.3%</b>	
	<b>Combined</b>	<b>438</b>	<b>\$12,176,013</b>	<b>\$27,799</b>	<b>100.0%</b>	<b>100.0%</b>	
2018	Local	Dual	57	\$656,488	\$11,517	13.6%	10.0%
		Single	232	\$3,894,026	\$16,785	55.4%	59.5%
		Combined	289	\$4,550,514	\$15,746	69.0%	69.6%
	Nonlocal	Dual	7	\$73,035	\$10,434	1.7%	1.1%
		Single	18	\$271,311	\$15,073	4.3%	4.1%
		Combined	25	\$344,346	\$13,774	6.0%	5.3%
	Nonresident	Dual	12	\$187,805	\$15,650	2.9%	2.9%
		Single	93	\$1,458,007	\$15,677	22.2%	22.3%
		Combined	105	\$1,645,812	\$15,674	25.1%	25.2%
<b>Total</b>	<b>Dual</b>	<b>76</b>	<b>\$917,328</b>	<b>\$12,070</b>	<b>18.1%</b>	<b>14.0%</b>	
	<b>Single</b>	<b>343</b>	<b>\$5,623,344</b>	<b>\$16,395</b>	<b>81.9%</b>	<b>86.0%</b>	
	<b>Combined</b>	<b>419</b>	<b>\$6,540,672</b>	<b>\$15,610</b>	<b>100.0%</b>	<b>100.0%</b>	

## S03H Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices largely come from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings are shown in Figure 2-5 for both nominal and real (inflation-adjusted) dollars using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics. 2018 ex-vessel values are preliminary and only include information from ADF&G fish tickets. 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 Cook Inlet drift gillnet fishery was in 2005. Some individuals made landings on both an interim-entry permit and subsequently on their adjudicated permanent permit in the same year; for these instances, only the permanent permit is counted.

**Figure 2-5. Estimated Nominal and Real Average Gross Earnings per Cook Inlet Salmon Drift Gillnet Permit**



• Real earnings are adjusted for inflation using the 2018 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 2-15 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type. Table 2-16 shows the number of permit holders and earnings by resident type. Table 2-17 aggregates participation and earnings by district.

**Table 2-15. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet Salmon Drift Gillnet 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	636	\$4,461,123	\$20,821,921	464	\$44,875	534	\$38,992
1976	584	\$8,569,607	\$37,818,774	511	\$74,009	563	\$67,174
1977	572	\$13,853,810	\$57,405,754	531	\$108,109	685	\$83,804
1978	589	\$22,033,557	\$84,858,594	578	\$146,814	605	\$140,262
1979	599	\$8,954,115	\$30,970,262	592	\$52,315	622	\$49,791
1980	598	\$6,894,765	\$21,011,210	553	\$37,995	578	\$36,352
1981	599	\$10,227,361	\$28,252,607	584	\$48,378	605	\$46,699
1982	592	\$24,514,672	\$63,790,733	577	\$110,556	588	\$108,488
1983	588	\$19,592,016	\$49,394,501	580	\$85,163	598	\$82,600
1984	588	\$10,381,576	\$25,090,342	578	\$43,409	609	\$41,199
1985	591	\$18,975,346	\$44,282,921	584	\$75,827	684	\$64,741
1986	588	\$29,948,905	\$68,616,603	584	\$117,494	658	\$104,281
1987	586	\$61,784,789	\$136,572,121	585	\$233,457	652	\$209,466
1988	585	\$78,128,882	\$165,838,624	584	\$283,970	657	\$252,418
1989	585	\$33,363	\$67,561	10	\$6,756	10	\$6,756
1990	585	\$28,384,895	\$54,534,399	582	\$93,702	625	\$87,255
1991	584	\$8,099,133	\$14,932,078	578	\$25,834	615	\$24,280
1992	583	\$66,362,059	\$118,773,896	580	\$204,783	642	\$185,006
1993	583	\$16,537,133	\$28,737,646	580	\$49,548	632	\$45,471
1994	583	\$18,766,136	\$31,796,951	569	\$55,882	565	\$56,278
1995	582	\$13,912,083	\$22,922,713	577	\$39,727	583	\$39,319
1996	583	\$17,736,374	\$28,385,773	560	\$50,689	563	\$50,419
1997	581	\$17,448,194	\$27,298,215	572	\$47,724	575	\$47,475
1998	581	\$4,303,378	\$6,629,499	528	\$12,556	527	\$12,580
1999	576	\$12,134,809	\$18,290,128	487	\$37,557	487	\$37,557
2000	576	\$4,438,593	\$6,472,484	513	\$12,617	510	\$12,691
2001	574	\$3,711,269	\$5,262,144	467	\$11,268	466	\$11,292
2002	572	\$5,686,049	\$7,936,668	409	\$19,405	409	\$19,405
2003	572	\$6,329,162	\$8,637,483	418	\$20,664	412	\$20,965
2004	571	\$11,798,178	\$15,683,457	440	\$35,644	435	\$36,054
2005	571	\$15,251,702	\$19,609,878	471	\$41,635	468	\$41,901
2006	570	\$5,159,160	\$6,426,097	396	\$16,228	396	\$16,228
2007	571	\$12,759,634	\$15,452,891	417	\$37,057	415	\$37,236
2008	571	\$7,823,008	\$9,123,942	433	\$21,071	415	\$21,985
2009	570	\$8,202,181	\$9,600,326	416	\$23,078	388	\$24,743
2010	569	\$19,300,530	\$22,225,934	411	\$54,078	353	\$62,963
2011	569	\$30,378,044	\$33,912,036	493	\$68,787	426	\$79,606
2012	569	\$30,546,478	\$33,408,688	525	\$63,636	460	\$72,628
2013	569	\$25,230,345	\$27,196,076	538	\$50,550	473	\$57,497
2014	571	\$21,897,312	\$23,226,583	532	\$43,659	479	\$48,490
2015	569	\$9,917,636	\$10,507,212	518	\$20,284	467	\$22,499
2016	569	\$11,719,597	\$12,261,613	504	\$24,329	453	\$27,068
2017	569	\$11,885,707	\$12,176,013	470	\$25,906	405	\$30,064
2018	568	\$6,540,672	\$6,540,672	478	\$13,683	387	\$16,901

- Adjusted for inflation to 2018 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 2-16. Estimated Real Gross Earnings for Permit Holders  
in the Cook Inlet Salmon Drift Gillnet Fishery by Resident Type, 1975-2018**

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	237	\$38,132	\$9,037,354	5	\$54,547	\$272,736	123	\$60,338	\$7,421,517	366	\$56,890	\$20,821,921
1976	329	\$62,292	\$20,494,168	8	\$75,333	\$602,663	174	\$94,798	\$16,494,925	512	\$73,865	\$37,818,774
1977	347	\$103,297	\$35,844,223	9	\$90,432	\$813,890	176	\$116,964	\$20,585,752	533	\$107,703	\$57,405,754
1978	389	\$137,573	\$53,516,020	13	\$133,299	\$1,732,887	186	\$157,892	\$29,367,984	589	\$144,072	\$84,858,594
1979	403	\$48,632	\$19,598,801	11	\$49,843	\$548,268	189	\$57,266	\$10,823,193	603	\$51,360	\$30,970,262
1980	368	\$35,116	\$12,922,646	11	\$35,044	\$385,482	184	\$41,865	\$7,703,082	563	\$37,320	\$21,011,210
1981	399	\$46,731	\$18,645,611	13	\$44,834	\$582,844	182	\$49,583	\$9,024,153	594	\$47,563	\$28,252,607
1982	405	\$105,197	\$42,604,774	12	\$106,926	\$1,283,114	174	\$114,384	\$19,902,846	591	\$107,937	\$63,790,733
1983	406	\$82,777	\$33,607,589	15	\$81,760	\$1,226,403	168	\$86,670	\$14,560,509	589	\$83,862	\$49,394,501
1984	410	\$43,392	\$17,790,534	17	\$40,251	\$684,269	163	\$40,586	\$6,615,539	590	\$42,526	\$25,090,342
1985	416	\$74,496	\$30,990,337	12	\$70,198	\$842,374	166	\$75,001	\$12,450,210	594	\$74,550	\$44,282,921
1986	403	\$117,447	\$47,331,038	17	\$116,253	\$1,976,303	171	\$112,392	\$19,219,083	592	\$115,906	\$68,616,603
1987	411	\$227,102	\$93,338,801	17	\$218,795	\$3,719,517	166	\$237,084	\$39,355,882	595	\$229,533	\$136,572,121
1988	410	\$280,910	\$115,173,054	18	\$292,251	\$5,260,509	161	\$282,019	\$45,405,061	589	\$281,560	\$165,838,624
1989	**	\$6,469	\$51,752	1-3	**	**	1-3	**	**	10	\$6,756	\$67,561
1990	388	\$92,950	\$36,064,529	21	\$88,911	\$1,867,141	179	\$92,753	\$16,602,729	588	\$92,746	\$54,534,399
1991	395	\$26,829	\$10,597,563	17	\$24,275	\$412,683	172	\$22,730	\$3,909,585	585	\$25,525	\$14,932,078
1992	386	\$204,736	\$79,028,136	20	\$196,163	\$3,923,251	184	\$194,688	\$35,822,509	590	\$201,312	\$118,773,896
1993	383	\$48,762	\$18,675,738	22	\$44,108	\$970,375	188	\$48,359	\$9,091,533	593	\$48,461	\$28,737,646
1994	371	\$57,164	\$21,207,987	21	\$50,701	\$1,064,711	186	\$51,206	\$9,524,253	578	\$55,012	\$31,796,951
1995	375	\$40,461	\$15,173,007	19	\$34,390	\$653,413	193	\$36,768	\$7,096,292	587	\$39,051	\$22,922,713
1996	365	\$50,991	\$18,611,611	21	\$44,306	\$930,416	178	\$49,684	\$8,843,746	564	\$50,329	\$28,385,773
1997	373	\$47,492	\$17,714,519	20	\$32,177	\$643,531	186	\$47,681	\$8,868,655	580	\$47,066	\$27,298,215
1998	353	\$12,935	\$4,566,079	13	\$8,729	\$113,474	166	\$11,747	\$1,949,946	532	\$12,461	\$6,629,499
1999	331	\$38,379	\$12,703,413	13	\$29,488	\$383,339	149	\$34,922	\$5,203,376	493	\$37,100	\$18,290,128
2000	340	\$12,641	\$4,297,955	14	\$10,092	\$141,294	162	\$12,551	\$2,033,235	516	\$12,544	\$6,472,484
2001	315	\$11,033	\$3,475,288	12	\$8,126	\$97,514	143	\$11,814	\$1,689,342	470	\$11,196	\$5,262,144
2002	275	\$19,971	\$5,491,919	12	\$15,347	\$184,159	123	\$18,379	\$2,260,590	410	\$19,358	\$7,936,668
2003	284	\$20,965	\$5,954,140	14	\$19,647	\$275,060	121	\$19,903	\$2,408,282	419	\$20,615	\$8,637,483
2004	299	\$37,351	\$11,168,021	13	\$33,531	\$435,900	128	\$31,871	\$4,079,536	440	\$35,644	\$15,683,457
2005	319	\$42,464	\$13,546,133	27	\$43,522	\$1,175,107	131	\$37,318	\$4,888,639	477	\$41,111	\$19,609,878
2006	281	\$17,234	\$4,842,667	17	\$24,223	\$411,788	102	\$11,487	\$1,171,641	400	\$16,065	\$6,426,097
2007	282	\$37,918	\$10,692,810	15	\$39,627	\$594,398	120	\$34,714	\$4,165,684	417	\$37,057	\$15,452,891
2008	292	\$22,312	\$6,515,025	12	\$19,454	\$233,444	124	\$19,157	\$2,375,472	428	\$21,318	\$9,123,942
2009	284	\$24,550	\$6,972,163	14	\$22,557	\$315,801	112	\$20,646	\$2,312,362	410	\$23,415	\$9,600,326
2010	263	\$60,049	\$15,792,937	14	\$59,092	\$827,288	103	\$54,424	\$5,605,710	380	\$58,489	\$22,225,934
2011	322	\$72,615	\$23,382,143	13	\$83,970	\$1,091,608	128	\$73,737	\$9,438,285	463	\$73,244	\$33,912,036
2012	341	\$67,291	\$22,946,108	19	\$69,797	\$1,326,134	140	\$65,260	\$9,136,446	500	\$66,817	\$33,408,688
2013	343	\$56,175	\$19,268,112	25	\$50,617	\$1,265,419	132	\$50,474	\$6,662,545	500	\$54,392	\$27,196,076
2014	348	\$47,199	\$16,425,396	22	\$47,889	\$1,053,566	130	\$44,212	\$5,747,621	500	\$46,453	\$23,226,583
2015	341	\$22,748	\$7,757,194	22	\$21,926	\$482,369	132	\$17,179	\$2,267,648	495	\$21,227	\$10,507,212
2016	331	\$26,785	\$8,865,886	24	\$25,958	\$622,980	117	\$23,699	\$2,772,746	472	\$25,978	\$12,261,613
2017	300	\$30,910	\$9,273,035	17	\$30,758	\$522,881	106	\$22,454	\$2,380,097	423	\$28,785	\$12,176,013
2018	272	\$16,730	\$4,550,514	22	\$15,652	\$344,346	101	\$16,295	\$1,645,812	395	\$16,559	\$6,540,672

- Adjusted for inflation to 2018 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 2-17. Gross Real Earnings for the Cook Inlet Salmon Drift Gillnet Fishery by ADF&G Salmon District, 1975 to 2018**

Year	Chinitna		East Side		Kustatan		Other Districts		Total	Total Earnings
	Permits	Real* Value	Permits	Real* Value	Permits	Real* Value	Permits	Real* Value	Permits	
1975	39	\$241,946	450	\$16,949,493	388	\$3,616,099	6	\$14,383	464	\$20,821,921
1976	33	\$394,779	507	\$32,417,780	375	\$5,006,214	0	\$0	511	\$37,818,774
1977	50	\$803,843	526	\$49,684,426	419	\$6,869,169	1-3	**	**	\$57,405,754
1978	46	\$524,686	578	\$78,657,646	306	\$5,676,262	0	\$0	578	\$84,858,594
1979	33	\$407,361	587	\$25,487,988	499	\$5,074,913	0	\$0	592	\$30,970,262
1980	22	\$176,149	550	\$18,313,002	367	\$2,522,059	0	\$0	553	\$21,011,210
1981	21	\$152,362	583	\$24,083,929	414	\$4,016,317	0	\$0	584	\$28,252,607
1982	37	\$371,435	576	\$55,349,763	455	\$8,050,720	5	\$18,816	577	\$63,790,733
1983	37	\$118,364	579	\$44,842,676	484	\$4,433,461	0	\$0	580	\$49,394,501
1984	51	\$282,938	577	\$16,771,496	530	\$8,032,493	1-3	**	**	\$25,090,342
1985	50	\$337,257	583	\$34,826,700	522	\$9,118,964	0	\$0	584	\$44,282,921
1986	45	\$85,068	583	\$54,247,561	546	\$14,283,974	0	\$0	584	\$68,616,603
1987	35	\$111,480	585	\$114,307,203	542	\$22,153,438	0	\$0	585	\$136,572,121
1988	62	\$417,643	584	\$151,664,532	449	\$13,756,449	0	\$0	584	\$165,838,624
1989	5	\$8,941	5	\$58,620	0	-	0	\$0	10	\$67,561
1990	29	\$19,479	582	\$47,918,979	503	\$6,595,941	0	\$0	582	\$54,534,399
1991	1-3	**	578	\$11,418,262	323	\$3,510,584	0	\$0	**	\$14,932,078
1992	10	\$18,412	580	\$109,552,999	477	\$9,202,485	0	\$0	580	\$118,773,896
1993	4	\$1,787	580	\$26,406,307	411	\$2,329,551	0	\$0	580	\$28,737,646
1994	12	\$26,240	568	\$29,419,923	320	\$2,350,787	0	\$0	569	\$31,796,951
1995	19	\$56,523	577	\$19,511,542	408	\$3,354,647	0	\$0	577	\$22,922,713
1996	0	\$0	560	\$23,529,109	392	\$4,856,664	0	\$0	560	\$28,385,773
1997	0	\$0	572	\$25,789,355	285	\$1,508,860	0	\$0	572	\$27,298,215
1998	0	\$0	524	\$5,446,911	292	\$1,182,588	0	\$0	528	\$6,629,499
1999	0	\$0	487	\$14,217,590	348	\$4,072,538	0	\$0	487	\$18,290,128
2000	0	\$0	512	\$5,479,651	351	\$992,833	0	\$0	513	\$6,472,484
2001	0	\$0	465	\$4,550,470	291	\$711,674	0	\$0	467	\$5,262,144
2002	0	\$0	409	\$7,549,042	98	\$387,627	0	\$0	409	\$7,936,668
2003	0	\$0	418	\$8,637,483	0	-	0	\$0	418	\$8,637,483
2004	0	\$0	440	\$15,683,457	0	-	0	\$0	440	\$15,683,457
2005	0	\$0	471	\$19,609,878	0	-	0	\$0	471	\$19,609,878
2006	6	\$10,824	396	\$6,415,273	0	-	0	\$0	396	\$6,426,097
2007	1-3	**	417	**	0	-	0	\$0	**	\$15,452,891
2008	10	\$14,788	433	\$9,109,153	0	-	0	\$0	433	\$9,123,942
2009	8	\$22,207	416	\$9,578,119	0	-	0	\$0	416	\$9,600,326
2010	6	\$7,891	411	\$22,218,043	0	-	0	\$0	411	\$22,225,934
2011	4	\$2,639	492	\$33,909,397	0	-	0	\$0	493	\$33,912,036
2012	1-3	**	525	\$33,403,675	0	-	0	\$0	**	\$33,408,688
2013	8	\$21,842	538	\$27,174,235	0	-	0	\$0	538	\$27,196,076
2014	1-3	**	532	\$23,212,939	0	-	0	\$0	**	\$23,226,583
2015	16	\$22,609	518	\$10,484,603	0	-	0	\$0	518	\$10,507,212
2016	17	\$29,200	504	\$12,232,412	0	-	0	\$0	504	\$12,261,613
2017	43	\$208,009	470	\$11,968,004	0	-	0	\$0	470	\$12,176,013
2018	22	\$18,631	478	\$6,522,041	0	-	0	\$0	478	\$6,540,672

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits were used to record landings in more than one district.
- Data is masked for confidentiality when fewer than four individuals are included in the count.

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## Chapter 3 - Cook Inlet Salmon Set Gillnet Fishery (S04H)

### S04H Permit Holdings

Limited entry permits for the Cook Inlet salmon set gillnet fishery (S04H permits) were issued starting in 1975. Table 3-1 shows the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 746 S04H permits. Of this total, Alaska Locals received 87% (649) of the permits, Nonlocal Alaskans received 5.5% (41) and Nonresidents received 7.5% (56) of the permits. Every permit issued was a transferable permit.

**Table 3-1. Initial Issuance and Year-end 2018 Totals of Cook Inlet Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type**

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 YEAR-END	
Residency	Total	Percent	Change	Percent Change from Initial	Change	Percent Change from Initial	Change	Percent Change from Initial	Total	Percent
Local	649	87.0%	1	0.2%	-46	-7.1%	-11	-1.7%	593	80.7%
Nonlocal	41	5.5%	-22	-53.7%	-3	-7.3%	0	0.0%	16	2.2%
Nonresident	56	7.5%	21	37.5%	49	87.5%	0	0.0%	126	17.1%
<b>Total</b>	<b>746</b>	<b>100.0%</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>-11</b>	<b>-1.5%</b>	<b>735</b>	<b>100.0%</b>

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. Migrations have had the largest impact on the changes. Each of the permits cancelled were due to nonpayment.

## Transfers of S04H 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.<sup>10</sup> 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 Cook Inlet Salmon Set Gillnet Permits, 1980-2018**

Acquisition Method	Cook Inlet Salmon Set Gillnet		Combined Cook Inlet		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	1,278	48.1%	2,116	42.7%	7,028	56.5%	14,202	36.7%
Sale	1,254	47.2%	2,583	52.2%	4,849	39.0%	22,761	58.8%
Trade	21	0.8%	56	1.1%	97	0.8%	523	1.4%
Other	106	4.0%	195	3.9%	472	3.8%	1,238	3.2%
<b>Total</b>	<b>2,659</b>		<b>4,950</b>		<b>12,446</b>		<b>38,724</b>	

Table 3-2 shows the transfer acquisition methods for the S04H permits, combined Cook Inlet Salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2018. Almost half of all S04H transfers were gifts (48.1% or 1,278/2,659), just under half were sales (47.2% or 1,254/2,659), and a smaller percentage were trades (0.8% or 21/2,659) or other (4.0% or 106/2,659). The annual acquisition methods for S04H permits can be viewed in a different publication.<sup>11</sup>

**Table 3-3. Relationships of Transferor to Transfer Recipients among Cook Inlet Salmon Set Gillnet Permits, 1980-2018**

Relationship	Cook Inlet Salmon Set Gillnet		Combined Cook Inlet		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	637	24.0%	983	19.9%	2,413	19.4%	7,169	18.5%
Member of Immediate Family	948	35.7%	1,775	35.9%	6,017	48.3%	13,096	33.8%
Other Relative	201	7.6%	320	6.5%	880	7.1%	1,769	4.6%
Other	873	32.8%	1,872	37.8%	3,136	25.2%	16,690	43.1%
<b>Total</b>	<b>2,659</b>		<b>4,950</b>		<b>12,446</b>		<b>38,724</b>	

Table 3-3 shows the relationships between the transferors and transfer recipients for S04H permits and compares S04H permit transfers with the combined Cook Inlet Salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2018. Transfers within the family, both between immediate family members and other relatives, total 43.2% (1,149/2,659) of all permit transfers for S04H permits compared to 42.3% (2,095/4,950) combined Cook Inlet Salmon permit types, 55.4% (6,897/12,446) for all salmon set gillnet permits statewide, and 38.4% (14,865/38,742) for all limited entry permits statewide.

<sup>10</sup> CFEC implemented the transfer survey in 1980.

<sup>11</sup> See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2017*, CFEC Report No. 18-2N.



## S04H Permit Value

Many permit transfers are non-monetary transactions (see Table 3-2). Table 3-4 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 3-4. CFEC Estimated Value of Cook Inlet Salmon Set Gillnet Permits**

Year	S04H Permit Sales	Nominal		Real	
		Permit Value	Std. Dev.	Permit Value	Std. Dev.
1983	11	\$55,420	-	\$139,722	-
1984	9	\$50,374	-	\$121,745	-
1985	7	\$50,313	-	\$117,416	-
1986	7	\$56,357	-	\$129,121	-
1987	9	\$62,063	-	\$137,187	-
1988	3	\$85,542	-	\$181,574	-
1989	1	\$79,156	-	\$160,295	-
1990	3	\$121,667	-	\$233,752	-
1991	3	\$130,000	\$30,150	\$239,676	\$55,586
1992	7	\$101,400	\$14,350	\$181,484	\$25,683
1993	9	\$129,400	\$24,300	\$224,867	\$42,228
1994	3	\$107,900	\$26,750	\$182,824	\$45,325
1995	10	\$109,300	\$12,150	\$180,092	\$20,019
1996	2	\$106,300	\$7,500	\$170,125	\$12,003
1997	9	\$97,200	\$14,600	\$152,072	\$22,842
1998	4	\$78,800	\$8,550	\$121,394	\$13,172
1999	2	\$86,300	\$16,000	\$130,075	\$24,116
2000	4	\$88,900	\$4,100	\$129,637	\$5,979
2001	2	\$73,300	\$22,800	\$103,931	\$32,328
2002	4	\$62,600	\$27,500	\$87,378	\$38,385
2003	4	\$50,500	\$15,400	\$68,918	\$21,017
2004	3	\$38,100	\$8,100	\$50,647	\$10,767
2005	8	\$50,500	\$8,550	\$64,930	\$10,993
2006	5	\$56,800	\$4,500	\$70,748	\$5,605
2007	2	\$57,400	\$6,150	\$69,516	\$7,448
2008	4	\$51,300	\$7,500	\$59,831	\$8,747
2009	1	\$51,300	\$7,500	\$60,045	\$8,778
2010	6	\$49,600	\$5,550	\$57,118	\$6,391
2011	5	\$54,000	\$4,200	\$60,282	\$4,689
2012	2	\$55,000	-	\$60,154	-
2013	3	\$55,600	\$3,150	\$59,932	\$3,395
2014	0	\$55,600	\$3,150	\$58,975	\$3,341
2015	2	\$55,600	\$3,150	\$58,905	\$3,337
2016	2	\$56,500	\$2,400	\$59,113	\$2,511
2017	4	\$56,800	\$1,550	\$58,187	\$1,588
2018	1	\$55,800	\$1,800	\$55,800	\$1,800

- 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 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S04H 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 each year, ET permits automatically revert to the permanent permit holder.

Table 3-5 shows 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 3-5. Use of Emergency Transfer Permits in the Cook Inlet Set Gillnet 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	526	22	4.2%	1990	673	20	3.0%	2005	501	13	2.6%
1976	551	15	2.7%	1991	655	25	3.8%	2006	483	13	2.7%
1977	549	14	2.6%	1992	662	18	2.7%	2007	487	16	3.3%
1978	609	9	1.5%	1993	646	13	2.0%	2008	487	10	2.1%
1979	616	16	2.6%	1994	621	11	1.8%	2009	473	15	3.2%
1980	596	16	2.7%	1995	628	16	2.5%	2010	489	13	2.7%
1981	602	10	1.7%	1996	609	21	3.4%	2011	511	17	3.3%
1982	603	10	1.7%	1997	606	19	3.1%	2012	424	9	2.1%
1983	630	9	1.4%	1998	560	9	1.6%	2013	446	14	3.1%
1984	622	12	1.9%	1999	557	14	2.5%	2014	456	11	2.4%
1985	625	10	1.6%	2000	534	13	2.4%	2015	471	20	4.2%
1986	655	17	2.6%	2001	506	16	3.2%	2016	463	16	3.5%
1987	657	18	2.7%	2002	498	19	3.8%	2017	448	14	3.1%
1988	660	10	1.5%	2003	472	13	2.8%	2018	431	13	3.0%
1989	668	18	2.7%	2004	483	12	2.5%				

## Latent S04H Permits

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

Table 3-6 shows the total number of viable S04H 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.

In some cases, it's difficult to accurately count the number of latent permits. For example, 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,<sup>12</sup> 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.<sup>13</sup> 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.

**Table 3-6. Cook Inlet Salmon Set Gillnet Permit Latency, 1975-2018**

Year	Total Fishery Permits	Permits With Landings	Latency Rate	Permit Landings and/or DNR Lease	Latency Rate
1975	759	522	31.2%	549	27.7%
1976	717	549	23.4%	567	20.9%
1977	733	547	25.4%	567	22.6%
1978	746	604	19.0%	621	16.8%
1979	749	609	18.7%	623	16.8%
1980	747	593	20.6%	615	17.7%
1981	747	600	19.7%	623	16.6%
1982	748	602	19.5%	626	16.3%
1983	745	626	16.0%	652	12.5%
1984	744	620	16.7%	646	13.2%
1985	745	625	16.1%	654	12.2%
1986	743	645	13.2%	672	9.6%
1987	743	650	12.5%	675	9.2%
1988	743	655	11.8%	689	7.3%
1989	743	658	11.4%	685	7.8%
1990	743	662	10.9%	695	6.5%
1991	745	648	13.0%	687	7.8%
1992	745	654	12.2%	691	7.2%
1993	745	641	14.0%	692	7.1%
1994	745	617	17.2%	672	9.8%
1995	745	625	16.1%	687	7.8%
1996	745	604	18.9%	677	9.1%
1997	745	603	19.1%	668	10.3%
1998	745	559	25.0%	640	14.1%
1999	745	556	25.4%	646	13.3%
2000	745	533	28.5%	629	15.6%
2001	744	505	32.1%	609	18.1%
2002	743	496	33.2%	589	20.7%
2003	742	472	36.4%	572	22.9%
2004	739	481	34.9%	576	22.1%
2005	737	499	32.3%	590	19.9%
2006	738	482	34.7%	578	21.7%
2007	738	483	34.6%	571	22.6%
2008	738	484	34.4%	573	22.4%
2009	738	472	36.0%	565	23.4%
2010	736	488	33.7%	571	22.4%
2011	736	543	26.2%	608	17.4%
2012	736	457	37.9%	561	23.8%
2013	736	493	33.0%	580	21.2%
2014	735	513	30.2%	585	20.4%
2015	734	529	27.9%	592	19.3%
2016	735	528	28.2%	591	19.6%
2017	735	518	29.5%	585	20.4%
2018	735	512	30.3%	581	21.0%

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

<sup>12</sup> See AS 16.05.680 (b) and AS 16.05.690 (b).

<sup>13</sup> See 11 AAC 64.180.

## New Entrants into the Cook Inlet Salmon Set Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S04H permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

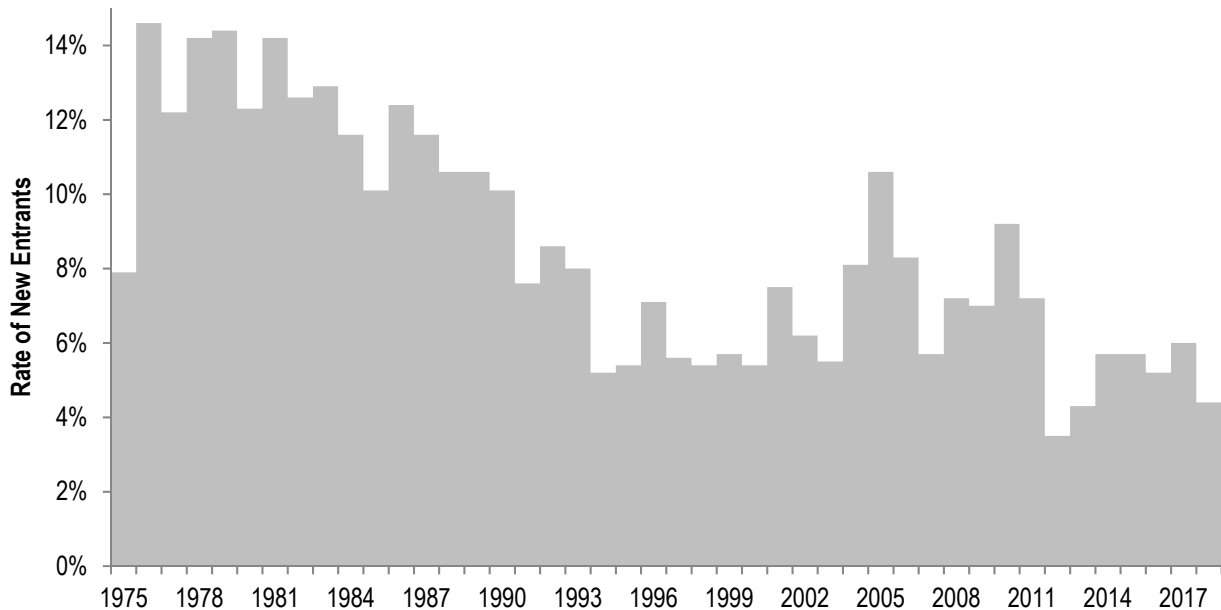
Table 3-7 and Figure 3-1 describe individuals rather than permits. An individual may hold up to two permits in this fishery but can only fish one of them. An individual may hold one S04H permit one year, and then in subsequent years hold a different S04H permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

**Table 3-7. New Entrants into the Cook Inlet Salmon Set Gillnet 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	340	27	7.9%	1986	655	81	12.4%	1997	606	34	5.6%	2008	487	35	7.2%
1976	547	80	14.6%	1987	657	76	11.6%	1998	560	30	5.4%	2009	473	33	7.0%
1977	548	67	12.2%	1988	660	70	10.6%	1999	557	32	5.7%	2010	489	45	9.2%
1978	606	86	14.2%	1989	668	71	10.6%	2000	534	29	5.4%	2011	511	37	7.2%
1979	613	88	14.4%	1990	673	68	10.1%	2001	506	38	7.5%	2012	424	15	3.5%
1980	594	73	12.3%	1991	655	50	7.6%	2002	498	31	6.2%	2013	446	19	4.3%
1981	600	85	14.2%	1992	662	57	8.6%	2003	472	26	5.5%	2014	456	26	5.7%
1982	601	76	12.6%	1993	646	52	8.0%	2004	483	39	8.1%	2015	471	27	5.7%
1983	629	81	12.9%	1994	621	32	5.2%	2005	501	53	10.6%	2016	463	24	5.2%
1984	621	72	11.6%	1995	628	34	5.4%	2006	483	40	8.3%	2017	448	27	6.0%
1985	624	63	10.1%	1996	609	43	7.1%	2007	487	28	5.7%	2018	431	19	4.4%

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

**Figure 3-1. New Entrants into the Cook Inlet Salmon Set Gillnet Fishery, 1975-2018**



## Age of S04H Permit Holders

**Table 3-8. Mean Age of Select CFEC Permit Holders and the General Alaskan Population**

Year	Cook Inlet Set Gillnet	Combined Cook Inlet	Statewide Salmon Set Gillnet	Statewide All Permits	Mean AK Worker Age
1980	37.4	40.1	37.9	38.9	33.4
1981	37.7	40.0	38.0	39.9	33.5
1982	38.2	39.8	38.2	40.0	33.6
1983	38.6	39.8	38.0	40.2	33.7
1984	38.6	40.2	38.2	40.4	33.8
1985	38.9	40.6	38.5	40.8	34.0
1986	39.4	40.8	38.8	41.0	34.2
1987	39.6	41.2	39.0	40.9	34.5
1988	39.8	41.4	39.3	41.2	34.9
1989	40.6	42.0	39.9	41.5	35.3
1990	40.4	42.5	40.0	42.0	35.5
1991	41.0	42.9	40.5	42.5	35.9
1992	41.3	43.2	40.8	42.9	36.2
1993	42.1	43.7	41.2	43.5	36.5
1994	42.3	44.1	41.5	44.0	36.7
1995	42.8	44.4	41.9	44.4	37.0
1996	43.5	44.6	42.3	44.8	37.2
1997	43.9	45.0	42.6	45.1	37.4
1998	44.5	45.3	43.1	45.6	37.6
1999	44.7	45.7	43.4	46.0	37.8
2000	45.3	46.0	43.7	46.4	37.9
2001	45.7	46.3	44.1	46.9	38.1
2002	46.3	47.0	44.8	47.4	38.3
2003	46.6	47.2	45.2	47.9	38.4
2004	46.8	47.2	45.4	48.2	38.6
2005	46.5	46.7	45.4	48.4	38.7
2006	47.2	46.6	45.6	48.7	38.8
2007	47.5	46.3	45.9	48.9	38.9
2008	47.4	46.4	45.9	49.0	39.0
2009	47.8	46.4	46.1	49.3	39.1
2010	47.7	46.3	46.3	49.5	39.2
2011	48.1	46.6	46.6	49.6	39.4
2012	48.8	46.7	47.0	49.8	39.4
2013	50.0	46.4	47.0	50.0	39.5
2014	49.8	46.5	47.2	50.2	39.5
2015	50.3	46.8	47.6	50.6	39.5
2016	50.7	47.2	48.0	50.9	39.6
2017	50.7	47.3	48.2	51.3	39.6
2018	51.0	47.2	48.4	51.7	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 31<sup>st</sup> of each year.

Table 3-8 shows the annual mean age of five different cohorts of people: 1) Cook Inlet Salmon set gillnet (S04H) permit holders; 2) combined Cook Inlet 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.

Between 1980 and 2018, the mean age of the general Alaskan worker age population has increased 6.2 years, which represents an 18.5% increase. The percent change in ages over the same period for all CFEC permit holders was 32.9% (12.8 years), 27.7% (10.5 years) for the statewide set gillnet permit holders, and 17.7% (7.1 years) for the combined Cook Inlet Salmon permit holders. For S04H permit holders, the mean age increased 36.3% (13.6 years).

## S04H Permit Stacking

Table 3-9 provides data on upper Cook Inlet participation in stacked permit operations. Note that this table reports on individuals and not permits. Earnings are adjusted for inflation using the U.S. Bureau of Labor Statistics 2018 Consumer Price Index. Appendix B lists regulations covering dual permits and permit stacking.

**Table 3-9. Upper Cook Inlet Salmon Set Gillnet Participation, Effort, and Earnings by Operation and Resident Type, 2011-2018**

Year	Residency	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-Vessel Value	Individuals	Ex-vessel Percentage	
2011	Local	Stacked	27	54	\$2,278,297	\$84,381	5.3%	10.1%	
		Single	376	752	\$15,931,372	\$42,371	73.6%	70.9%	
		Combined	403	806	\$18,209,669	\$45,185	78.9%	81.1%	
	Nonlocal	Stacked	1-3	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Total	Stacked	38	76	\$2,994,943	\$78,814	7.4%	13.3%	
		Single	473	946	\$19,462,127	\$41,146	92.6%	86.7%	
		Combined	511	1022	\$22,457,071	\$43,947	100%	100%	
2012	Local	Stacked	45	90	\$367,415	\$8,165	10.6%	13.2%	
		Single	302	604	\$1,925,999	\$6,377	71.2%	69.4%	
		Combined	347	694	\$2,293,415	\$6,609	81.8%	82.7%	
	Nonlocal	Stacked	1-3	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Total	Stacked	63	126	\$436,992	\$6,936	14.9%	15.8%	
		Single	361	722	\$2,337,551	\$6,475	85.1%	84.2%	
		Combined	424	848	\$2,774,543	\$6,544	100%	100%	
2013	Local	Stacked	54	108	\$3,309,238	\$61,282	12.1%	21.5%	
		Single	320	640	\$9,319,602	\$29,124	71.7%	60.6%	
		Combined	374	748	\$12,628,840	\$33,767	83.9%	82.2%	
	Nonlocal	Stacked	17	34	\$796,733	\$46,867	3.8%	5.2%	
		Single	21	42	\$799,392	\$38,066	4.7%	5.2%	
		Combined	21	42	\$799,392	\$38,066	4.7%	5.2%	
	Nonresident	Stacked	0	0	\$0	\$0	0%	0%	
		Single	34	68	\$1,144,509	\$33,662	7.6%	7.4%	
		Combined	51	102	\$1,941,242	\$38,064	11.4%	12.6%	
	Total	Stacked	71	142	\$4,105,971	\$57,831	15.9%	26.7%	
		Single	375	750	\$11,263,503	\$30,036	84.1%	73.3%	
		Combined	446	892	\$15,369,474	\$34,461	100%	100%	
2014	Local	Stacked	56	112	\$2,777,167	\$49,592	12.3%	23.6%	
		Single	322	644	\$6,835,506	\$21,228	70.6%	58.1%	
		Combined	378	756	\$9,612,673	\$25,430	82.9%	81.8%	
	Nonlocal	Stacked	1-3	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**	**
		Single	**	**	**	**	**	**	**
		Combined	**	**	**	**	**	**	**
	Total	Stacked	78	156	\$3,690,436	\$47,313	17.1%	31.4%	
		Single	378	756	\$8,067,669	\$21,343	82.9%	68.6%	
		Combined	456	912	\$11,758,105	\$25,785	100%	100%	

Cook Inlet Salmon Set Gillnet (S04H)

Year	Residency	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-Vessel Value	Individuals	Ex-vessel Percentage
2015	Local	Stacked	61	122	\$3,450,220	\$56,561	13.0%	23.8%
		Single	329	658	\$7,977,569	\$24,248	69.9%	55.0%
		Combined	390	780	\$11,427,789	\$29,302	82.8%	78.7%
	Nonlocal	Stacked	1-3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Total	Stacked	82	164	\$4,746,545	\$57,885	17.4%	32.7%
		Single	389	778	\$9,766,542	\$25,107	82.6%	67.3%
		Combined	471	942	\$14,513,086	\$30,813	100%	100%
2016	Local	Stacked	64	128	\$2,217,896	\$34,655	13.8%	19.8%
		Single	314	628	\$6,190,918	\$19,716	67.8%	55.2%
		Combined	378	756	\$8,408,814	\$22,246	81.6%	75.0%
	Nonlocal	Stacked	1-3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Total	Stacked	88	176	\$3,287,719	\$37,360	19.0%	29.3%
		Single	375	750	\$7,928,512	\$21,143	81.0%	70.7%
		Combined	463	926	\$11,216,231	\$24,225	100%	100%
2017	Local	Stacked	74	148	\$3,947,214	\$53,341	16.5%	32.4%
		Single	303	606	\$6,150,470	\$20,299	67.6%	50.6%
		Combined	377	754	\$10,097,684	\$26,784	84.2%	83.0%
	Nonlocal	Stacked	1-3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Total	Stacked	95	190	\$5,066,569	\$53,332	21.2%	41.7%
		Single	353	706	\$7,097,746	\$20,107	78.8%	58.3%
		Combined	448	896	\$12,164,315	\$27,152	100%	100%
2018	Local	Stacked	85	170	\$2,269,893	\$26,705	19.7%	39.0%
		Single	274	548	\$2,551,749	\$9,313	63.6%	43.9%
		Combined	359	718	\$4,821,643	\$13,431	83.3%	82.9%
	Nonlocal	Stacked	1-3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Total	Stacked	108	216	\$2,890,838	\$26,767	25.1%	49.7%
		Single	323	646	\$2,928,394	\$9,066	74.9%	50.3%
		Combined	431	862	\$5,819,232	\$13,502	100%	100%

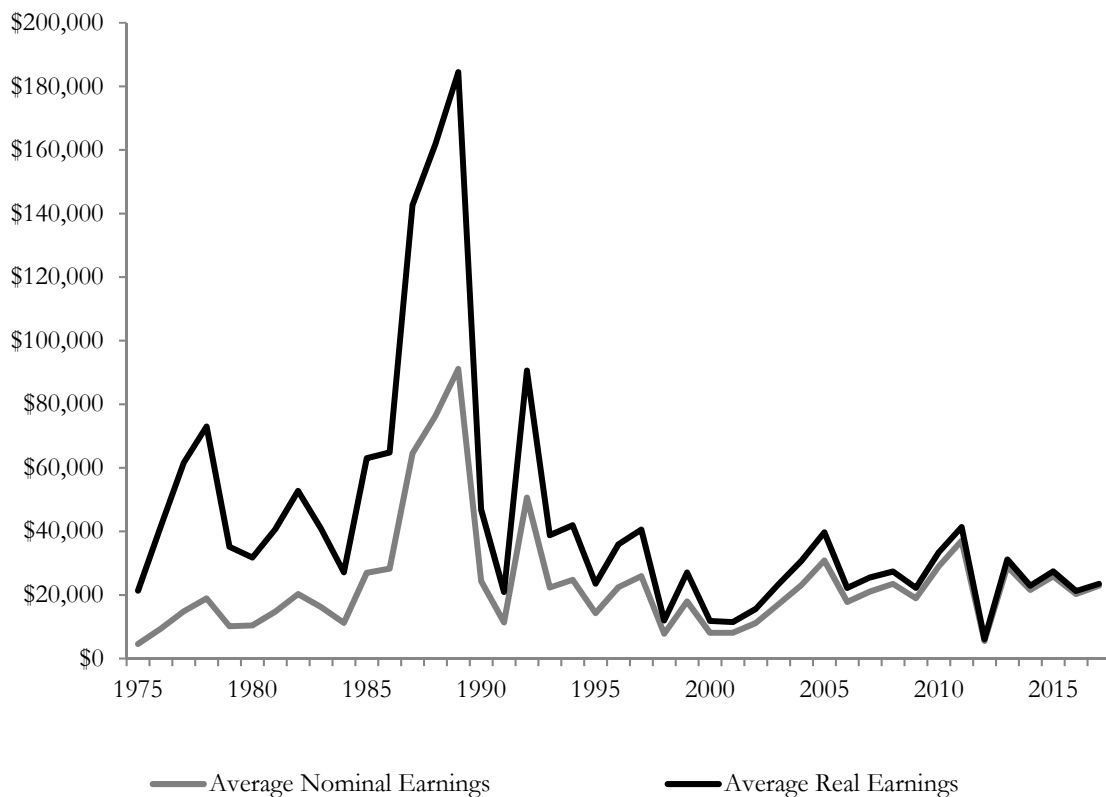
- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Data is masked due to confidentiality when fewer than four individuals participate in a fishery. Also masked are any values that would allow someone to calculate the counts using other figures in the same table.

## S04H 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 4-3 reflect both nominal and real dollars using the 2018 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 Cook Inlet Salmon set gillnet fishery was in 1997. Some individuals made landings on both an interim-entry permit and a permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

**Figure 3-2. Estimated Nominal and Real Average Gross Earnings Per Cook Inlet Salmon Set Gillnet Permit**



- Real earnings are adjusted for inflation using the 2018 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 3-10 reports the number of permits issued, and permits with landings, and estimated gross earnings in the Cook Inlet salmon set gillnet fishery from 1975 to 2018. Note that the figures by permit or vessel in this table span the entire year, regardless of who held the permit or however many times the permit was transferred. Table 3-11 reports the number of permit holders and estimated gross earnings by each resident type. Table 3-12 provides permit counts and gross earnings by Cook Inlet district.



**Table 3-10. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet Salmon Set Gillnet Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2018**

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings
		Nominal	Real		
1975	759	\$2,387,223	\$11,142,164	522	\$21,345
1976	717	\$5,177,213	\$22,847,707	549	\$41,617
1977	733	\$8,128,637	\$33,682,468	547	\$61,577
1978	746	\$11,445,025	\$44,078,619	604	\$72,978
1979	749	\$6,187,673	\$21,401,762	609	\$35,142
1980	747	\$6,175,824	\$18,820,299	593	\$31,737
1981	747	\$8,835,161	\$24,406,721	600	\$40,678
1982	748	\$12,203,219	\$31,754,547	602	\$52,748
1983	745	\$10,160,167	\$25,615,353	626	\$40,919
1984	744	\$6,962,581	\$16,827,264	620	\$27,141
1985	745	\$16,870,880	\$39,371,711	625	\$62,995
1986	743	\$18,258,204	\$41,831,777	645	\$64,855
1987	743	\$41,946,286	\$92,720,123	650	\$142,646
1988	743	\$49,936,893	\$105,997,493	655	\$161,828
1989	743	\$59,943,096	\$121,388,154	658	\$184,480
1990	743	\$16,129,521	\$30,988,796	662	\$46,811
1991	745	\$7,361,601	\$13,572,317	648	\$20,945
1992	745	\$33,100,968	\$59,243,654	654	\$90,587
1993	745	\$14,317,093	\$24,879,739	641	\$38,814
1994	745	\$15,272,678	\$25,877,709	617	\$41,941
1995	745	\$8,936,995	\$14,725,341	625	\$23,561
1996	745	\$13,570,507	\$21,718,605	604	\$35,958
1997	745	\$15,637,913	\$24,465,978	603	\$40,574
1998	745	\$4,351,636	\$6,703,842	559	\$11,993
1999	745	\$9,993,704	\$15,062,959	556	\$27,092
2000	745	\$4,319,800	\$6,299,257	533	\$11,818
2001	744	\$4,081,429	\$5,786,988	505	\$11,459
2002	743	\$5,547,596	\$7,743,414	496	\$15,612
2003	742	\$8,086,607	\$11,035,890	472	\$23,381
2004	739	\$11,120,261	\$14,782,294	481	\$30,732
2005	737	\$15,406,920	\$19,809,450	499	\$39,698
2006	738	\$8,591,257	\$10,701,016	482	\$22,201
2007	738	\$10,181,085	\$12,330,071	483	\$25,528
2008	738	\$11,368,513	\$13,259,050	484	\$27,395
2009	738	\$8,963,165	\$10,491,027	472	\$22,227
2010	736	\$14,160,033	\$16,306,286	488	\$33,415
2011	736	\$20,116,813	\$22,457,077	543	\$41,357
2012	736	\$2,536,840	\$2,774,543	457	\$6,071
2013	736	\$14,258,569	\$15,369,474	493	\$31,175
2014	735	\$11,085,182	\$11,758,105	513	\$22,920
2015	734	\$13,698,735	\$14,513,086	529	\$27,435
2016	735	\$10,720,426	\$11,216,231	528	\$21,243
2017	735	\$11,874,288	\$12,164,315	518	\$23,483
2018	735	\$5,819,232	\$5,819,232	512	\$11,366

- Adjusted for inflation to 2018 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 3-11. Estimated Real Gross Earnings for Permit Holders in the Cook Inlet Salmon Set Gillnet Fishery by Resident Type, 1975-2018**

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	466	\$20,385	\$9,499,308	27	\$26,212	\$707,720	33	\$28,337	\$935,136	526	\$21,183	\$11,142,164
1976	499	\$40,597	\$20,257,999	25	\$26,954	\$673,858	27	\$70,957	\$1,915,849	551	\$41,466	\$22,847,707
1977	496	\$59,811	\$29,666,254	23	\$37,037	\$851,847	30	\$105,479	\$3,164,368	549	\$61,352	\$33,682,468
1978	541	\$68,941	\$37,297,235	30	\$48,912	\$1,467,348	38	\$139,843	\$5,314,036	609	\$72,379	\$44,078,619
1979	545	\$34,970	\$19,058,724	36	\$34,682	\$1,248,568	35	\$31,271	\$1,094,470	616	\$34,743	\$21,401,762
1980	533	\$31,719	\$16,906,392	29	\$20,987	\$608,627	34	\$38,391	\$1,305,280	596	\$31,578	\$18,820,299
1981	531	\$41,377	\$21,971,147	26	\$23,273	\$605,102	45	\$40,677	\$1,830,472	602	\$40,543	\$24,406,721
1982	538	\$51,727	\$27,828,915	25	\$28,378	\$709,445	40	\$80,405	\$3,216,186	603	\$52,661	\$31,754,547
1983	550	\$40,157	\$22,086,458	28	\$25,249	\$706,980	52	\$54,268	\$2,821,915	630	\$40,659	\$25,615,353
1984	543	\$26,645	\$14,468,179	22	\$33,301	\$732,629	57	\$28,534	\$1,626,457	622	\$27,053	\$16,872,264
1985	547	\$60,964	\$33,347,393	18	\$59,483	\$1,070,697	60	\$82,560	\$4,953,621	625	\$62,995	\$39,371,711
1986	572	\$63,226	\$36,165,461	18	\$42,946	\$773,031	65	\$75,281	\$4,893,285	655	\$63,865	\$41,831,777
1987	575	\$137,227	\$78,905,793	20	\$78,616	\$1,572,322	62	\$197,452	\$12,242,008	657	\$141,127	\$92,720,123
1988	569	\$158,048	\$89,929,117	18	\$90,761	\$1,633,693	73	\$197,735	\$14,434,683	660	\$160,602	\$105,997,493
1989	570	\$182,276	\$103,897,077	17	\$53,813	\$914,813	81	\$204,645	\$16,576,264	668	\$181,719	\$121,388,154
1990	580	\$45,930	\$26,639,249	17	\$20,569	\$349,681	76	\$52,630	\$3,999,866	673	\$46,046	\$30,988,796
1991	557	\$21,282	\$11,853,806	21	\$15,410	\$323,617	77	\$18,116	\$1,394,894	655	\$20,721	\$13,572,317
1992	549	\$89,015	\$48,869,321	23	\$51,482	\$1,184,082	90	\$102,114	\$9,190,251	662	\$89,492	\$59,243,654
1993	531	\$37,036	\$19,666,182	21	\$27,318	\$573,670	94	\$49,360	\$4,639,887	646	\$38,514	\$24,879,739
1994	507	\$41,205	\$20,891,042	14	\$23,983	\$335,757	100	\$46,509	\$4,650,910	621	\$41,671	\$25,877,709
1995	514	\$23,284	\$11,968,013	17	\$16,938	\$287,940	97	\$25,458	\$2,469,389	628	\$23,448	\$14,725,341
1996	492	\$36,501	\$17,958,642	20	\$22,291	\$445,811	97	\$34,167	\$3,314,152	609	\$35,663	\$21,718,605
1997	492	\$40,044	\$19,701,545	21	\$23,248	\$488,216	93	\$45,981	\$4,276,216	606	\$40,373	\$24,465,978
1998	445	\$12,308	\$5,476,971	21	\$8,597	\$180,544	94	\$11,131	\$1,046,327	560	\$11,971	\$6,703,842
1999	449	\$26,965	\$12,107,422	16	\$26,602	\$425,629	92	\$27,499	\$2,529,908	557	\$27,043	\$15,062,959
2000	430	\$11,632	\$5,001,734	16	\$14,760	\$236,158	88	\$12,061	\$1,061,364	534	\$11,796	\$6,299,257
2001	405	\$12,109	\$4,904,318	14	\$6,318	\$88,449	87	\$9,129	\$794,221	506	\$11,437	\$5,786,988
2002	408	\$15,693	\$6,402,670	13	\$9,483	\$123,284	77	\$15,811	\$1,217,460	498	\$15,549	\$7,743,414
2003	392	\$23,710	\$9,294,392	17	\$8,936	\$151,911	63	\$25,232	\$1,589,587	472	\$23,381	\$11,035,890
2004	390	\$31,432	\$12,258,560	18	\$17,994	\$323,886	75	\$29,331	\$2,199,848	483	\$30,605	\$14,782,294
2005	398	\$40,611	\$16,163,015	16	\$17,211	\$275,378	87	\$38,748	\$3,371,057	501	\$39,540	\$19,809,450
2006	391	\$22,355	\$8,740,672	16	\$15,063	\$241,014	76	\$22,623	\$1,719,329	483	\$22,155	\$10,701,016
2007	388	\$26,622	\$10,329,273	14	\$16,386	\$229,402	85	\$20,840	\$1,771,396	487	\$25,318	\$12,330,071
2008	395	\$27,802	\$10,981,684	16	\$11,578	\$185,249	76	\$27,528	\$2,092,117	487	\$27,226	\$13,259,050
2009	389	\$22,307	\$8,677,526	15	\$14,563	\$218,450	69	\$23,117	\$1,595,051	473	\$22,180	\$10,491,027
2010	394	\$33,809	\$13,320,842	19	\$42,535	\$808,158	76	\$28,648	\$2,177,285	489	\$33,346	\$16,306,286
2011	403	\$45,185	\$18,209,675	22	\$53,978	\$1,187,507	86	\$35,580	\$3,059,895	511	\$43,947	\$22,457,077
2012	347	\$6,609	\$2,293,415	19	\$10,488	\$199,277	58	\$4,860	\$281,851	424	\$6,544	\$2,774,543
2013	374	\$33,767	\$12,628,840	21	\$38,066	\$799,392	51	\$38,064	\$1,941,242	446	\$34,461	\$15,369,474
2014	378	\$25,430	\$9,612,673	21	\$28,661	\$601,875	57	\$27,080	\$1,543,557	456	\$25,785	\$11,758,105
2015	390	\$29,302	\$11,427,789	18	\$50,579	\$910,419	63	\$34,522	\$2,174,879	471	\$30,813	\$14,513,086
2016	378	\$22,246	\$8,408,814	18	\$46,134	\$830,409	67	\$29,508	\$1,977,008	463	\$24,225	\$11,216,231
2017	377	\$26,784	\$10,097,684	13	\$25,294	\$328,824	58	\$29,962	\$1,737,808	448	\$27,152	\$12,164,315
2018	359	\$13,431	\$4,821,643	13	\$12,694	\$165,022	59	\$14,111	\$832,567	431	\$13,502	\$5,819,232

- Adjusted for inflation to 2018 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.

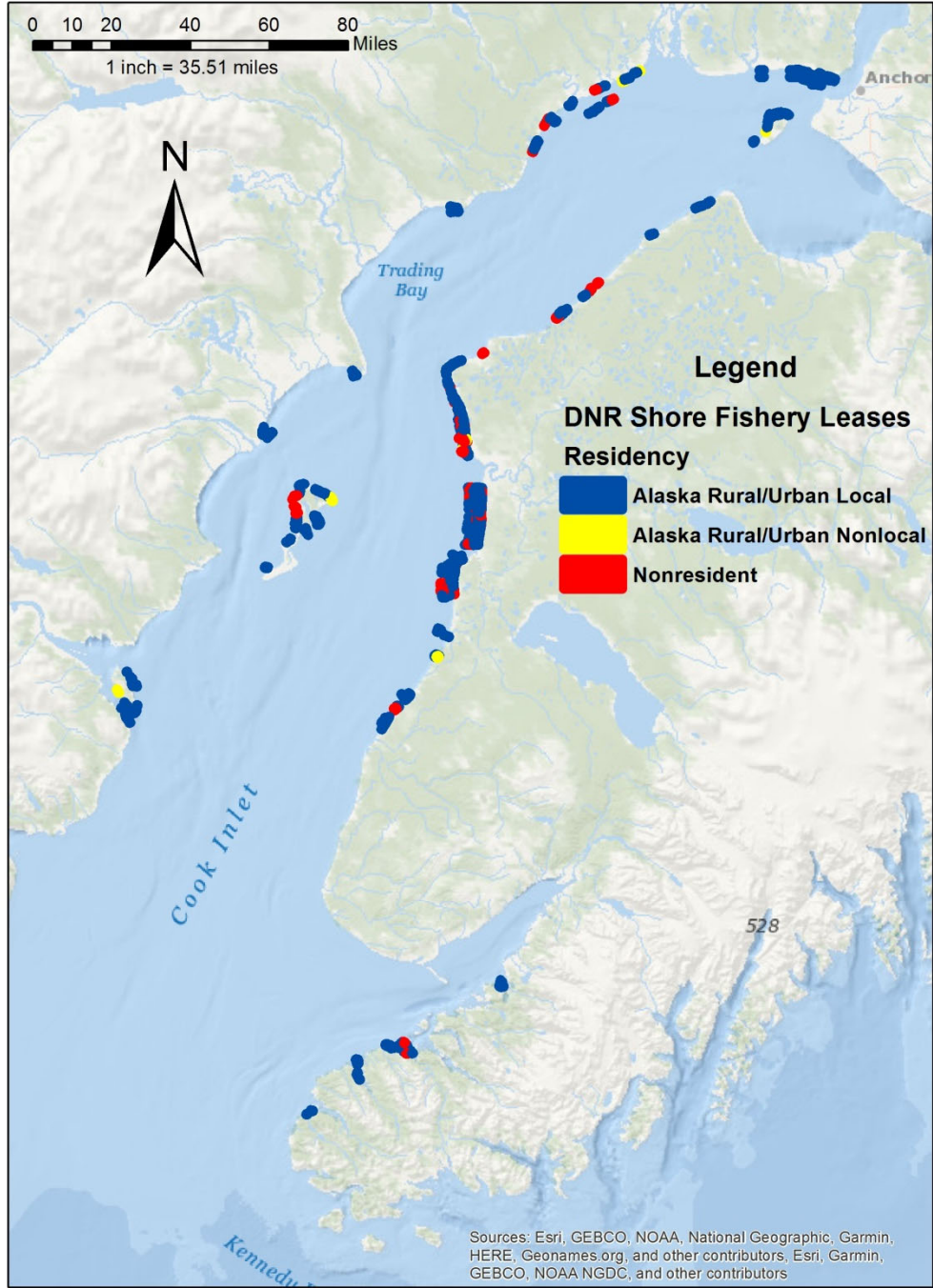
Cook Inlet Salmon Set Gillnet (S04H)

Table 3-12. Gross Real Earnings for the Cook Inlet Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975 to 2018

Year	Chinitna/Kustatan		East Side		Kalgin Island		Northern		Southern		West Side		Totals	
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value
1975	25	\$439,766	278	\$4,847,096	41	\$1,201,511	143	\$2,473,529	24	\$902,502	56	\$1,277,760	522	\$11,142,164
1976	25	\$521,165	288	\$15,330,798	43	\$751,346	147	\$3,292,344	23	\$884,708	58	\$2,067,347	549	\$22,847,707
1977	25	\$515,844	288	\$22,119,402	37	\$1,315,928	155	\$4,936,244	22	\$1,687,222	64	\$3,107,829	547	\$33,682,468
1978	29	\$762,220	325	\$29,199,322	48	\$2,249,627	173	\$4,836,717	34	\$3,599,374	72	\$3,431,359	604	\$44,078,619
1979	33	\$633,137	307	\$9,533,496	48	\$2,059,785	177	\$4,263,952	34	\$1,824,379	75	\$3,087,014	609	\$21,401,762
1980	27	\$336,051	292	\$10,599,874	46	\$1,294,749	160	\$4,097,385	35	\$725,681	72	\$1,766,559	593	\$18,820,299
1981	15	\$313,666	300	\$11,762,054	46	\$1,431,840	157	\$8,003,822	37	\$1,701,134	65	\$1,194,204	600	\$24,406,721
1982	20	\$453,673	301	\$22,485,640	47	\$1,978,863	156	\$3,983,004	38	\$1,012,289	70	\$1,841,078	602	\$31,754,547
1983	29	\$313,385	315	\$19,820,892	42	\$1,212,835	168	\$2,464,051	36	\$574,937	66	\$1,229,253	626	\$25,615,353
1984	22	\$345,670	309	\$7,789,679	38	\$973,188	179	\$4,786,252	35	\$727,871	74	\$2,204,605	620	\$16,827,264
1985	22	\$423,653	316	\$27,464,845	41	\$2,302,359	169	\$4,342,424	34	\$606,616	85	\$4,231,815	625	\$39,371,711
1986	35	\$606,616	332	\$32,218,977	35	\$1,674,222	191	\$4,929,670	34	\$503,933	75	\$1,898,358	645	\$41,831,777
1987	28	\$773,590	363	\$80,642,971	40	\$2,347,257	184	\$5,472,910	30	\$730,970	56	\$2,752,424	650	\$92,720,123
1988	39	\$1,100,015	439	\$89,209,793	49	\$1,751,037	205	\$8,855,405	27	\$772,390	97	\$4,308,854	655	\$105,997,493
1989	62	\$1,240,796	424	\$107,246,343	33	\$2,245,284	175	\$8,665,085	23	\$431,015	57	\$1,559,631	658	\$121,388,154
1990	48	\$532,414	454	\$24,226,908	45	\$1,274,202	179	\$3,826,641	20	\$381,002	53	\$747,628	662	\$30,988,796
1991	57	\$408,916	431	\$9,204,657	32	\$936,350	188	\$2,404,459	20	\$279,800	53	\$338,068	648	\$13,572,317
1992	54	\$334,716	449	\$54,323,929	31	\$1,650,142	186	\$1,994,189	20	\$320,797	52	\$619,882	654	\$59,243,654
1993	26	\$260,824	437	\$21,267,471	27	\$726,883	121	\$2,109,059	17	\$209,700	40	\$305,801	641	\$24,879,739
1994	31	\$269,249	425	\$21,007,360	30	\$965,631	114	\$3,015,236	16	\$252,675	44	\$367,558	617	\$25,877,709
1995	19	\$205,092	417	\$10,919,826	33	\$955,392	119	\$1,942,611	23	\$347,738	32	\$354,682	625	\$14,725,341
1996	20	\$101,390	406	\$18,226,273	30	\$707,823	115	\$1,517,275	24	\$863,675	30	\$302,169	604	\$21,718,605
1997	16	\$100,846	429	\$21,868,355	25	\$328,295	119	\$1,285,245	25	\$734,939	20	\$148,298	603	\$24,465,978
1998	11	\$44,828	383	\$5,032,187	26	\$268,304	99	\$830,724	24	\$307,439	25	\$220,360	559	\$6,370,842
1999	14	\$103,947	382	\$12,492,376	23	\$611,872	104	\$911,695	20	\$359,312	28	\$583,757	556	\$15,062,959
2000	14	\$47,930	366	\$4,397,012	23	\$429,990	97	\$767,406	24	\$267,669	31	\$389,251	533	\$6,299,257
2001	9	\$57,267	347	\$4,748,435	24	\$190,602	93	\$439,732	18	\$190,105	26	\$160,846	505	\$5,786,988
2002	9	\$45,644	351	\$6,738,775	19	\$166,803	71	\$316,038	24	\$264,965	26	\$211,189	496	\$7,743,414
2003	8	\$41,612	342	\$9,688,375	22	\$233,623	59	\$330,531	24	\$488,664	25	\$253,085	472	\$11,035,890
2004	10	\$41,316	352	\$13,405,488	18	\$427,306	65	\$318,618	19	\$126,086	29	\$463,480	481	\$14,782,294
2005	9	\$22,001	357	\$18,339,166	25	\$606,569	72	\$365,616	17	\$129,981	26	\$346,118	499	\$19,809,450
2006	12	\$45,202	335	\$9,324,031	24	\$468,393	70	\$330,964	22	\$146,945	26	\$385,482	482	\$10,701,016
2007	9	\$23,611	339	\$10,695,852	22	\$514,005	77	\$396,098	16	\$238,706	25	\$461,799	483	\$12,330,071
2008	10	\$28,451	329	\$11,562,979	27	\$449,983	88	\$713,799	18	\$245,348	25	\$258,491	484	\$13,259,050
2009	12	\$47,628	328	\$8,208,604	24	\$666,650	84	\$619,314	19	\$346,557	26	\$602,274	472	\$10,491,027
2010	11	\$32,387	329	\$13,918,882	29	\$873,200	86	\$733,833	21	\$175,490	26	\$572,493	488	\$16,306,286
2011	11	\$41,085	383	\$19,898,502	28	\$986,343	83	\$545,416	21	\$241,096	24	\$744,634	543	\$22,457,077
2012	0	\$0	315	\$1,323,837	25	\$635,163	71	\$329,177	15	\$119,921	31	\$366,445	457	\$2,774,543
2013	0	\$0	350	\$12,884,292	28	\$770,475	69	\$627,014	18	\$578,787	30	\$508,905	493	\$15,369,474
2014	0	\$0	364	\$9,342,943	26	\$630,045	79	\$754,614	19	\$468,098	27	\$562,404	513	\$11,758,105
2015	0	\$0	372	\$12,492,229	28	\$570,931	79	\$676,971	24	\$393,270	29	\$379,685	529	\$14,513,086
2016	0	\$0	382	\$9,537,789	30	\$389,922	68	\$643,367	23	\$223,400	29	\$421,754	528	\$11,216,231
2017	0	\$0	364	\$9,570,863	28	\$572,021	78	\$1,006,510	23	\$566,119	27	\$448,802	518	\$12,164,315
2018	0	\$0	357	\$3,306,731	29	\$632,454	72	\$980,762	24	\$317,167	33	\$582,118	512	\$5,819,232

• Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits are used to record landings in more than one district.

Appendix A: Locations of DNR Shore Fishery Leases



Current as of June 2019

*Appendix B: Dual and Stacked Permit Regulations*

<b>Dual Permits:</b>					
<b>Fishery</b>	<b>First Season in Effect</b>	<b>Basic Regulation</b>	<b>Identification</b>	<b>Special Considerations</b>	<b>Regulations</b>
Bristol Bay Salmon Drift Gillnet <b>S03T</b>	2004	Two permit holders may fish from a single vessel; the vessel's total allowable gear increases from 150 to 200 fathoms	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered.	Dual-permit operations are not allowed in certain restricted fishing areas	<a href="#">5 AAC 06.333</a> <a href="#">5 AAC 06.370</a>
Cook Inlet Salmon Drift Gillnet <b>S03H</b>	2008	Two permit holders may fish from a single vessel; the vessel's total allowable gear increases from 150 to 200 fathoms	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered. Do not have to preregister with F&G.	Dual-permit operations are not allowed in certain restricted fishing areas	<a href="#">5 AAC 21.333</a>
Southeast Herring Gillnet <b>G34A</b>	2006	Two permit holders may fish from a single vessel; the vessel's allowable gear increases from a single 50-fathom net to a 75-fathom net.	Vessels display the letter 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered.		<a href="#">5 AAC 27.131(i)</a>

<b>Stacked Permits</b>					
<p><b>2002:</b> AS 16.43.140 (c) was amended to allow individuals to hold two salmon limited entry permits in the same fishery.</p> <p><b>2006:</b> AS 16.05.251 (i) gives the BOF the authority to grant fishing privileges to the second permit held by an individual.</p>					
<b>Fishery and Fishery Code</b>	<b>First Season In Effect</b>	<b>Basic Regulation</b>	<b>Identification</b>	<b>Special Considerations</b>	<b>Regulations</b>
Kodiak Salmon Set Gillnet <b>S04K</b>	Two regulations:  (a) 2008  and  (b) 1985	(a) Permit holders may own and fish 2 permits simultaneously. Their allowable gear doubles from 2 nets and 150 fathoms to 4 nets and 300 fathoms.  (b) Two permit holders may fish in a joint venture; the operation's total allowable gear increases from 2 nets and 150 fathoms to 3 nets and to 300 fathoms	In 2008 persons who fished 2 permits were issued 2 permit cards: a standard card and a white-colored (non-functioning) card. In 2009, the non-functioning card was yellow-colored. In 2010, persons were issued 2 standard cards, and either could be used to record a landing.  Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits.	(a) Unless reauthorized, this regulation expires December 2010  (did expire in 2010)	<a href="#">5 AAC 18.331</a>

Appendix B: Dual and Stacked Permit Regulations

**Stacked Permits**

**2002:** AS 16.43.140 (c) was amended to allow individuals to hold two salmon limited entry permits in the same fishery.  
**2006:** AS 16.05.251 (i) gives the BOF the authority to grant fishing privileges to the second permit held by an individual.

Fishery and Fishery Code	First Season In Effect	Basic Regulation	Identification	Special Considerations	Regulations
Bristol Bay Salmon Set Gillnet <b>S04T</b>	2010	Permit holders may own and fish 2 permits simultaneously. Their allowable gear doubles from 2 nets and 50 fathoms to 4 nets and 100 fathoms.	Persons who fish 2 permits are issued 2 permit cards. Each are standard cards, and either can be used to record a landing. Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits.	(u) "...the provisions of this subsection do not apply after December 31, 2012."  (did expire in 2012)	<a href="#">5 AAC 06.331(u)</a>
Cook Inlet Salmon Drift Gillnet <b>S03H</b>	2017	Permit holders may own and fish 2 permits simultaneously. Their allowable gear increases from 150 (with 1 permit) to 200 fathoms of drift gillnet gear.	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered		5 AAC 21.333(a)
Cook Inlet Salmon Set Gillnet <b>S04H</b>	2011	Permit holders may own and fish 2 permits simultaneously. Their allowable gear doubles from 4 nets and 105 fathoms to 210 fathoms in aggregate, with no single net longer than 35 fathoms, of which no more than 105 fathoms may be more than 29 meshes in depth in the Upper Subdistrict. (Depth modification made by Board-Generated Proposal A at the 2014 Upper Cook Inlet Finfish meeting).	Persons who fish 2 permits are issued 2 permit cards. Each are standard cards, and either can be used to record a landing. Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits. The identification buoy attached to gillnet gear of no more than 29 meshes in depth must be marked with a "D 29" following the CFEC permit holder's permit number.		<a href="#">5 AAC 21.331</a>
Yakutat Salmon Set Gillnet <b>S04D</b>	2012	Permit holders may own and fish 2 permits simultaneously. Their allowable gear doubles from 4 nets and 105 fathoms to 210 fathoms in aggregate, with no single net longer than 35 fathoms.	Persons who fish 2 permits are issued 2 permit cards. Each are standard cards, and either can be used to record a landing. Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits. Valid only for Situk, Yakutat Bay, and Kaliakh, and only if Situk Chinook escapement exceeds 750 fish.	(e) Unless reauthorized, this regulation expires December, 2014	<a href="#">5 AAC 30.345</a>