

CFEC Permit Holdings and Estimates of Gross  
Earnings in the Cook Inlet  
Commercial Salmon Fisheries, 1975-2015

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July, 2016

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## **Abstract**

Limited entry permits held in the Cook Inlet commercial salmon fisheries are examined: the purse seine fishery (S01H permits) is first, followed by drift gillnet (S03H permits), and set gillnet (S04H permits). This report includes summary statistics on the number of permit holdings, permanent and emergency transfers of permits, permit value, permit latency, new entrants in the fisheries, permit holder median age, estimated gross earnings, vessel characteristics for the purse seine and drift gillnet fisheries, dual permit operations in the drift gillnet fishery, stacked permit operations in the set gillnet fishery, and DNR shore fishery leases for 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 Marcus Gho

## **Acknowledgements**

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## Introduction

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>1</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.

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>2</sup>. Salmon limited entry permits in all three Cook Inlet fisheries were first issued in 1975.

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, the majority of the commercial salmon fishing is prosecuted by both the set and drift gillnet fisheries. The use of purse seine gear is only employed sporadically in the Chinitna Bay sub district.<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 the majority of 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 exploited 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 1.

**Table 1. Percent of Total Ex-vessel Value of Cook Inlet Salmon Fisheries by Species, 1975-2015**

Species	Cook Inlet Purse Seine	Cook Inlet Drift Gillnet	Cook Inlet Set Gillnet	Total Cook Inlet Salmon
<i>Chinook</i>	0.1%	0.2%	3.9%	1.7%
<i>sockeye</i>	35.9%	84.5%	86.6%	82.2%
<i>coho</i>	1.5%	4.1%	5.9%	4.7%
<i>pink</i>	45.3%	1.4%	2.1%	4.5%
<i>chum</i>	17.1%	9.7%	1.5%	6.9%

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

<sup>2</sup> See 20 AAC 05.300.

<sup>3</sup> See *Upper Cook Inlet Commercial Fisheries Annual Management Report, 2012*, FMR No. 13-21.

## **Description of the Data Files Used to Generate This Report**

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

### **CFEC Gross Earnings File**

The CFEC gross earnings file is based on ADF&G fish tickets and is augmented with CFEC permit holder and other data. The ex-vessel value for salmon in the CFEC gross earnings file largely come from the Commercial Operators Annual Report and ADF&G fish tickets with some additional information provided by processors. Note that ex-vessel values for 2015 are preliminary as CFEC has not yet received and processed final data from the 2015 Commercial Operators Annual 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 broken into three resident types:

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

### **CFEC Vessel File**

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

### **S03H Dual Permit File**

ADF&G provided a file with all permits used in dual permit operations from 2008 through 2015. This file includes all of the 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 in 2016. The steps outlining the creation of the dataset is described in CFEC Report Number 16-2N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2015*.

## CFEC Census File

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

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

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

## Data Display

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

## **Cook Inlet Salmon Purse Seine Fishery**

### **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. 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 3. Initial Issuance and Year-end 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Percent Change</i>		<i>Percent Change</i>		<i>Percent Change</i>		<i>Total</i>	<i>Percentage</i>
			<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>		
Local	83	97.6%	-3	-3.6%	-6	-7.2%	-1	-1.2%	73	86.9%
Nonlocal	1	1.2%	7	700.0%	-4	-400.0%	0	0.0%	4	4.8%
Nonresident	1	1.2%	-4	-400.0%	10	1000.0%	0	0.0%	7	8.3%
<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>-1</b>	<b>-1.2%</b>	<b>84</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.

## 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>4</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 4. Transfer Acquisition Methods for Cook Inlet Salmon Purse Seine Permits, 1980-2015

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>	101	40.9%	1,912	41.5%	1,138	31.6%	13,007	36.1%
<i>Sale</i>	127	51.4%	2,450	53.2%	2,265	63.0%	21,327	59.2%
<i>Trade</i>	4	1.6%	54	1.2%	64	1.8%	498	1.4%
<i>Other</i>	15	6.1%	186	4.0%	130	3.6%	1,185	3.3%
<b>Total</b>	<b>247</b>		<b>4,602</b>		<b>3,597</b>		<b>36,017</b>	

Table 4 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 2015. During the 1980 – 2015 period, just over half of all S01H permit transfers were sales (51.4%, or 127/247), a large percentage were transferred as gifts (40.9% or 101/247), and a smaller percentage were trades (1.6% or 4/247) or other (6.1% or 15/247). The annual acquisition methods for the limited S01H permits have not changed substantially throughout the time period.<sup>5</sup>

Table 5. Relationships of Transferor to Transfer Recipients for Cook Inlet Salmon Purse Seine Permits, 1980-2015

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	16.6%	928	20.2%	653	18.2%	6,632	18.4%
<i>Member of Immediate Family</i>	93	37.7%	1,603	34.8%	1,152	32.0%	12,153	33.7%
<i>Other Relative</i>	19	7.7%	306	6.6%	146	4.1%	1,683	4.7%
<i>Other</i>	94	38.1%	1,765	38.4%	1,646	45.8%	15,549	43.2%
<b>Total</b>	<b>247</b>		<b>4,602</b>		<b>3,597</b>		<b>36,017</b>	

Table 5 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 2015. For the S01H permit transfers, both immediate family members and other relatives, total 45.3% (112/247) of all transfers. This compares to 41.5% (1,909/4,602) for all three Cook Inlet salmon permit types combined, 36.1% (1,298/3,597) for statewide salmon purse seine permits, and 38.4% (13,836/36,017) for all limited entry permits statewide.

<sup>4</sup> CFEC implemented the transfer survey in 1980.

<sup>5</sup> See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2015*, CFEC Report No. 16-3N.

## S01H Permit Value

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

Table 6. CFEC Estimated Value of Cook Inlet Salmon Purse Seine Permits

Year	S01H Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1985	4	\$58,375	-	\$128,586	-
1986	5	\$60,000	-	\$129,754	-
1987	12	\$60,455	-	\$126,134	-
1988	10	\$66,089	-	\$132,411	-
1989	3	\$90,000	-	\$172,028	-
1990	3	\$186,667	-	\$338,510	-
1991	2	\$163,000	\$39,400	\$283,655	\$68,564
1992	1	\$134,500	\$52,450	\$227,219	\$88,607
1993	0	\$134,500	\$52,450	\$220,614	\$86,031
1994	0	\$134,500	\$52,450	\$215,107	\$83,884
1995	1	\$90,800	\$52,600	\$141,215	\$81,805
1996	4	\$37,400	\$11,950	\$56,497	\$18,052
1997	2	\$32,000	\$14,200	\$47,256	\$20,970
1998	1	\$24,100	\$6,900	\$35,044	\$10,033
1999	2	\$17,200	\$4,300	\$24,470	\$6,117
2000	1	\$15,800	\$3,600	\$21,747	\$4,955
2001	0	\$15,800	\$3,600	\$21,146	\$4,818
2002	2	\$11,500	\$3,100	\$15,151	\$4,084
2003	1	\$10,800	\$3,000	\$13,912	\$3,864
2004	3	\$9,600	\$750	\$12,045	\$941
2005	6	\$11,600	\$2,000	\$14,078	\$2,427
2006	1	\$12,700	\$2,750	\$14,931	\$3,233
2007	4	\$14,100	\$1,400	\$16,118	\$1,600
2008	5	\$15,300	\$1,550	\$16,843	\$1,706
2009	2	\$16,900	\$2,300	\$18,671	\$2,541
2010	1	\$18,800	\$2,750	\$20,435	\$2,989
2011	7	\$31,300	\$7,700	\$32,981	\$8,113
2012	3	\$54,400	\$25,100	\$56,159	\$25,912
2013	4	\$71,000	\$9,750	\$72,237	\$9,920
2014	3	\$86,000	\$9,200	\$86,102	\$9,211
2015	1	\$84,800	\$9,700	\$84,800	\$9,700

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S01H Permits

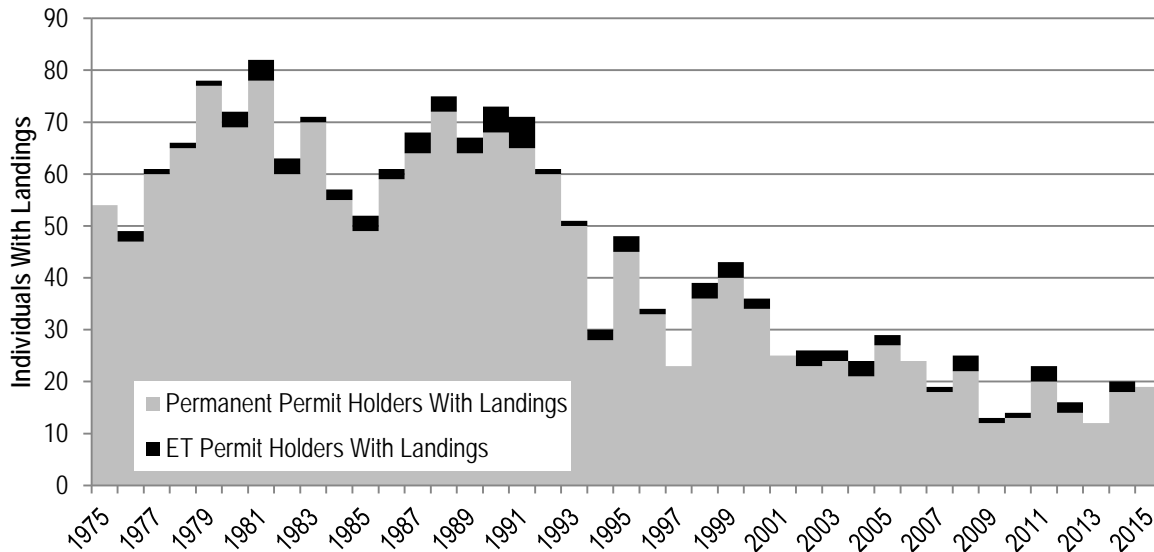
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

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

Table 7. Use of Emergency Transfer Permits in the Cook Inlet Salmon Purse Seine Fishery, 1975-2015

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	54	0	0.0%	1989	67	3	4.5%	2003	26	2	7.7%
1976	49	2	4.1%	1990	73	5	6.8%	2004	24	3	12.5%
1977	61	1	1.6%	1991	71	6	8.5%	2005	29	2	6.9%
1978	66	1	1.5%	1992	61	1	1.6%	2006	24	0	0.0%
1979	78	1	1.3%	1993	51	1	2.0%	2007	19	1	5.3%
1980	72	3	4.2%	1994	30	2	6.7%	2008	25	3	12.0%
1981	82	4	4.9%	1995	48	3	6.3%	2009	13	1	7.7%
1982	63	3	4.8%	1996	34	1	2.9%	2010	14	1	7.1%
1983	71	1	1.4%	1997	23	0	0.0%	2011	23	3	13.0%
1984	57	2	3.5%	1998	39	3	7.7%	2012	16	2	12.5%
1985	52	3	5.8%	1999	43	3	7.0%	2013	12	0	0.0%
1986	61	2	3.3%	2000	36	2	5.6%	2014	20	2	10.0%
1987	68	4	5.9%	2001	25	0	0.0%	2015	19	0	0.0%
1988	75	3	4.0%	2002	26	3	11.5%				

Figure 1. Use of Emergency Transfer Permits in the Cook Inlet Salmon Purse Seine Fishery, 1975-2015



## Latent S01H Permits

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

Table 8 indicates the total number of viable 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 2.

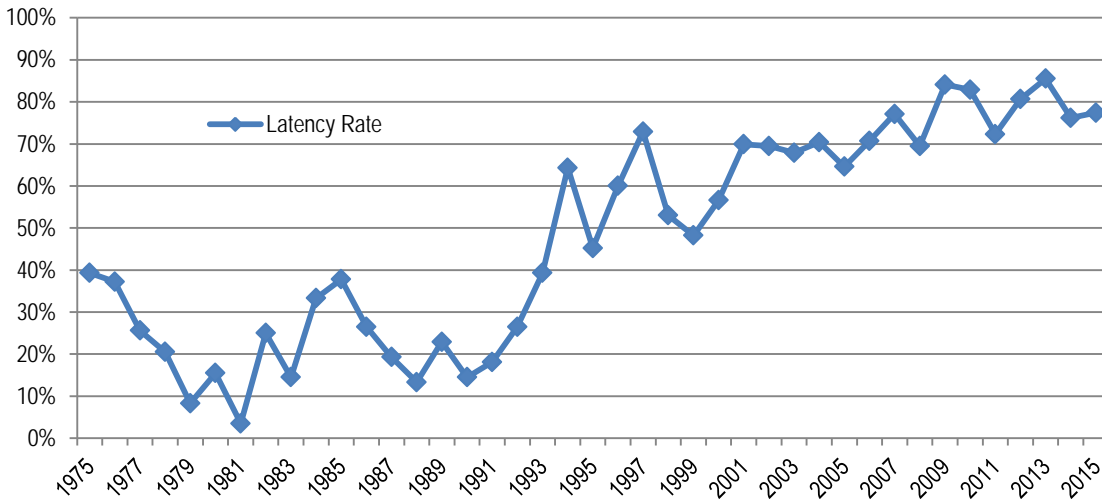
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 8. Cook Inlet Salmon Purse Seine Permit Latency, 1975-2015

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

- o 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.
- o 'Permits Fished' is the number of CFEC permits that were used to record commercial landings in that year.

Figure 2. Cook Inlet Salmon Purse Seine Permit Latency, 1975-2015



## New Entrants into the Cook Inlet Salmon Purse Seine Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S01H permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

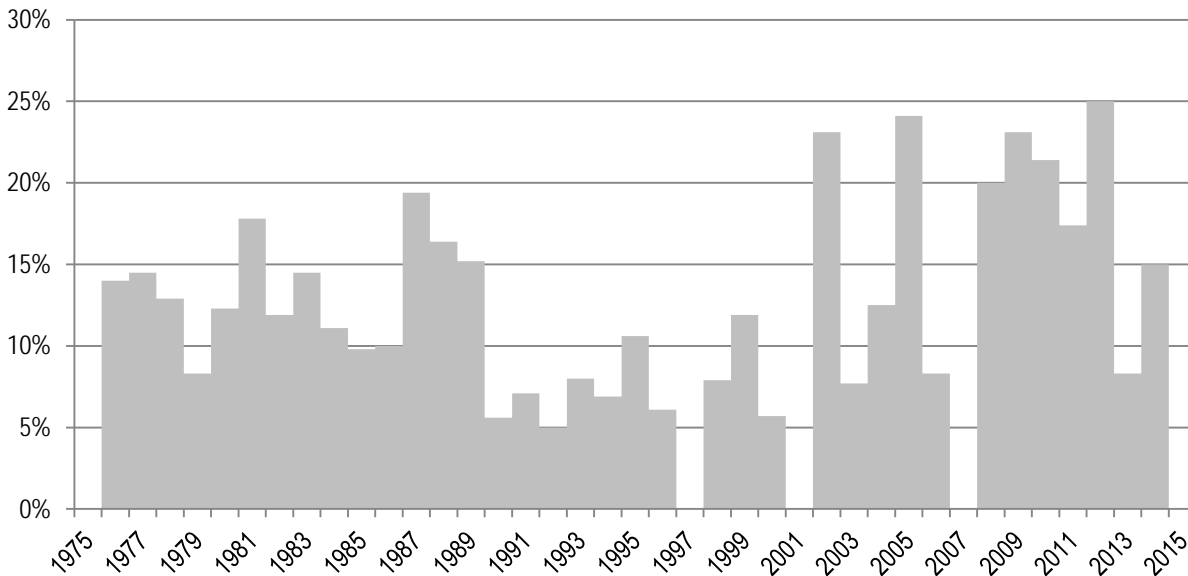
Table 9 and Figure 3 describe individuals rather than permits. An individual may hold up to two permits for the same fishery, but can only fish one of them. An individual may hold one S01H permit one year, and then in subsequent years hold a different S01H permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

Table 9. New Entrants into the Cook Inlet Salmon Purse Seine Fishery, 1975-2015

Individuals				Individuals				Individuals				Individuals			
Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	Percent
1975	32	0	0.0%	1986	60	6	10.0%	1997	22	0	0.0%	2008	25	5	20.0%
1976	43	6	14.0%	1987	67	13	19.4%	1998	38	3	7.9%	2009	13	3	23.1%
1977	55	8	14.5%	1988	73	12	16.4%	1999	42	5	11.9%	2010	14	3	21.4%
1978	62	8	12.9%	1989	66	10	15.2%	2000	35	2	5.7%	2011	23	4	17.4%
1979	72	6	8.3%	1990	72	4	5.6%	2001	24	0	0.0%	2012	16	4	25.0%
1980	65	8	12.3%	1991	70	5	7.1%	2002	26	6	23.1%	2013	12	1	8.3%
1981	73	13	17.8%	1992	60	3	5.0%	2003	26	2	7.7%	2014	20	3	15.0%
1982	59	7	11.9%	1993	50	4	8.0%	2004	24	3	12.5%	2015	19	0	0.0%
1983	69	10	14.5%	1994	29	2	6.9%	2005	29	7	24.1%				
1984	54	6	11.1%	1995	47	5	10.6%	2006	24	2	8.3%				
1985	51	5	9.8%	1996	33	2	6.1%	2007	19	0	0.0%				

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

Figure 3. New Entrants into the Cook Inlet Salmon Purse Seine Fishery, 1975-2015



## Age of S01H Permit Holders

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

Year	Cook Inlet Salmon		Statewide Salmon	Statewide All	AK Median Age
	S01H	Combined	Purse Seine	Permits	
1975	44.2	42.1	44.0	42.9	24.3
1976	40.1	41.1	43.3	41.3	24.7
1977	40.5	40.3	42.5	40.5	25.1
1978	41.6	40.0	41.7	40.1	25.4
1979	42.4	39.4	41.2	40.1	25.8
1980	39.9	39.3	40.9	39.6	26.0
1981	36.8	39.4	40.9	39.5	26.4
1982	36.8	39.3	40.7	39.5	26.8
1983	35.9	39.4	40.4	39.6	27.1
1984	36.2	38.9	40.9	39.9	27.3
1985	37.2	39.1	41.2	40.1	27.5
1986	37.1	39.4	40.9	40.1	27.8
1987	38.7	39.6	40.8	40.4	28.2
1988	37.7	40.0	40.9	40.6	28.6
1989	36.4	40.1	41.1	41.0	29.0
1990	37.7	40.2	41.7	41.4	29.3
1991	38.4	40.8	41.9	41.9	29.7
1992	39.7	41.0	42.7	42.4	30.1
1993	40.9	41.9	43.2	43.0	30.5
1994	41.9	42.5	43.5	43.5	30.8
1995	42.9	42.9	43.9	43.9	31.1
1996	43.0	43.7	44.6	44.5	31.5
1997	44.0	44.0	45.5	45.0	31.8
1998	44.8	44.7	46.0	45.6	32.1
1999	45.8	45.6	46.9	46.1	32.3
2000	46.6	46.2	47.1	46.6	32.4
2001	47.7	46.9	48.1	47.0	32.7
2002	48.8	47.8	48.8	47.7	33.0
2003	49.7	48.2	49.7	48.4	33.2
2004	50.6	48.2	50.7	48.8	33.4
2005	50.6	48.1	51.4	49.3	33.6
2006	51.6	48.6	51.9	49.7	33.8
2007	51.3	49.3	52.5	50.1	33.9
2008	51.0	49.5	52.6	50.5	33.9
2009	51.4	50.0	53.5	51.1	33.9
2010	52.5	50.4	53.8	51.4	33.8
2011	53.8	50.8	53.9	51.8	33.9
2012	52.4	51.4	54.2	52.1	34.1
2013	50.8	51.7	53.9	52.4	34.3
2014	51.7	52.2	53.9	52.7	34.3
2015	52.7	52.8	54.2	53.3	34.5

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

Table 10 shows the annual median age of five different cohorts of people: 1) Cook Inlet salmon purse seine (S01H) permit holders; 2) all three (S01H, S03H, and S04H) Cook Inlet salmon permit holders; 3) statewide salmon purse seine permit holders; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and nontransferable permits; however, there were no nontransferable S01H permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), 23.2% (10.2 years) for the statewide salmon purse seine permit holders, and 25.3% (10.7 years) for the combined Cook Inlet salmon permit holders.

For S01H permit holders, the median age increased 19.1% (8.4 years).



## Cook Inlet Salmon Purse Seine Vessel Characteristics

Table 11 reports on various vessel characteristics of the Cook Inlet salmon purse seine fleet since 1978. This data is 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.

Table 11. Cook Inlet Salmon Purse Seine Vessel Characteristics

Year	Vessel Count	Age				Length in Feet				Net Tons				Horsepower				Hold Capacity (cubic feet)			
		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	37	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

*Cook Inlet Salmon Purse Seine (S01H)*

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

**Table 12. Additional Cook Inlet Salmon Purse Seine Vessel Characteristics**

Year	Vessel Count	Engine Type					Hull Material										
		Count	Diesel		Gas		Count	Aluminum	Fiberglass	Concrete	Steel	Wood					
1978	66	65	25	38.5%	40	61.5%	66	3	4.5%	25	37.9%	0	0.0%	10	15.2%	28	42.4%
1979	81	77	35	45.5%	42	54.5%	79	7	8.9%	34	43.0%	0	0.0%	11	13.9%	27	34.2%
1980	71	69	32	46.4%	37	53.6%	69	6	8.7%	32	46.4%	0	0.0%	10	14.5%	21	30.4%
1981	87	83	42	50.6%	41	49.4%	82	8	9.8%	40	48.8%	0	0.0%	11	13.4%	23	28.0%
1982	62	61	32	52.5%	29	47.5%	61	3	4.9%	35	57.4%	1	1.6%	8	13.1%	14	23.0%
1983	73	73	39	53.4%	34	46.6%	73	8	11.0%	36	49.3%	1	1.4%	10	13.7%	18	24.7%
1984	56	51	32	62.7%	19	37.3%	51	2	3.9%	33	64.7%	1	2.0%	5	9.8%	10	19.6%
1985	50	50	29	58.0%	21	42.0%	50	3	6.0%	34	68.0%	0	0.0%	3	6.0%	10	20.0%
1986	61	61	34	55.7%	27	44.3%	61	8	13.1%	35	57.4%	0	0.0%	4	6.6%	14	23.0%
1987	68	68	42	61.8%	26	38.2%	68	14	20.6%	41	60.3%	0	0.0%	2	2.9%	11	16.2%
1988	75	74	47	63.5%	27	36.5%	75	18	24.0%	43	57.3%	0	0.0%	1	1.3%	13	17.3%
1989	66	66	42	63.6%	24	36.4%	66	18	27.3%	33	50.0%	0	0.0%	1	1.5%	14	21.2%
1990	73	73	48	65.8%	25	34.2%	73	22	30.1%	40	54.8%	0	0.0%	2	2.7%	9	12.3%
1991	74	74	48	64.9%	26	35.1%	74	25	33.8%	40	54.1%	0	0.0%	1	1.4%	8	10.8%
1992	61	61	39	63.9%	22	36.1%	61	22	36.1%	30	49.2%	0	0.0%	1	1.6%	8	13.1%
1993	54	54	31	57.4%	23	42.6%	54	20	37.0%	27	50.0%	0	0.0%	0	0.0%	7	13.0%
1994	31	30	21	70.0%	9	30.0%	31	10	32.3%	16	51.6%	0	0.0%	1	3.2%	4	12.9%
1995	45	45	32	71.1%	13	28.9%	45	18	40.0%	19	42.2%	0	0.0%	2	4.4%	6	13.3%
1996	37	37	23	62.2%	14	37.8%	37	17	45.9%	18	48.6%	0	0.0%	0	0.0%	2	5.4%
1997	24	24	17	70.8%	7	29.2%	24	9	37.5%	12	50.0%	0	0.0%	0	0.0%	3	12.5%
1998	44	43	27	62.8%	16	37.2%	44	20	45.5%	19	43.2%	0	0.0%	1	2.3%	4	9.1%
1999	43	43	31	72.1%	12	27.9%	43	15	34.9%	24	55.8%	0	0.0%	1	2.3%	3	7.0%
2000	37	37	26	70.3%	11	29.7%	37	13	35.1%	22	59.5%	0	0.0%	1	2.7%	1	2.7%
2001	31	31	19	61.3%	12	38.7%	31	16	51.6%	15	48.4%	0	0.0%	0	0.0%	0	0.0%
2002	24	24	18	75.0%	6	25.0%	24	12	50.0%	12	50.0%	0	0.0%	0	0.0%	0	0.0%
2003	30	30	22	73.3%	8	26.7%	30	11	36.7%	19	63.3%	0	0.0%	0	0.0%	0	0.0%
2004	27	27	24	88.9%	3	11.1%	27	7	25.9%	19	70.4%	0	0.0%	0	0.0%	1	3.7%
2005	33	33	26	78.8%	7	21.2%	33	12	36.4%	19	57.6%	0	0.0%	0	0.0%	2	6.1%
2006	24	24	20	83.3%	4	16.7%	24	10	41.7%	13	54.2%	0	0.0%	0	0.0%	1	4.2%
2007	18	18	14	77.8%	4	22.2%	18	8	44.4%	9	50.0%	0	0.0%	0	0.0%	1	5.6%
2008	23	23	16	69.6%	7	30.4%	23	11	47.8%	12	52.2%	0	0.0%	0	0.0%	0	0.0%
2009	12	12	8	66.7%	4	33.3%	12	5	41.7%	6	50.0%	0	0.0%	1	8.3%	0	0.0%
2010	16	16	11	68.8%	5	31.3%	16	7	43.8%	9	56.3%	0	0.0%	0	0.0%	0	0.0%
2011	20	20	13	65.0%	7	35.0%	20	8	40.0%	12	60.0%	0	0.0%	0	0.0%	0	0.0%
2012	17	17	12	70.6%	5	29.4%	17	4	23.5%	13	76.5%	0	0.0%	0	0.0%	0	0.0%
2013	13	13	11	84.6%	2	15.4%	13	3	23.1%	10	76.9%	0	0.0%	0	0.0%	0	0.0%
2014	20	20	15	75.0%	5	25.0%	20	8	40.0%	12	60.0%	0	0.0%	0	0.0%	0	0.0%
2015	18	18	14	77.8%	4	22.2%	18	6	33.3%	12	66.7%	0	0.0%	0	0.0%	0	0.0%

## Participation and Earnings

Table 13 reports the number of permits, permits and vessels with landings, and estimated gross earnings in the Cook Inlet salmon purse seine fishery from 1975 to 2015. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

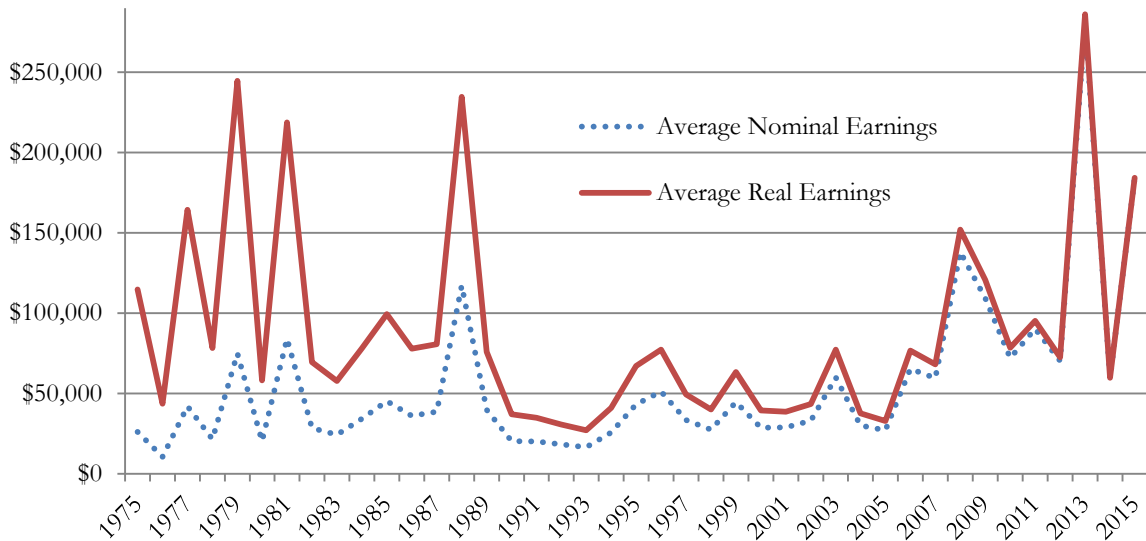
Table 14 reports the number of permit holders (people) and estimated gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 15 aggregates participation and earnings by district. Note that some permits are used to record landings in more than one district. Districts 242, 243, and 248 had some recorded landings in 1975. Districts 244 had some landings in 1976. Because it has been many years since small amounts were harvested in those districts, 1975 and 1976 have been omitted from Table 15.

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 are shown in Figure 4 for both nominal and real (inflation-adjusted) dollars using the 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics. 2015 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 was in 2001. 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 4. Estimated Nominal and Real Average Gross Earnings Per Cook Inlet Salmon Purse Seine Permit



- Real earnings are adjusted for inflation using the 2015 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 13. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2015

Year	Viable Permits	Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	89	\$1,406,224	\$6,195,147	54	\$114,725	60	\$103,252
1976	78	\$513,502	\$2,138,994	49	\$43,653	56	\$38,196
1977	82	\$2,563,292	\$10,025,476	61	\$164,352	71	\$141,204
1978	83	\$1,419,533	\$5,160,330	66	\$78,187	66	\$78,187
1979	84	\$5,769,152	\$18,834,533	77	\$244,604	81	\$232,525
1980	84	\$1,434,609	\$4,126,539	71	\$58,120	71	\$58,120
1981	85	\$6,882,516	\$17,945,801	82	\$218,851	87	\$206,274
1982	84	\$1,784,216	\$4,382,275	63	\$69,560	62	\$70,682
1983	83	\$1,720,680	\$4,094,682	71	\$57,672	73	\$56,092
1984	81	\$1,847,067	\$4,213,535	54	\$78,028	56	\$75,242
1985	82	\$2,302,420	\$5,071,678	51	\$99,445	50	\$101,434
1986	83	\$2,196,680	\$4,750,461	61	\$77,876	61	\$77,876
1987	83	\$2,591,820	\$5,407,618	67	\$80,711	68	\$79,524
1988	83	\$8,437,869	\$16,905,481	72	\$234,798	75	\$225,406
1989	83	\$2,539,823	\$4,854,687	64	\$75,854	66	\$73,556
1990	83	\$1,444,426	\$2,619,383	71	\$36,893	73	\$35,882
1991	83	\$1,360,809	\$2,368,097	68	\$34,825	74	\$32,001
1992	83	\$1,107,528	\$1,871,012	61	\$30,672	61	\$30,672
1993	84	\$842,496	\$1,381,909	51	\$27,096	54	\$25,591
1994	84	\$768,850	\$1,229,626	30	\$40,988	31	\$39,665
1995	84	\$1,982,432	\$3,083,136	46	\$67,025	45	\$68,514
1996	85	\$1,740,062	\$2,628,580	34	\$77,311	37	\$71,043
1997	85	\$768,043	\$1,134,201	23	\$49,313	24	\$47,258
1998	83	\$1,069,729	\$1,555,485	39	\$39,884	44	\$35,352
1999	83	\$1,912,728	\$2,721,183	43	\$63,283	43	\$63,283
2000	83	\$1,029,272	\$1,416,695	36	\$39,353	37	\$38,289
2001	83	\$721,111	\$965,080	25	\$38,603	31	\$31,132
2002	82	\$823,726	\$1,085,253	25	\$43,410	24	\$45,219
2003	81	\$1,558,569	\$2,007,649	26	\$77,217	30	\$66,922
2004	81	\$719,238	\$902,444	24	\$37,602	27	\$33,424
2005	82	\$786,252	\$954,200	29	\$32,903	33	\$28,915
2006	82	\$1,564,895	\$1,839,815	24	\$76,659	24	\$76,659
2007	83	\$1,131,535	\$1,293,482	19	\$68,078	18	\$71,860
2008	82	\$3,451,830	\$3,799,958	25	\$151,998	23	\$165,216
2009	82	\$1,420,257	\$1,569,077	13	\$120,698	12	\$130,756
2010	82	\$1,010,051	\$1,097,879	14	\$78,420	16	\$68,617
2011	83	\$2,076,973	\$2,188,495	23	\$95,152	20	\$109,425
2012	83	\$1,123,214	\$1,159,529	16	\$72,471	17	\$68,208
2013	83	\$3,374,183	\$3,432,988	12	\$286,082	13	\$264,076
2014	84	\$1,191,240	\$1,192,654	20	\$59,633	20	\$59,633
2015	84	\$3,500,945	\$3,500,945	19	\$184,260	18	\$194,497

- Adjusted for inflation to 2015 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.

Cook Inlet Salmon Purse Seine (S01H)

Table 14. Estimated Real Gross Earnings for Permit Holders in the Cook Inlet Salmon Purse Seine Fishery by Resident Type, 1975-2015

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	53	**	**	0	\$0	\$0	1	**	**	54	\$114,725	\$6,195,147
1976	49	\$43,653	\$2,138,994	0	\$0	\$0	0	\$0	\$0	49	\$43,653	\$2,138,994
1977	61	\$164,352	\$10,025,476	0	\$0	\$0	0	\$0	\$0	61	\$164,352	\$10,025,476
1978	64	**	**	2	**	**	0	\$0	\$0	66	\$78,187	\$5,160,330
1979	77	**	**	0	\$0	\$0	1	**	**	78	\$241,468	\$18,834,533
1980	71	**	**	0	\$0	\$0	1	**	**	72	\$57,313	\$4,126,539
1981	79	**	**	0	\$0	\$0	3	**	**	82	\$218,851	\$17,945,801
1982	61	**	**	2	**	**	0	\$0	\$0	63	\$69,560	\$4,382,275
1983	71	\$57,672	\$4,094,682	0	\$0	\$0	0	\$0	\$0	71	\$57,672	\$4,094,682
1984	56	**	**	0	\$0	\$0	1	**	**	57	\$73,922	\$4,213,535
1985	52	\$97,532	\$5,071,678	0	\$0	\$0	0	\$0	\$0	52	\$97,532	\$5,071,678
1986	61	\$77,876	\$4,750,461	0	\$0	\$0	0	\$0	\$0	61	\$77,876	\$4,750,461
1987	66	\$80,098	\$5,286,487	1	**	**	1	**	**	68	\$79,524	\$5,407,618
1988	73	**	**	0	\$0	\$0	1	**	**	74	\$228,452	\$16,905,481
1989	66	**	**	0	\$0	\$0	1	**	**	67	\$72,458	\$4,854,687
1990	69	\$36,299	\$2,504,657	2	**	**	2	**	**	73	\$35,882	\$2,619,383
1991	69	\$33,561	\$2,315,727	1	**	**	1	**	**	71	\$33,353	\$2,368,097
1992	59	**	**	0	\$0	\$0	2	**	**	61	\$30,672	\$1,871,012
1993	48	**	**	0	\$0	\$0	3	**	**	51	\$27,096	\$1,381,909
1994	28	**	**	0	\$0	\$0	2	**	**	30	\$40,988	\$1,229,626
1995	46	**	**	0	\$0	\$0	2	**	**	48	\$64,232	\$3,083,136
1996	33	**	**	0	\$0	\$0	1	**	**	34	\$77,311	\$2,628,580
1997	23	\$49,313	\$1,134,201	0	\$0	\$0	0	\$0	\$0	23	\$49,313	\$1,134,201
1998	37	**	**	0	\$0	\$0	2	**	**	39	\$39,884	\$1,555,485
1999	41	**	**	0	\$0	\$0	2	**	**	43	\$63,283	\$2,721,183
2000	32	\$38,838	\$1,242,821	0	\$0	\$0	4	\$43,469	\$173,875	36	\$39,353	\$1,416,695
2001	22	**	**	0	\$0	\$0	3	**	**	25	\$38,603	\$965,080
2002	22	\$42,624	\$937,736	0	\$0	\$0	4	\$36,879	\$147,517	26	\$41,740	\$1,085,253
2003	23	**	**	0	\$0	\$0	3	**	**	26	\$77,217	\$2,007,649
2004	23	**	**	0	\$0	\$0	1	**	**	24	\$37,602	\$902,444
2005	27	**	**	0	\$0	\$0	2	**	**	29	\$32,903	\$954,200
2006	22	**	**	0	\$0	\$0	2	**	**	24	\$76,659	\$1,839,815
2007	18	**	**	0	\$0	\$0	1	**	**	19	\$68,078	\$1,293,482
2008	24	**	**	0	\$0	\$0	1	**	**	25	\$151,998	\$3,799,958
2009	11	**	**	0	\$0	\$0	2	**	**	13	\$120,698	\$1,569,077
2010	12	**	**	0	\$0	\$0	2	**	**	14	\$78,420	\$1,097,879
2011	20	**	**	0	\$0	\$0	3	**	**	23	\$95,152	\$2,188,495
2012	12	\$64,108	\$769,294	0	\$0	\$0	4	\$97,559	\$390,235	16	\$72,471	\$1,159,529
2013	11	**	**	0	\$0	\$0	1	**	**	12	\$286,082	\$3,432,988
2014	19	**	**	0	\$0	\$0	1	**	**	20	\$59,633	\$1,192,654
2015	18	**	**	0	\$0	\$0	1	**	**	19	\$184,260	\$3,500,945

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (\*\*) due to reasons of confidentiality.
- 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.

Cook Inlet Salmon Purse Seine (S01H)

Table 15. Gross Earnings for the Cook Inlet Salmon Purse Seine Fishery by District, 1977 to 2015

Year	District 231				District 232				District 241				District 245				District 249				Total	
	Permits	Real Value			Permits	Real Value			Permits	Real Value			Permits	Real Value			Permits	Real Value			Permits	Real Value
1977	11	18.0%	\$202,094	2.0%	54	88.5%	\$7,788,210	77.7%	35	57.4%	\$694,235	6.9%	1 to 3	**	**	**	**	**	**	**	61	\$10,025,476
1978	9	13.6%	\$115,649	2.2%	39	59.1%	\$942,112	18.3%	54	81.8%	\$3,038,226	58.9%	0	0.0%	\$0	0.0%	20	30.3%	\$1,064,343	20.6%	66	\$5,160,330
1979	0	0.0%	\$0	0.0%	62	80.5%	\$13,327,744	70.8%	58	75.3%	\$4,683,052	24.9%	1 to 3	**	**	**	**	**	**	**	77	\$18,834,533
1980	14	19.7%	\$519,014	12.6%	54	76.1%	\$1,167,785	28.3%	59	83.1%	\$1,547,716	37.5%	1 to 3	**	**	**	**	**	**	**	71	\$4,126,539
1981	14	17.1%	\$402,183	2.2%	67	81.7%	\$10,304,574	57.4%	69	84.1%	\$6,028,268	33.6%	1 to 3	**	**	**	**	**	**	**	82	\$17,945,801
1982	12	19.0%	\$293,801	6.7%	41	65.1%	\$1,773,843	40.5%	48	76.2%	\$454,106	10.4%	1 to 3	**	**	**	**	**	**	**	63	\$4,382,275
1983	14	19.7%	\$358,887	8.8%	44	62.0%	\$722,957	17.7%	57	80.3%	\$1,913,889	46.7%	0	0.0%	\$0	0.0%	16	22.5%	\$1,098,949	26.8%	71	\$4,094,682
1984	13	24.1%	\$966,141	22.9%	32	59.3%	\$507,510	12.0%	39	72.2%	\$1,686,793	40.0%	0	0.0%	\$0	0.0%	17	31.5%	\$1,053,091	25.0%	54	\$4,213,535
1985	14	27.5%	\$536,090	10.6%	34	66.7%	\$2,417,037	47.7%	37	72.5%	\$1,414,121	27.9%	0	0.0%	\$0	0.0%	10	19.6%	\$704,431	13.9%	51	\$5,071,678
1986	10	16.4%	\$112,826	2.4%	40	65.6%	\$1,405,260	29.6%	43	70.5%	\$825,018	17.4%	0	0.0%	\$0	0.0%	25	41.0%	\$2,407,357	50.7%	61	\$4,750,461
1987	**	**	**	**	32	47.8%	\$1,025,524	19.0%	38	56.7%	\$1,316,873	24.4%	1 to 3	**	**	**	**	**	**	**	67	\$5,407,618
1988	**	**	**	**	32	44.4%	\$1,458,294	8.6%	49	68.1%	\$6,004,722	35.5%	1 to 3	**	**	**	**	**	**	**	72	\$16,905,481
1989	11	17.2%	\$196,467	4.0%	10	15.6%	\$340,003	7.0%	57	89.1%	\$3,468,403	71.4%	0	0.0%	\$0	0.0%	19	29.7%	\$849,814	17.5%	64	\$4,854,687
1990	8	11.3%	\$134,513	5.1%	47	66.2%	\$533,423	20.4%	56	78.9%	\$897,511	34.3%	30	42.3%	\$1,053,937	40.2%	30	42.3%	\$1,053,937	40.2%	71	\$2,619,383
1991	6	8.8%	\$131,237	5.5%	35	51.5%	\$299,857	12.7%	50	73.5%	\$1,013,003	42.8%	0	0.0%	\$0	0.0%	33	48.5%	\$924,000	39.0%	68	\$2,368,097
1992	7	11.5%	\$78,928	4.2%	5	8.2%	\$6,926	0.4%	53	86.9%	\$1,038,448	55.5%	0	0.0%	\$0	0.0%	23	37.7%	\$746,710	39.9%	61	\$1,871,012
1993	6	11.8%	\$9,686	0.7%	21	41.2%	\$144,796	10.5%	42	82.4%	\$901,401	65.2%	0	0.0%	\$0	0.0%	14	27.5%	\$326,026	23.6%	51	\$1,381,909
1994	6	20.0%	\$97,726	7.9%	6	20.0%	\$86,625	7.0%	25	83.3%	\$886,251	72.1%	0	0.0%	\$0	0.0%	8	26.7%	\$159,025	12.9%	30	\$1,229,626
1995	19	41.3%	\$231,652	7.5%	13	28.3%	\$344,798	11.2%	39	84.8%	\$2,028,872	65.8%	0	0.0%	\$0	0.0%	7	15.2%	\$477,814	15.5%	46	\$3,083,136
1996	17	50.0%	\$290,218	11.0%	1 to 3	**	**	**	29	85.3%	\$2,089,006	79.5%	0	0.0%	\$0	0.0%	1 to 3	**	**	**	34	\$2,628,580
1997	**	**	**	**	9	39.1%	\$129,929	11.5%	19	82.6%	\$875,504	77.2%	0	0.0%	\$0	0.0%	1 to 3	**	**	**	23	\$1,134,201
1998	7	17.9%	\$97,697	6.3%	10	25.6%	\$193,964	12.5%	35	89.7%	\$1,221,093	78.5%	0	0.0%	\$0	0.0%	4	10.3%	\$42,732	2.7%	39	\$1,555,485
1999	11	25.6%	\$210,099	7.7%	8	18.6%	\$511,457	18.8%	37	86.0%	\$1,796,052	66.0%	0	0.0%	\$0	0.0%	6	14.0%	\$203,575	7.5%	43	\$2,721,183
2000	13	36.1%	\$161,397	11.4%	11	30.6%	\$359,055	25.3%	29	80.6%	\$578,557	40.8%	0	0.0%	\$0	0.0%	10	27.8%	\$317,686	22.4%	36	\$1,416,695
2001	1 to 3	**	**	**	**	**	**	**	19	76.0%	\$474,397	49.2%	0	0.0%	\$0	0.0%	7	28.0%	\$417,562	43.3%	25	\$965,080
2002	7	28.0%	\$62,344	5.7%	11	44.0%	\$283,646	26.1%	19	76.0%	\$493,487	45.5%	0	0.0%	\$0	0.0%	5	20.0%	\$245,776	22.6%	25	\$1,085,253
2003	10	38.5%	\$32,454	1.6%	**	**	**	**	21	80.8%	\$1,699,576	84.7%	0	0.0%	\$0	0.0%	1 to 3	**	**	**	26	\$2,007,649
2004	8	33.3%	\$108,496	12.0%	9	37.5%	\$137,589	15.2%	19	79.2%	\$139,906	15.5%	0	0.0%	\$0	0.0%	6	25.0%	\$516,453	57.2%	24	\$902,444
2005	15	51.7%	\$98,202	10.3%	5	17.2%	\$65,386	6.9%	23	79.3%	\$326,993	34.3%	0	0.0%	\$0	0.0%	8	27.6%	\$463,620	48.6%	29	\$954,200
2006	13	54.2%	\$235,005	12.8%	11	45.8%	\$720,205	39.1%	16	66.7%	\$305,988	16.6%	0	0.0%	\$0	0.0%	5	20.8%	\$578,617	31.4%	24	\$1,839,815
2007	11	57.9%	\$76,353	5.9%	5	26.3%	\$271,874	21.0%	13	68.4%	\$326,503	25.2%	0	0.0%	\$0	0.0%	4	21.1%	\$618,752	47.8%	19	\$1,293,482
2008	11	44.0%	\$472,236	12.4%	16	64.0%	\$1,223,549	32.2%	13	52.0%	\$507,379	13.4%	0	0.0%	\$0	0.0%	11	44.0%	\$1,596,795	42.0%	25	\$3,799,958
2009	0	0.0%	\$0	0.0%	11	84.6%	\$884,614	56.4%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	9	69.2%	\$684,464	43.6%	13	\$1,569,077
2010	0	0.0%	\$0	0.0%	10	71.4%	\$533,040	48.6%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	9	64.3%	\$564,839	51.4%	14	\$1,097,879
2011	16	69.6%	\$466,203	21.3%	13	56.5%	\$999,255	45.7%	5	21.7%	\$89,800	4.1%	0	0.0%	\$0	0.0%	10	43.5%	\$633,237	28.9%	23	\$2,188,495
2012	0	0.0%	\$0	0.0%	15	93.8%	\$420,672	36.3%	11	68.8%	\$293,198	25.3%	0	0.0%	\$0	0.0%	6	37.5%	\$445,659	38.4%	16	\$1,159,529
2013	0	0.0%	\$0	0.0%	11	91.7%	\$2,675,734	77.9%	12	100.0%	\$402,907	11.7%	0	0.0%	\$0	0.0%	5	41.7%	\$354,347	10.3%	12	\$3,432,988
2014	1 to 3	**	**	**	15	75.0%	\$691,589	58.0%	16	80.0%	\$313,378	26.3%	0	0.0%	\$0	0.0%	**	**	**	**	20	\$1,192,654
2015	1 to 3	**	**	**	19	100.0%	\$2,960,039	84.5%	14	73.7%	\$490,370	14.0%	0	0.0%	\$0	0.0%	1 to 3	**	**	**	19	\$3,500,945

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (\*\*) due to reasons of confidentiality.
- Some Permits are used to record landings in more than one district.
- 1975 and 1976 have been omitted from Table 15 because those were the only years in which small amounts were harvested in districts 242, 243, 244, and 248.

## **Cook Inlet Salmon Drift Gillnet Fishery**

### **S03H Permit Holdings**

License limitation permits for the Cook Inlet salmon drift gillnet fishery (S03H permits) were issued starting in 1975. Table 16 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 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 16. Initial Issuance and Year-end 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Total</i>	<i>Percentage</i>
Local	367	64.0%	66	18.0%	-46	-12.5%	-1	-0.3%	386	67.8%
Nonlocal	21	3.7%	3	14.3%	-2	-9.5%	0	0.0%	22	3.9%
Nonresident	185	32.3%	-69	-37.3%	48	25.9%	-3	-1.6%	161	28.3%
<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>-4</b>	<b>-0.7%</b>	<b>569</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. Two of the four cancelled permits were due to nonpayment.

## 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>6</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 17. Transfer Acquisition Methods for Cook Inlet Salmon Drift Gillnet Permits, 1980-2015

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>	628	33.9%	1,912	41.5%	3,443	31.8%	13,007	36.1%
<i>Sale</i>	1,128	60.8%	2,450	53.2%	6,857	63.3%	21,327	59.2%
<i>Trade</i>	30	1.6%	54	1.2%	116	1.1%	498	1.4%
<i>Other</i>	69	3.7%	186	4.0%	418	3.9%	1,185	3.3%
<b>Total</b>	<b>1,855</b>		<b>4,602</b>		<b>10,834</b>		<b>36,017</b>	

Table 17 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 2015. During the 1980 – 2015 period, over half of all S03H transfers were sales (60.8% or 1,128/1,855), about one third are gifts (33.9% or 628/1,855), and a smaller percentage were trades (1.6% or 30/1,855) or other (3.7% 69/1,855). The annual acquisition methods for the limited S03H permits have not changed substantially throughout the time period.<sup>7</sup>

Table 18. Relationships of Transferor to Transfer Recipients for Cook Inlet Salmon Drift Gillnet Permits, 1980-2015

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>	283	15.3%	928	20.2%	1,784	16.5%	6,632	18.4%
<i>Member of Immediate Family</i>	638	34.4%	1,603	34.8%	3,372	31.1%	12,153	33.7%
<i>Other Relative</i>	92	5.0%	306	6.6%	462	4.3%	1,683	4.7%
<i>Other</i>	842	45.4%	1,765	38.4%	5,216	48.1%	15,549	43.2%
<b>Total</b>	<b>1,855</b>		<b>4,602</b>		<b>10,834</b>		<b>36,017</b>	

Table 18 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 2015. Permit transfers, both between immediate family members and other relatives, total 39.4% (730/1,855) of all permit transfers for S03H permits compared to 41.5% (1,909/4,602) for all three Cook Inlet salmon permit types combined, 35.4% (3,834/10,834) for all statewide salmon drift gillnet permits, and 38.4% (13,836/36,017) for all limited entry permits statewide.

<sup>6</sup> CFEC implemented the transfer survey in 1980.

<sup>7</sup> See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2015*, CFEC Report No. 16-3N.



## S03H Permit Value

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

Table 19. CFEC Estimated Value of Cook Inlet Salmon Drift Gillnet Permits

Year	S03H Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	41	\$58,176	-	\$142,888	-
1983	53	\$69,919	-	\$166,385	-
1984	35	\$67,962	-	\$155,035	-
1985	39	\$62,605	-	\$137,904	-
1986	50	\$64,962	-	\$140,484	-
1987	25	\$86,944	-	\$181,401	-
1988	27	\$138,725	-	\$277,939	-
1989	32	\$176,844	-	\$338,024	-
1990	26	\$202,058	-	\$366,421	-
1991	29	\$177,500	\$25,800	\$308,888	\$44,897
1992	32	\$88,800	\$5,150	\$150,015	\$8,700
1993	22	\$89,800	\$9,650	\$147,295	\$15,828
1994	25	\$65,000	\$4,350	\$103,955	\$6,957
1995	30	\$85,500	\$17,000	\$132,972	\$26,439
1996	29	\$75,100	\$6,550	\$113,448	\$9,895
1997	33	\$75,800	\$11,850	\$111,937	\$17,499
1998	25	\$42,000	\$9,050	\$61,072	\$13,160
1999	22	\$25,200	\$2,950	\$35,851	\$4,197
2000	28	\$32,300	\$3,600	\$44,458	\$4,955
2001	12	\$22,300	\$5,150	\$29,845	\$6,892
2002	11	\$11,700	\$3,550	\$15,415	\$4,677
2003	20	\$15,700	\$3,600	\$20,224	\$4,637
2004	45	\$20,300	\$4,150	\$25,471	\$5,207
2005	28	\$39,300	\$6,650	\$47,695	\$8,070
2006	21	\$28,800	\$3,750	\$33,860	\$4,409
2007	22	\$29,200	\$2,400	\$33,379	\$2,743
2008	22	\$35,200	\$3,400	\$38,750	\$3,743
2009	23	\$27,600	\$1,000	\$30,492	\$1,105
2010	35	\$31,700	\$8,850	\$34,456	\$9,620
2011	38	\$51,700	\$6,250	\$54,476	\$6,586
2012	36	\$76,400	\$5,200	\$78,870	\$5,368
2013	28	\$83,100	\$7,200	\$84,548	\$7,325
2014	22	\$74,400	\$6,350	\$74,488	\$6,358
2015	20	\$63,500	\$9,750	\$63,500	\$9,750

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S03H Permits

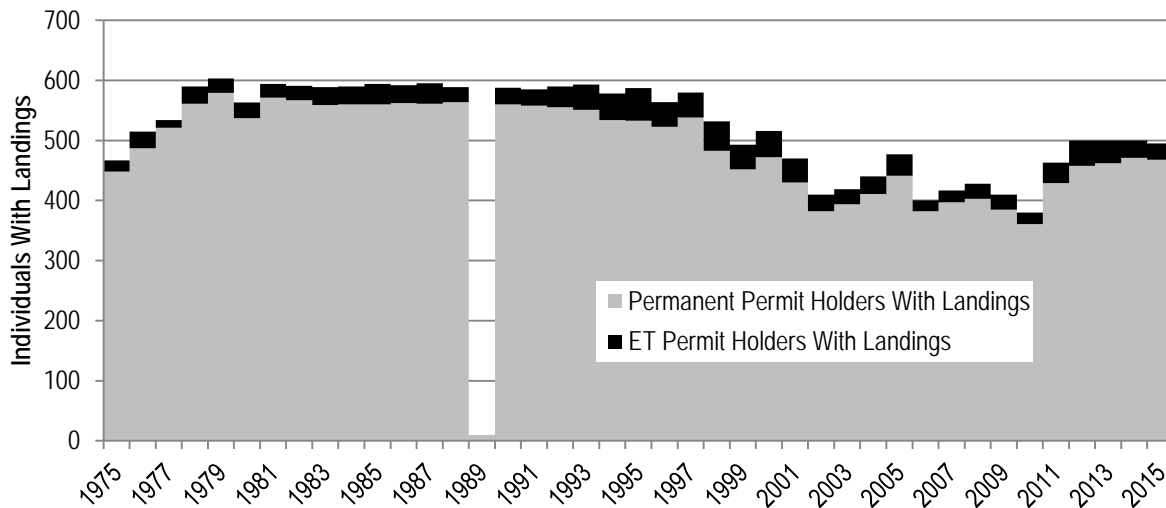
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

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

Table 20. Use of Emergency Transfer Permits in the Cook Inlet Drift Gillnet Fishery, 1975-2015

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	467	19	4.1%	1989	10	0	0.0%	2003	419	25	6.0%
1976	515	28	5.4%	1990	588	28	4.8%	2004	440	29	6.6%
1977	534	13	2.4%	1991	585	27	4.6%	2005	477	36	7.5%
1978	590	29	4.9%	1992	590	35	5.9%	2006	400	18	4.5%
1979	603	24	4.0%	1993	593	42	7.1%	2007	417	20	4.8%
1980	563	26	4.6%	1994	578	44	7.6%	2008	428	25	5.8%
1981	594	23	3.9%	1995	587	54	9.2%	2009	410	25	6.1%
1982	591	24	4.1%	1996	564	41	7.3%	2010	380	19	5.0%
1983	589	30	5.1%	1997	580	42	7.2%	2011	463	34	7.3%
1984	590	30	5.1%	1998	532	49	9.2%	2012	500	42	8.4%
1985	594	34	5.7%	1999	493	41	8.3%	2013	500	38	7.6%
1986	592	30	5.1%	2000	516	44	8.5%	2014	500	29	5.8%
1987	595	34	5.7%	2001	470	40	8.5%	2015	495	27	5.5%
1988	589	25	4.2%	2002	410	28	6.8%				

Figure 5. Use of Emergency Transfer Permits in the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2015



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

## Latent S03H Permits

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

Table 21 indicates the total number of viable 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. Permits used to make commercial landings in dual permit operations are counted as well even if all the landings were recorded on the other permit. The rate of latency is depicted in Figure 6.

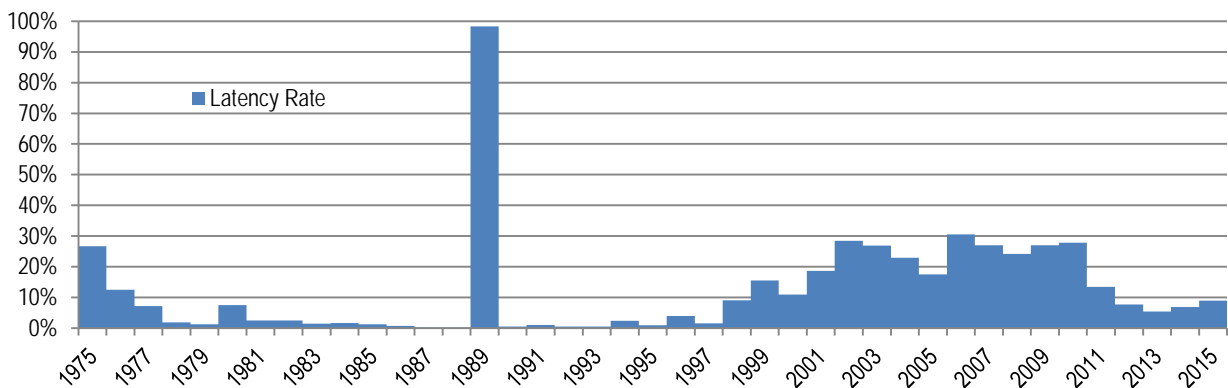
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 21. Cook Inlet Salmon Drift Gillnet Permit Latency, 1975-2015

Year	Permits Issued	Permits Fished	Latency Rate
1975	636	466	26.7%
1976	584	511	12.5%
1977	572	531	7.2%
1978	589	578	1.9%
1979	599	592	1.2%
1980	598	553	7.5%
1981	599	584	2.5%
1982	592	577	2.5%
1983	588	580	1.4%
1984	588	578	1.7%
1985	591	584	1.2%
1986	588	584	0.7%
1987	586	585	0.2%
1988	585	584	0.2%
1989	585	10	98.3%
1990	585	582	0.5%
1991	584	578	1.0%
1992	583	580	0.5%
1993	583	580	0.5%
1994	583	569	2.4%
1995	582	577	0.9%
1996	583	560	3.9%
1997	581	572	1.5%
1998	581	528	9.1%
1999	576	487	15.5%
2000	576	513	10.9%
2001	574	467	18.6%
2002	572	409	28.5%
2003	572	418	26.9%
2004	571	440	22.9%
2005	571	471	17.5%
2006	570	396	30.5%
2007	571	417	27.0%
2008	571	433	24.2%
2009	570	416	27.0%
2010	569	411	27.8%
2011	569	493	13.4%
2012	569	525	7.7%
2013	569	538	5.4%
2014	569	530	6.9%
2015	569	518	9.0%

- o 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.
- o Counts from the CFEC on-line Basic Information Tables may differ from 'Permits Fished' in the table above, because all permits that were used dual permit operations to record commercial landings are counted, regardless of which permit the landings were recorded on.

Figure 6. Cook Inlet Salmon Drift Gillnet Permit Latency, 1975-2015



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

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

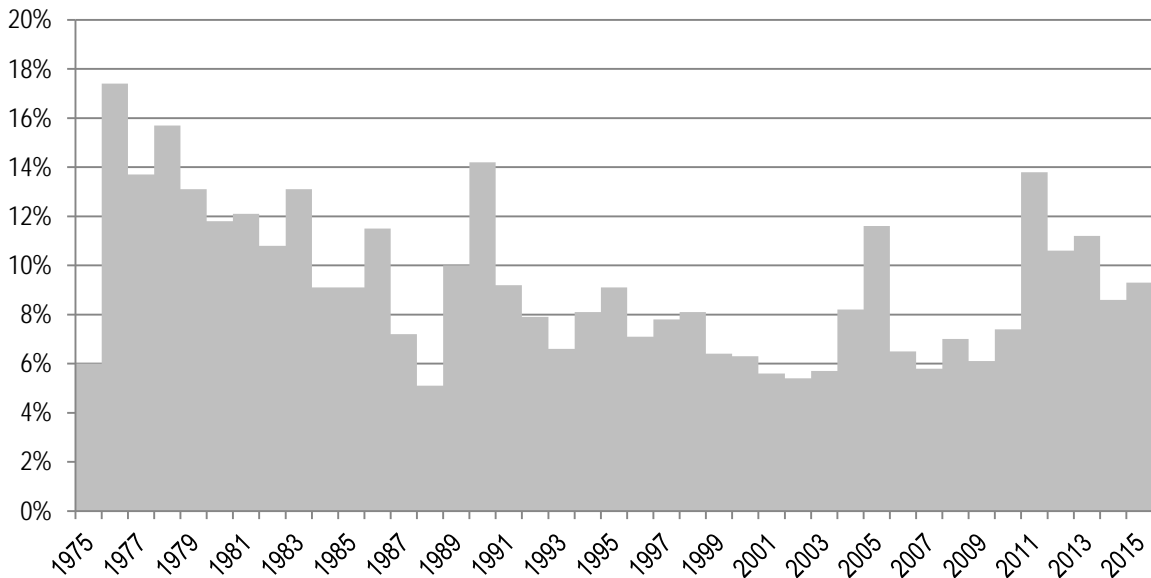
Table 22 and Figure 7 describe individuals rather than permits. An individual may hold up to two permits for the same fishery, but can only fish one of them. An individual may hold one S03H permit one year, and then in subsequent years hold a different S03H permit. Likewise, individuals may enter and 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.

Table 22. New Entrants into the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2015

Individuals				Individuals				Individuals				Individuals			
Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	Percent
1975	266	16	6.0%	1986	564	65	11.5%	1997	566	44	7.8%	2008	428	30	7.0%
1976	453	79	17.4%	1987	567	41	7.2%	1998	520	42	8.1%	2009	410	25	6.1%
1977	504	69	13.7%	1988	565	29	5.1%	1999	487	31	6.4%	2010	380	28	7.4%
1978	548	86	15.7%	1989	10	1	10.0%	2000	510	32	6.3%	2011	463	64	13.8%
1979	557	73	13.1%	1990	565	80	14.2%	2001	468	26	5.6%	2012	500	53	10.6%
1980	526	62	11.8%	1991	563	52	9.2%	2002	409	22	5.4%	2013	500	56	11.2%
1981	552	67	12.1%	1992	567	45	7.9%	2003	418	24	5.7%	2014	500	43	8.6%
1982	556	60	10.8%	1993	574	38	6.6%	2004	438	36	8.2%	2015	495	46	9.3%
1983	558	73	13.1%	1994	558	45	8.1%	2005	476	55	11.6%				
1984	558	51	9.1%	1995	569	52	9.1%	2006	400	26	6.5%				
1985	562	51	9.1%	1996	550	39	7.1%	2007	417	24	5.8%				

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

Figure 7. New Entrants into the Cook Inlet Salmon Drift Gillnet Fishery, 1975-2015



## Age of S03H Permit Holders

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

Year	Cook Inlet S03H	Cook Inlet Salmon Combined	Statewide Salmon Drift Gillnet	Statewide All Permits	AK Median Age
1975	46.6	42.1	44.0	42.9	24.3
1976	45.3	41.1	43.0	41.3	24.7
1977	43.9	40.3	42.0	40.5	25.1
1978	43.2	40.0	41.6	40.1	25.4
1979	43.0	39.4	41.7	40.1	25.8
1980	43.5	39.3	41.6	39.6	26.0
1981	43.4	39.4	41.2	39.5	26.4
1982	42.2	39.3	40.5	39.5	26.8
1983	41.9	39.4	40.4	39.6	27.1
1984	41.3	38.9	40.7	39.9	27.3
1985	42.1	39.1	40.9	40.1	27.5
1986	41.1	39.4	40.7	40.1	27.8
1987	41.7	39.6	41.1	40.4	28.2
1988	41.8	40.0	41.3	40.6	28.6
1989	42.3	40.1	41.5	41.0	29.0
1990	42.5	40.2	42.0	41.4	29.3
1991	43.2	40.8	42.3	41.9	29.7
1992	43.7	41.0	42.8	42.4	30.1
1993	44.2	41.9	43.1	43.0	30.5
1994	44.1	42.5	43.7	43.5	30.8
1995	44.6	42.9	43.9	43.9	31.1
1996	44.9	43.7	44.3	44.5	31.5
1997	45.2	44.0	45.0	45.0	31.8
1998	45.7	44.7	45.4	45.6	32.1
1999	46.9	45.6	45.9	46.1	32.3
2000	47.6	46.2	46.5	46.6	32.4
2001	48.4	46.9	47.1	47.0	32.7
2002	49.2	47.8	47.9	47.7	33.0
2003	49.1	48.2	48.4	48.4	33.2
2004	48.8	48.2	48.8	48.8	33.4
2005	49.4	48.1	49.0	49.3	33.6
2006	48.7	48.6	49.5	49.7	33.8
2007	49.5	49.3	49.5	50.1	33.9
2008	50.0	49.5	49.9	50.5	33.9
2009	50.4	50.0	50.2	51.1	33.9
2010	51.1	50.4	50.4	51.4	33.8
2011	51.0	50.8	50.6	51.8	33.9
2012	51.1	51.4	50.9	52.1	34.1
2013	50.1	51.7	50.8	52.4	34.3
2014	50.8	52.2	51.0	52.7	34.3
2015	50.9	52.8	51.2	53.3	34.5

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

Table 23 shows the annual median age of five different cohorts of people: 1) Cook Inlet salmon drift gillnet (S03H) permit holders; 2) all three (S01H, S03H, and S04H) Cook Inlet salmon permit holders; 3) statewide salmon drift gillnet permit holders; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and nontransferable permits; however, there were no nontransferable S03H permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), 16.5% (7.2 years) for the statewide drift gillnet permit holders, and 25.3% (10.7 years) for the combined Cook Inlet salmon permit holders.

For S03H permit holders, the median age increased 9.3% (4.3 years).

## Cook Inlet Salmon Drift Gillnet Vessel Characteristics

Table 24 reports on various vessel characteristics of the Cook Inlet salmon drift gillnet fleet since 1978. This data is 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.

Table 24. Cook Inlet Salmon Drift Gillnet Vessel Characteristics

Year	Vessel Count	Age				Length in Feet				Net Tons				Horsepower				Hold Capacity Cubic Feet			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	605	553	2	8	15	565	29	32	33	480	4	7	10	552	160	200	265	317	150	250	360
1979	622	573	2	9	15	580	30	32	34	496	4	7	10	551	165	210	280	332	160	264	400
1980	578	537	3	7	15	544	30	32	34	477	5	8	11	517	170	210	290	315	170	270	400
1981	605	573	3	8	15	578	30	32	35	528	5	8	11	556	178	210	290	343	170	264	400
1982	588	555	4	9	16	557	30	32	34	511	5	8	11	537	175	215	290	341	170	264	400
1983	598	571	5	9	17	571	30	32	35	525	5	9	11	562	185	225	300	366	180	280	400
1984	609	562	6	10	17	560	30	32	35	526	5	9	11	557	185	235	310	365	180	300	400
1985	684	578	7	10	18	578	30	32	35	537	5	9	12	571	185	240	320	387	190	300	400
1986	658	590	8	11	18	591	31	32	35	555	5	9	11	588	185	250	330	410	200	300	400
1987	652	604	8	11	19	607	31	32	35	561	5	9	12	600	195	250	330	412	200	300	400
1988	657	608	9	11	19	609	32	32	36	557	6	10	12	601	200	260	340	410	200	300	400
1989	10	10	10	12	21	10	33	35	36	9	7	9	12	10	165	292	500	8	228	375	450
1990	625	605	8	12	20	604	32	34	37	550	7	10	14	599	210	300	375	401	216	320	450
1991	615	594	6	13	20	593	32	34	38	546	7	11	14	589	221	311	400	394	230	345	462
1992	642	597	6	14	21	596	32	34	38	551	8	11	14	592	223	320	404	403	250	350	500
1993	632	595	6	15	21	593	32	34	38	545	8	11	14	592	240	320	410	398	250	355	500
1994	565	519	7	16	21	519	32	35	38	483	8	11	14	516	228	320	425	346	250	361	500
1995	583	583	9	17	22	583	32	35	38	543	8	11	14	578	250	320	425	387	240	350	500
1996	563	563	10	18	23	563	32	35	38	522	8	11	14	561	250	320	425	368	240	350	480
1997	575	575	10	19	24	575	32	35	38	535	8	11	14	573	250	320	425	374	240	350	480
1998	527	527	11	20	25	527	32	35	38	495	8	11	14	527	250	320	425	336	240	350	480
1999	487	487	13	21	26	487	32	35	38	457	8	11	14	487	250	320	425	306	240	350	480
2000	510	510	14	22	27	510	32	35	38	480	8	11	14	510	250	320	425	333	227	350	480
2001	466	465	15	23	28	465	32	35	38	437	8	11	14	464	250	330	425	305	230	350	500
2002	409	409	16	24	31	409	32	35	38	384	8	11	14	408	250	320	420	262	240	354	490
2003	412	412	16	25	30	412	32	35	38	386	8	11	15	409	250	320	425	262	240	355	484
2004	435	435	17	26	31	435	32	35	38	405	8	11	14	430	250	320	425	274	240	360	500
2005	468	468	18	27	32	468	32	35	38	440	8	11	14	465	250	330	425	287	240	375	500
2006	396	396	20	28	33	396	32	35	38	371	8	11	14	395	250	320	420	249	250	375	500
2007	415	415	21	28	34	415	32	35	38	388	8	11	14	413	250	330	425	253	240	360	500
2008	415	415	21	29	35	415	32	35	38	389	8	11	14	412	250	330	425	251	240	375	500
2009	388	388	22	30	35	388	32	35	39	362	8	11	15	386	250	330	425	235	240	375	500
2010	353	353	23	31	36	353	32	35	39	325	8	11	14	349	250	330	420	216	240	377	500
2011	426	426	24	32	38	426	32	35	38	397	8	11	14	420	250	330	420	262	240	359	500
2012	460	460	24	33	38	460	32	35	38	428	8	11	14	452	260	330	425	271	240	350	500
2013	473	473	25	34	39	473	32	35	38	445	9	11	15	466	275	350	425	286	240	368	500
2014	483	483	26	35	40	483	32	34	38	450	8	11	15	473	270	350	425	291	240	350	500
2015	467	466	27	36	40	466	32	35	38	437	8	11	15	457	275	350	430	283	240	350	500

Cook Inlet Salmon Drift Gillnet (S03H)

Table 25 provides additional Cook Inlet salmon drift gillnet vessel characteristics. Included are statistics of engine power type and hull material for each year since 1978.

Table 25. Additional Cook Inlet Salmon Drift Gillnet Vessel Characteristics

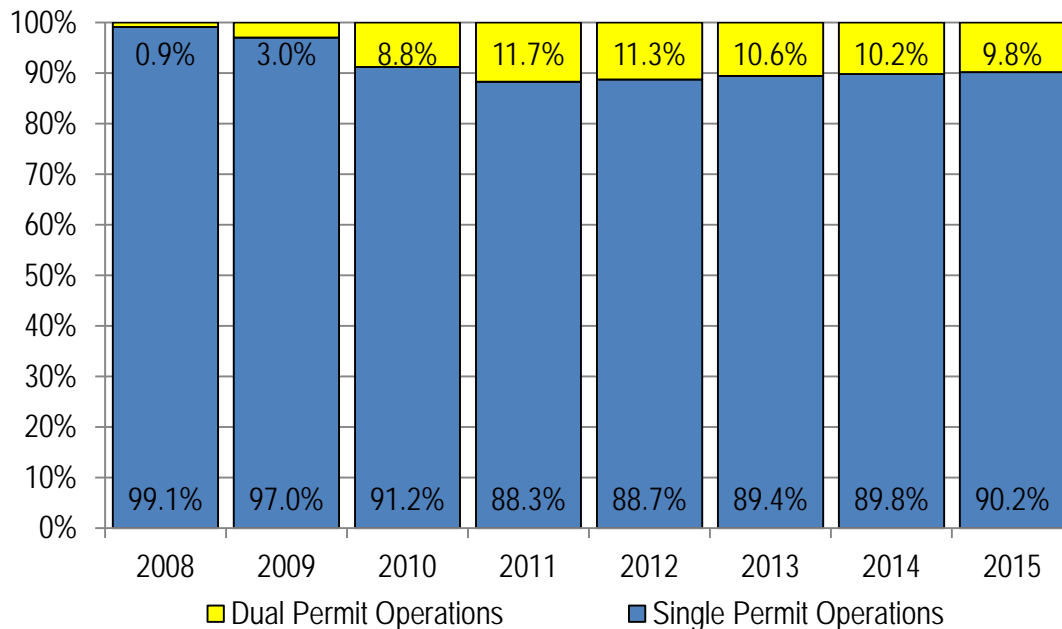
Year	Vessel Count	Engine Type				Hull Material					
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Concrete	Steel	Wood	
1978	605	571	251 44.0%	320 56.0%	568	135 23.8%	255 44.9%	0 0.0%	18 3.2%	160 28.2%	
1979	622	584	276 47.3%	308 52.7%	578	142 24.6%	283 49.0%	0 0.0%	15 2.6%	138 23.9%	
1980	578	548	271 49.5%	277 50.5%	545	140 25.7%	278 51.0%	1 0.2%	11 2.0%	115 21.1%	
1981	605	582	312 53.6%	270 46.4%	579	143 24.7%	313 54.1%	0 0.0%	9 1.6%	114 19.7%	
1982	588	559	300 53.7%	259 46.3%	557	145 26.0%	302 54.2%	0 0.0%	9 1.6%	101 18.1%	
1983	598	573	322 56.2%	251 43.8%	575	152 26.4%	320 55.7%	0 0.0%	10 1.7%	93 16.2%	
1984	609	564	332 58.9%	232 41.1%	562	142 25.3%	334 59.4%	0 0.0%	7 1.2%	79 14.1%	
1985	684	579	343 59.2%	236 40.8%	578	151 26.1%	344 59.5%	0 0.0%	8 1.4%	75 13.0%	
1986	658	592	349 59.0%	243 41.0%	592	153 25.8%	359 60.6%	0 0.0%	6 1.0%	74 12.5%	
1987	652	606	368 60.7%	238 39.3%	608	154 25.3%	386 63.5%	0 0.0%	5 0.8%	63 10.4%	
1988	657	608	392 64.5%	216 35.5%	610	162 26.6%	387 63.4%	0 0.0%	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%	0 0.0%	
1990	625	605	415 68.6%	190 31.4%	605	171 28.3%	394 65.1%	0 0.0%	6 1.0%	34 5.6%	
1991	615	593	421 71.0%	172 29.0%	593	169 28.5%	391 65.9%	0 0.0%	4 0.7%	29 4.9%	
1992	642	597	433 72.5%	164 27.5%	597	174 29.1%	395 66.2%	0 0.0%	3 0.5%	25 4.2%	
1993	632	595	437 73.4%	158 26.6%	594	165 27.8%	405 68.2%	0 0.0%	3 0.5%	21 3.5%	
1994	565	518	389 75.1%	129 24.9%	518	137 26.4%	360 69.5%	1 0.2%	4 0.8%	16 3.1%	
1995	583	582	428 73.5%	154 26.5%	583	161 27.6%	402 69.0%	0 0.0%	2 0.3%	18 3.1%	
1996	563	562	415 73.8%	147 26.2%	563	159 28.2%	386 68.6%	0 0.0%	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%	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%	0 0.0%	14 2.7%	
1999	487	485	362 74.6%	123 25.4%	487	145 29.8%	328 67.4%	0 0.0%	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%	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%	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%	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%	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%	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%	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%	0 0.0%	6 1.5%	
2007	415	411	319 77.6%	92 22.4%	415	120 28.9%	290 69.9%	0 0.0%	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%	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%	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%	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%	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%	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%	0 0.0%	1 0.2%	
2014	483	480	378 78.8%	102 21.3%	483	136 28.2%	346 71.6%	0 0.0%	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%	0 0.0%	1 0.2%	

## S03H Dual Permit Operations

The Alaska Board of Fisheries 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 no longer registered as dual operation; however, dual participation has been documented in fish tickets.

Figure 8 reports the percentage of landings for both single and dual permit operations by year between 2008 and 2015. 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 8. Cook Inlet Drift Gillnet Permit Landings by Operation Type, 2008 – 2015



In 2008, less than 1% of all landings were made by dual permit operations. Since 2010, the rate of landings made by dual permit operations has fluctuated between 8.8% and 11.7%.

Table 26 shows counts of dual permit operations with the use of either permanently transferred permits, or temporary emergency transfer permits, or both; however, when a permit was used as an emergency transfer permit, then subsequently permanently transferred to the permit holder, the permit was only counted as a permanent permit. Also, a dual permit operation sometimes reforms with different permit holders and permits, so permit operation counts will not always compare to permit holder counts.



Table 26. Use of Emergency Transfer Permits in S03H Dual Permit Operations

Year	Both Permanent		One Permanent and One ET		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	43	78.2%	12	21.8%	0	0.0%	55
2011	50	76.9%	15	23.1%	0	0.0%	65
2012	49	83.1%	10	16.9%	0	0.0%	59
2013	52	78.8%	14	21.2%	0	0.0%	66
2014	50	83.3%	10	16.7%	0	0.0%	60
2015	54	90.0%	6	10.0%	0	0.0%	60

Table 27 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 27. Resident Type of Individuals in S03H Dual Permit Operations

Year	Both Local		Both Nonlocal		Both Nonresident		Local and Nonlocal		Local and Nonresident		Nonlocal and Nonresident		Total
	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	43	74.1%	2	3.4%	4	6.9%	1	1.7%	8	13.8%	0	0.0%	58
2011	50	76.9%	2	3.1%	6	9.2%	0	0.0%	6	9.2%	1	1.5%	65
2012	37	62.7%	2	3.4%	10	16.9%	1	1.7%	9	15.3%	0	0.0%	59
2013	37	53.6%	1	1.4%	13	18.8%	2	2.9%	14	20.3%	2	2.9%	69
2014	39	67.2%	2	3.4%	8	13.8%	1	1.7%	7	12.1%	1	1.7%	58
2015	34	56.7%	2	3.3%	6	10.0%	1	1.7%	15	25.0%	2	3.3%	60

Table 28 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.

Note that Table 26 counts dual permit operations, while Tables 27 and 28 count individuals.

Table 28. 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	Percent Of Total Gross Earnings
2008	Local	Dual	12	\$131,168	\$10,931	2.7%	1.5%
		Single	292	\$6,018,289	\$20,611	65.6%	69.9%
		Combined	304	\$6,149,457	\$20,228	68.3%	71.4%
	Nonlocal	Single	12	\$220,345	\$18,362	2.7%	2.6%
		Combined	12	\$220,345	\$18,362	2.7%	2.6%
	Nonresident	Dual	6	\$22,999	\$3,833	1.3%	0.3%
		Single	123	\$2,219,183	\$18,042	27.6%	25.8%
		Combined	129	\$2,242,181	\$17,381	29.0%	26.0%
	<b>Total</b>	<b>Dual</b>	<b>18</b>	<b>\$154,167</b>	<b>\$8,565</b>	<b>4.0%</b>	<b>1.8%</b>
<b>Single</b>		<b>427</b>	<b>\$8,457,816</b>	<b>\$19,808</b>	<b>96.0%</b>	<b>98.2%</b>	
<b>Combined</b>		<b>445</b>	<b>\$8,611,983</b>	<b>\$19,353</b>	<b>100.0%</b>	<b>100.0%</b>	
2009	Local	Dual	36	\$302,972	\$8,416	8.0%	3.3%
		Single	280	\$6,277,972	\$22,421	62.5%	69.3%
		Combined	316	\$6,580,944	\$20,826	70.5%	72.6%
	Nonlocal	Dual	1 to 3	**	**	**	**
		Single	**	**	**	**	**
		Combined	17	\$298,081	\$17,534	3.8%	3.3%
	Nonresident	Dual	1 to 3	**	**	**	**
		Single	**	**	**	**	**
		Combined	115	\$2,182,612	\$18,979	25.7%	24.1%
<b>Total</b>	<b>Dual</b>	<b>42</b>	<b>\$363,459</b>	<b>\$8,654</b>	<b>9.4%</b>	<b>4.0%</b>	
	<b>Single</b>	<b>406</b>	<b>\$8,698,178</b>	<b>\$21,424</b>	<b>90.6%</b>	<b>96.0%</b>	
	<b>Combined</b>	<b>448</b>	<b>\$9,061,637</b>	<b>\$20,227</b>	<b>100.0%</b>	<b>100.0%</b>	
2010	Local	Dual	91	\$2,798,605	\$30,754	18.9%	13.3%
		Single	254	\$12,108,165	\$47,670	52.8%	57.7%
		Combined	345	\$14,906,771	\$43,208	71.7%	71.1%
	Nonlocal	Dual	5	\$163,504	\$32,701	1.0%	0.8%
		Single	14	\$617,364	\$44,097	2.9%	2.9%
		Combined	19	\$780,867	\$41,098	4.0%	3.7%
	Nonresident	Dual	15	\$372,837	\$24,856	3.1%	1.8%
		Single	102	\$4,918,327	\$48,219	21.2%	23.4%
		Combined	117	\$5,291,165	\$45,224	24.3%	25.2%
<b>Total</b>	<b>Dual</b>	<b>111</b>	<b>\$3,334,946</b>	<b>\$30,045</b>	<b>23.1%</b>	<b>15.9%</b>	
	<b>Single</b>	<b>370</b>	<b>\$17,643,857</b>	<b>\$47,686</b>	<b>76.9%</b>	<b>84.1%</b>	
	<b>Combined</b>	<b>481</b>	<b>\$20,978,803</b>	<b>\$43,615</b>	<b>100.0%</b>	<b>100.0%</b>	
2011	Local	Dual	106	\$4,659,485	\$43,957	18.5%	14.6%
		Single	306	\$17,410,650	\$56,898	53.5%	54.4%
		Combined	412	\$22,070,135	\$53,568	72.0%	68.9%
	Nonlocal	Dual	5	\$321,878	\$64,376	0.9%	1.0%
		Single	12	\$708,478	\$59,040	2.1%	2.2%
		Combined	17	\$1,030,357	\$60,609	3.0%	3.2%
	Nonresident	Dual	19	\$614,218	\$32,327	3.3%	1.9%
		Single	124	\$8,294,470	\$66,891	21.7%	25.9%
		Combined	143	\$8,908,688	\$62,299	25.0%	27.8%
<b>Total</b>	<b>Dual</b>	<b>130</b>	<b>\$5,595,581</b>	<b>\$43,043</b>	<b>22.7%</b>	<b>17.5%</b>	
	<b>Single</b>	<b>442</b>	<b>\$26,413,598</b>	<b>\$59,759</b>	<b>77.3%</b>	<b>82.5%</b>	
	<b>Combined</b>	<b>572</b>	<b>\$32,009,179</b>	<b>\$55,960</b>	<b>100.0%</b>	<b>100.0%</b>	

\* Adjusted for inflating using the U.S. Bureau of Labor Statistics 2015 Consumer Price Index.

Table 28. Earnings of S03H Permit Holders by Resident and Operation Type (Continued)

Year	Residency	Operation Type	Permit Holders with Landings	Total Gross Earnings	Average Gross Earnings	Percent Of Total Permit Holders with Landings	Percent Of Total Gross Earnings
2012	Local	Dual	84	\$3,964,153	\$47,192	14.5%	12.6%
		Single	312	\$17,694,414	\$56,713	54.0%	56.1%
		<b>Combined</b>	<b>396</b>	<b>\$21,658,567</b>	<b>\$54,693</b>	<b>68.5%</b>	<b>68.7%</b>
	Nonlocal	Dual	5	\$190,181	\$38,036	0.9%	0.6%
		Single	17	\$1,061,541	\$62,444	2.9%	3.4%
		<b>Combined</b>	<b>22</b>	<b>\$1,251,722</b>	<b>\$56,896</b>	<b>3.8%</b>	<b>4.0%</b>
	Nonresident	Dual	28	\$951,059	\$33,966	4.8%	3.0%
		Single	132	\$7,672,728	\$58,127	22.8%	24.3%
		<b>Combined</b>	<b>160</b>	<b>\$8,623,786</b>	<b>\$53,899</b>	<b>27.7%</b>	<b>27.3%</b>
<b>Total</b>	<b>Dual</b>	<b>117</b>	<b>\$5,105,392</b>	<b>\$43,636</b>	<b>20.2%</b>	<b>16.2%</b>	
	<b>Single</b>	<b>461</b>	<b>\$26,428,683</b>	<b>\$57,329</b>	<b>79.8%</b>	<b>83.8%</b>	
	<b>Combined</b>	<b>578</b>	<b>\$31,534,075</b>	<b>\$54,557</b>	<b>100.0%</b>	<b>100.0%</b>	
2013	Local	Dual	88	\$3,095,475	\$35,176	14.4%	12.1%
		Single	325	\$15,091,474	\$46,435	53.4%	58.8%
		<b>Combined</b>	<b>413</b>	<b>\$18,186,949</b>	<b>\$44,036</b>	<b>67.8%</b>	<b>70.8%</b>
	Nonlocal	Dual	6	\$168,722	\$28,120	1.0%	0.7%
		Single	24	\$1,025,693	\$42,737	3.9%	4.0%
		<b>Combined</b>	<b>30</b>	<b>\$1,194,415</b>	<b>\$39,814</b>	<b>4.9%</b>	<b>4.7%</b>
	Nonresident	Dual	37	\$757,710	\$20,479	6.1%	3.0%
		Single	129	\$5,530,989	\$42,876	21.2%	21.5%
		<b>Combined</b>	<b>166</b>	<b>\$6,288,699</b>	<b>\$37,884</b>	<b>27.3%</b>	<b>24.5%</b>
<b>Total</b>	<b>Dual</b>	<b>131</b>	<b>\$4,021,907</b>	<b>\$30,702</b>	<b>21.5%</b>	<b>15.7%</b>	
	<b>Single</b>	<b>478</b>	<b>\$21,648,156</b>	<b>\$45,289</b>	<b>78.5%</b>	<b>84.3%</b>	
	<b>Combined</b>	<b>609</b>	<b>\$25,670,063</b>	<b>\$42,151</b>	<b>100.0%</b>	<b>100.0%</b>	
2014	Local	Dual	84	\$2,650,507	\$31,554	14.3%	12.1%
		Single	326	\$12,853,238	\$39,427	55.6%	58.6%
		<b>Combined</b>	<b>410</b>	<b>\$15,503,745</b>	<b>\$37,814</b>	<b>70.0%</b>	<b>70.7%</b>
	Nonlocal	Dual	7	\$212,061	\$30,294	1.2%	1.0%
		Single	22	\$782,388	\$35,563	3.8%	3.6%
		<b>Combined</b>	<b>29</b>	<b>\$994,449</b>	<b>\$34,291</b>	<b>4.9%</b>	<b>4.5%</b>
	Nonresident	Dual	23	\$573,330	\$24,927	3.9%	2.6%
		Single	124	\$4,851,783	\$39,127	21.2%	22.1%
		<b>Combined</b>	<b>147</b>	<b>\$5,425,113</b>	<b>\$36,906</b>	<b>25.1%</b>	<b>24.7%</b>
<b>Total</b>	<b>Dual</b>	<b>114</b>	<b>\$3,435,898</b>	<b>\$30,139</b>	<b>19.5%</b>	<b>15.7%</b>	
	<b>Single</b>	<b>472</b>	<b>\$18,487,409</b>	<b>\$39,168</b>	<b>80.5%</b>	<b>84.3%</b>	
	<b>Combined</b>	<b>586</b>	<b>\$21,923,306</b>	<b>\$37,412</b>	<b>100.0%</b>	<b>100.0%</b>	
2015	Local	Dual	84	\$1,173,166	\$13,966	14.4%	11.7%
		Single	321	\$6,253,863	\$19,482	54.9%	62.2%
		<b>Combined</b>	<b>405</b>	<b>\$7,427,029</b>	<b>\$18,338</b>	<b>69.2%</b>	<b>73.8%</b>
	Nonlocal	Dual	7	\$134,379	\$19,197	1.2%	1.3%
		Single	20	\$328,953	\$16,448	3.4%	3.3%
		<b>Combined</b>	<b>27</b>	<b>\$463,332</b>	<b>\$17,160</b>	<b>4.6%</b>	<b>4.6%</b>
	Nonresident	Dual	27	\$175,932	\$6,516	4.6%	1.7%
		Single	126	\$1,993,867	\$15,824	21.5%	19.8%
		<b>Combined</b>	<b>153</b>	<b>\$2,169,799</b>	<b>\$14,182</b>	<b>26.2%</b>	<b>21.6%</b>
<b>Total</b>	<b>Dual</b>	<b>118</b>	<b>\$1,483,477</b>	<b>\$12,572</b>	<b>20.2%</b>	<b>14.7%</b>	
	<b>Single</b>	<b>467</b>	<b>\$8,576,684</b>	<b>\$18,365</b>	<b>79.8%</b>	<b>85.3%</b>	
	<b>Combined</b>	<b>585</b>	<b>\$10,060,160</b>	<b>\$17,197</b>	<b>100.0%</b>	<b>100.0%</b>	

\* Adjusted for inflating using the U.S. Bureau of Labor Statistics 2015 Consumer Price Index.

## Participation and Earnings

Table 29 reports the number of permits, permits and vessels with landings, and estimated gross earnings in the Cook Inlet salmon drift gillnet fishery from 1975 to 2015. 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.

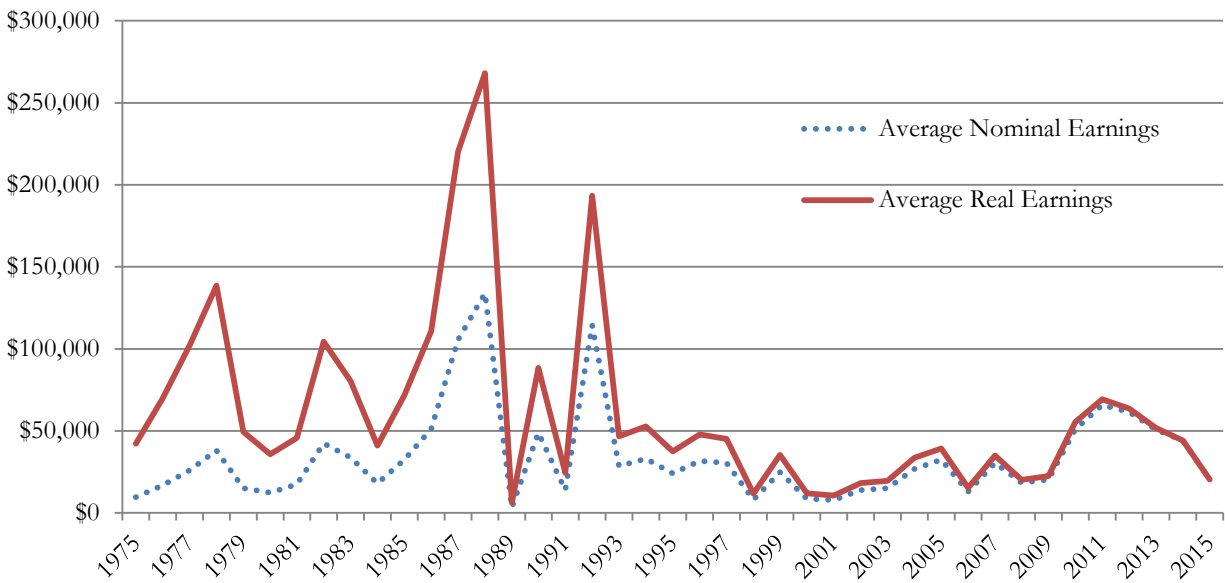
Table 30 reports the number of permit holders (people) and estimated gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 31 aggregates participation and earnings by district. Note that some permits are used to record landings in more than one district.

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 are shown in Figure 9 for both nominal and real (inflation-adjusted) dollars using the 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics. 2015 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 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 9. Estimated Nominal and Real Average Gross Earnings Per Cook Inlet Salmon Drift Gillnet Permit



- Real earnings are adjusted for inflation using the 2015 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 29. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet Salmon Drift Gillnet Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2015

Year	Viable Permits	Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	636	\$4,461,123	\$19,653,571	466	\$42,175	534	\$36,804
1976	584	\$8,569,607	\$35,696,704	511	\$69,857	563	\$63,404
1977	572	\$13,853,810	\$54,184,629	531	\$102,043	685	\$79,102
1978	589	\$22,033,557	\$80,097,048	578	\$138,576	605	\$132,392
1979	599	\$8,954,115	\$29,232,473	592	\$49,379	622	\$46,998
1980	598	\$6,894,765	\$19,832,239	553	\$35,863	578	\$34,312
1981	599	\$10,227,361	\$26,667,310	584	\$45,663	605	\$44,078
1982	592	\$24,514,672	\$60,211,337	577	\$104,352	588	\$102,400
1983	588	\$19,592,016	\$46,622,900	580	\$80,384	598	\$77,965
1984	588	\$10,381,576	\$23,682,484	578	\$40,973	609	\$38,887
1985	591	\$18,975,346	\$41,798,138	584	\$71,572	684	\$61,108
1986	588	\$29,948,905	\$64,766,420	584	\$110,901	658	\$98,429
1987	586	\$61,784,789	\$128,908,849	585	\$220,357	652	\$197,713
1988	585	\$78,128,882	\$156,533,164	584	\$268,036	657	\$238,254
1989	585	\$33,363	\$63,770	10	\$6,377	10	\$6,377
1990	585	\$28,384,895	\$51,474,390	582	\$88,444	625	\$82,359
1991	584	\$8,099,133	\$14,094,216	578	\$24,384	615	\$22,917
1992	583	\$66,362,059	\$112,109,310	580	\$193,292	642	\$174,625
1993	583	\$16,537,133	\$27,125,132	580	\$46,767	632	\$42,920
1994	583	\$18,766,136	\$30,012,775	569	\$52,747	565	\$53,120
1995	582	\$13,912,083	\$21,636,484	577	\$37,498	583	\$37,112
1996	583	\$17,736,374	\$26,793,003	560	\$47,845	563	\$47,590
1997	581	\$17,448,194	\$25,766,470	572	\$45,046	575	\$44,811
1998	581	\$4,303,378	\$6,257,508	528	\$11,851	527	\$11,874
1999	576	\$12,134,809	\$17,263,841	487	\$35,449	487	\$35,449
2000	576	\$4,438,593	\$6,109,303	513	\$11,909	510	\$11,979
2001	574	\$3,711,269	\$4,966,877	467	\$10,636	466	\$10,659
2002	572	\$5,686,049	\$7,491,330	409	\$18,316	409	\$18,316
2003	572	\$6,329,162	\$8,152,820	418	\$19,504	412	\$19,788
2004	571	\$11,798,178	\$14,803,434	440	\$33,644	435	\$34,031
2005	571	\$15,251,702	\$18,509,538	471	\$39,298	468	\$39,550
2006	570	\$5,159,160	\$6,065,519	396	\$15,317	396	\$15,317
2007	571	\$12,759,634	\$14,585,806	417	\$34,978	415	\$35,147
2008	571	\$7,823,008	\$8,611,983	433	\$19,889	415	\$20,752
2009	570	\$8,202,181	\$9,061,637	416	\$21,783	388	\$23,355
2010	569	\$19,300,530	\$20,978,803	411	\$51,043	353	\$59,430
2011	569	\$30,378,044	\$32,009,179	493	\$64,927	426	\$75,139
2012	569	\$30,546,478	\$31,534,075	525	\$60,065	460	\$68,552
2013	569	\$25,230,345	\$25,670,063	538	\$47,714	473	\$54,271
2014	569	\$21,897,315	\$21,923,306	530	\$41,365	483	\$45,390
2015	569	\$10,060,160	\$10,060,160	518	\$19,421	467	\$21,542

- Adjusted for inflation to 2015 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; figures will also differ where dual permit operations were used and landings were solely recorded on one of the two permits.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 30. Estimated Real Gross Earnings for Permit Holders in the Cook Inlet Salmon Drift Gillnet Fishery by Resident Type, 1975-2015

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	306	\$34,949	\$10,694,284	8	\$48,813	\$390,501	153	\$56,005	\$8,568,786	467	\$42,085	\$19,653,571
1976	333	\$58,734	\$19,558,488	8	\$71,106	\$568,847	174	\$89,479	\$15,569,369	515	\$69,314	\$35,696,704
1977	349	\$97,363	\$33,979,578	9	\$86,044	\$774,398	176	\$110,401	\$19,430,653	534	\$101,469	\$54,184,629
1978	391	\$129,773	\$50,741,295	13	\$125,819	\$1,635,652	186	\$149,033	\$27,720,101	590	\$135,758	\$80,097,048
1979	403	\$45,903	\$18,499,082	11	\$47,046	\$517,504	189	\$54,052	\$10,215,887	603	\$48,478	\$29,232,473
1980	368	\$33,145	\$12,197,537	11	\$33,077	\$363,852	184	\$39,515	\$7,270,850	563	\$35,226	\$19,832,239
1981	399	\$44,109	\$17,599,377	13	\$42,318	\$550,139	182	\$46,801	\$8,517,793	594	\$44,894	\$26,667,310
1982	405	\$99,294	\$40,214,154	12	\$100,926	\$1,211,116	174	\$107,966	\$18,786,067	591	\$101,880	\$60,211,337
1983	406	\$78,133	\$31,721,815	15	\$77,173	\$1,157,588	168	\$81,807	\$13,743,497	589	\$79,156	\$46,622,900
1984	410	\$40,957	\$16,792,280	17	\$37,993	\$645,873	163	\$38,309	\$6,244,331	590	\$40,140	\$23,682,484
1985	416	\$70,316	\$29,251,422	12	\$66,259	\$795,107	166	\$70,793	\$11,751,610	594	\$70,367	\$41,798,138
1986	404	\$110,793	\$44,760,339	17	\$109,730	\$1,865,409	171	\$106,086	\$18,140,671	592	\$109,403	\$64,766,420
1987	412	\$214,200	\$88,250,477	17	\$206,518	\$3,510,809	166	\$223,780	\$37,147,563	595	\$216,654	\$128,908,849
1988	410	\$265,148	\$108,710,517	18	\$275,852	\$4,965,334	161	\$266,194	\$42,857,313	589	\$265,761	\$156,533,164
1989	8	\$6,106	\$48,848	1 to 3	**	**	1 to 3	**	**	10	\$6,377	\$63,770
1990	388	\$87,734	\$34,040,893	21	\$83,922	\$1,762,372	179	\$87,548	\$15,671,124	588	\$87,541	\$51,474,390
1991	396	\$25,289	\$10,014,478	17	\$22,913	\$389,526	172	\$21,455	\$3,690,212	585	\$24,093	\$14,094,216
1992	386	\$193,248	\$74,593,746	20	\$185,156	\$3,703,111	184	\$183,763	\$33,812,453	590	\$190,016	\$112,109,310
1993	383	\$46,026	\$17,627,814	22	\$41,633	\$915,925	188	\$45,646	\$8,581,393	593	\$45,742	\$27,125,132
1994	371	\$53,957	\$20,017,975	21	\$47,856	\$1,004,968	186	\$48,332	\$8,989,832	578	\$51,925	\$30,012,775
1995	375	\$38,191	\$14,321,627	19	\$32,460	\$616,749	193	\$34,705	\$6,698,108	587	\$36,859	\$21,636,484
1996	365	\$48,130	\$17,567,285	21	\$41,819	\$878,209	178	\$46,896	\$8,347,509	564	\$47,505	\$26,793,003
1997	374	\$44,888	\$16,788,028	20	\$30,371	\$607,421	186	\$45,005	\$8,371,021	580	\$44,425	\$25,766,470
1998	353	\$12,209	\$4,309,869	13	\$8,239	\$107,107	166	\$11,088	\$1,840,532	532	\$11,762	\$6,257,508
1999	331	\$36,225	\$11,990,605	13	\$27,833	\$361,829	149	\$32,962	\$4,911,406	493	\$35,018	\$17,263,841
2000	340	\$11,932	\$4,056,790	14	\$9,526	\$133,365	162	\$11,847	\$1,919,147	516	\$11,840	\$6,109,303
2001	315	\$10,414	\$3,280,284	12	\$7,670	\$92,043	143	\$11,151	\$1,594,551	470	\$10,568	\$4,966,877
2002	275	\$18,850	\$5,183,759	12	\$14,485	\$173,826	123	\$17,348	\$2,133,744	410	\$18,272	\$7,491,330
2003	284	\$19,789	\$5,620,044	14	\$18,545	\$259,626	121	\$18,786	\$2,273,150	419	\$19,458	\$8,152,820
2004	299	\$35,255	\$10,541,367	13	\$31,649	\$411,441	128	\$30,083	\$3,850,627	440	\$33,644	\$14,803,434
2005	319	\$40,082	\$12,786,038	27	\$41,080	\$1,109,170	131	\$35,224	\$4,614,330	477	\$38,804	\$18,509,538
2006	281	\$16,267	\$4,570,938	17	\$22,864	\$388,682	102	\$10,842	\$1,105,899	400	\$15,164	\$6,065,519
2007	282	\$35,790	\$10,092,820	15	\$37,403	\$561,045	120	\$32,766	\$3,931,941	417	\$34,978	\$14,585,806
2008	296	\$20,775	\$6,149,457	12	\$18,362	\$220,345	127	\$17,655	\$2,242,181	435	\$19,798	\$8,611,983
2009	294	\$22,384	\$6,580,944	15	\$19,872	\$298,081	113	\$19,315	\$2,182,612	422	\$21,473	\$9,061,637
2010	292	\$51,051	\$14,906,771	16	\$48,804	\$780,867	107	\$49,450	\$5,291,165	415	\$50,551	\$20,978,803
2011	345	\$63,971	\$22,070,135	14	\$73,597	\$1,030,357	136	\$65,505	\$8,908,688	495	\$64,665	\$32,009,179
2012	363	\$59,665	\$21,658,567	21	\$59,606	\$1,251,722	146	\$59,067	\$8,623,786	530	\$59,498	\$31,534,075
2013	373	\$48,759	\$18,186,949	26	\$45,939	\$1,194,415	145	\$43,370	\$6,288,699	544	\$47,188	\$25,670,063
2014	373	\$41,565	\$15,503,745	24	\$41,435	\$994,449	137	\$39,599	\$5,425,113	534	\$41,055	\$21,923,306
2015	359	\$20,688	\$7,427,029	23	\$20,145	\$463,332	139	\$15,610	\$2,169,799	521	\$19,309	\$10,060,160

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (\*\*) due to reasons of confidentiality.
- 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; figures will also differ where dual permit operations were used and landings were solely recorded on one of the two permits. Note that these counts are for individuals, not permits.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.
- Permits in this table are counted if they participated in a dual permit operation even if all commercial landings were recorded on the other permit.

Cook Inlet Salmon Drift Gillnet (S03H)

Table 31. Gross Earnings for the Cook Inlet Salmon Set Gillnet Fishery by District, 1975 to 2015

Year	District 241			District 244			District 245			District 246			District 249			Total	
	Permits	Real Value		Permits	Real Value		Permits	Real Value		Permits	Real Value		Permits	Real Value		Permits	Real Value
1975	1 to 3	**	**	451	96.8%	\$15,998,431	81.4%	394	84.5%	\$3,643,767	18.5%	1 to 3	**	**	**	466	\$19,653,571
1976	0	0.0%	\$0	507	99.2%	\$30,598,769	85.7%	380	74.4%	\$5,097,935	14.3%	0	0.0%	\$0	0.0%	511	\$35,696,704
1977	0	0.0%	\$0	526	99.1%	\$46,896,557	86.5%	428	80.6%	**	**	0	0.0%	\$0	0.0%	531	\$54,184,629
1978	0	0.0%	\$0	578	100.0%	\$74,244,044	92.7%	317	54.8%	\$5,853,003	7.3%	0	0.0%	\$0	0.0%	578	\$80,097,048
1979	0	0.0%	\$0	587	99.2%	\$24,057,818	82.3%	501	84.6%	\$5,174,655	17.7%	0	0.0%	\$0	0.0%	592	\$29,232,473
1980	0	0.0%	\$0	550	99.5%	\$17,285,431	87.2%	370	66.9%	\$2,546,808	12.8%	0	0.0%	\$0	0.0%	553	\$19,832,239
1981	0	0.0%	\$0	583	99.8%	\$22,732,543	85.2%	416	71.2%	\$3,934,768	14.8%	0	0.0%	\$0	0.0%	584	\$26,667,310
1982	0	0.0%	\$0	576	99.8%	\$52,244,002	86.8%	458	79.4%	\$7,967,334	13.2%	0	0.0%	\$0	0.0%	577	\$60,211,337
1983	0	0.0%	\$0	579	99.8%	\$42,326,485	90.8%	491	84.7%	\$4,296,415	9.2%	0	0.0%	\$0	0.0%	580	\$46,622,900
1984	0	0.0%	\$0	577	99.8%	\$15,830,421	66.8%	531	91.9%	\$7,852,063	33.2%	0	0.0%	\$0	0.0%	578	\$23,682,484
1985	0	0.0%	\$0	583	99.8%	\$32,872,520	78.6%	523	89.6%	\$8,925,618	21.4%	0	0.0%	\$0	0.0%	584	\$41,798,138
1986	0	0.0%	\$0	583	99.8%	\$51,203,646	79.1%	546	93.5%	\$13,562,773	20.9%	0	0.0%	\$0	0.0%	584	\$64,766,420
1987	0	0.0%	\$0	585	100.0%	\$107,893,250	83.7%	543	92.8%	\$21,015,599	16.3%	0	0.0%	\$0	0.0%	585	\$128,908,849
1988	0	0.0%	\$0	584	100.0%	\$143,154,402	91.5%	456	78.1%	\$13,378,762	8.5%	0	0.0%	\$0	0.0%	584	\$156,533,164
1989	0	0.0%	\$0	5	50.0%	\$55,331	86.8%	5	50.0%	\$8,440	13.2%	0	0.0%	\$0	0.0%	10	\$63,770
1990	0	0.0%	\$0	582	100.0%	\$45,230,171	87.9%	506	86.9%	\$6,244,219	12.1%	0	0.0%	\$0	0.0%	582	\$51,474,390
1991	0	0.0%	\$0	578	100.0%	\$10,777,566	76.5%	323	55.9%	\$3,316,650	23.5%	0	0.0%	\$0	0.0%	578	\$14,094,216
1992	0	0.0%	\$0	580	100.0%	\$103,405,811	92.2%	479	82.6%	\$8,703,498	7.8%	0	0.0%	\$0	0.0%	580	\$112,109,310
1993	0	0.0%	\$0	580	100.0%	\$24,924,609	91.9%	411	70.9%	\$2,200,523	8.1%	0	0.0%	\$0	0.0%	580	\$27,125,132
1994	0	0.0%	\$0	568	99.8%	\$27,769,126	92.5%	322	56.6%	\$2,243,649	7.5%	0	0.0%	\$0	0.0%	569	\$30,012,775
1995	0	0.0%	\$0	577	100.0%	\$18,416,720	85.1%	411	71.2%	\$3,219,764	14.9%	0	0.0%	\$0	0.0%	577	\$21,636,484
1996	0	0.0%	\$0	560	100.0%	\$22,208,854	82.9%	392	70.0%	\$4,584,149	17.1%	0	0.0%	\$0	0.0%	560	\$26,793,003
1997	0	0.0%	\$0	572	100.0%	\$24,342,275	94.5%	285	49.8%	\$1,424,196	5.5%	0	0.0%	\$0	0.0%	572	\$25,766,470
1998	0	0.0%	\$0	524	99.2%	\$5,141,277	82.2%	292	55.3%	\$1,116,231	17.8%	0	0.0%	\$0	0.0%	528	\$6,257,508
1999	0	0.0%	\$0	487	100.0%	\$13,419,819	77.7%	348	71.5%	\$3,844,022	22.3%	0	0.0%	\$0	0.0%	487	\$17,263,841
2000	0	0.0%	\$0	512	99.8%	\$5,172,180	84.7%	351	68.4%	\$937,123	15.3%	0	0.0%	\$0	0.0%	513	\$6,109,303
2001	0	0.0%	\$0	465	99.6%	\$4,295,136	86.5%	291	62.3%	\$671,741	13.5%	0	0.0%	\$0	0.0%	467	\$4,966,877
2002	0	0.0%	\$0	409	100.0%	\$7,125,453	95.1%	98	24.0%	\$365,876	4.9%	0	0.0%	\$0	0.0%	409	\$7,491,330
2003	0	0.0%	\$0	418	100.0%	\$8,152,820	100.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	418	\$8,152,820
2004	0	0.0%	\$0	440	100.0%	\$14,803,434	100.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	440	\$14,803,434
2005	0	0.0%	\$0	471	100.0%	\$18,509,538	100.0%	0	0.0%	\$0	0.0%	0	0.0%	\$0	0.0%	471	\$18,509,538
2006	0	0.0%	\$0	396	100.0%	\$6,055,302	99.8%	6	1.5%	\$10,216	0.2%	0	0.0%	\$0	0.0%	396	\$6,065,519
2007	0	0.0%	\$0	417	100.0%	**	**	1 to 3	**	**	**	0	0.0%	\$0	0.0%	417	\$14,585,806
2008	0	0.0%	\$0	433	100.0%	\$8,598,025	99.8%	10	2.3%	\$13,959	0.2%	0	0.0%	\$0	0.0%	433	\$8,611,983
2009	0	0.0%	\$0	416	100.0%	\$9,038,699	99.7%	8	1.9%	\$20,961	0.2%	0	0.0%	\$0	0.0%	416	\$9,061,637
2010	0	0.0%	\$0	411	100.0%	\$20,971,354	100.0%	6	1.5%	\$7,448	0.0%	0	0.0%	\$0	0.0%	411	\$20,978,803
2011	0	0.0%	\$0	492	99.8%	\$32,006,689	100.0%	4	0.8%	\$2,491	0.0%	0	0.0%	\$0	0.0%	493	\$32,009,179
2012	0	0.0%	\$0	525	100.0%	**	**	1 to 3	**	**	**	0	0.0%	\$0	0.0%	525	\$31,534,075
2013	0	0.0%	\$0	538	100.0%	\$25,649,447	99.9%	8	1.5%	\$20,616	0.1%	0	0.0%	\$0	0.0%	538	\$25,670,063
2014	0	0.0%	\$0	530	100.0%	**	**	1 to 3	**	**	**	0	0.0%	\$0	0.0%	530	\$21,923,306
2015	0	0.0%	\$0	518	100.0%	\$10,039,913	99.8%	16	3.1%	\$20,248	0.2%	0	0.0%	\$0	0.0%	518	\$10,060,160

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (\*\*) due to reasons of confidentiality.
- Some permits are used to record landings in more than one district.
- Permits in this table are counted if they participated in a dual permit operation even if all commercial landings were recorded on the other permit.

## Cook Inlet Salmon Set Gillnet Fishery

### S04H Permit Holdings

License limitation permits for the Cook Inlet salmon set gillnet fishery (S04H permits) were issued starting in 1975. Table 32 indicates 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 87.0% (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 32. Initial Issuance and Year-end 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Total</i>	<i>Percentage</i>
Local	649	87.0%	6	0.9%	-46	-7.1%	-12	-1.8%	597	81.3%
Nonlocal	41	5.5%	-18	-43.9%	-4	-9.8%	0	0.0%	19	2.6%
Nonresident	56	7.5%	12	21.4%	50	89.3%	0	0.0%	118	16.1%
<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>-12</b>	<b>-1.6%</b>	<b>734</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. All of the cancelled permits 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>8</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 33. Transfer Acquisition Methods for Cook Inlet Salmon Set Gillnet Permits, 1980-2015**

Acquisition Method	S04H Permits		Cook Inlet Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	1,183	47.3%	1,912	41.5%	6,481	55.9%	13,007	36.1%
<i>Sale</i>	1,195	47.8%	2,450	53.2%	4,570	39.4%	21,327	59.2%
<i>Trade</i>	20	0.8%	54	1.2%	96	0.8%	498	1.4%
<i>Other</i>	102	4.1%	186	4.0%	452	3.9%	1,185	3.3%
<b>Total</b>	<b>2,500</b>		<b>4,602</b>		<b>11,599</b>		<b>36,017</b>	

Table 33 presents transfer acquisition methods for S04H permits, all three Cook Inlet salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2015. During the 1980 – 2015 period, the majority of S04H permit transfers were either gifts (47.3% or 1,183) or sales (47.8% or 1,195), and a smaller percentage were trades (0.8% or 20) or other (4.1% or 102). The annual acquisition methods for limited S04H permits have not changed substantially throughout the time period.<sup>9</sup>

**Table 34. Relationships of Transferor to Transfer Recipients for Cook Inlet Salmon Set Gillnet Permit, 1980-2015**

Relationship	S04H Permits		Cook Inlet Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	604	24.2%	928	20.2%	2,190	18.9%	6,632	18.4%
<i>Member of Immediate Family</i>	872	34.9%	1,603	34.8%	5,624	48.5%	12,153	33.7%
<i>Other Relative</i>	195	7.8%	306	6.6%	838	7.2%	1,683	4.7%
<i>Other</i>	829	33.2%	1,765	38.4%	2,947	25.4%	15,549	43.2%
<b>Total</b>	<b>2,500</b>		<b>4,602</b>		<b>11,599</b>		<b>36,017</b>	

Table 34 shows the relationships between the transferors and transfer recipients for S04H permits, all three Cook Inlet salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2015. Permit transfers between immediate family members and other relatives total 42.7% (1,067/2,500) of all transfers of S04H permits, compared to 41.5% (1,909/4,602) for all three Cook Inlet salmon permit types combined, 55.7% (6,462/11,599) for statewide salmon set gillnet permits, and 38.4% (13,836/36,017) for all limited entry permits statewide.

<sup>8</sup> CFEC implemented the transfer survey in 1980.

<sup>9</sup> See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2015*, CFEC Report No. 16-3N.

## S04H Permit Value

Many permit transfers are non-monetary transactions (see Table 33). Table 35 considers solely the arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 35. CFEC Estimated Value of Cook Inlet Salmon Set Gillnet Permits

Year	S04H Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	45	\$17,200	-	\$42,246	-
1983	51	\$18,340	-	\$43,643	-
1984	45	\$17,881	-	\$40,790	-
1985	51	\$16,312	-	\$35,931	-
1986	60	\$18,191	-	\$39,339	-
1987	69	\$26,837	-	\$55,993	-
1988	43	\$43,766	-	\$87,686	-
1989	48	\$61,511	-	\$117,574	-
1990	36	\$98,514	-	\$178,650	-
1991	18	\$71,900	\$19,350	\$125,121	\$33,673
1992	23	\$43,000	\$12,200	\$72,642	\$20,610
1993	31	\$35,500	\$5,200	\$58,229	\$8,529
1994	17	\$28,400	\$9,750	\$45,420	\$15,593
1995	21	\$30,300	\$9,850	\$47,123	\$15,319
1996	14	\$37,100	\$17,650	\$56,044	\$26,663
1997	30	\$24,700	\$6,350	\$36,476	\$9,377
1998	17	\$20,600	\$4,050	\$29,954	\$5,889
1999	24	\$13,200	\$4,900	\$18,779	\$6,971
2000	17	\$12,200	\$2,200	\$16,792	\$3,028
2001	15	\$10,600	\$1,650	\$14,186	\$2,208
2002	9	\$8,000	\$1,400	\$10,540	\$1,844
2003	12	\$8,600	\$2,500	\$11,078	\$3,220
2004	27	\$7,600	\$1,750	\$9,536	\$2,196
2005	37	\$10,000	\$1,900	\$12,136	\$2,306
2006	24	\$12,500	\$2,300	\$14,696	\$2,704
2007	24	\$14,000	\$1,300	\$16,004	\$1,486
2008	32	\$13,800	\$1,500	\$15,192	\$1,651
2009	19	\$12,900	\$2,150	\$14,252	\$2,375
2010	25	\$12,600	\$2,450	\$13,696	\$2,663
2011	29	\$14,500	\$1,600	\$15,279	\$1,686
2012	20	\$16,300	\$1,550	\$16,827	\$1,600
2013	12	\$14,100	\$1,950	\$14,346	\$1,984
2014	13	\$14,800	\$800	\$14,818	\$801
2015	3	\$15,300	\$1,300	\$15,300	\$1,300

- 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 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics.

## Emergency Transfers of S04H Permits

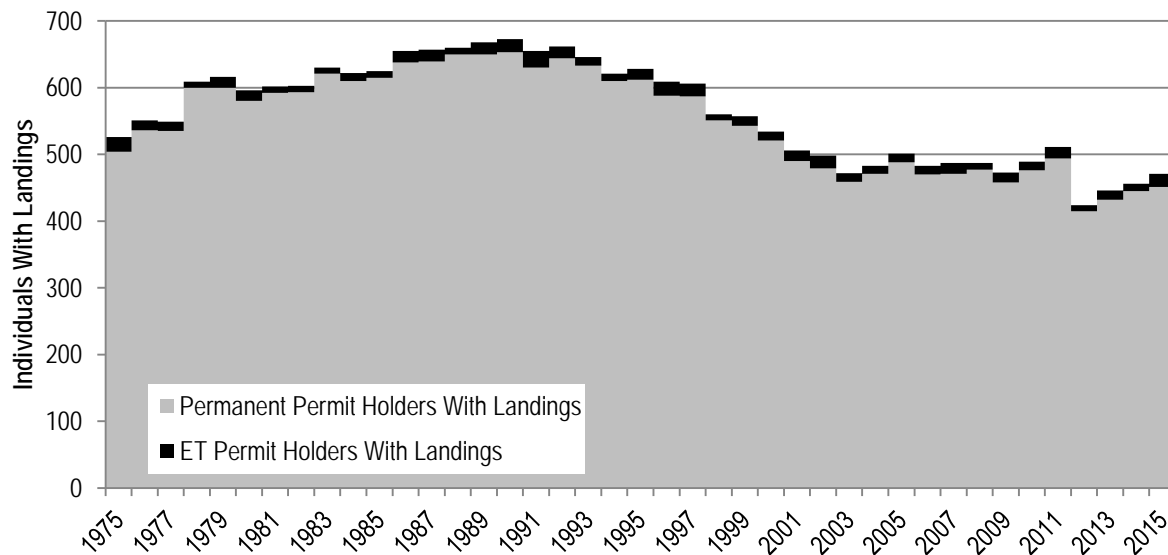
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

Table 36 and Figure 10 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 36. Use of Emergency Transfer Permits in the Cook Inlet Set Gillnet Fishery, 1975-2015

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	526	22	4.2%	1989	668	18	2.7%	2003	472	13	2.8%
1976	551	15	2.7%	1990	673	20	3.0%	2004	483	12	2.5%
1977	549	14	2.6%	1991	655	25	3.8%	2005	501	13	2.6%
1978	609	9	1.5%	1992	662	18	2.7%	2006	483	13	2.7%
1979	616	16	2.6%	1993	646	13	2.0%	2007	487	16	3.3%
1980	596	16	2.7%	1994	621	11	1.8%	2008	487	10	2.1%
1981	602	10	1.7%	1995	628	16	2.5%	2009	473	15	3.2%
1982	603	10	1.7%	1996	609	21	3.4%	2010	489	13	2.7%
1983	630	9	1.4%	1997	606	19	3.1%	2011	511	17	3.3%
1984	622	12	1.9%	1998	560	9	1.6%	2012	424	9	2.1%
1985	625	10	1.6%	1999	557	14	2.5%	2013	446	14	3.1%
1986	655	17	2.6%	2000	534	13	2.4%	2014	456	11	2.4%
1987	657	18	2.7%	2001	506	16	3.2%	2015	471	20	4.2%
1988	660	10	1.5%	2002	498	19	3.8%				

Figure 10. Use of Emergency Transfer Permits in the Cook Inlet Salmon Set Gillnet Fishery, 1975-2015



## DNR Shore Fishery Leases in the Cook Inlet Set Gillnet Fishery

The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by S04H permit holders. A shore fishery lease grants permit holders the first right of priority to fish a tract of tidelands, but is not a requirement to commercially fish.

In Cook Inlet, the DNR shore fishery lease program allows a permit holder to maintain up to two tracts per permit.<sup>10</sup> While some tracts are adjacent to one another, other tracts may be scattered miles apart even spanning multiple statistical areas. Additional information regarding DNR shore fishery leases can be found in CFEC publication 16-2N.<sup>11</sup> Please see Appendix A for a snapshot of DNR shore fishery sites in Cook Inlet.

The total number of Cook Inlet set gillnet permits, permits with landings, and permits with a DNR shore fishery lease as of December 31 is reported by ADF&G salmon district in Table 37. While there are no restrictions as to which district an S04H permit can be used to make landings, the majority of S04H permit holders typically did not make landings in more than one district. Data is reported as it was documented in ADF&G fish tickets and from the DNR online Land Administration System.

Table 37. Cook Inlet Set Gillnet DNR Shore Fishery Leases by District

Year	Total Permits	Permits		District 241		District 244		District 245		District 246		District 247		District 249	
		With Landings	with DNR Lease	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits
1975	759	522	130	2	27	104	365	15	107	2	55	57	214	1	1
1976	717	549	133	4	23	79	299	14	77	1	43	40	155	0	0
1977	733	547	133	4	22	79	302	19	86	1	37	39	161	1	1
1978	746	604	134	3	34	87	336	18	99	1	48	39	181	1	1
1979	749	609	149	7	34	89	316	13	96	2	48	40	182	1	1
1980	747	593	168	10	35	96	304	25	95	3	46	42	170	0	0
1981	747	600	187	11	37	98	311	29	81	10	47	44	163	3	3
1982	748	602	203	11	38	108	314	35	87	8	48	47	165	1	1
1983	745	626	234	11	36	121	325	43	94	8	44	56	178	1	1
1984	744	620	247	10	35	132	321	40	95	10	41	62	185	4	4
1985	745	625	248	11	35	133	331	47	108	9	43	56	174	2	2
1986	743	645	262	9	34	146	344	48	103	10	39	63	197	2	2
1987	743	650	317	9	30	190	373	48	83	10	42	75	190	4	4
1988	743	655	342	7	27	240	460	60	112	16	51	109	211	3	3
1989	743	658	349	6	25	233	438	54	106	8	35	84	178	3	3
1990	743	662	350	2	21	258	477	42	94	9	45	92	181	2	2
1991	745	648	342	2	20	245	457	37	91	5	33	92	194	3	3
1992	745	654	387	3	21	285	472	56	101	10	34	96	190	2	2
1993	745	641	436	8	18	315	470	42	66	5	29	68	125	5	5
1994	745	617	443	9	17	325	463	40	65	8	32	69	120	3	3
1995	745	625	439	10	23	319	465	32	52	12	35	70	123	3	3
1996	745	604	424	13	24	298	457	30	50	10	31	74	127	5	5
1997	745	603	418	15	25	302	472	26	45	9	27	72	126	4	4
1998	745	559	397	15	25	285	444	23	38	7	27	65	112	3	3
1999	745	556	386	16	23	272	444	23	42	7	26	67	119	4	4
2000	745	533	377	15	24	268	434	22	46	7	25	64	116	5	5
2001	744	505	372	15	22	264	415	23	40	6	26	66	114	3	3
2002	743	496	367	15	26	259	412	22	39	9	24	61	89	1	1
2003	742	472	349	16	27	255	407	16	34	9	28	55	81	0	0
2004	739	481	347	15	21	253	419	16	36	7	22	55	84	2	2
2005	737	499	339	16	22	245	416	15	33	9	29	55	93	2	2
2006	738	482	328	16	24	230	396	18	38	8	28	55	95	2	2
2007	738	483	326	18	22	229	389	16	36	9	26	52	98	2	2
2008	738	484	325	18	22	229	392	18	34	11	31	51	102	1	1
2009	738	472	318	18	23	223	389	13	36	9	28	51	98	6	6
2010	736	488	316	18	23	220	388	17	33	9	33	54	102	1	1
2011	736	548	320	17	23	223	423	16	34	12	33	52	102	2	2
2012	736	486	324	19	22	221	395	15	33	17	33	51	92	1	1
2013	736	515	317	18	22	218	413	15	32	18	37	50	92	1	1
2014	735	529	308	18	22	211	413	14	30	19	33	46	96	1	1
2015	734	548	307	20	27	207	416	16	33	19	38	45	94	0	0

<sup>10</sup> See 11 AAC 24.0331(b)(1)(D).

<sup>11</sup> See *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2015*. CFEC Report No. 16-2N.

## Latent S04H Permits

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

Table 38 indicates 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. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted.

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

First, some permits could be active in the fishery but might not be used to record landings. This can occur when permit holders fish in a group, especially among family or friends, and the group records their landings on only one, or some, of the group's permits. Although this practice is not legal,<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. Please see CFEC Report 16-4N for a more in-depth look at undocumented participation in the Cook Inlet salmon set gillnet fishery.<sup>13</sup>

Secondly, individuals who hold a DNR Shore Fishery Lease are generally required by regulation to fish at least four openings in years when they hold a lease.<sup>14</sup> The 'Landings and/or DNR lease' column counts permits that either held a DNR Shore Fishery Lease or made a commercial landing.

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

annual rate of latency is likely lies between the rates given in this table.

**Table 38. Cook Inlet Salmon Set Gillnet Permit Latency, 1975-2015**

Year	Total Permits Issued	Permits With Landings		Landings and/or DNR Lease	
		Count	Latency	Count	Latency
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%	622	16.6%
1979	749	609	18.7%	624	16.7%
1980	747	593	20.6%	616	17.5%
1981	747	600	19.7%	624	16.5%
1982	748	602	19.5%	627	16.2%
1983	745	626	16.0%	653	12.3%
1984	744	620	16.7%	647	13.0%
1985	745	625	16.1%	655	12.1%
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%	669	10.2%
1998	745	559	25.0%	641	14.0%
1999	745	556	25.4%	647	13.2%
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	548	25.5%	612	16.8%
2012	736	486	34.0%	576	21.7%
2013	736	515	30.0%	591	19.7%
2014	735	529	28.0%	593	19.3%
2015	734	548	25.3%	603	17.8%

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

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

<sup>13</sup> See *Baseline Data Survey of the Cook Inlet Salmon Set Gillnet Fishery*. CFEC Report No. 16-4N.

<sup>14</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.

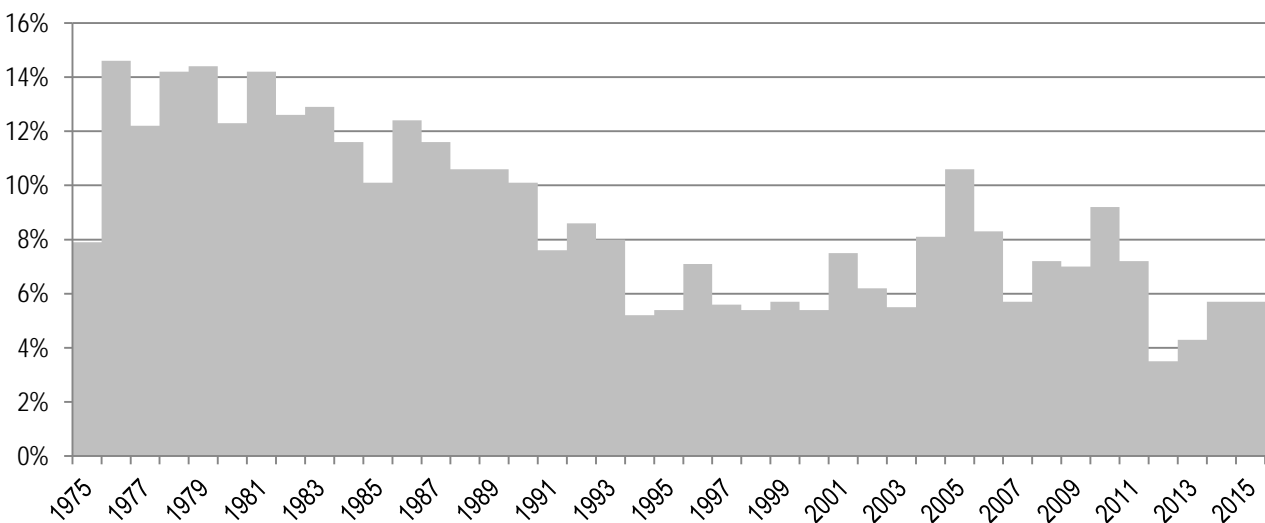
Table 39 and Figure 11 describe individuals rather than permits. An individual may hold up to two permits for the same fishery, but can only fish one of them. An individual may hold one S04H permit one year, and then in subsequent years hold a different S04H permit. Likewise, individuals may enter and 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 39. New Entrants into the Cook Inlet Salmon Set Gillnet Fishery, 1975-2015

Individuals				Individuals				Individuals				Individuals			
Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	Percent	Year	w/Landings	New	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%				
1984	621	72	11.6%	1995	628	34	5.4%	2006	483	40	8.3%				
1985	624	63	10.1%	1996	609	43	7.1%	2007	487	28	5.7%				

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

Figure 11. New Entrants into the Cook Inlet Salmon Set Gillnet Fishery, 1975-2015



## Age of S04H Permit Holders

Table 40. Median Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S04H	Cook Inlet Salmon Combined	Statewide Salmon Set Gillnet	Statewide All Permits	AK Median Age
1975	37.3	42.1	36.2	42.9	24.3
1976	36.3	41.1	36.4	41.3	24.7
1977	36.3	40.3	36.1	40.5	25.1
1978	36.4	40.0	35.7	40.1	25.4
1979	36.5	39.4	35.8	40.1	25.8
1980	36.5	39.3	35.8	39.6	26.0
1981	37.0	39.4	36.0	39.5	26.4
1982	37.8	39.3	36.0	39.5	26.8
1983	37.3	39.4	35.7	39.6	27.1
1984	37.4	38.9	35.8	39.9	27.3
1985	37.5	39.1	36.3	40.1	27.5
1986	37.4	39.4	36.7	40.1	27.8
1987	37.4	39.6	37.0	40.4	28.2
1988	37.8	40.0	37.3	40.6	28.6
1989	38.3	40.1	38.0	41.0	29.0
1990	38.4	40.2	38.3	41.4	29.3
1991	39.2	40.8	38.9	41.9	29.7
1992	39.7	41.0	39.3	42.4	30.1
1993	40.6	41.9	39.9	43.0	30.5
1994	40.9	42.5	40.4	43.5	30.8
1995	41.6	42.9	41.0	43.9	31.1
1996	42.6	43.7	41.7	44.5	31.5
1997	43.1	44.0	42.0	45.0	31.8
1998	43.9	44.7	42.6	45.6	32.1
1999	44.5	45.6	43.1	46.1	32.3
2000	45.1	46.2	43.4	46.6	32.4
2001	45.9	46.9	44.1	47.0	32.7
2002	46.7	47.8	44.8	47.7	33.0
2003	47.2	48.2	45.5	48.4	33.2
2004	47.2	48.2	45.9	48.8	33.4
2005	46.9	48.1	46.0	49.3	33.6
2006	47.9	48.6	46.3	49.7	33.8
2007	48.8	49.3	46.8	50.1	33.9
2008	49.0	49.5	46.8	50.5	33.9
2009	49.4	50.0	47.3	51.1	33.9
2010	49.6	50.4	47.7	51.4	33.8
2011	50.5	50.8	48.2	51.8	33.9
2012	51.5	51.4	48.8	52.1	34.1
2013	52.6	51.7	49.0	52.4	34.3
2014	52.7	52.2	49.2	52.7	34.3
2015	53.3	52.8	49.6	53.3	34.5

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

Table 40 shows the annual median age of five different cohorts of people: 1) Cook Inlet salmon set gillnet (S04H) permit holders; 2) all three (S01H, S03H, and S04H) Cook Inlet salmon permit holders; 3) statewide salmon set gillnet permit holders; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and nontransferable permits; however, there were no nontransferable S04H permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), 36.9% (13.4 years) for the statewide set gillnet permit holders, and 25.3% (10.7 years) for the combined Cook Inlet permit holders.

For S04H permit holders, the median age increased 43.0% (16.0 years).

## S04H 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 Board of Fisheries the authority to grant fishing privileges to the second permit held by an individual. Since 2011, the Alaska Board of Fisheries allowed for stacked permit operations in the Cook Inlet set gillnet fishery.<sup>15</sup> A stacked permit operation is where an individual who holds two permits is allowed to fish up to two full complements of gear. A single permit operation is where an individual only holds one permit.

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 41 provides a snapshot of stacked permit operations. In the snapshot, the last day an individual makes a landing is identified and used for making the counts of stacked/single permit operations along with how the permits was held, if it were through an Emergency Transfer or a permanent holding. Note that in-season counts will vary from this table to the degree that permits change hands. When counts are fewer than four individuals, CFEC is required by statute<sup>16</sup> to mask aggregated data due to reasons of confidentiality; for this reason only the Upper Cook Inlet data is reported in this table.

**Table 41. Upper Cook Inlet Set Gillnet Single and Stacked Permit Operations**

Year	Single Permit Operations		Stacked Permit Operations			Total Single	Total Stacked	Total Individuals
	ET	Permanent	Both ET	Both Permanent	Permanent and ET			
2011	8	446	0	27	10	454	37	491
2012	4	343	0	56	6	347	62	409
2013	9	349	0	66	4	358	70	428
2014	7	357	1 to 3	70	1 to 3	364	74	438
2015	11	360	1 to 3	73	1 to 3	371	77	448

Table 41 indicates that an increased proportion of Upper Cook Inlet permit holders are fishing in stacked permit operations every year. Starting in 2011, only 7.5% (37/491) of S04H permit holders had stacked permit operations, and by the end of 2015 17.2% (77/448) fished with a second permit.

There has also been an increase in two permanent permits held in stacked permit operations. In 2011, 63.0% (27/37) of the operations included two permanent permits, whereas, by 2015 almost all (94.5%, 73/77) were comprised of two permanent permits.

Tables 42 and 43 provide information on how the second permit was acquired at the time of the transfer. Data for these tables came from transfer surveys. Note that permits used in stacked permit operations may have been acquired in previous years.

<sup>15</sup> See 5 AAC 21.331.

<sup>16</sup> See AS 16.05.815.



Table 42. Source of the Second S04H Permit

Year	Friend/ Partner	Immediate Family	Other Relative	Other
2006	1	1	0	0
2007	2	2	0	0
2008	0	2	0	1
2009	0	2	0	1
2010	1	2	0	1
2011	5	26	3	10
2012	11	37	3	16
2013	13	47	3	18
2014	12	56	4	20
2015	13	56	4	21

Table 43. Transfer Acquisition Method for the Second S04H Permit

Year	Gift	Sale	Trade	Other
2006	1	1	0	0
2007	2	2	0	0
2008	2	1	0	0
2009	2	1	0	0
2010	3	1	0	0
2011	29	14	0	1
2012	43	23	0	1
2013	53	26	0	2
2014	62	27	0	3
2015	61	30	0	3

Tables 44 and 45 provide data on both Upper and Lower Cook Inlet participation in stacked permit operations. Because the Upper Cook Inlet fishery has higher participation, it is possible to include some of the data by resident type. Note that these tables report on individuals and not permits. Earnings are adjusted for inflation using the U.S. Bureau of Labor Statistics 2015 Consumer Price Index.

Table 44. Lower Cook Inlet Salmon Set Gillnet Participation, Effort, and Earnings by Operation Type, 2011-2015

Year	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-vessel Value	Individuals	Ex-vessel Value
2011	Stacked	1 to 3	**	**	**	**	**
	Single	**	**	**	**	**	**
	<i>Combined</i>	<i>20</i>	<i>21</i>	<i>\$227,568</i>	<i>\$11,378</i>	<i>100.0%</i>	<i>100.0%</i>
2012	Stacked	1 to 3	**	**	**	**	**
	Single	**	**	**	**	**	**
	<i>Combined</i>	<i>15</i>	<i>16</i>	<i>\$113,201</i>	<i>\$7,547</i>	<i>100.0%</i>	<i>100.0%</i>
2013	Stacked	1 to 3	**	**	**	**	**
	Single	**	**	**	**	**	**
	<i>Combined</i>	<i>18</i>	<i>19</i>	<i>\$546,317</i>	<i>\$30,351</i>	<i>100.0%</i>	<i>100.0%</i>
2014	Stacked	1 to 3	**	**	**	**	**
	Single	**	**	**	**	**	**
	<i>Combined</i>	<i>18</i>	<i>20</i>	<i>\$441,837</i>	<i>\$24,547</i>	<i>100.0%</i>	<i>100.0%</i>
2015	Stacked	5	10	\$95,873	\$19,175	21.7%	25.1%
	Single	18	18	\$285,991	\$15,888	78.3%	74.9%
	<i>Combined</i>	<i>23</i>	<i>28</i>	<i>\$381,865</i>	<i>\$16,603</i>	<i>100.0%</i>	<i>100.0%</i>

- Earnings are adjusted for inflation using the U.S. Bureau of Labor Statistics 2015 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.

Cook Inlet Salmon Set Gillnet (S04H)

Table 45. Upper Cook Inlet Salmon Set Gillnet Participation, Effort, and Earnings by Operation and Resident Type, 2011-2015

Year	Residency	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-vessel Value	Individuals	Ex-vessel Value
2011	Local	Stacked	26	52	\$2,104,113	\$80,927	5.3%	10.0%
		Single	358	358	\$14,856,285	\$41,498	72.9%	70.8%
		Combined	384	410	\$16,960,398	\$44,168	78.2%	80.9%
	Nonlocal	Stacked	1 to 3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	<b>Total</b>	Stacked	37	74	\$2,780,547	\$75,150	7.5%	13.3%
Single		454	454	\$18,188,861	\$40,064	92.5%	86.7%	
Combined		491	528	\$20,969,408	\$42,708	100.0%	100.0%	
2012	Local	Stacked	44	88	\$318,066	\$7,229	10.8%	12.7%
		Single	289	289	\$1,742,615	\$6,030	70.7%	69.5%
		Combined	333	377	\$2,060,681	\$6,188	81.4%	82.2%
	Nonlocal	Stacked	1 to 3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	<b>Total</b>	Stacked	62	124	\$383,739	\$6,189	15.2%	15.3%
Single		347	347	\$2,121,928	\$6,115	84.8%	84.7%	
Combined		409	471	\$2,505,667	\$6,126	100.0%	100.0%	
2013	Local	Stacked	53	106	\$3,034,870	\$57,262	12.4%	21.7%
		Single	304	304	\$8,377,405	\$27,557	71.0%	60.0%
		Combined	357	410	\$11,412,275	\$31,967	83.4%	81.7%
	Nonlocal	Single	20	20	\$716,168	\$35,808	4.7%	5.1%
		Combined	20	20	\$716,168	\$35,808	4.7%	5.1%
	Nonresident	Stacked	17	34	\$752,027	\$44,237	4.0%	5.4%
		Single	34	34	\$1,080,289	\$31,773	7.9%	7.7%
		Combined	51	68	\$1,832,316	\$35,928	11.9%	13.1%
	<b>Total</b>	Stacked	70	140	\$3,786,896	\$54,099	16.4%	27.1%
		Single	358	358	\$10,173,862	\$28,419	83.6%	72.9%
Combined		428	498	\$13,960,758	\$32,619	100.0%	100.0%	

- Adjusted for inflation to 2015 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.

Table 45. Upper Cook Inlet Salmon Set Gillnet Participation, Effort, and Earnings by Operation and Resident Type, 2011-2015

Year	Residency	Operation Type	Individuals with Landings	Effort	Ex-vessel Value	Average Ex-vessel Value	Individuals	Ex-vessel Value
2014	Local	Stacked	55	110	\$2,601,822	\$47,306	12.6%	24.4%
		Single	307	307	\$6,137,290	\$19,991	70.1%	57.6%
		Combined	362	417	\$8,739,112	\$24,141	82.6%	82.0%
	Nonlocal	Stacked	1 to 3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	<b>Total</b>	Stacked	76	152	\$3,363,861	\$44,261	17.4%	31.6%
		Single	362	362	\$7,292,646	\$20,145	82.6%	68.4%
		Combined	438	514	\$10,656,508	\$24,330	100.0%	100.0%
2015	Local	Stacked	57	114	\$3,351,992	\$58,807	12.7%	24.2%
		Single	312	312	\$7,557,168	\$24,222	69.6%	54.5%
		Combined	369	426	\$10,909,161	\$29,564	82.4%	78.6%
	Nonlocal	Stacked	1 to 3	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	Nonresident	Stacked	**	**	**	**	**	**
		Single	**	**	**	**	**	**
		Combined	**	**	**	**	**	**
	<b>Total</b>	Stacked	77	154	\$4,575,004	\$59,416	17.2%	33.0%
		Single	371	371	\$9,298,338	\$25,063	82.8%	67.0%
		Combined	448	525	\$13,873,342	\$30,967	100.0%	100.0%

- Adjusted for inflation to 2015 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.

## Participation and Earnings

Table 46 reports the number of permits, permits with landings, and estimated gross earnings in the Cook Inlet salmon set gillnet fishery from 1975 to 2015. 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.

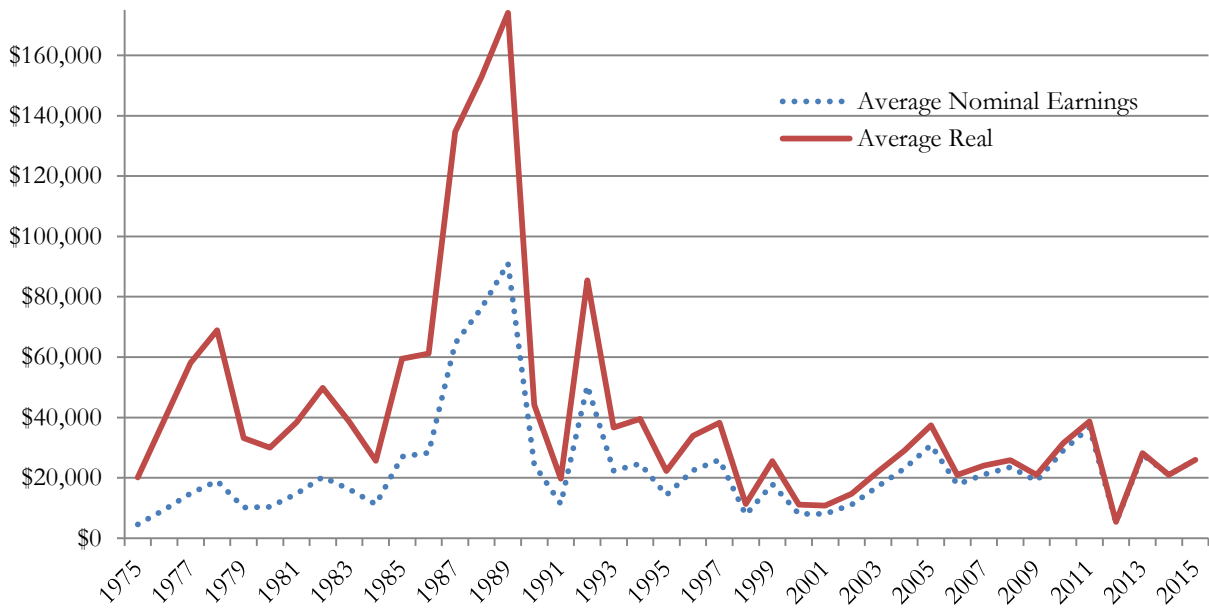
Table 47 reports the number of permit holders (people) and estimated gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 48 aggregates participation and earnings by district. Note that some permits are used to record landings in more than one district.

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 are shown in Figure 12 for both nominal and real (inflation-adjusted) dollars using the 2015 Consumer Price Index from the U.S. Bureau of Labor Statistics. 2015 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 was in 1985. 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 12. Estimated Nominal and Real Average Gross Earnings Per Cook Inlet Salmon Set Gillnet Permit



- Real earnings are adjusted for inflation using the 2015 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 46. Estimated Total Gross Earnings (Real and Nominal) for the Cook Inlet Salmon Set Gillnet Fishery, With Average Gross Earnings (Real) by Permit, 1975-2015

Year	Viable Permits	Permits With Landings	Gross Earnings		
			Nominal	Real	Average Real
1975	759	522	\$2,387,223	\$10,516,960	\$20,147
1976	717	549	\$5,177,213	\$21,565,687	\$39,282
1977	733	547	\$8,128,637	\$31,792,493	\$58,122
1978	746	604	\$11,445,025	\$41,605,299	\$68,883
1979	749	609	\$6,187,673	\$20,200,876	\$33,171
1980	747	593	\$6,175,824	\$17,764,264	\$29,957
1981	747	600	\$8,835,161	\$23,037,222	\$38,395
1982	748	602	\$12,203,219	\$29,972,750	\$49,789
1983	745	626	\$10,160,167	\$24,178,036	\$38,623
1984	744	620	\$6,962,581	\$15,883,060	\$25,618
1985	745	625	\$16,870,880	\$37,162,504	\$59,460
1986	743	645	\$18,258,204	\$39,484,531	\$61,216
1987	743	650	\$41,946,286	\$87,517,454	\$134,642
1988	743	655	\$49,936,893	\$100,049,811	\$152,748
1989	743	658	\$59,943,096	\$114,576,878	\$174,129
1990	743	662	\$16,129,521	\$29,249,967	\$44,184
1991	745	648	\$7,361,601	\$12,810,754	\$19,770
1992	745	654	\$33,100,968	\$55,919,402	\$85,504
1993	745	641	\$14,317,093	\$23,483,698	\$36,636
1994	745	617	\$15,272,678	\$24,425,671	\$39,588
1995	745	625	\$8,936,995	\$13,899,079	\$22,239
1996	745	604	\$13,570,507	\$20,499,941	\$33,940
1997	745	603	\$15,637,913	\$23,093,154	\$38,297
1998	745	559	\$4,351,636	\$6,327,679	\$11,320
1999	745	556	\$9,993,704	\$14,217,753	\$25,571
2000	745	533	\$4,319,800	\$5,945,796	\$11,155
2001	744	505	\$4,081,429	\$5,462,271	\$10,816
2002	743	496	\$5,547,596	\$7,308,919	\$14,736
2003	742	472	\$8,086,607	\$10,416,649	\$22,069
2004	739	481	\$11,120,261	\$13,952,837	\$29,008
2005	737	499	\$15,406,920	\$18,697,911	\$37,471
2006	738	482	\$8,591,257	\$10,100,565	\$20,956
2007	738	483	\$10,181,085	\$11,638,212	\$24,096
2008	738	484	\$11,368,513	\$12,515,064	\$25,858
2009	738	472	\$8,963,165	\$9,902,359	\$20,980
2010	736	488	\$14,160,033	\$15,391,315	\$31,540
2011	736	548	\$20,116,813	\$21,196,976	\$38,681
2012	736	486	\$2,536,849	\$2,618,868	\$5,389
2013	736	515	\$14,258,575	\$14,507,075	\$28,169
2014	735	529	\$11,085,187	\$11,098,345	\$20,980
2015	734	548	\$14,255,207	\$14,255,207	\$26,013

- Adjusted for inflation to 2015 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; this table also counts all permits used in stacked permit operations even if landings were documented on only one of the two permits.

Table 47. Estimated Real Gross Earnings for Permit Holders in the Cook Inlet Salmon Set Gillnet Fishery by Resident Type, 1975-2015

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	466	\$19,241	\$8,966,287	27	\$24,741	\$668,009	33	\$26,747	\$882,664	526	\$19,994	\$10,516,960
1976	499	\$38,319	\$19,121,292	25	\$25,442	\$636,047	27	\$66,976	\$1,808,348	551	\$39,139	\$21,565,687
1977	496	\$56,455	\$28,001,635	23	\$34,959	\$804,048	30	\$99,560	\$2,986,810	549	\$57,910	\$31,792,493
1978	541	\$65,073	\$35,204,430	30	\$46,167	\$1,385,013	38	\$131,996	\$5,015,857	609	\$68,317	\$41,605,299
1979	545	\$33,008	\$17,989,309	36	\$32,736	\$1,178,509	35	\$29,516	\$1,033,058	616	\$32,794	\$20,200,876
1980	533	\$29,939	\$15,957,749	29	\$19,810	\$574,476	34	\$36,236	\$1,232,038	596	\$29,806	\$17,764,264
1981	531	\$39,055	\$20,738,312	26	\$21,967	\$571,149	45	\$38,395	\$1,727,761	602	\$38,268	\$23,037,222
1982	538	\$48,824	\$26,267,392	25	\$26,785	\$669,637	40	\$75,893	\$3,035,721	603	\$49,706	\$29,972,750
1983	550	\$37,904	\$20,847,153	28	\$23,833	\$667,310	52	\$51,223	\$2,663,573	630	\$38,378	\$24,178,036
1984	543	\$25,150	\$13,656,347	22	\$31,433	\$691,520	57	\$26,933	\$1,535,194	622	\$25,535	\$15,883,060
1985	547	\$57,543	\$31,476,219	18	\$56,145	\$1,010,618	60	\$77,928	\$4,675,666	625	\$59,460	\$37,162,504
1986	572	\$59,679	\$34,136,162	18	\$40,536	\$729,655	65	\$71,057	\$4,618,715	655	\$60,282	\$39,484,531
1987	575	\$129,527	\$74,478,268	20	\$74,205	\$1,484,096	62	\$186,372	\$11,555,090	657	\$133,208	\$87,517,454
1988	569	\$149,179	\$84,883,056	18	\$85,668	\$1,542,024	73	\$186,640	\$13,624,731	660	\$151,591	\$100,049,811
1989	570	\$172,048	\$98,067,252	17	\$50,793	\$863,482	81	\$193,162	\$15,646,144	668	\$171,522	\$114,576,878
1990	580	\$43,353	\$25,144,480	17	\$19,415	\$330,060	76	\$49,677	\$3,775,427	673	\$43,462	\$29,249,967
1991	557	\$20,087	\$11,188,671	21	\$14,546	\$305,458	77	\$17,099	\$1,316,625	655	\$19,558	\$12,810,754
1992	549	\$84,020	\$46,127,189	23	\$48,593	\$1,117,642	90	\$96,384	\$8,674,571	662	\$84,470	\$55,919,402
1993	531	\$34,958	\$18,562,682	21	\$25,785	\$541,481	94	\$46,591	\$4,379,536	646	\$36,352	\$23,483,698
1994	507	\$38,893	\$19,718,813	14	\$22,637	\$316,917	100	\$43,899	\$4,389,940	621	\$39,333	\$24,425,671
1995	514	\$21,978	\$11,296,469	17	\$15,987	\$271,783	97	\$24,029	\$2,330,827	628	\$22,132	\$13,899,079
1996	492	\$34,453	\$16,950,955	20	\$21,040	\$420,796	97	\$32,249	\$3,128,190	609	\$33,662	\$20,499,941
1997	492	\$37,797	\$18,596,061	21	\$21,944	\$460,822	93	\$43,401	\$4,036,271	606	\$38,108	\$23,093,154
1998	445	\$11,617	\$5,169,650	21	\$8,115	\$170,414	94	\$10,507	\$987,616	560	\$11,299	\$6,327,679
1999	449	\$25,452	\$11,428,056	16	\$25,109	\$401,746	92	\$25,956	\$2,387,951	557	\$25,526	\$14,217,753
2000	430	\$10,979	\$4,721,079	16	\$13,932	\$222,907	88	\$11,384	\$1,001,810	534	\$11,134	\$5,945,796
2001	405	\$11,430	\$4,629,129	14	\$5,963	\$83,486	87	\$8,617	\$749,656	506	\$10,795	\$5,462,271
2002	408	\$14,812	\$6,043,406	13	\$8,951	\$116,367	77	\$14,924	\$1,149,146	498	\$14,677	\$7,308,919
2003	392	\$22,380	\$8,772,870	17	\$8,435	\$143,387	63	\$23,816	\$1,500,393	472	\$22,069	\$10,416,649
2004	390	\$29,668	\$11,570,713	18	\$16,984	\$305,712	75	\$27,685	\$2,076,411	483	\$28,888	\$13,952,837
2005	398	\$38,332	\$15,256,083	16	\$16,245	\$259,926	87	\$36,574	\$3,181,902	501	\$37,321	\$18,697,911
2006	391	\$21,100	\$8,250,220	16	\$14,218	\$227,490	76	\$21,353	\$1,622,855	483	\$20,912	\$10,100,565
2007	388	\$25,128	\$9,749,681	14	\$15,466	\$216,530	85	\$19,671	\$1,672,000	487	\$23,898	\$11,638,212
2008	395	\$26,242	\$10,365,485	16	\$10,928	\$174,854	76	\$25,983	\$1,974,725	487	\$25,698	\$12,515,064
2009	389	\$21,056	\$8,190,617	15	\$13,746	\$206,193	69	\$21,820	\$1,505,550	473	\$20,935	\$9,902,359
2010	394	\$31,912	\$12,573,390	19	\$40,148	\$762,811	76	\$27,041	\$2,055,115	489	\$31,475	\$15,391,315
2011	403	\$42,650	\$17,187,902	22	\$50,949	\$1,120,874	86	\$33,584	\$2,888,199	511	\$41,481	\$21,196,976
2012	347	\$6,238	\$2,164,736	19	\$9,900	\$188,095	58	\$4,587	\$266,037	424	\$6,177	\$2,618,868
2013	374	\$31,872	\$11,920,221	21	\$35,930	\$754,538	51	\$35,928	\$1,832,316	446	\$32,527	\$14,507,075
2014	378	\$24,003	\$9,073,296	21	\$27,053	\$568,103	57	\$25,560	\$1,456,946	456	\$24,338	\$11,098,345
2015	390	\$28,786	\$11,226,606	18	\$49,640	\$893,519	63	\$33,890	\$2,135,083	471	\$30,266	\$14,255,207

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Note that these counts are for individuals, not permits.
- Stacked permit operations only count the individual once.

Cook Inlet Salmon Set Gillnet (S04H)

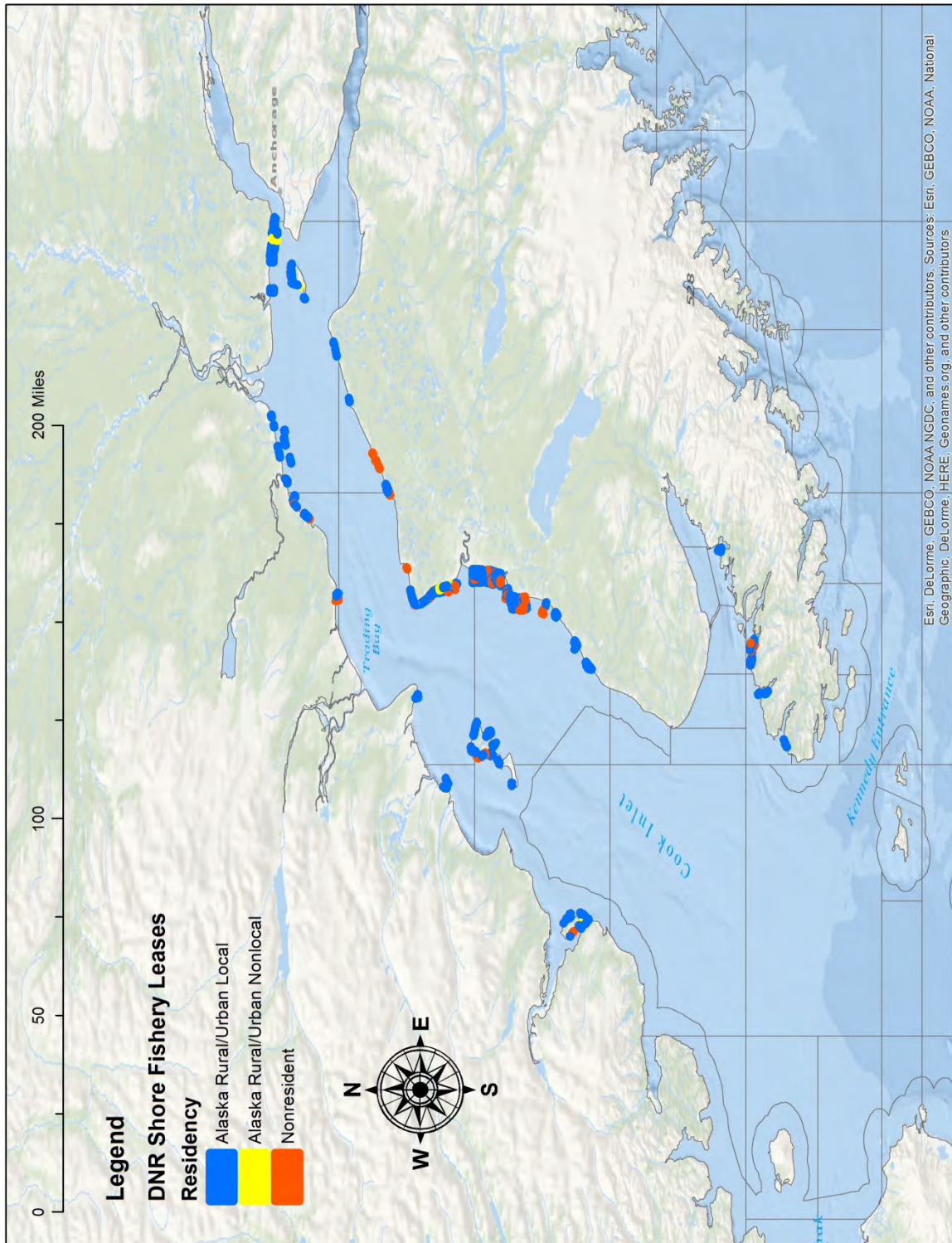
Table 48. Gross Earnings for the Cook Inlet Salmon Set Gillnet Fishery by District

Year	District 241				District 241				District 241				District 241				Total					
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value						
1975	24	4.6%	\$851,861	8.1%	278	53.3%	\$4,575,118	43.5%	80	15.3%	\$1,621,153	15.4%	41	7.9%	\$1,134,093	10.8%	143	27.4%	\$2,334,736	22.2%	522	\$10,516,960
1976	23	4.2%	\$835,065	3.9%	288	52.5%	\$14,470,563	67.1%	77	14.0%	\$2,443,266	11.3%	43	7.8%	\$709,187	3.3%	147	26.8%	\$3,107,605	14.4%	549	\$21,565,687
1977	22	4.0%	\$1,592,550	5.0%	288	52.7%	\$20,878,249	65.7%	85	15.5%	\$3,420,342	10.8%	37	6.8%	\$1,242,089	3.9%	155	28.3%	\$4,659,263	14.7%	547	\$31,792,493
1978	34	5.6%	\$3,397,408	8.2%	325	53.8%	\$27,560,903	66.2%	97	16.1%	\$3,958,271	9.5%	48	7.9%	\$2,123,397	5.1%	173	28.6%	\$4,565,321	11.0%	604	\$41,605,299
1979	34	5.6%	\$1,722,010	8.5%	307	50.4%	\$8,998,557	44.5%	96	15.8%	\$3,511,408	17.4%	48	7.9%	\$1,944,207	9.6%	177	29.1%	\$4,024,695	19.9%	609	\$20,200,876
1980	35	5.9%	\$684,962	3.9%	292	49.2%	\$10,005,099	56.3%	94	15.9%	\$1,984,300	11.2%	46	7.8%	\$1,222,099	6.9%	160	27.0%	\$3,867,475	21.8%	593	\$17,764,264
1981	37	6.2%	\$1,605,681	7.0%	300	50.0%	\$11,102,067	48.2%	78	13.0%	\$1,423,262	6.2%	46	7.7%	\$1,351,497	5.9%	157	26.2%	\$7,554,715	32.8%	600	\$23,037,222
1982	38	6.3%	\$955,488	3.2%	301	50.0%	\$21,223,936	70.8%	86	14.3%	\$2,165,988	7.2%	47	7.8%	\$1,867,826	6.2%	156	25.9%	\$3,759,512	12.5%	602	\$29,972,750
1983	36	5.8%	\$542,676	2.2%	315	50.3%	\$18,708,711	77.4%	90	14.4%	\$1,456,079	6.0%	42	6.7%	\$1,144,781	4.7%	168	26.8%	\$2,325,789	9.6%	626	\$24,178,036
1984	35	5.6%	\$687,029	4.3%	309	49.8%	\$7,352,588	46.3%	93	15.0%	\$2,407,175	15.2%	38	6.1%	\$918,581	5.8%	179	28.9%	\$4,517,688	28.4%	620	\$15,883,060
1985	34	5.4%	\$572,578	1.5%	316	50.6%	\$25,923,750	69.8%	103	16.5%	\$4,394,243	11.8%	41	6.6%	\$2,173,170	5.8%	169	27.0%	\$4,098,763	11.0%	625	\$37,162,504
1986	34	5.3%	\$475,657	1.2%	332	51.5%	\$30,411,120	77.0%	100	15.5%	\$2,364,416	6.0%	35	5.4%	\$1,580,279	4.0%	191	29.6%	\$4,653,059	11.8%	645	\$39,484,531
1987	30	4.6%	\$689,954	0.8%	363	55.8%	\$76,117,970	87.0%	80	12.3%	\$3,328,164	3.8%	40	6.2%	\$2,215,549	2.5%	184	28.3%	\$5,165,816	5.9%	650	\$87,517,454
1988	27	4.1%	\$729,050	0.7%	439	67.0%	\$84,204,094	84.2%	110	16.8%	\$5,105,369	5.1%	49	7.5%	\$1,652,783	1.7%	205	31.3%	\$8,358,514	8.4%	655	\$100,049,811
1989	23	3.5%	\$406,830	0.4%	424	64.4%	\$101,228,586	88.3%	103	15.7%	\$2,643,291	2.3%	33	5.0%	\$2,119,298	1.8%	175	26.6%	\$8,178,874	7.1%	658	\$114,576,878
1990	20	3.0%	\$359,624	1.2%	454	68.6%	\$22,867,499	78.2%	90	13.6%	\$1,208,217	4.1%	45	6.8%	\$1,202,704	4.1%	179	27.0%	\$3,611,923	12.3%	662	\$29,249,967
1991	20	3.1%	\$264,100	2.1%	431	66.5%	\$8,688,233	67.8%	89	13.7%	\$705,070	5.5%	32	4.9%	\$883,810	6.9%	188	29.0%	\$2,269,542	17.7%	648	\$12,810,754
1992	20	3.1%	\$302,797	0.5%	449	68.7%	\$51,275,729	91.7%	98	15.0%	\$901,034	1.6%	31	4.7%	\$1,557,550	2.8%	186	28.4%	\$1,882,292	3.4%	654	\$55,919,402
1993	17	2.7%	\$197,933	0.8%	437	68.2%	\$20,074,121	85.5%	60	9.4%	\$534,831	2.3%	27	4.2%	\$686,097	2.9%	121	18.9%	\$1,990,716	8.5%	641	\$23,483,698
1994	16	2.6%	\$238,497	1.0%	425	68.9%	\$19,828,605	81.2%	61	9.9%	\$601,075	2.5%	30	4.9%	\$911,448	3.7%	114	18.5%	\$2,846,046	11.7%	617	\$24,425,671
1995	23	3.7%	\$328,226	2.4%	417	66.7%	\$10,307,098	74.2%	48	7.7%	\$528,365	3.8%	33	5.3%	\$901,784	6.5%	119	19.0%	\$1,833,608	13.2%	625	\$13,899,079
1996	24	4.0%	\$815,213	4.0%	406	67.2%	\$17,203,569	83.9%	46	7.6%	\$380,915	1.9%	30	5.0%	\$668,106	3.3%	115	19.0%	\$1,432,139	7.0%	604	\$20,499,941
1997	25	4.1%	\$693,700	3.0%	429	71.1%	\$20,641,287	89.4%	35	5.8%	\$235,164	1.0%	25	4.1%	\$309,874	1.3%	119	19.7%	\$1,213,128	5.3%	603	\$23,093,154
1998	24	4.3%	\$290,188	4.6%	383	68.5%	\$4,749,823	75.1%	35	6.3%	\$250,308	4.0%	26	4.7%	\$253,249	4.0%	99	17.7%	\$784,111	12.4%	559	\$6,327,679
1999	20	3.6%	\$339,150	2.4%	382	68.7%	\$11,791,410	82.9%	38	6.8%	\$649,116	4.6%	23	4.1%	\$577,539	4.1%	104	18.7%	\$860,538	6.1%	556	\$14,217,753
2000	24	4.5%	\$252,649	4.2%	366	68.7%	\$4,150,289	69.8%	44	8.3%	\$412,650	6.9%	23	4.3%	\$405,862	6.8%	97	18.2%	\$724,346	12.2%	533	\$5,945,796
2001	18	3.6%	\$179,438	3.3%	347	68.7%	\$4,481,993	82.1%	34	6.7%	\$205,875	3.8%	24	4.8%	\$179,907	3.3%	93	18.4%	\$415,058	7.6%	505	\$5,462,271
2002	24	4.8%	\$250,098	3.4%	351	70.8%	\$6,360,652	87.0%	33	6.7%	\$242,421	3.3%	19	3.8%	\$157,443	2.2%	71	14.3%	\$298,305	4.1%	496	\$7,308,919
2003	24	5.1%	\$461,245	4.4%	342	72.5%	\$9,144,746	87.8%	30	6.4%	\$278,161	2.7%	22	4.7%	\$220,514	2.1%	59	12.5%	\$311,984	3.0%	472	\$10,416,649
2004	19	4.0%	\$119,011	0.9%	352	73.2%	\$12,653,286	90.7%	35	7.3%	\$476,471	3.4%	18	3.7%	\$403,329	2.9%	65	13.5%	\$300,740	2.2%	481	\$13,952,837
2005	17	3.4%	\$122,687	0.7%	357	71.5%	\$17,310,127	92.6%	33	6.6%	\$347,463	1.9%	25	5.0%	\$572,533	3.1%	72	14.4%	\$345,100	1.8%	499	\$18,697,911
2006	22	4.6%	\$138,700	1.4%	335	69.5%	\$8,800,845	87.1%	36	7.5%	\$406,517	4.0%	24	5.0%	\$442,111	4.4%	70	14.5%	\$312,393	3.1%	482	\$10,100,565
2007	16	3.3%	\$225,312	1.9%	339	70.2%	\$10,095,692	86.7%	31	6.4%	\$458,173	3.9%	22	4.6%	\$485,164	4.2%	77	15.9%	\$373,872	3.2%	483	\$11,638,212
2008	18	3.7%	\$231,581	1.9%	329	68.0%	\$10,914,163	87.2%	31	6.4%	\$270,841	2.2%	27	5.6%	\$424,733	3.4%	88	18.2%	\$673,747	5.4%	484	\$12,515,064
2009	19	4.0%	\$327,111	3.3%	328	69.5%	\$7,748,007	78.2%	32	6.8%	\$613,435	6.2%	24	5.1%	\$629,243	6.4%	84	17.8%	\$584,563	5.9%	472	\$9,902,359
2010	21	4.3%	\$165,643	1.1%	329	67.4%	\$13,137,872	85.4%	32	6.6%	\$570,940	3.7%	29	5.9%	\$824,203	5.4%	86	17.6%	\$692,656	4.5%	488	\$15,391,315
2011	21	3.8%	\$227,568	1.1%	387	70.6%	\$18,781,967	88.6%	33	6.0%	\$741,632	3.5%	28	5.1%	\$930,998	4.4%	84	15.3%	\$514,812	2.4%	548	\$21,196,976
2012	15	3.1%	\$113,201	4.3%	340	70.0%	\$1,249,555	47.7%	31	6.4%	\$345,883	13.2%	27	5.6%	\$599,523	22.9%	73	15.0%	\$310,706	11.9%	486	\$2,618,868
2013	18	3.5%	\$546,317	3.8%	367	71.3%	\$12,161,334	83.8%	30	5.8%	\$480,350	3.3%	31	6.0%	\$727,243	5.0%	75	14.6%	\$591,832	4.1%	515	\$14,507,075
2014	19	3.6%	\$441,837	4.0%	378	71.5%	\$8,818,696	79.5%	27	5.1%	\$530,847	4.8%	27	5.1%	\$594,693	5.4%	80	15.1%	\$712,272	6.4%	529	\$11,098,345
2015	25	4.6%	\$381,865	2.7%	385	70.3%	\$12,328,918	86.5%	30	5.5%	\$369,272	2.6%	31	5.7%	\$559,255	3.9%	82	15.0%	\$615,897	4.3%	548	\$14,255,207

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.
- Both permits used in stacked permit operations are counted in this table even if landings documented on only one permit.



## Appendix A. DNR Shore Fishery Lease



*As of March 1, 2016.*



## Appendix B. Dual and Stacked Permit Regulations

Dual Permits:					
Fishery and Fishery Code	First Season In Effect	Basic Regulation	Identification	Special Considerations	Regulations
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.	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>

### 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
Kodiak Salmon Set Gillnet <b>S04K</b>	2 regulations: (a) 2008 and (b) 1985 then 2010:	(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.  Board of Fish allowed stacked permit regulation to sunset.	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 expire December, 2010  Was not Reauthorized	<a href="#">5 AAC 18.331</a>

Appendix B

**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 S04T	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 Set Gillnet S04H	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 S04D	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 31, 2017	<a href="#">5 AAC 30.345</a>