

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

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Commercial Fisheries Entry Commission
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Abstract

Limited entry permits held in the Kodiak commercial salmon fisheries are examined: the purse seine fishery (S01K permits) is first, followed by beach seine (S02K permits), and then set gillnet (S04K permits). This report includes summary statistics on the number of permit holdings, permanent and emergency transfers of permits, permit value, permit latency, new entrants in the fisheries, permit holder median age, estimated gross earnings, vessel characteristics for the purse and beach seine fisheries, 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.

The figures on the cover display proportion of average earnings by species for the three Kodiak salmon fisheries in this report. Data is from ADF&G fish tickets from 1975 to 2018.

Prepared by Brad Robbins and Daniel Strong

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Special thanks to Marcus Gho for his insights and contributions to this document..

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Introduction

This report provides an overview of limited entry permit holdings and estimated gross earnings in the Kodiak commercial salmon fisheries. Commercial fishing in Kodiak has been documented as far back as 1882.¹ Historically, several gear types have been employed to commercially catch salmon in Kodiak, but today the three commercial salmon fisheries prosecuted in Kodiak are: purse seine (S01K); beach seine (S02K); and set gillnet (S04K) 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 Kodiak commercial salmon fisheries were part of an original group of 19 Alaska salmon fisheries that were limited after the Alaska legislature passed the limited entry act. Under the authority of AS 16.43.230, CFEC identified the Kodiak purse seine fishery as a “distressed fisheries” in the State’s limited entry regulations². Salmon limited entry permits in all three Kodiak fisheries were first issued in 1975.

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

ADF&G fish tickets identify, among other things, the species harvested. Salmon species on fish tickets are well documented for each of these fisheries. Variations do exist in the financial composition for each of the five major salmon species commercially exploited in Kodiak 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 Kodiak Salmon Fisheries by Species, 1975-2018

Species	Kodiak Purse Seine	Kodiak Beach Seine	Kodiak Set Gillnet	Total Kodiak Salmon
Chinook	0.4%	0.2%	0.2%	0.4%
sockeye	39.9%	10.3%	72.1%	46.6%
coho	3.9%	12.6%	2.4%	3.7%
pink	45.6%	67.3%	20.8%	40.5%
chum	10.1%	9.7%	4.4%	8.9%

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

² See 20 AAC 05.300.

Description of the Data Files Used to Generate This Report

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

CFEC Gross Earnings File

The CFEC gross earnings file is based on ADF&G fish tickets and is augmented with CFEC permit holder and other data. The ex-vessel value for salmon in the CFEC gross earnings file largely come from the Commercial Operators Annual Report and ADF&G fish tickets with some additional information provided by processors. ADF&G salmon districts were mapped out from statistical areas using information provided by ADF&G. Please refer to Appendix C for a list of all salmon statistical areas used in this report to map out fishing districts.

CFEC Permit File

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

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

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

CFEC Vessel File

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

DNR Shore Fishery Lease Data File

The DNR Land Administration System contains records used to maintain the DNR Shore Fishery Lease program. These records were merged with the CFEC permit file to create a dataset in 2016. The steps outlining the creation of the dataset is described in CFEC Report Number 16-2N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2018*.

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 Kodiak Salmon Fisheries, as Indicated in the CFEC Census File

Afognak	Karluk	Pleasant Harbor	Uganik Bay
Akhiok	Kodiak	Port Bailey	Uyak
Aleneva	Kodiak Station	Port Hobron	Uyak Bay
Alitak	Larsen Bay	Port Lions	West Point
Amook Pass	Moser Bay	Port Obrien	Womens Bay
Chiniak	Old Harbor	Port Williams	Woody Island
Kanatak	Ouzinkie	Terror Bay	Zachar Bay

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.

Kodiak Salmon Purse Seine Fishery

S01K Permit Holdings

License limitation permits for the Kodiak salmon purse seine fishery (S01K 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 384 S01K permits. Of this total, Alaska Locals received 63.0% (242/384) of the permits, Nonlocal Alaskans received 9.4% (36/384) of the permits, and Nonresidents received 27.6% (106/384). Every permit issued was a transferable permit.

Table 3. Initial Issuance and Year-end 2018 Totals of Kodiak Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 YEAR-END	
<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>Percent</i>
Local	242	63.0%	64	26.4%	-97	-40.1%	-3	-1.2%	206	54.9%
Nonlocal	36	9.4%	34	94.4%	31	86.1%	-4	-11.1%	97	25.9%
Nonresident	106	27.6%	-98	-92.5%	66	62.3%	-2	-1.9%	72	19.2%
Total	384	100.0%	N/A	N/A	N/A	N/A	-9	-2.3%	375	100.0%

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

Transfers of S01K Permits

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

Table 4. Transfer Acquisition Methods for Kodiak Salmon Purse Seine Permits, 1980-2018

Acquisition Method	Kodiak Salmon Purse Seine		Combined Kodiak		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	305	28.5%	1,020	46.5%	1,210	31.8%	14,202	36.7%
Sale	710	66.4%	1,051	47.9%	2,396	63.0%	22,761	58.8%
Trade	16	1.5%	28	1.3%	64	1.7%	523	1.4%
Other	39	3.6%	93	4.2%	134	3.5%	1,238	3.2%
Total	1,070	100.0%	2,192	100.0%	3,804	100.0%	38,724	100.0%

Table 4 presents transfer acquisition methods for the S01K permits, all three Kodiak salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits between 1980 and 2018. Two thirds of all S01K permit transfers were sales (66.4%, or 710/1,070), just over one fourth were transferred as gifts (28.5% or 305/1,070), and a smaller percentage were trades (1.5% or 16/1,070) or other (3.6% or 39/1,070). The annual acquisition methods for the limited S01K permits have not changed substantially throughout the time period.⁴

Table 5. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Purse Seine Permits, 1980-2018

Relationship	Kodiak Salmon Purse Seine		Combined Kodiak		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	211	19.7%	539	24.6%	679	17.8%	7,169	18.5%
Member of Immediate Family	283	26.4%	778	35.5%	1,220	32.1%	13,096	33.8%
Other Relative	44	4.1%	133	6.1%	148	3.9%	1,769	4.6%
Other	532	49.7%	742	33.9%	1,757	46.2%	16,690	43.1%
Total	1,070	100.0%	2,192	100.0%	3,804	100.0%	38,724	100.0%

Table 5 shows the relationships between the transferors and transfer recipients for S01K permits, all three Kodiak salmon permit types combined, statewide salmon purse seine permits, and all limited entry permits from 1980 to 2018. Transfers within the family, both immediate family members and other relatives, total 30.6% (327/1,070) of all transfers. This compares to 41.6% (911/2,192) for all three Kodiak salmon permit types combined, 36.0% (1,368/3,804) for statewide salmon purse seine permits, and 38.4% (14,865/38,724) for all limited entry permits statewide.

³ CFEC implemented the transfer survey in 1980.

⁴ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2018*, CFEC Report No. 16-3N.

S01K 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 Kodiak Salmon Purse Seine Permits

Year	S01K Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	29	\$39,817		\$103,610	
1985	23	\$46,337		\$108,137	
1986	27	\$37,036		\$84,854	
1987	40	\$43,385		\$95,900	
1988	35	\$66,734		\$141,652	
1989	19	\$139,289		\$282,068	
1990	16	\$148,563		\$285,426	
1991	15	\$122,800	\$13,550	\$226,402	\$24,982
1992	20	\$69,900	\$8,500	\$125,106	\$15,213
1993	17	\$60,900	\$7,800	\$105,830	\$13,555
1994	24	\$45,000	\$7,800	\$76,247	\$13,216
1995	24	\$50,400	\$8,300	\$83,043	\$13,676
1996	11	\$46,900	\$6,250	\$75,060	\$10,003
1997	13	\$41,700	\$5,950	\$65,241	\$9,309
1998	11	\$33,000	\$6,450	\$50,838	\$9,936
1999	20	\$29,800	\$4,500	\$44,916	\$6,783
2000	20	\$20,400	\$3,800	\$29,748	\$5,541
2001	3	\$17,100	\$2,550	\$24,246	\$3,616
2002	7	\$9,900	\$3,600	\$13,819	\$5,025
2003	7	\$8,600	\$3,100	\$11,737	\$4,231
2004	12	\$10,200	\$1,150	\$13,559	\$1,529
2005	19	\$14,300	\$3,650	\$18,386	\$4,693
2006	17	\$18,000	\$1,800	\$22,420	\$2,242
2007	16	\$21,300	\$3,050	\$25,796	\$3,694
2008	19	\$24,200	\$1,400	\$28,224	\$1,633
2009	16	\$26,000	\$1,100	\$30,432	\$1,288
2010	13	\$27,700	\$2,100	\$31,899	\$2,418
2011	21	\$44,000	\$6,400	\$49,119	\$7,145
2012	9	\$41,700	\$5,400	\$45,607	\$5,906
2013	18	\$40,600	\$5,000	\$43,763	\$5,390
2014	16	\$50,600	\$3,650	\$53,672	\$3,872
2015	6	\$40,000	\$900	\$42,378	\$954
2016	1	\$38,300	\$3,600	\$40,071	\$3,766
2017	14	\$27,200	\$2,650	\$27,864	\$2,715
2018	10	\$26,800	\$2,400	\$26,800	\$2,400

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

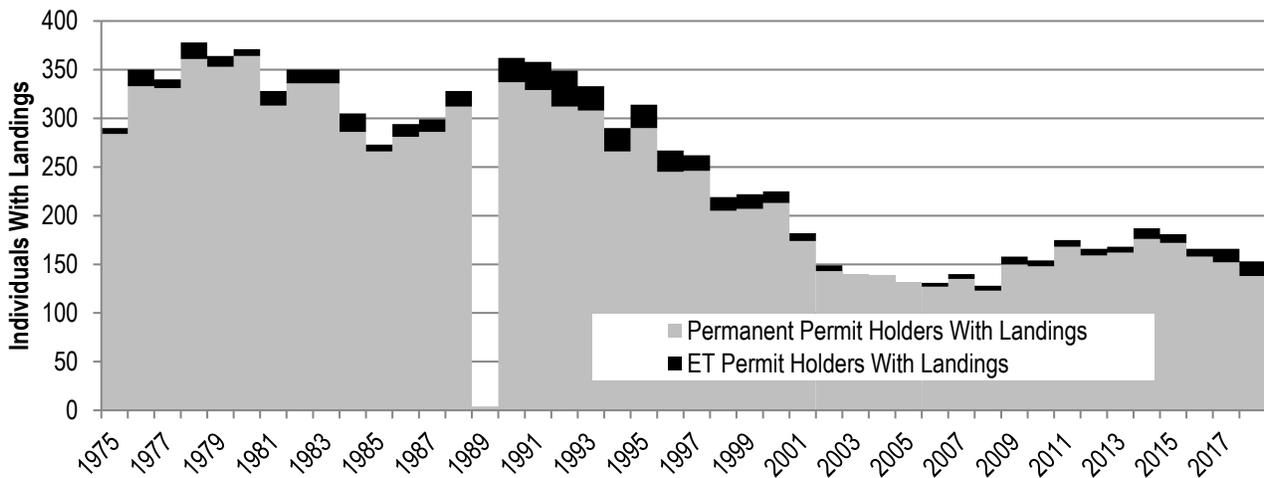
Emergency Transfers of S01K Permits

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

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

Table 7. Use of Emergency Transfer Permits in the Kodiak Salmon Purse Seine Fishery, 1975-2018

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	290	6	2.1%
1976	350	17	4.9%
1977	340	9	2.6%
1978	378	17	4.5%
1979	364	11	3.0%
1980	371	7	1.9%
1981	328	15	4.6%
1982	350	14	4.0%
1983	350	14	4.0%
1984	305	19	6.2%
1985	273	7	2.6%
1986	294	13	4.4%
1987	299	13	4.3%
1988	328	16	4.9%
1989	4	0	0.0%
1991	362	25	6.9%
1992	358	29	8.1%
1993	349	37	10.6%
1994	333	25	7.5%
1995	290	24	8.3%
1996	314	24	7.6%
1997	267	22	8.2%
1998	262	16	6.1%
1999	219	14	6.4%
2000	222	15	6.8%
2001	225	12	5.3%
2002	182	8	4.4%
2003	149	6	4.0%
2004	143	3	2.1%
2005	135	2	1.5%
2006	131	4	3.1%
2007	140	5	3.6%
2008	128	5	3.9%
2009	158	8	5.1%
2010	154	6	3.9%
2011	175	7	4.0%
2012	166	7	4.2%
2013	168	6	3.6%
2014	187	11	5.9%
2015	181	9	5.0%
2016	166	8	4.8%
2017	166	14	8.4%
2018	153	15	9.8%



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

Latent S01K 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 S01K 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.

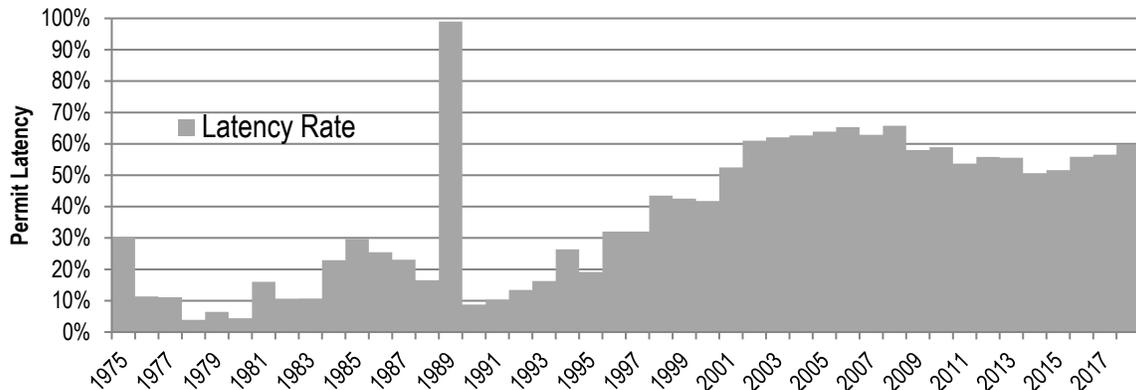
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 8. Kodiak Salmon Purse Seine Permit Latency, 1975-2018

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	413	288	30.3%	1990	388	354	8.8%	2005	374	135	63.9%
1976	388	344	11.3%	1991	388	348	10.3%	2006	375	130	65.3%
1977	378	336	11.1%	1992	387	335	13.4%	2007	377	140	62.9%
1978	387	372	3.9%	1993	387	324	16.3%	2008	374	128	65.8%
1979	387	362	6.5%	1994	387	285	26.4%	2009	374	157	58.0%
1980	387	370	4.4%	1995	386	312	19.2%	2010	375	154	58.9%
1981	387	325	16.0%	1996	384	261	32.0%	2011	376	174	53.7%
1982	386	345	10.6%	1997	384	261	32.0%	2012	376	166	55.9%
1983	383	342	10.7%	1998	384	217	43.5%	2013	376	167	55.6%
1984	384	296	22.9%	1999	383	220	42.6%	2014	373	184	50.7%
1985	384	270	29.7%	2000	383	223	41.8%	2015	372	180	51.6%
1986	385	287	25.5%	2001	383	182	52.5%	2016	374	165	55.9%
1987	386	297	23.1%	2002	382	149	61.0%	2017	375	163	56.5%
1988	387	323	16.5%	2003	377	143	62.1%	2018	375	151	59.7%
1989	388	4	99.0%	2004	375	140	62.7%				

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

Figure 1. Kodiak Salmon Purse Seine Permit Latency, 1975-2018



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

New Entrants into the Kodiak Salmon Purse Seine Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S01K permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

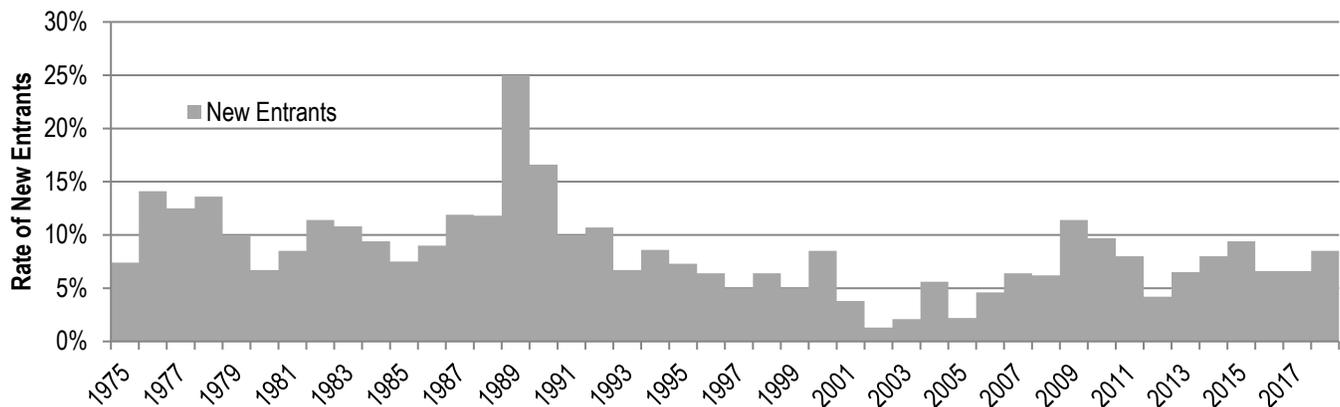
Table 9 and Figure 3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01K permit one year, and then in subsequent years hold a different S01K permit. Likewise, individuals may enter and exit 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 Kodiak Salmon Purse Seine Fishery, 1975-2018

Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants	
		Count	Percent												
1975	257	19	7.4%	1986	289	26	9.0%	1997	262	13	5.0%	2008	129	8	6.2%
1976	327	46	14.1%	1987	294	35	11.9%	1998	219	14	6.4%	2009	158	18	11.4%
1977	328	41	12.5%	1988	323	38	11.8%	1999	221	11	5.0%	2010	154	15	9.7%
1978	367	50	13.6%	1989	4	1	25.0%	2000	224	19	8.5%	2011	175	14	8.0%
1979	353	35	9.9%	1990	356	59	16.6%	2001	182	7	3.8%	2012	166	7	4.2%
1980	359	24	6.7%	1991	353	35	9.9%	2002	150	2	1.3%	2013	168	11	6.5%
1981	318	27	8.5%	1992	346	37	10.7%	2003	143	3	2.1%	2014	187	15	8.0%
1982	341	39	11.4%	1993	329	22	6.7%	2004	142	8	5.6%	2015	181	17	9.4%
1983	344	37	10.8%	1994	290	25	8.6%	2005	135	3	2.2%	2016	166	11	6.6%
1984	299	28	9.4%	1995	313	23	7.3%	2006	131	6	4.6%	2017	166	11	6.6%
1985	268	20	7.5%	1996	267	17	6.4%	2007	140	9	6.4%	2018	153	13	8.5%

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

Figure 2. New Entrants into the Kodiak Salmon Purse Seine Fishery, 1975-2018



Age of S01K Permit Holders

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

Year	S01K	Combined Kodiak	Statewide Salmon Purse Seine	Statewide All Permits	Mean AK Worker Age
1980	40.3	39.4	42.3	38.9	33.4
1981	40.8	39.7	42.4	39.9	33.5
1982	41.0	39.9	42.2	40.0	33.6
1983	40.8	40.0	41.9	40.2	33.7
1984	41.5	40.5	42.1	40.4	33.8
1985	41.8	40.9	42.6	40.8	34.0
1986	40.9	40.6	42.5	41.0	34.2
1987	40.6	40.2	42.5	40.9	34.5
1988	40.5	40.5	42.7	41.2	34.9
1989	40.8	40.8	42.8	41.5	35.3
1990	41.4	41.4	43.2	42.0	35.5
1991	41.9	41.6	43.5	42.5	35.9
1992	42.3	41.8	44.0	42.9	36.2
1993	42.9	42.4	44.6	43.5	36.5
1994	43.5	43.1	45.0	44.0	36.7
1995	43.6	43.6	45.4	44.4	37.0
1996	44.3	44.0	45.8	44.8	37.2
1997	44.6	44.2	46.4	45.1	37.4
1998	45.1	44.7	46.8	45.6	37.6
1999	45.5	44.9	47.2	46.0	37.8
2000	46.1	45.5	47.3	46.4	37.9
2001	46.9	46.3	48.0	46.9	38.1
2002	47.8	47.1	48.5	47.4	38.3
2003	48.6	47.9	49.4	47.9	38.4
2004	49.4	48.5	50.1	48.2	38.6
2005	49.9	48.8	50.6	48.4	38.7
2006	49.9	48.6	51.1	48.7	38.8
2007	50.3	49.1	51.5	48.9	38.9
2008	50.4	49.3	51.1	49.0	39.0
2009	50.5	49.9	51.3	49.3	39.1
2010	51.2	50.6	51.4	49.5	39.2
2011	50.8	49.9	51.3	49.6	39.4
2012	51.3	50.7	51.4	49.8	39.4
2013	51.3	50.8	51.2	50.0	39.5
2014	50.8	50.7	51.0	50.2	39.5
2015	51.3	51.1	51.4	50.6	39.5
2016	52.2	51.6	52.0	50.9	39.6
2017	52.8	52.4	52.4	51.3	39.6
2018	53.2	52.5	52.6	51.7	39.6

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

Table 10 shows the annual mean age of five different cohorts of people: 1) Kodiak salmon purse seine (S01K) permit holders; 2) all three (S01K, S02K, and S04K) Kodiak salmon permit holders; 3) statewide salmon purse seine permit holders 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S01K permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The mean age of the general Alaskan population has increased 6.2 years between 1980 and 2018, which represents a 18.6% increase. The percent change in ages over the same period for all CFEC permit holders increased by 32.8% (12.8 years), 24.2% (10.2 years) for the statewide salmon purse seine permit holders, and 33.3% (13.1 years) for the combined Kodiak salmon permit holders.

For S01K permit holders, the median age increased 32.1% (12.9 years).

Kodiak Salmon Purse Seine Vessel Characteristics

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

Table 11. Kodiak Salmon Purse Seine Vessel Characteristics

Year	Total Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Total Count	25%	Median	75%	Total Count	25%	Median	75%	Total Count	25%	Median	75%	Considered	Count	Percent	Total Count	25%	Median	75%
1978	372	363	4	13	22	368	31	35	38	364	125	165	215	343	7	2.0%	220	325	480	780
1979	386	375	2	9	23	379	31	36	39	368	130	165	225	353	9	2.5%	223	325	500	800
1980	376	365	2	8	21	370	32	37	40	351	130	175	245	343	7	2.0%	230	360	588	850
1981	345	336	3	10	21	340	32	36	40	330	130	173	250	320	4	1.3%	192	347	545	820
1982	341	326	4	9	20	329	33	37	41	320	130	193	263	320	9	2.8%	192	390	600	850
1983	341	331	5	10	21	334	32	36	41	331	130	190	265	326	9	2.8%	197	400	600	880
1984	299	289	6	10	20	291	33	38	41	288	140	200	280	286	9	3.1%	177	440	600	880
1985	270	263	7	11	21	263	34	38	42	260	140	200	280	261	5	1.9%	156	390	600	890
1986	280	279	8	12	22	279	34	38	42	277	140	200	280	276	9	3.3%	174	400	600	945
1987	294	293	9	12	22	293	34	38	42	292	160	200	280	289	15	5.2%	191	400	600	880
1988	321	320	9	13	23	320	35	38	42	318	155	210	280	315	14	4.4%	213	420	600	900
1989	4	4	1	7	14	4	38	43	47	4	213	400	825	4	1	25.0%	3	900	900	1,20
1990	354	353	10	13	19	354	36	39	46	348	180	250	335	338	55	16.3%	240	500	715	1,00
1991	350	349	11	13	20	350	38	41	47	345	195	260	360	338	66	19.5%	240	500	790	1,00
1992	333	332	12	14	21	333	38	41	47	330	200	273	360	320	70	21.9%	221	500	750	1,00
1993	327	326	13	15	21	327	38	41	47	324	200	280	360	312	73	23.4%	223	500	750	1,10
1994	287	286	14	16	22	287	38	41	47	283	200	280	368	277	69	24.9%	199	500	750	1,00
1995	311	311	14	17	23	311	38	42	48	307	200	290	365	299	85	28.4%	220	500	800	1,10
1996	260	259	15	18	22	260	38	42	48	257	220	300	400	250	77	30.8%	174	516	800	1,10
1997	263	262	15	19	23	263	38	42	48	260	223	300	400	253	79	31.2%	167	520	800	1,10
1998	215	215	16	20	24	215	38	42	48	213	230	300	400	205	64	31.2%	139	520	800	1,10
1999	216	216	17	21	25	216	38	42	48	214	225	300	400	207	65	31.4%	136	520	790	1,10
2000	219	218	18	22	25	219	38	42	48	216	240	300	400	211	67	31.8%	142	520	800	1,19
2001	180	179	18	22	25	180	38	43	50	179	240	300	400	174	57	32.8%	115	575	840	1,19
2002	147	146	15	23	26	147	39	44	50	144	250	320	440	141	58	41.1%	92	600	845	1,19
2003	138	137	16	24	26	138	40	44	50	137	250	320	440	132	61	46.2%	87	600	850	1,30
2004	137	136	16	25	27	137	42	46	51	136	280	345	540	131	64	48.9%	86	650	900	1,30
2005	131	131	16	26	28	131	42	47	51	131	280	350	540	125	70	56.0%	83	600	900	1,20
2006	128	128	17	27	29	128	42	48	52	128	300	355	550	124	81	65.3%	87	650	1,000	1,40
2007	136	136	18	28	30	136	42	47	52	136	300	370	550	131	90	68.7%	90	650	1,000	1,40
2008	125	125	19	29	31	125	42	48	52	125	300	365	550	121	79	65.3%	85	650	900	1,30
2009	152	152	20	30	32	152	42	47	52	152	285	350	550	147	90	61.2%	101	640	900	1,30
2010	145	145	21	30	33	145	42	47	52	145	280	350	550	140	91	65.0%	100	713	1,000	1,47
2011	168	168	22	31	34	168	42	47	52	168	280	355	550	163	105	64.4%	114	670	975	1,40
2012	156	156	24	33	35	156	42	47	52	155	280	350	550	152	94	61.8%	105	650	950	1,40
2013	164	164	25	34	37	164	42	47	51	163	270	350	540	160	100	62.5%	114	650	900	1,44
2014	178	178	26	35	38	178	42	47	52	175	270	350	525	174	111	63.8%	117	600	900	1,30
2015	171	171	29	36	39	171	42	46	51	169	275	330	450	167	108	64.7%	119	600	900	1,30
2016	157	157	30	37	40	157	41	46	51	156	278	338	513	153	101	66.0%	109	600	950	1,44
2017	154	154	29	38	41	154	42	47	52	153	280	350	525	151	109	72.2%	110	600	925	1,40
2018	147	147	29	39	41	147	42	47	53	146	280	350	550	144	108	75.0%	105	600	1,000	1,50

Kodiak Salmon Purse Seine (S01K)

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

Table 12. Additional Kodiak Salmon Purse Seine Vessel Characteristics

Year	Total Vessel Count	Engine Power						Hull Material									
		Total Count	Diesel		Gas		Total Count	Aluminum		Fiberglass		Steel		Wood		Other	
			Count	Percent	Count	Percent		Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1978	372	370	348	94.1%	22	5.9%	370	5	1.4%	145	39.2%	24	6.5%	196	53.0%	0	0.0%
1979	386	381	362	95.0%	19	5.0%	381	6	1.6%	171	44.9%	22	5.8%	182	47.8%	0	0.0%
1980	376	371	353	95.1%	18	4.9%	369	9	2.4%	192	52.0%	21	5.7%	147	39.8%	0	0.0%
1981	345	341	324	95.0%	17	5.0%	335	12	3.6%	167	49.9%	19	5.7%	137	40.9%	0	0.0%
1982	341	331	318	96.1%	13	3.9%	327	10	3.1%	176	53.8%	17	5.2%	124	37.9%	0	0.0%
1983	341	335	316	94.3%	19	5.7%	333	15	4.5%	176	52.9%	16	4.8%	126	37.8%	0	0.0%
1984	299	292	279	95.5%	13	4.5%	292	13	4.5%	168	57.5%	14	4.8%	97	33.2%	0	0.0%
1985	270	264	258	97.7%	6	2.3%	264	10	3.8%	163	61.7%	11	4.2%	80	30.3%	0	0.0%
1986	280	280	269	96.1%	11	3.9%	280	12	4.3%	171	61.1%	10	3.6%	86	30.7%	1	0.4%
1987	294	294	288	98.0%	6	2.0%	294	10	3.4%	180	61.2%	15	5.1%	88	29.9%	1	0.3%
1988	321	320	313	97.8%	7	2.2%	321	11	3.4%	203	63.2%	16	5.0%	90	28.0%	1	0.3%
1989	4	4	4	100.0%	0	0.0%	4	1	25.0%	3	75.0%	0	0.0%	0	0.0%	0	0.0%
1990	354	352	346	98.3%	6	1.7%	354	11	3.1%	248	70.1%	28	7.9%	66	18.6%	1	0.3%
1991	350	349	345	98.9%	4	1.1%	350	6	1.7%	259	74.0%	28	8.0%	56	16.0%	1	0.3%
1992	333	332	328	98.8%	4	1.2%	333	4	1.2%	252	75.7%	27	8.1%	49	14.7%	1	0.3%
1993	327	326	322	98.8%	4	1.2%	327	8	2.4%	247	75.5%	24	7.3%	47	14.4%	1	0.3%
1994	287	286	281	98.3%	5	1.7%	287	7	2.4%	224	78.0%	20	7.0%	35	12.2%	1	0.3%
1995	311	310	308	99.4%	2	0.6%	311	6	1.9%	244	78.5%	23	7.4%	37	11.9%	1	0.3%
1996	260	259	258	99.6%	1	0.4%	260	3	1.2%	215	82.7%	19	7.3%	22	8.5%	1	0.4%
1997	263	262	261	99.6%	1	0.4%	263	4	1.5%	220	83.7%	16	6.1%	23	8.7%	0	0.0%
1998	215	214	213	99.5%	1	0.5%	215	8	3.7%	175	81.4%	15	7.0%	17	7.9%	0	0.0%
1999	216	215	215	100.0%	0	0.0%	216	6	2.8%	179	82.9%	16	7.4%	15	6.9%	0	0.0%
2000	219	218	218	100.0%	0	0.0%	219	8	3.7%	184	84.0%	15	6.8%	12	5.5%	0	0.0%
2001	180	180	177	98.3%	3	1.7%	180	5	2.8%	154	85.6%	12	6.7%	9	5.0%	0	0.0%
2002	147	146	146	100.0%	0	0.0%	147	4	2.7%	129	87.8%	9	6.1%	5	3.4%	0	0.0%
2003	138	138	136	98.6%	2	1.4%	138	6	4.3%	120	87.0%	9	6.5%	3	2.2%	0	0.0%
2004	137	137	135	98.5%	2	1.5%	137	7	5.1%	117	85.4%	10	7.3%	3	2.2%	0	0.0%
2005	131	131	129	98.5%	2	1.5%	131	6	4.6%	116	88.5%	9	6.9%	0	0.0%	0	0.0%
2006	128	128	127	99.2%	1	0.8%	128	6	4.7%	109	85.2%	13	10.2%	0	0.0%	0	0.0%
2007	136	136	135	99.3%	1	0.7%	136	5	3.7%	119	87.5%	12	8.8%	0	0.0%	0	0.0%
2008	125	125	125	100.0%	0	0.0%	125	5	4.0%	111	88.8%	9	7.2%	0	0.0%	0	0.0%
2009	152	152	149	98.0%	3	2.0%	152	10	6.6%	129	84.9%	13	8.6%	0	0.0%	0	0.0%
2010	145	145	144	99.3%	1	0.7%	145	9	6.2%	120	82.8%	15	10.3%	1	0.7%	0	0.0%
2011	168	168	168	100.0%	0	0.0%	168	9	5.4%	142	84.5%	15	8.9%	2	1.2%	0	0.0%
2012	156	156	154	98.7%	2	1.3%	156	8	5.1%	132	84.6%	12	7.7%	4	2.6%	0	0.0%
2013	164	164	163	99.4%	1	0.6%	164	6	3.7%	143	87.2%	13	7.9%	2	1.2%	0	0.0%
2014	178	178	177	99.4%	1	0.6%	178	8	4.5%	150	84.3%	15	8.4%	5	2.8%	0	0.0%
2015	171	171	170	99.4%	1	0.6%	171	7	4.1%	146	85.4%	14	8.2%	4	2.3%	0	0.0%
2016	157	157	157	100.0%	0	0.0%	157	6	3.8%	136	86.6%	12	7.6%	3	1.9%	0	0.0%
2017	154	154	154	100.0%	0	0.0%	154	6	3.9%	133	86.4%	12	7.8%	3	1.9%	0	0.0%
2018	147	147	147	100.0%	0	0.0%	147	7	4.8%	127	86.4%	11	7.5%	2	1.4%	0	0.0%

Participation and Earnings

Table 13 reports the number of permits issued, permits and vessels with landings, and estimated gross earnings in the Kodiak salmon purse seine fishery from 1975 to 2018. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

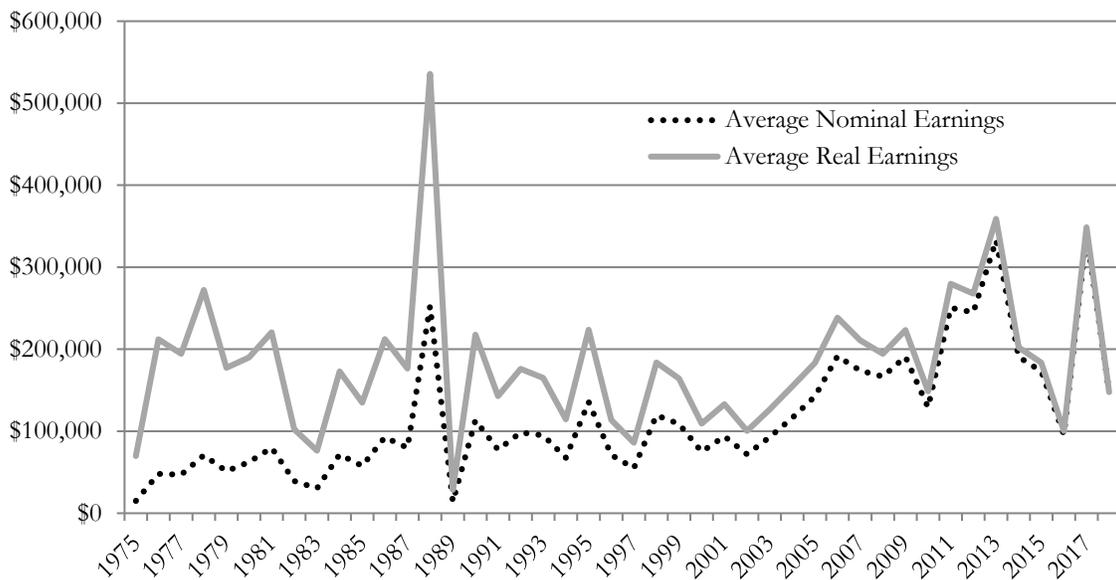
Table 14 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

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

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

Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 2001. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted.

Figure 3. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Purse Seine Permit



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

Kodiak Salmon Purse Seine (S01K)

Table 13. Estimated Total Gross Earnings (Real and Nominal) for the Kodiak Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2018

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	413	\$4,296,415	\$20,053,156	288	\$69,629	288	\$69,629
1976	388	\$16,537,260	\$72,981,052	344	\$212,154	340	\$214,650
1977	378	\$15,772,355	\$65,355,590	336	\$194,511	345	\$189,436
1978	387	\$26,294,974	\$101,270,737	372	\$272,233	372	\$272,233
1979	387	\$18,556,426	\$64,182,487	362	\$177,300	386	\$166,276
1980	387	\$23,074,410	\$70,317,303	370	\$190,047	376	\$187,014
1981	387	\$25,960,104	\$71,713,574	325	\$220,657	345	\$207,865
1982	386	\$13,561,501	\$35,288,994	345	\$102,287	341	\$103,487
1983	383	\$10,341,890	\$26,073,504	342	\$76,238	341	\$76,462
1984	384	\$21,181,904	\$51,192,727	296	\$172,948	299	\$171,213
1985	384	\$15,601,263	\$36,408,795	270	\$134,847	270	\$134,847
1986	385	\$26,602,950	\$60,950,610	287	\$212,371	280	\$217,681
1987	386	\$23,702,188	\$52,392,477	297	\$176,406	294	\$178,206
1988	387	\$81,526,188	\$173,049,843	323	\$535,758	321	\$539,096
1989	388	\$56,422	\$114,258	4	\$28,564	4	\$28,564
1990	388	\$40,117,467	\$77,075,568	354	\$217,728	354	\$217,728
1991	388	\$26,973,828	\$49,730,667	348	\$142,904	350	\$142,088
1992	387	\$32,960,017	\$58,991,383	335	\$176,094	333	\$177,151
1993	387	\$30,756,924	\$53,448,297	324	\$164,964	327	\$163,450
1994	387	\$19,250,419	\$32,617,509	285	\$114,447	287	\$113,650
1995	386	\$42,359,845	\$69,795,627	312	\$223,704	311	\$224,423
1996	384	\$18,551,849	\$29,690,880	261	\$113,758	260	\$114,196
1997	384	\$14,339,237	\$22,434,161	261	\$85,955	263	\$85,301
1998	384	\$25,898,030	\$39,896,789	217	\$183,856	215	\$185,566
1999	383	\$23,971,102	\$36,130,321	220	\$164,229	216	\$167,270
2000	383	\$16,714,285	\$24,373,252	223	\$109,297	219	\$111,293
2001	383	\$17,058,329	\$24,186,708	182	\$132,894	180	\$134,371
2002	382	\$10,710,425	\$14,949,765	149	\$100,334	147	\$101,699
2003	377	\$13,267,251	\$18,105,976	143	\$126,615	138	\$131,203
2004	375	\$16,283,559	\$21,645,927	140	\$154,614	137	\$157,999
2005	374	\$19,242,761	\$24,741,382	135	\$183,269	131	\$188,866
2006	375	\$24,895,666	\$31,009,305	130	\$238,533	128	\$242,260
2007	377	\$24,357,780	\$29,499,132	140	\$210,708	136	\$216,905
2008	374	\$21,343,868	\$24,893,266	128	\$194,479	125	\$199,146
2009	374	\$29,954,846	\$35,060,952	157	\$223,318	152	\$230,664
2010	375	\$19,887,085	\$22,901,394	154	\$148,710	145	\$157,941
2011	376	\$43,603,641	\$48,676,217	174	\$279,748	168	\$289,739
2012	376	\$40,657,909	\$44,467,562	166	\$267,877	156	\$285,048
2013	376	\$55,619,062	\$59,952,419	167	\$358,997	164	\$365,564
2014	373	\$35,065,519	\$37,194,162	184	\$202,142	178	\$208,956
2015	372	\$31,177,877	\$33,031,315	180	\$183,507	171	\$193,166
2016	374	\$15,825,972	\$16,557,902	165	\$100,351	157	\$105,464
2017	375	\$55,493,408	\$56,848,822	163	\$348,766	154	\$369,148
2018	375	\$22,304,497	\$22,304,497	151	\$147,712	147	\$151,731

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.

Table 14. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Purse Seine Fishery by Resident Type, 1975-2018

Year	Local			Nonlocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	197	\$66,231	\$13,047,465	23	\$69,693	\$1,602,928	70	\$77,182	\$5,402,763	290	\$69,149	\$20,053,156
1976	225	\$182,708	\$41,109,333	26	\$229,119	\$5,957,095	99	\$261,764	\$25,914,625	350	\$208,517	\$72,981,052
1977	223	\$182,348	\$40,663,586	29	\$210,380	\$6,101,034	88	\$211,261	\$18,590,970	340	\$192,222	\$65,355,590
1978	239	\$239,738	\$57,297,480	41	\$301,189	\$12,348,756	98	\$322,699	\$31,624,501	378	\$267,912	\$101,270,737
1979	238	\$165,432	\$39,372,881	29	\$185,786	\$5,387,785	97	\$200,225	\$19,421,821	364	\$176,326	\$64,182,487
1980	238	\$173,010	\$41,176,315	37	\$213,678	\$7,906,083	96	\$221,197	\$21,234,906	371	\$189,535	\$70,317,303
1981	225	\$196,257	\$44,157,917	26	\$243,920	\$6,341,908	77	\$275,503	\$21,213,750	328	\$218,639	\$71,713,574
1982	234	\$91,478	\$21,405,951	33	\$89,407	\$2,950,436	83	\$131,718	\$10,932,607	350	\$100,826	\$35,288,994
1983	235	\$63,945	\$15,027,153	29	\$73,640	\$2,135,559	86	\$103,614	\$8,910,792	350	\$74,496	\$26,073,504
1984	205	\$142,996	\$29,314,208	24	\$184,994	\$4,439,851	76	\$229,456	\$17,438,668	305	\$167,845	\$51,192,727
1985	186	\$122,620	\$22,807,402	24	\$114,478	\$2,747,471	63	\$172,284	\$10,853,921	273	\$133,366	\$36,408,795
1986	196	\$174,763	\$34,253,478	28	\$196,842	\$5,511,568	70	\$302,651	\$21,185,564	294	\$207,315	\$60,950,610
1987	197	\$157,146	\$30,957,733	27	\$190,970	\$5,156,202	75	\$217,047	\$16,278,543	299	\$175,226	\$52,392,477
1988	209	\$494,867	\$103,427,198	42	\$494,553	\$20,771,207	77	\$634,434	\$48,851,438	328	\$527,591	\$173,049,843
1989	1 - 3	confidential	confidential	1 - 3	confidential	confidential	1 - 3	confidential	confidential	4	\$28,564	\$114,258
1990	219	\$187,187	\$40,993,951	50	\$215,109	\$10,755,465	93	\$272,324	\$25,326,152	362	\$212,916	\$77,075,568
1991	213	\$129,887	\$27,665,983	51	\$129,845	\$6,622,084	94	\$164,283	\$15,442,600	358	\$138,912	\$49,730,667
1992	197	\$157,403	\$31,008,358	63	\$147,480	\$9,291,255	89	\$210,020	\$18,691,770	349	\$169,030	\$58,991,383
1993	199	\$148,395	\$29,530,508	50	\$159,072	\$7,953,580	84	\$190,050	\$15,964,208	333	\$160,505	\$53,448,297
1994	173	\$99,798	\$17,265,055	43	\$120,180	\$5,167,739	74	\$137,631	\$10,184,716	290	\$112,474	\$32,617,509
1995	176	\$201,846	\$35,524,881	53	\$222,102	\$11,771,398	85	\$264,698	\$22,499,348	314	\$222,279	\$69,795,627
1996	159	\$99,830	\$15,872,968	39	\$115,795	\$4,516,002	69	\$134,810	\$9,301,911	267	\$111,202	\$29,690,880
1997	149	\$81,457	\$12,137,149	39	\$78,819	\$3,073,935	74	\$97,609	\$7,223,077	262	\$85,627	\$22,434,161
1998	130	\$170,572	\$22,174,328	32	\$192,264	\$6,152,456	57	\$202,983	\$11,570,006	219	\$182,177	\$39,896,789
1999	132	\$154,686	\$20,418,559	34	\$163,588	\$5,562,006	56	\$181,246	\$10,149,756	222	\$162,749	\$36,130,321
2000	134	\$103,090	\$13,814,104	36	\$109,919	\$3,957,086	55	\$120,037	\$6,602,062	225	\$108,326	\$24,373,252
2001	110	\$125,144	\$13,765,819	29	\$160,622	\$4,658,042	43	\$134,020	\$5,762,847	182	\$132,894	\$24,186,708
2002	91	\$93,893	\$8,544,263	23	\$111,122	\$2,555,816	35	\$109,991	\$3,849,686	149	\$100,334	\$14,949,765
2003	91	\$111,351	\$10,132,921	24	\$177,578	\$4,261,882	28	\$132,542	\$3,711,173	143	\$126,615	\$18,105,976
2004	89	\$133,355	\$11,868,611	22	\$200,295	\$4,406,489	31	\$173,252	\$5,370,827	142	\$152,436	\$21,645,927
2005	80	\$169,467	\$13,557,364	22	\$246,308	\$5,418,781	33	\$174,704	\$5,765,238	135	\$183,269	\$24,741,382
2006	77	\$223,473	\$17,207,407	25	\$293,219	\$7,330,473	29	\$223,153	\$6,471,425	131	\$236,712	\$31,009,305
2007	83	\$198,528	\$16,477,791	28	\$242,087	\$6,778,424	29	\$215,273	\$6,242,917	140	\$210,708	\$29,499,132
2008	73	\$187,047	\$13,654,464	24	\$242,016	\$5,808,390	31	\$175,175	\$5,430,411	128	\$194,479	\$24,893,266
2009	86	\$216,462	\$18,615,731	36	\$240,651	\$8,663,426	36	\$216,161	\$7,781,796	158	\$221,905	\$35,060,952
2010	92	\$139,721	\$12,854,302	33	\$168,286	\$5,553,428	29	\$154,954	\$4,493,664	154	\$148,710	\$22,901,394
2011	106	\$252,518	\$26,766,871	35	\$369,556	\$12,934,449	34	\$263,968	\$8,974,896	175	\$278,150	\$48,676,217
2012	108	\$242,408	\$26,180,015	29	\$358,462	\$10,395,389	29	\$272,143	\$7,892,159	166	\$267,877	\$44,467,562
2013	109	\$330,930	\$36,071,378	35	\$415,113	\$14,528,957	24	\$389,670	\$9,352,084	168	\$356,860	\$59,952,419
2014	120	\$202,529	\$24,303,521	42	\$207,932	\$8,733,146	25	\$166,300	\$4,157,495	187	\$198,899	\$37,194,162
2015	116	\$172,968	\$20,064,281	43	\$205,122	\$8,820,250	22	\$188,490	\$4,146,784	181	\$182,493	\$33,031,315
2016	110	\$87,946	\$9,674,061	36	\$143,544	\$5,167,587	20	\$85,813	\$1,716,253	166	\$99,746	\$16,557,902
2017	109	\$309,516	\$33,737,191	35	\$461,187	\$16,141,556	22	\$316,822	\$6,970,074	166	\$342,463	\$56,848,822
2018	103	\$135,027	\$13,907,809	35	\$188,474	\$6,596,603	15	\$120,006	\$1,800,086	153	\$145,781	\$22,304,497

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year. Note that these counts are for individuals, not permits.

Kodiak Salmon Purse Seine (S01K)

Table 15. Gross Real Earnings for the Kodiak Salmon Purse Seine Fishery by ADF&G Salmon District, 1975 to 2018

Year	Afoognak		Northeast		Eastside		Alitak		Southwest		Northwest		Mainland		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	85	\$1,182,011	72	\$1,429,734	89	\$2,731,813	42	\$1,543,868	22	\$287,376	216	\$10,528,282	79	\$2,350,073	288	\$20,053,156
1976	89	\$2,313,850	101	\$4,402,485	179	\$19,971,562	119	\$9,381,652	118	\$15,198,614	239	\$16,167,499	126	\$5,545,391	344	\$72,981,052
1977	95	\$2,020,936	71	\$1,650,064	218	\$20,852,046	73	\$6,877,549	134	\$3,889,429	206	\$14,661,070	144	\$15,404,495	336	\$65,355,590
1978	175	\$6,046,883	81	\$1,555,973	210	\$21,374,883	166	\$21,465,206	214	\$26,106,992	240	\$12,504,482	159	\$12,216,318	372	\$101,270,737
1979	173	\$5,098,946	84	\$2,261,391	233	\$21,166,053	125	\$12,026,873	83	\$1,332,380	278	\$17,296,571	154	\$5,000,274	362	\$64,182,487
1980	152	\$6,591,173	72	\$1,520,495	161	\$9,953,776	84	\$6,893,277	214	\$30,766,013	237	\$8,498,798	89	\$6,093,771	370	\$70,317,303
1981	185	\$9,183,721	82	\$2,411,183	166	\$18,451,923	86	\$10,433,306	120	\$3,919,371	243	\$12,565,898	150	\$14,748,173	325	\$71,713,574
1982	184	\$4,698,785	82	\$1,247,207	110	\$3,763,755	100	\$2,540,197	177	\$9,991,263	220	\$5,004,353	188	\$8,043,434	345	\$35,288,994
1983	180	\$1,758,630	73	\$524,939	195	\$3,728,949	150	\$5,876,379	121	\$720,981	255	\$5,313,615	181	\$8,150,012	342	\$26,073,504
1984	152	\$3,358,540	40	\$573,546	93	\$1,952,261	69	\$3,108,552	213	\$21,718,898	221	\$8,650,557	185	\$11,830,374	296	\$51,192,727
1985	192	\$8,602,821	57	\$608,841	73	\$879,926	118	\$6,001,490	207	\$10,040,007	205	\$5,642,819	169	\$4,632,891	270	\$36,408,795
1986	119	\$3,336,424	27	\$238,840	66	\$1,590,826	144	\$11,785,653	225	\$18,002,867	234	\$17,277,577	135	\$8,718,423	287	\$60,950,610
1987	184	\$7,262,354	83	\$1,216,332	102	\$4,116,107	147	\$7,777,769	191	\$6,501,114	227	\$10,375,972	201	\$15,142,829	297	\$52,392,477
1988	237	\$33,212,927	90	\$4,075,247	96	\$17,524,171	121	\$16,864,300	208	\$18,736,896	272	\$50,129,382	167	\$32,506,921	323	\$173,049,843
1989	0	\$0	0	\$0	0	\$0	1	\$46,591	3	\$67,667	0	\$0	0	\$0	4	\$114,258
1990	219	\$7,169,992	18	\$93,546	77	\$3,051,976	156	\$10,855,099	285	\$35,863,934	283	\$11,346,412	175	\$8,694,609	354	\$77,075,568
1991	161	\$3,067,608	50	\$427,980	185	\$7,708,493	185	\$9,410,948	279	\$15,182,938	257	\$7,395,759	172	\$6,536,942	348	\$49,730,667
1992	218	\$4,518,225	56	\$1,040,657	199	\$11,634,145	140	\$3,808,018	287	\$18,089,575	286	\$8,326,582	208	\$11,574,182	335	\$58,991,383
1993	242	\$15,395,454	39	\$422,055	177	\$7,687,338	115	\$6,797,953	228	\$6,741,470	258	\$10,364,423	150	\$6,039,605	324	\$53,448,297
1994	199	\$5,478,223	35	\$210,931	127	\$2,510,047	111	\$6,258,014	154	\$3,746,059	235	\$8,681,624	140	\$5,732,611	285	\$32,617,509
1995	212	\$11,143,307	80	\$1,058,939	168	\$9,881,461	149	\$15,166,929	202	\$11,965,784	243	\$16,697,915	149	\$3,881,291	312	\$69,795,627
1996	157	\$3,600,308	7	\$15,390	89	\$1,073,072	138	\$5,772,752	199	\$10,643,168	194	\$4,124,568	152	\$4,461,621	261	\$29,690,880
1997	182	\$4,473,033	40	\$251,311	100	\$2,306,498	91	\$3,124,582	163	\$3,607,503	199	\$6,639,720	118	\$2,031,515	261	\$22,434,161
1998	144	\$8,458,890	17	\$150,177	63	\$1,480,907	71	\$4,978,538	166	\$15,613,716	166	\$8,124,580	49	\$1,089,980	217	\$39,896,789
1999	146	\$6,060,993	32	\$221,871	96	\$3,224,022	50	\$2,577,308	181	\$9,379,698	176	\$7,963,315	130	\$6,703,114	220	\$36,130,321
2000	175	\$5,928,407	12	\$114,769	119	\$2,233,423	58	\$2,025,724	165	\$4,306,503	185	\$5,946,734	135	\$3,817,692	223	\$24,373,252
2001	152	\$10,195,466	12	\$53,413	74	\$1,658,453	34	\$1,936,436	138	\$4,176,537	133	\$3,213,850	90	\$2,952,552	182	\$24,186,708
2002	117	\$4,765,105	20	\$123,045	57	\$1,213,418	13	\$582,053	77	\$1,442,562	128	\$5,426,706	75	\$1,396,876	149	\$14,949,765
2003	109	\$5,508,257	12	\$56,051	46	\$1,350,874	22	\$759,477	82	\$2,679,242	130	\$6,547,371	82	\$1,204,704	143	\$18,105,976
2004	106	\$4,374,623	21	\$164,994	48	\$938,216	32	\$2,456,676	87	\$5,595,766	118	\$6,558,296	53	\$1,557,357	140	\$21,645,927
2005	102	\$7,645,883	10	\$28,523	63	\$3,705,966	40	\$3,683,738	58	\$1,507,089	109	\$4,365,262	77	\$3,804,921	135	\$24,741,382
2006	96	\$4,661,413	25	\$276,605	57	\$3,940,799	24	\$2,174,604	69	\$3,782,079	117	\$13,777,384	55	\$2,396,420	130	\$31,009,305
2007	114	\$9,890,691	24	\$373,716	64	\$6,168,513	16	\$621,079	74	\$5,965,052	115	\$4,882,455	54	\$1,597,626	140	\$29,499,132
2008	108	\$5,421,591	10	\$100,790	60	\$3,839,763	41	\$3,462,204	65	\$3,324,846	102	\$6,149,810	29	\$2,594,262	128	\$24,893,266
2009	133	\$11,892,032	55	\$1,434,295	97	\$7,642,091	50	\$5,795,190	30	\$673,444	113	\$5,080,609	34	\$2,543,291	157	\$35,060,952
2010	143	\$9,067,520	8	\$28,621	55	\$2,256,885	27	\$429,323	68	\$3,184,944	125	\$4,503,884	73	\$3,430,217	154	\$22,901,394
2011	122	\$6,672,252	72	\$1,828,823	144	\$17,776,626	73	\$9,550,658	60	\$2,163,914	103	\$2,637,373	90	\$8,046,570	174	\$48,676,217
2012	133	\$11,890,987	21	\$378,451	88	\$3,658,490	57	\$4,238,130	86	\$6,385,061	138	\$13,614,215	67	\$4,302,229	166	\$44,467,562
2013	140	\$19,910,847	50	\$1,313,283	115	\$12,590,770	62	\$4,840,297	89	\$6,759,577	125	\$8,250,660	81	\$6,286,985	167	\$59,952,419
2014	163	\$12,337,045	13	\$73,151	84	\$1,886,031	48	\$1,849,565	123	\$12,170,224	155	\$6,042,314	72	\$2,835,833	184	\$37,194,162
2015	130	\$4,942,187	49	\$772,075	86	\$4,849,424	51	\$5,170,226	117	\$6,267,104	151	\$8,986,359	41	\$2,043,939	180	\$33,031,315
2016	119	\$3,270,779	5	\$10,701	66	\$1,508,356	38	\$1,079,729	94	\$2,913,515	141	\$3,890,809	77	\$3,884,013	165	\$16,557,902
2017	101	\$3,606,237	6	\$19,965	96	\$9,661,442	44	\$5,924,329	84	\$8,284,234	142	\$23,145,972	94	\$6,206,644	163	\$56,848,822
2018	124	\$7,111,738	1	\$774	56	\$864,546	50	\$1,913,315	96	\$7,030,725	126	\$5,112,233	17	\$271,167	151	\$22,304,497

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

Kodiak Salmon Beach Seine Fishery

S02K Permit Holdings

License limitation permits for the Kodiak salmon beach seine fishery (S02K 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 36 S02K permits. Of this total, Alaska Locals received 86.1% (31/36) of the permits, Nonlocal Alaskans received 8.3% (3/36) of the permits, and the remaining 5.6% (2/36) of the permits went to Nonresidents. Four of the 36 permits issued were non-transferable permits. By 2004, all non-transferable permits had been cancelled.

Table 16. Initial Issuance and Year-end 2018 Totals of Kodiak Salmon Beach Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 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>Percent</i>
Local	31	86.1%	-5	-16.1%	-6	-19.4%	-3	-9.7%	17	56.7%
Nonlocal	3	8.3%	-1	-33.3%	4	133.3%	0	0.0%	6	20.0%
Nonresident	2	5.6%	6	300.0%	2	100.0%	-3	-150.0%	7	23.3%
Total	36	100.0%	N/A	N/A	N/A	N/A	-6	-16.7%	30	100.0%

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

Transfers of S02K Permits

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

Table 17. Transfer Acquisition Methods for Kodiak Salmon Beach Seine Permits, 1980-2018

Acquisition Method	Kodiak Salmon Beach Seine		Combined Kodiak		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
Gift	38	33.0%	1,020	46.5%	14,202	36.7%
Sale	72	62.6%	1,051	47.9%	22,761	58.8%
Trade	4	3.5%	28	1.3%	523	1.4%
Other	1	0.9%	93	4.2%	1,238	3.2%
Total	115	100%	2,192	100%	38,724	100%

Table 17 presents transfer acquisition methods for the S02K permits, all three Kodiak salmon permit types combined, and all limited entry permits between 1980 and 2018. Over half of all S02K transfers were sales (62.6% or 72/115), about one third are gifts (33.0% or 38/115), and a smaller percentage were trades (3.5% or 4/115) or other (0.9% 1/115). The annual acquisition methods for the limited S02K permits have not changed substantially throughout the time period.⁶

Table 18. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Beach Seine Permits, 1980-2018

Relationship	Kodiak Salmon Beach Seine		Combined Kodiak		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	34	29.6%	539	24.6%	7,169	18.5%
Member of Immediate Family	30	26.1%	778	35.5%	13,096	33.8%
Other Relative	4	3.5%	133	6.1%	1,769	4.6%
Other	47	40.9%	742	33.9%	16,690	43.1%
Total	115	100%	2,192	100%	38,724	100%

Table 18 shows the relationships between the transferors and transfer recipients for S02K permits, all three Kodiak salmon permit types combined, and all limited entry permits from 1980 to 2018. Transfers within the family, both between immediate family members and other relatives, total 30.0% (34/115) of all permit transfers for S02K permits compared to 41.6% (911/2,192) for all three Kodiak salmon permit types combined, and 38.4% (14,865/38,724) for all limited entry permits statewide.

⁵ CFEC implemented the transfer survey in 1980.

⁶ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2018*, CFEC Report No. 16-3N.

S02K 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 Kodiak Salmon Beach Seine Permits

Year	S02K Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1982	2	-	-	-	-
1983	3	\$50,000	-	\$126,058	-
1984	2	-	-	-	-
1985	4	-	-	-	-
1986	2	-	-	-	-
1987	5	\$25,096	-	\$55,473	-
1988	5	\$28,400	-	\$60,283	-
1989	6	\$34,833	-	\$70,539	-
1990	3	\$46,000	-	\$88,377	-
1991	2	\$41,000	\$15,000	\$75,590	\$27,655
1992	1	\$39,000	\$17,650	\$69,802	\$31,590
1993	0	\$39,000	\$17,650	\$67,773	\$30,672
1994	2	\$20,300	\$7,150	\$34,396	\$12,115
1995	1	\$18,000	\$3,550	\$29,658	\$5,849
1996	1	\$16,400	\$3,800	\$26,247	\$6,082
1997	0	\$16,400	\$3,800	\$25,658	\$5,945
1998	0	\$16,400	\$3,800	\$25,265	\$5,854
1999	0	\$16,400	\$3,800	\$24,719	\$5,728
2000	0	\$16,400	\$3,800	\$23,915	\$5,541
2001	0	\$16,400	\$3,800	\$23,253	\$5,388
2002	0	\$16,400	\$3,800	\$22,891	\$5,304
2003	0	\$16,400	\$3,800	\$22,381	\$5,186
2004	0	\$16,400	\$3,800	\$21,801	\$5,051
2005	1	\$14,100	\$7,400	\$18,129	\$9,515
2006	1	\$10,500	\$8,400	\$13,078	\$10,463
2007	1	\$6,100	\$4,900	\$7,388	\$5,934
2008	1	\$3,500	\$400	\$4,082	\$467
2009	1	\$3,500	\$400	\$4,097	\$468
2010	0	\$3,500	\$400	\$4,030	\$461
2011	5	\$7,000	\$2,850	\$7,814	\$3,182
2012	1	\$7,500	\$3,000	\$8,203	\$3,281
2013	1	\$6,800	\$3,750	\$7,330	\$4,042
2014	2	\$4,500	\$1,300	\$4,773	\$1,379
2015	0	\$4,500	\$1,300	\$4,768	\$1,377
2016	1	\$4,900	\$1,300	\$5,127	\$1,360
2017	0	\$4,900	\$1,300	\$5,020	\$1,332
2018	1	\$6,300	\$1,550	\$6,300	\$1,550

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Emergency Transfers of S02K Permits

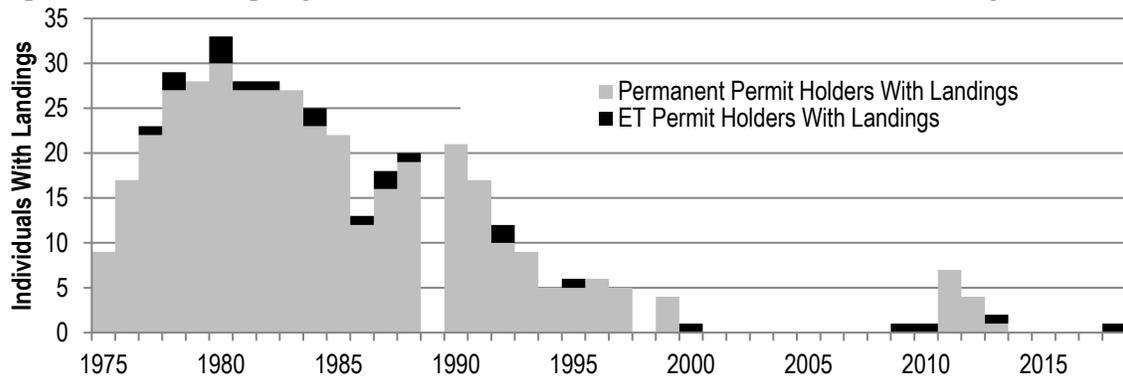
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

Table 20 and Figure 5 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year. Note that only 1 to 3 ET permit holders made landings in any given year when they were used.

Table 20. Use of Emergency Transfer Permits in the Kodiak Beach seine fishery, 1975-2018

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate	Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	9	0	0.0%	1990	21	0	0.0%	2005	0	0	-
1976	17	0	0.0%	1991	17	0	0.0%	2006	1	0	0.0%
1977	25	1	4.0%	1992	13	2	15.4%	2007	3	0	0.0%
1978	30	2	6.7%	1993	9	0	0.0%	2008	0	0	-
1979	28	0	0.0%	1994	5	0	0.0%	2009	1	1	100.0%
1980	33	3	9.1%	1995	8	1	12.5%	2010	2	1	50.0%
1981	30	1	3.3%	1996	6	0	0.0%	2011	7	0	0.0%
1982	30	1	3.3%	1997	5	0	0.0%	2012	4	0	0.0%
1983	27	0	0.0%	1998	2	0	0.0%	2013	4	1	25.0%
1984	26	2	7.7%	1999	4	0	0.0%	2014	3	0	0.0%
1985	22	0	0.0%	2000	2	1	50.0%	2015	1	0	0.0%
1986	15	1	6.7%	2001	0	0	-	2016	3	0	0.0%
1987	19	2	10.5%	2002	0	0	-	2017	3	0	0.0%
1988	22	1	4.5%	2003	0	0	-	2018	2	1	50.0%
1989	1	0	0.0%	2004	0	0	-				

Figure 4. Use of Emergency Transfer Permits in the Kodiak Salmon Beach Seine Fishery, 1975-2018



Latent S02K 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 S02K 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.

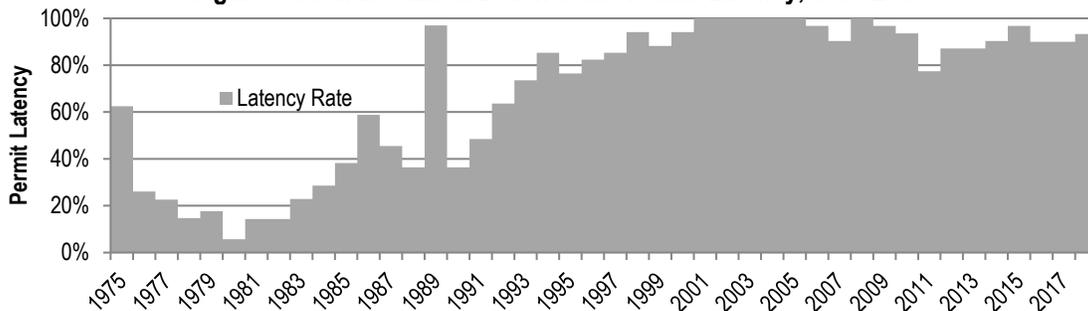
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 21. Kodiak Salmon Beach Seine Permit Latency, 1975-2018

Year	Permits		Latency Rate	Year	Permits		Latency Rate	Year	Permits		Latency Rate
	Issued	Fished			Issued	Fished			Issued	Fished	
1975	24	9	62.5%	1990	33	21	36.4%	2005	31	0	100.0%
1976	23	17	26.1%	1991	33	17	48.5%	2006	31	1	96.8%
1977	31	24	22.6%	1992	33	12	63.6%	2007	31	3	90.3%
1978	34	29	14.7%	1993	34	9	73.5%	2008	31	0	100.0%
1979	34	28	17.6%	1994	34	5	85.3%	2009	31	1	96.8%
1980	35	33	5.7%	1995	34	8	76.5%	2010	31	2	93.5%
1981	35	30	14.3%	1996	34	6	82.4%	2011	31	7	77.4%
1982	35	30	14.3%	1997	34	5	85.3%	2012	31	4	87.1%
1983	35	27	22.9%	1998	34	2	94.1%	2013	31	4	87.1%
1984	35	25	28.6%	1999	34	4	88.2%	2014	31	3	90.3%
1985	34	21	38.2%	2000	34	2	94.1%	2015	31	1	96.8%
1986	34	14	58.8%	2001	34	0	100.0%	2016	30	3	90.0%
1987	33	18	45.5%	2002	34	0	100.0%	2017	30	3	90.0%
1988	33	21	36.4%	2003	33	0	100.0%	2018	30	2	93.3%
1989	33	1	97.0%	2004	32	0	100.0%				

- When an individual with an interim-entry permit is issued a permanent permit in the same year, only the permanent permit is counted in the above table.
- 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 5. Kodiak Salmon Beach Seine Permit Latency, 1975-2018



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

New Entrants into the Kodiak Salmon Beach seine Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S02K permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

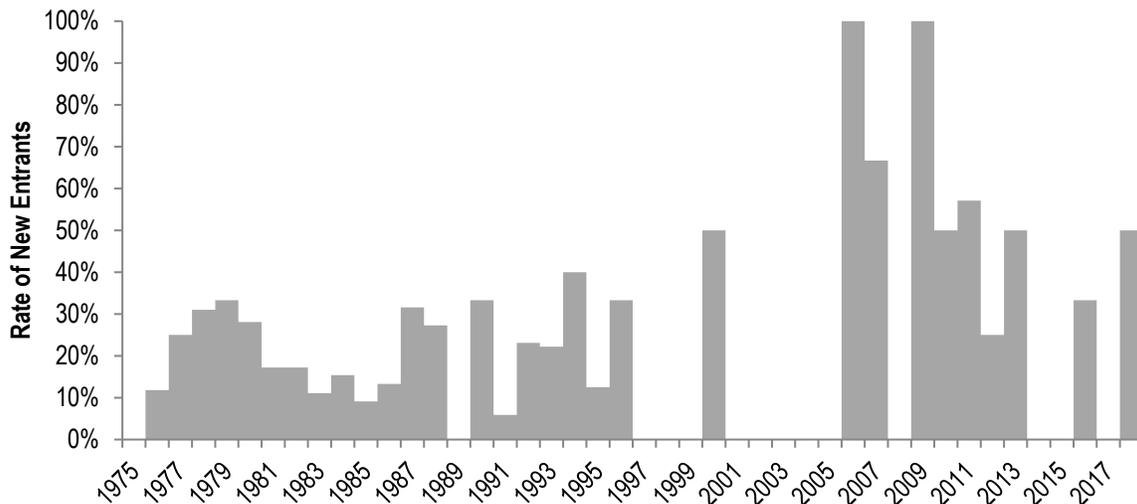
Table 22 and Figure 7 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S02K permit one year, and then in subsequent years hold a different S02K permit. Likewise, individuals may enter and exit 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. When fewer than four individuals make landings, values are masked due to confidentiality.

Table 22. New Entrants into the Kodiak Salmon Beach Seine Fishery, 1975-2018

Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants	
		Count	Percent												
1975	9	0	0.0%	1986	15	2	13.3%	1997	5	0	0.0%	2008	0	0	0%
1976	17	2	11.8%	1987	19	6	31.6%	1998	2	0	0.0%	2009	1	1	100.0%
1977	24	6	25.0%	1988	22	6	27.3%	1999	4	0	0.0%	2010	2	1	50.0%
1978	29	9	31.0%	1989	1	0	0.0%	2000	2	1	50.0%	2011	7	4	57.1%
1979	27	9	33.3%	1990	21	7	33.3%	2001	0	0	.	2012	4	1	25.0%
1980	32	9	28.1%	1991	17	1	5.9%	2002	0	0	.	2013	4	2	50.0%
1981	29	5	17.2%	1992	13	3	23.1%	2003	0	0	.	2014	3	0	0.0%
1982	29	5	17.2%	1993	9	2	22.2%	2004	0	0	.	2015	1	0	0.0%
1983	27	3	11.1%	1994	5	2	40.0%	2005	0	0	.	2016	3	1	33.3%
1984	26	4	15.4%	1995	8	1	12.5%	2006	1	1	100.0%	2017	3	0	0.0%
1985	22	2	9.1%	1996	6	2	33.3%	2007	3	2	66.7%	2018	2	1	50.0%

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

Figure 6. New Entrants into the Kodiak Salmon Beach Seine Fishery, 1975-2018



Age of S02K Permit Holders

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

Year	S02K	Combined Kodiak	Statewide All Permits	Mean AK Worker Age
1980	37.3	39.4	38.9	33.4
1981	36.8	39.7	39.9	33.5
1982	38.4	39.9	40.0	33.6
1983	38.2	40.0	40.2	33.7
1984	38.8	40.5	40.4	33.8
1985	39.3	40.9	40.8	34.0
1986	39.4	40.6	41.0	34.2
1987	40.1	40.2	40.9	34.5
1988	40.0	40.5	41.2	34.9
1989	40.9	40.8	41.5	35.3
1990	40.8	41.4	42.0	35.5
1991	40.6	41.6	42.5	35.9
1992	40.2	41.8	42.9	36.2
1993	41.8	42.4	43.5	36.5
1994	43.3	43.1	44.0	36.7
1995	45.0	43.6	44.4	37.0
1996	45.0	44.0	44.8	37.2
1997	45.9	44.2	45.1	37.4
1998	46.9	44.7	45.6	37.6
1999	47.4	44.9	46.0	37.8
2000	48.5	45.5	46.4	37.9
2001	49.5	46.3	46.9	38.1
2002	50.5	47.1	47.4	38.3
2003	52.3	47.9	47.9	38.4
2004	52.7	48.5	48.2	38.6
2005	53.4	48.8	48.4	38.7
2006	52.7	48.6	48.7	38.8
2007	52.3	49.1	48.9	38.9
2008	52.8	49.3	49.0	39.0
2009	52.4	49.9	49.3	39.1
2010	53.8	50.6	49.5	39.2
2011	50.8	49.9	49.6	39.4
2012	53.0	50.7	49.8	39.4
2013	53.7	50.8	50.0	39.5
2014	53.6	50.7	50.2	39.5
2015	54.2	51.1	50.6	39.5
2016	55.2	51.6	50.9	39.6
2017	55.9	52.4	51.3	39.6
2018	56.0	52.5	51.7	39.6

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

Table 23 shows the annual mean age of four different cohorts of people: 1) Kodiak salmon beach seine (S02K) permit holders; 2) all three (S01K, S02K, and S04K) Kodiak salmon permit holders; 3) all CFEC limited entry permit holders; and 4) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; this includes the four non-transferable S02K permits issued. Some individuals hold permits in more than one fishery; in these cases, the age of the permit holder is counted once for each permit that he or she holds.

The mean age of the general Alaskan population has increased 6.2 years between 1975 and 2018, which represents a 18.6% increase. The percent change in ages over the same period for all CFEC permit holders increased by 32.9% (12.8 years), and 33.2% (13.1 years) for the combined Kodiak salmon permit holders.

For S02K permit holders, the mean age increased 50.1% (18.7 years).

Kodiak Salmon Beach Seine Vessel Characteristics

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

Table 24. Kodiak Salmon Beach Seine Vessel Characteristics

Year	Total Vessel Count	Age				Length				Horsepower				Hold Capacity			
		Total Count	25%	Median	75%	Total Count	25%	Median	75%	Total Count	25%	Median	75%	Total Count	25%	Median	75%
1978	31	28	2	5	14	28	16	19	24	26	40	50	90	10	72	255	600
1979	31	26	2	4	8	26	16	19	24	23	40	50	96	6	32	61	360
1980	40	30	2	4	7	31	17	19	27	27	40	50	106	8	31	205	500
1981	37	28	2	4	8	30	16	21	27	28	40	50	93	7	30	40	500
1982	36	29	2	5	8	30	19	21	24	28	40	53	88	9	40	50	240
1983	28	24	4	7	9	24	20	24	28	23	40	55	135	10	40	160	360
1984	28	19	3	8	10	19	19	22	28	19	40	70	106	8	45	160	480
1985	24	21	4	9	11	21	18	22	28	20	40	55	98	8	55	230	480
1986	17	13	5	8	12	13	18	20	23	13	35	50	65	6	30	65	100
1987	19	19	6	12	20	19	18	21	28	19	40	65	135	8	55	150	600
1988	23	18	5	8	14	18	18	20	22	18	35	50	70	6	30	70	100
1989	1	1	15	15	15	1	16	16	16	1	50	50	50	0	0	0	0
1990	22	21	6	10	11	21	20	22	23	21	40	55	85	6	30	135	365
1991	18	15	8	11	17	16	20	23	24	16	55	78	120	6	50	195	360
1992	13	11	8	11	18	11	20	22	24	11	55	85	140	5	90	200	550
1993	9	8	8	12	17	8	20	22	24	8	45	55	68	2	90	195	300
1994	5	5	11	14	22	5	22	22	25	4	48	83	135	3	90	300	325
1995	8	8	7	13	19	8	18	22	31	7	50	90	160	4	195	313	963
1996	6	6	13	14	24	6	20	22	22	5	40	55	75	3	90	250	325
1997	5	5	14	14	16	5	22	22	23	5	55	90	110	2	90	208	325
1998	2	2	15	21	26	2	22	22	22	2	40	48	55	1	90	90	90
1999	4	4	16	18	24	4	22	22	23	4	40	48	68	1	90	90	90
2000	2	2	17	20	22	2	22	22	22	1	55	55	55	1	90	90	90
2001	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2002	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2003	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2004	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2005	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2006	1	1	N/A	N/A	N/A	1	40	40	40	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2007	4	3	25	25	31	3	20	30	32	3	10	115	230	2	128	189	250
2008	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A
2009	2	1	5	5	5	1	20	20	20	1	40	40	40	0	0	0	0
2010	3	2	6	13	20	2	20	38	56	2	40	270	500	1	900	900	900
2011	6	6	26	31	39	6	20	25	35	4	70	108	183	3	250	500	5,000
2012	5	5	30	35	40	5	27	28	32	5	100	130	225	3	70	500	3,600
2013	4	4	25	36	41	4	26	30	34	3	100	200	300	2	70	295	520
2014	4	3	32	42	42	3	27	32	35	2	130	215	300	1	70	70	70
2015	1	1	33	33	33	1	32	32	32	1	300	300	300	1	70	70	70
2016	3	3	33	44	68	3	16	35	48	1	115	115	115	0	0	0	0
2017	3	3	35	45	69	3	32	35	48	2	180	240	300	1	70	70	70
2018	2	2	2	19	36	2	32	34	35	2	115	208	300	2	70	1,035	2,000

Kodiak Salmon Beach Seine (S02K)

Table 25 provides additional Kodiak salmon beach seine vessel characteristics. Included are statistics of engine power type and hull material for each year since 1978.

Table 25. Additional Kodiak Salmon Beach Seine Vessel Characteristics

Year	Total Vessel Count	Engine Fuel						Hull Material							
		Total Count	Diesel		Gas		Total Count	Aluminum		Fiberglass		Steel		Wood	
			Count	Percent	Count	Percent		Count	Percent	Count	Percent	Count	Percent	Count	Percent
1978	31	29	5	17.2%	24	82.8%	30	3	10.0%	9	30.0%	0	0%	18	60.0%
1979	31	25	4	16.0%	21	84.0%	27	7	25.9%	7	25.9%	0	0%	13	48.1%
1980	40	29	5	17.2%	24	82.8%	31	8	25.8%	9	29.0%	0	0%	14	45.2%
1981	37	29	6	20.7%	23	79.3%	30	9	30.0%	7	23.3%	0	0%	14	46.7%
1982	36	28	3	10.7%	25	89.3%	30	12	40.0%	7	23.3%	1	3.3%	10	33.3%
1983	28	23	5	21.7%	18	78.3%	24	9	37.5%	6	25.0%	2	8.3%	7	29.2%
1984	28	18	4	22.2%	14	77.8%	19	8	42.1%	3	15.8%	1	5.3%	7	36.8%
1985	24	20	4	20.0%	16	80.0%	21	8	38.1%	4	19.0%	1	4.8%	8	38.1%
1986	17	13	0	0%	13	100.0%	13	3	23.1%	0	0%	0	0%	10	76.9%
1987	19	19	3	15.8%	16	84.2%	19	4	21.1%	2	10.5%	0	0%	13	68.4%
1988	23	18	0	0%	18	100.0%	18	8	44.4%	1	5.6%	0	0%	9	50.0%
1989	1	1	0	0%	1	100.0%	1	0	0.0%	0	0%	0	0%	1	100.0%
1990	22	21	2	9.5%	19	90.5%	21	13	61.9%	3	14.3%	0	0%	5	23.8%
1991	18	16	2	12.5%	14	87.5%	15	9	60.0%	1	6.7%	0	0%	5	33.3%
1992	13	11	2	18.2%	9	81.8%	11	6	54.5%	1	9.1%	0	0%	4	36.4%
1993	9	8	0	0%	8	100.0%	8	5	62.5%	0	0%	0	0%	3	37.5%
1994	5	5	1	20.0%	4	80.0%	5	2	40.0%	0	0%	0	0%	3	60.0%
1995	8	8	2	25.0%	6	75.0%	8	4	50.0%	1	12.5%	0	0%	3	37.5%
1996	6	5	1	20.0%	4	80.0%	6	3	50.0%	0	0%	0	0%	3	50.0%
1997	5	5	1	20.0%	4	80.0%	5	3	60.0%	0	0%	0	0%	2	40.0%
1998	2	2	0	0%	2	100.0%	2	0	0.0%	0	0%	0	0%	2	100.0%
1999	4	4	0	0%	4	100.0%	4	2	50.0%	0	0%	0	0%	2	50.0%
2000	2	2	0	0%	2	100.0%	2	1	50.0%	0	0%	0	0%	1	50.0%
2001	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2002	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2003	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2004	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2005	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2006	1	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2007	4	3	1	33.3%	2	66.7%	3	1	33.3%	2	66.7%	0	0%	0	0%
2008	0	0	0	0%	0	0%	0	0	0%	0	0%	0	0%	0	0%
2009	2	1	0	0%	1	100.0%	1	0	0%	1	100.0%	0	0%	0	0%
2010	3	2	1	50.0%	1	50.0%	2	0	0.0%	2	100.0%	0	0%	0	0%
2011	6	6	2	33.3%	4	66.7%	6	3	50.0%	1	16.7%	0	0%	2	33.3%
2012	5	5	3	60.0%	2	40.0%	5	3	60.0%	1	20.0%	0	0%	1	20.0%
2013	4	4	3	75.0%	1	25.0%	4	2	50.0%	1	25.0%	0	0%	1	25.0%
2014	4	3	3	100.0%	0	0%	3	1	33.3%	1	33.3%	0	0%	1	33.3%
2015	1	1	1	100.0%	0	0%	1	1	100.0%	0	0%	0	0%	0	0%
2016	3	3	2	66.7%	1	33.3%	3	1	33.3%	0	0%	0	0%	2	66.7%
2017	3	3	3	100.0%	0	0%	3	1	33.3%	0	0%	0	0%	2	66.7%
2018	2	2	1	50.0%	1	50.0%	2	1	50.0%	1	50.0%	0	0%	0	0%

Participation and Earnings

Table 26 reports the number of permits, permit issued, and vessels with landings, and estimated gross earnings in the Kodiak salmon beach seine fishery from 1975 to 2018. Note that the figures by permit or vessel in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

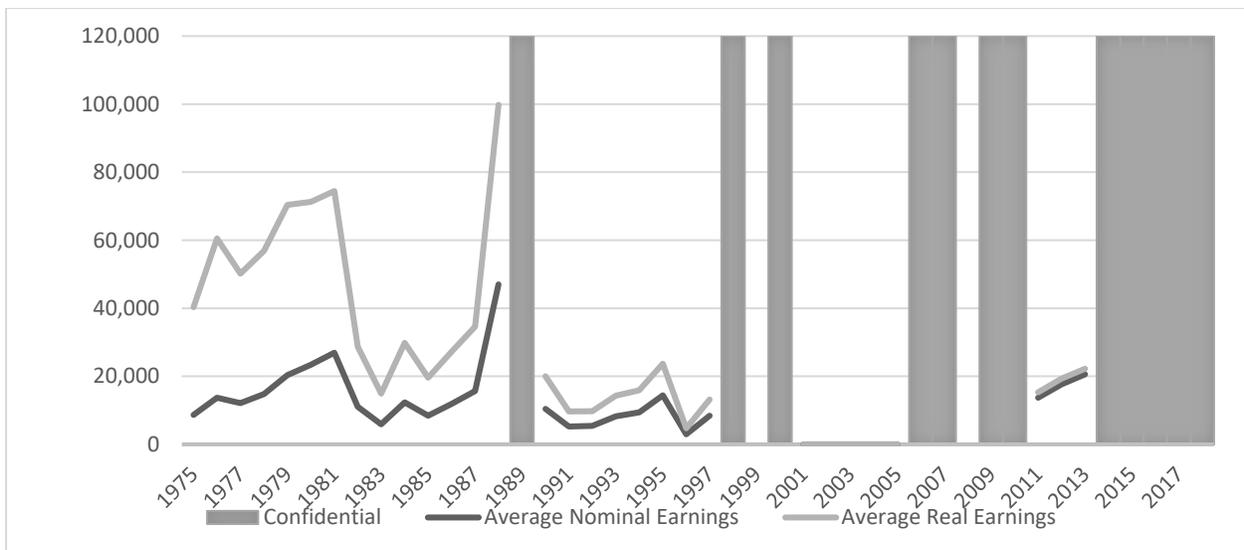
Table 27 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

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

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 8 for both nominal and real dollars using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 1983. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted.

Figure 7. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Beach Seine Permit



- Real earnings are adjusted for inflation using the 2018 U.S. Bureau of Labor Statistics Consumer Price Index.
- Values are masked for confidentiality when only 1 to 3 individuals participated in the fishery.

Table 26. Estimated Total Gross Earnings (Real and Nominal) for the Kodiak Salmon Beach Seine Fishery, With Average Gross (Real) Earnings by Permit and Vessel, 1975-2018

Year	Permits Issued	Total Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	24	\$77,715	\$362,730	9	\$40,303	10	\$36,273
1976	23	\$233,139	\$1,028,872	17	\$60,522	18	\$57,160
1977	31	\$290,572	\$1,204,038	24	\$50,168	25	\$48,162
1978	34	\$428,377	\$1,649,824	29	\$56,890	31	\$53,220
1979	34	\$569,747	\$1,970,626	28	\$70,380	31	\$63,569
1980	35	\$771,721	\$2,351,754	33	\$71,265	40	\$58,794
1981	35	\$808,386	\$2,233,129	30	\$74,438	37	\$60,355
1982	35	\$331,154	\$861,710	30	\$28,724	36	\$23,936
1983	35	\$159,783	\$402,838	27	\$14,920	28	\$14,387
1984	35	\$308,513	\$745,618	25	\$29,825	28	\$26,629
1985	34	\$176,498	\$411,896	21	\$19,614	24	\$17,162
1986	34	\$166,303	\$381,021	14	\$27,216	17	\$22,413
1987	33	\$281,953	\$623,242	18	\$34,625	19	\$32,802
1988	33	\$987,351	\$2,095,780	21	\$99,799	23	\$91,121
1989	33	confidential	confidential	1 to 3	confidential	1 to 3	confidential
1990	33	\$218,900	\$420,560	21	\$20,027	22	\$19,116
1991	33	\$89,363	\$164,756	17	\$9,692	18	\$9,153
1992	33	\$65,237	\$116,760	12	\$9,730	13	\$8,982
1993	34	\$74,073	\$128,721	9	\$14,302	9	\$14,302
1994	34	\$46,961	\$79,570	5	\$15,914	5	\$15,914
1995	34	\$115,100	\$189,648	8	\$23,706	8	\$23,706
1996	34	\$17,723	\$28,365	6	\$4,727	6	\$4,727
1997	34	\$42,093	\$65,856	5	\$13,171	5	\$13,171
1998	34	confidential	confidential	1 to 3	confidential	1 to 3	confidential
1999	34	\$29,367	\$44,263	4	\$11,066	4	\$11,066
2000	34	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2001	34	0	0	0	0	0	0
2002	34	0	0	0	0	0	0
2003	33	0	0	0	0	0	0
2004	32	0	0	0	0	0	0
2005	31	0	0	0	0	0	0
2006	31	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2007	31	confidential	confidential	1 to 3	confidential	4	\$3,348
2008	31	0	0	0	0	0	0
2009	31	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2010	31	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2011	31	\$95,959	\$107,122	7	\$15,303	6	\$17,854
2012	31	\$70,574	\$77,187	4	\$19,297	5	\$15,437
2013	31	\$82,402	\$88,822	4	\$22,205	4	\$22,205
2014	31	confidential	confidential	1 to 3	confidential	4	\$19,117
2015	31	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2016	30	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2017	30	confidential	confidential	1 to 3	confidential	1 to 3	confidential
2018	30	confidential	confidential	1 to 3	confidential	1 to 3	confidential

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Table 27. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Beach Seine Fishery by Resident Type, 1975-2018

Year	Local			Nonlocal			Nonresident			Total		
	People	Gross Earnings		People	Gross Earnings		People	Gross Earnings		People	Gross Earnings	
		Average	Total		Average	Total		Average	Total		Average	Total
1975	confidential	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	9	\$40,303	\$362,730
1976	confidential	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	17	\$60,522	\$1,028,872
1977	19	\$56,007	\$1,064,128	1 - 3	confidential	confidential	1 - 3	confidential	confidential	25	\$48,162	\$1,204,038
1978	26	\$58,954	\$1,532,791	1 - 3	confidential	confidential	1 - 3	confidential	confidential	30	\$54,994	\$1,649,824
1979	24	\$77,060	\$1,849,448	1 - 3	confidential	confidential	1 - 3	confidential	confidential	28	\$70,380	\$1,970,626
1980	27	\$70,100	\$1,892,706	confidential	confidential	confidential	1 - 3	confidential	confidential	33	\$71,265	\$2,351,754
1981	25	\$77,307	\$1,932,665	confidential	confidential	confidential	1 - 3	confidential	confidential	30	\$74,438	\$2,233,129
1982	24	\$31,515	\$756,369	confidential	confidential	confidential	1 - 3	confidential	confidential	30	\$28,724	\$861,710
1983	23	\$14,338	\$329,774	1 - 3	confidential	confidential	1 - 3	confidential	confidential	27	\$14,920	\$402,838
1984	21	\$30,777	\$646,307	1 - 3	confidential	confidential	1 - 3	confidential	confidential	26	\$28,678	\$745,618
1985	19	\$19,519	\$370,858	1 - 3	confidential	confidential	1 - 3	confidential	confidential	22	\$18,723	\$411,896
1986	10	\$28,561	\$285,608	confidential	confidential	confidential	1 - 3	confidential	confidential	15	\$25,401	\$381,021
1987	17	\$32,439	\$551,460	1 - 3	confidential	confidential	1 - 3	confidential	confidential	19	\$32,802	\$623,242
1988	19	\$71,528	\$1,359,023	1 - 3	confidential	confidential	1 - 3	confidential	confidential	22	\$95,263	\$2,095,780
1989	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
1990	17	\$18,189	\$309,210	1 - 3	confidential	confidential	1 - 3	confidential	confidential	21	\$20,027	\$420,560
1991	confidential	confidential	confidential	1 - 3	confidential	confidential	0	\$0	\$0	17	\$9,692	\$164,756
1992	confidential	confidential	confidential	1 - 3	confidential	confidential	0	\$0	\$0	13	\$8,982	\$116,760
1993	confidential	confidential	confidential	1 - 3	confidential	confidential	0	\$0	\$0	9	\$14,302	\$128,721
1994	5	\$15,914	\$79,570	0	\$0	\$0	0	\$0	\$0	5	\$15,914	\$79,570
1995	confidential	confidential	confidential	1 - 3	confidential	confidential	0	\$0	\$0	8	\$23,706	\$189,648
1996	6	\$4,727	\$28,365	0	\$0	\$0	0	\$0	\$0	6	\$4,727	\$28,365
1997	confidential	confidential	confidential	1 - 3	confidential	confidential	0	\$0	\$0	5	\$13,171	\$65,856
1998	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
1999	4	\$11,066	\$44,263	0	\$0	\$0	0	\$0	\$0	4	\$11,066	\$44,263
2000	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2001	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2002	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2003	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2004	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2005	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2006	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential	1 - 3	confidential	confidential
2007	1 - 3	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	1 - 3	confidential	confidential
2008	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2009	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2010	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2011	confidential	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	7	\$15,303	\$107,122
2012	1 - 3	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	4	\$19,297	\$77,187
2013	1 - 3	confidential	confidential	0	\$0	\$0	1 - 3	confidential	confidential	4	\$22,205	\$88,822
2014	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2015	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2016	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2017	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential
2018	1 - 3	confidential	confidential	0	\$0	\$0	0	\$0	\$0	1 - 3	confidential	confidential

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked 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.
- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.

Kodiak Salmon Beach Seine (S02K)

Table 28. Gross Real Earnings for the Kodiak Salmon Beach Seine Fishery by ADF&G Salmon District, 1975 to 2018

Year	Afognak		Northeast		Eastside		Alitak		Southwest		Northwest		Mainland		Total Permits	Total Real Value
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value		
1975	0	\$0	2	confidential	0	\$0	2	confidential	1	confidential	5	\$208,449	0	\$0	9	\$362,730
1976	0	\$0	4	\$95,395	2	confidential	1	confidential	5	\$184,631	9	\$473,794	0	\$0	17	\$1,028,872
1977	6	\$72,279	9	\$190,597	5	\$104,218	2	confidential	7	\$118,689	15	\$666,568	2	confidential	24	\$1,204,038
1978	10	\$209,934	8	\$161,142	7	\$168,262	6	\$293,010	6	\$359,061	15	\$458,416	0	\$0	29	\$1,649,824
1979	8	\$336,921	8	\$113,722	6	\$372,322	11	\$415,348	8	\$159,933	16	\$523,984	1	confidential	28	\$1,970,626
1980	12	\$368,367	6	\$123,367	3	confidential	11	\$660,596	8	\$420,607	15	\$554,147	3	confidential	33	\$2,351,754
1981	10	\$632,736	7	\$213,050	5	\$65,515	8	\$640,507	3	confidential	17	\$598,316	3	confidential	30	\$2,233,129
1982	11	\$352,804	9	\$123,798	4	\$39,990	9	\$111,417	4	\$60,603	14	\$153,087	4	\$20,009	30	\$861,710
1983	7	\$40,569	8	\$52,540	3	confidential	8	\$140,957	3	confidential	13	\$122,439	2	confidential	27	\$402,838
1984	7	\$185,542	5	\$93,330	4	\$48,617	6	\$184,580	4	\$16,685	11	\$186,049	1	confidential	25	\$745,618
1985	9	\$99,249	7	\$28,749	1	confidential	6	\$105,210	2	confidential	12	\$133,048	1	confidential	21	\$411,896
1986	3	confidential	2	confidential	2	confidential	2	confidential	2	confidential	9	\$246,658	1	confidential	14	\$381,021
1987	1	confidential	5	\$161,654	3	confidential	5	\$78,584	5	\$64,228	11	\$203,349	0	\$0	18	\$623,242
1988	3	confidential	5	\$354,422	6	\$239,548	2	confidential	4	\$23,582	15	\$1,048,792	2	confidential	21	\$2,095,780
1989	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	0	\$0	1	confidential
1990	11	\$62,967	6	\$29,495	3	confidential	2	confidential	0	\$0	14	\$228,219	1	confidential	21	\$420,560
1991	5	\$25,198	5	\$38,740	3	confidential	2	confidential	0	\$0	10	\$65,476	0	\$0	17	\$164,756
1992	5	\$36,130	3	confidential	4	\$33,853	1	confidential	2	confidential	4	\$28,541	0	\$0	12	\$116,760
1993	1	confidential	4	\$6,255	1	confidential	1	confidential	0	\$0	5	\$104,486	0	\$0	9	\$128,721
1994	1	confidential	2	confidential	0	\$0	0	\$0	0	\$0	4	\$73,226	0	\$0	5	\$79,570
1995	3	confidential	2	confidential	3	confidential	0	\$0	0	\$0	3	confidential	0	\$0	8	\$189,648
1996	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	5	\$23,079	0	\$0	6	confidential
1997	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	4	\$65,005	0	\$0	5	confidential
1998	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	2	confidential
1999	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	4	\$41,310	0	\$0	4	confidential
2000	2	confidential	0	\$0	0	\$0	0	\$0	0	\$0	2	confidential	0	\$0	2	confidential
2001	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2002	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2003	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2004	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2005	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2006	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential
2007	2	confidential	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	3	confidential
2008	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
2009	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	1	confidential
2010	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	confidential	0	\$0	2	confidential
2011	1	confidential	2	confidential	1	confidential	0	\$0	0	\$0	5	\$69,217	0	\$0	7	\$107,122
2012	1	confidential	1	confidential	0	\$0	0	\$0	0	\$0	3	confidential	0	\$0	4	\$77,187
2013	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	3	confidential	0	\$0	4	\$88,822
2014	1	confidential	0	\$0	0	\$0	0	\$0	0	\$0	2	confidential	0	\$0	3	confidential
2015	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	confidential	0	\$0	1	confidential
2016	1	confidential	1	confidential	0	\$0	0	\$0	0	\$0	3	confidential	0	\$0	3	confidential
2017	1	confidential	0	\$0	1	confidential	0	\$0	0	\$0	3	confidential	0	\$0	3	confidential
2018	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	confidential	0	\$0	2	confidential

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

Kodiak Salmon Set Gillnet Fishery

S04K Permit Holdings

License limitation permits for the Kodiak salmon set gillnet fishery (S04K permits) were issued starting in 1975. Table 29 indicates the initial distribution and historical net changes in permit holdings for the fishery. CFEC has issued 188 S04K permits. Of this total, Alaska Locals received 65.4% (123/188) of the permits, Nonlocal Alaskans received 7.4% (14/188) and Nonresidents received 27.1% (51/188) of the permits. Every permit issued was a transferable permit.

Table 29. Initial Issuance and Year-end 2018 Totals of Kodiak Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

INITIAL ISSUE			TRANSFERS		MIGRATIONS		CANCELLED		2018 YEAR-END	
<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>Percent</i>
Local	123	65.4%	33	26.8%	-56	-45.5%	0	0.0%	100	53.2%
Nonlocal	14	7.4%	1	7.1%	12	85.7%	0	0.0%	27	14.4%
Nonresident	51	27.1%	-34	-66.7%	44	86.3%	0	0.0%	61	32.4%
Total	188	100.0%	N/A	N/A	N/A	N/A	0	0.0%	188	100.0%

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

Transfers of S04K Permits

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

Table 30. Transfer Acquisition Methods for Kodiak Salmon Set Gillnet Permits, 1980-2018

Acquisition Method	Kodiak Salmon Set Gillnet		Combined Kodiak		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	677	67.2%	1,020	46.5%	7,028	56.5%	14,202	36.7%
Sale	269	26.7%	1,051	47.9%	4,849	39.0%	22,761	58.8%
Trade	8	0.8%	28	1.3%	97	0.8%	523	1.4%
Other	53	5.3%	93	4.2%	472	3.8%	1,238	3.2%
Total	1,007	100%	2,192	100%	12,446	100%	38,724	100%

Table 30 presents transfer acquisition methods for S04K permits, all three Kodiak salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2018. The majority of S04K permit transfers were gifts (67.2% or 677/1,007), then sales (26.7% or 269/1,007), and a smaller percentage were trades (0.8% or 8/1007) or other (5.3% or 53/1,007). The annual acquisition methods for limited S04K permits have not changed substantially throughout the time period.⁸

Table 31. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Set Gillnet Permit, 1980-2018

Relationship	Kodiak Salmon Set Gillnet		Combined Kodiak		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	294	29.2%	539	24.6%	2,413	19.4%	7,169	18.5%
Member of Immediate Family	465	46.2%	778	35.5%	6,017	48.3%	13,096	33.8%
Other Relative	85	8.4%	133	6.1%	880	7.1%	1,769	4.6%
Other	163	16.2%	742	33.9%	3,136	25.2%	16,690	43.1%
Total	1,007	100%	2,192	100%	12,446	100%	38,724	100%

Table 31 shows the relationships between the transferors and transfer recipients for S04K permits, all three Kodiak salmon permit types combined, statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2018. Permit transfers between immediate family members and other relatives total 54.6% (550/1007) of all transfers of S04K permits, compared to 41.5% (911/2,192) for all three Kodiak salmon permit types combined, 55.4% (6,897/12,446) for statewide salmon set gillnet permits, and 38.4% (14,865/38,724) for all limited entry permits statewide.

⁷ CFEC implemented the transfer survey in 1980.

⁸ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2018*, CFEC Report No. 16-2N.

S04K Permit Value

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

Table 32. CFEC Estimated Value of Kodiak Salmon Set Gillnet Permits

Year	S04K Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1983	8	\$76,525	-	\$192,931	-
1984	11	\$57,200	-	\$138,242	-
1985	7	\$56,357	-	\$131,521	-
1986	19	\$61,792	-	\$141,573	-
1987	8	\$60,122	-	\$132,897	-
1988	3	\$78,942	-	\$167,565	-
1989	4	\$88,063	-	\$178,333	-
1990	4	\$107,500	-	\$206,534	-
1991	2	\$106,300	\$14,950	\$195,981	\$27,563
1992	9	\$109,700	\$19,850	\$196,340	\$35,527
1993	8	\$111,900	\$12,350	\$194,456	\$21,461
1994	5	\$98,000	\$6,450	\$166,049	\$10,929
1995	4	\$92,600	\$45,050	\$152,576	\$74,228
1996	4	\$96,600	\$11,800	\$154,601	\$18,885
1997	5	\$103,000	\$11,400	\$161,147	\$17,836
1998	9	\$87,000	\$40,050	\$134,026	\$61,698
1999	9	\$91,700	\$22,350	\$138,214	\$33,687
2000	6	\$107,800	\$19,650	\$157,197	\$28,654
2001	1	\$101,800	\$26,400	\$144,340	\$37,432
2002	5	\$56,800	\$18,850	\$79,282	\$26,311
2003	4	\$39,500	\$6,800	\$53,906	\$9,280
2004	4	\$44,400	\$4,250	\$59,021	\$5,650
2005	4	\$37,800	\$5,250	\$48,601	\$6,750
2006	5	\$45,400	\$6,200	\$56,549	\$7,723
2007	3	\$46,900	\$2,250	\$56,799	\$2,725
2008	7	\$59,600	\$10,350	\$69,511	\$12,071
2009	5	\$60,400	\$4,400	\$70,696	\$5,150
2010	5	\$70,700	\$6,050	\$81,416	\$6,967
2011	7	\$74,700	\$3,450	\$83,390	\$3,851
2012	6	\$77,200	\$3,900	\$84,434	\$4,265
2013	3	\$80,000	\$3,750	\$86,233	\$4,042
2014	4	\$77,500	\$2,900	\$82,205	\$3,076
2015	0	\$77,500	\$2,900	\$82,107	\$3,072
2016	0	\$77,500	\$2,900	\$81,084	\$3,034
2017	0	\$77,500	\$2,900	\$79,393	\$2,971
2018	1	\$67,500	\$21,800	\$67,500	\$21,800

- Permit values represent averages of all arms-length sale transactions over the year. Beginning in 1991, additional data from recent months in the preceding year may be included until at least four observations can be averaged.
- The Standard Deviation was not calculated prior to 1991.
- Real permit values were calculated using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Emergency Transfers of S04K Permits

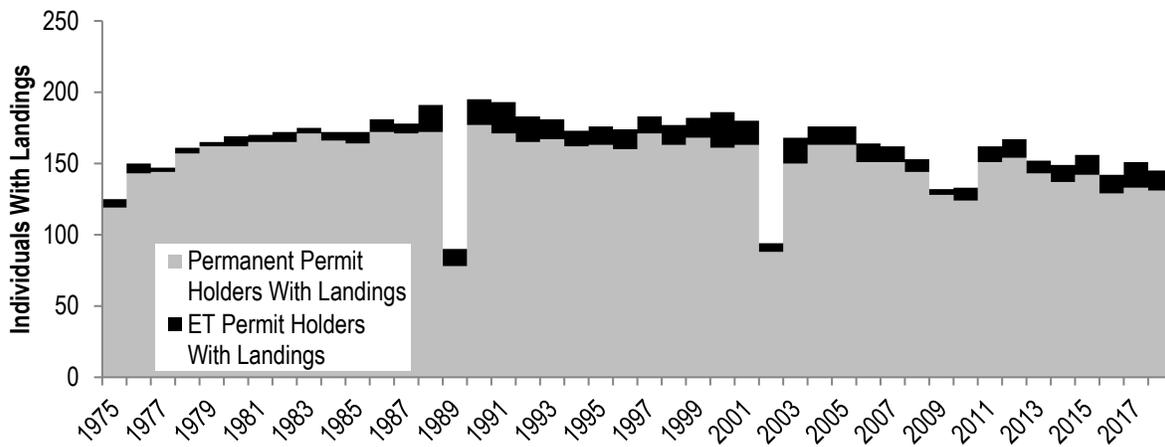
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected,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

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

Table 33. Use of Emergency Transfer Permits in the Kodiak Salmon Set Gillnet Fishery, 1975-2018

Year	Individuals With Landings	ET Permit Holders With Landings	ET Rate
1975	125	6	4.8%
1976	150	7	4.7%
1977	147	3	2.0%
1978	161	4	2.5%
1979	165	3	1.8%
1980	169	7	4.1%
1981	170	5	2.9%
1982	172	7	4.1%
1983	175	4	2.3%
1984	172	6	3.5%
1985	172	8	4.7%
1986	181	9	5.0%
1987	178	7	3.9%
1988	191	19	9.9%
1989	90	12	13.3%
1990	195	18	9.2%
1991	193	22	11.4%
1992	183	18	9.8%
1993	181	14	7.7%
1994	173	11	6.4%
1995	176	13	7.4%
1996	174	14	8.0%
1997	183	12	6.6%
1998	177	14	7.9%
1999	182	14	7.7%
2000	186	25	13.4%
2001	180	17	9.4%
2002	94	6	6.4%
2003	168	18	10.7%
2004	176	13	7.4%
2005	176	13	7.4%
2006	164	13	7.9%
2007	162	11	6.8%
2008	153	9	5.9%
2009	132	4	3.0%
2010	133	9	6.8%
2011	162	11	6.8%
2012	167	13	7.8%
2013	152	9	5.9%
2014	149	12	8.1%
2015	156	14	9.0%
2016	142	13	9.2%
2017	151	18	11.9%
2018	145	14	9.7%

Figure 8. Use of Emergency Transfer Permits in the Kodiak Salmon Set Gillnet Fishery, 1975-2018



DNR Shore Fishery Leases in the Kodiak Salmon Set Gillnet Fishery

The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by S04K 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 Kodiak, the DNR shore fishery lease program allows a permit holder to operate up to two nets with an aggregate of no more than 150 fathoms of length.⁹ Additional information regarding DNR shore fishery leases can be found in CFEC publication 16-2N.¹⁰ Please see Appendix A for a snapshot of DNR shore fishery sites in Kodiak.

The total number of Kodiak salmon set gillnet permits, permits with landings, and permits with a DNR shore fishery lease as of December 31 each year is reported by ADF&G salmon district in Table 34. While there are no restrictions as to which district an S04K permit can be used to make landings, the majority of S04K 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 34. Kodiak Salmon Set Gillnet DNR Shore Fishery Leases by District

Year	Permits Issued	Permits With Landings	Permits with DNR Lease	Alitak Bay District			Northwest District		
				With DNR Lease	Permits With Landings	Total Permits	With DNR Lease	Permits With Landings	Total Permits
1975	192	122	0	0	45	45	0	71	71
1976	186	148	0	0	55	55	0	84	84
1977	186	147	0	0	55	55	0	89	89
1978	187	160	0	0	61	61	0	91	91
1979	186	164	12	2	61	61	10	92	94
1980	187	168	34	16	64	64	18	90	92
1981	187	169	45	21	64	64	24	94	97
1982	187	170	52	24	66	66	28	107	110
1983	188	174	51	24	68	68	27	106	110
1984	188	168	49	22	70	70	27	105	107
1985	188	169	51	25	74	75	26	102	106
1986	187	174	66	30	78	78	36	110	113
1987	188	173	80	37	73	77	43	102	103
1988	188	179	99	49	80	81	50	104	106
1989	189	87	99	54	87	89	45	0	45
1990	189	184	84	44	90	90	40	105	108
1991	189	185	79	41	86	87	38	101	104
1992	189	178	104	63	79	85	41	103	107
1993	190	176	114	67	76	83	47	102	107
1994	190	169	120	69	74	81	52	98	105
1995	189	173	120	70	75	82	52	99	105
1996	189	172	123	75	80	84	51	94	100
1997	188	174	127	76	78	85	53	98	102
1998	188	171	124	75	77	84	51	96	101
1999	188	173	117	71	76	84	49	101	102
2000	188	172	119	72	76	84	49	98	103
2001	188	172	116	71	77	81	47	96	99
2002	188	93	109	70	0	70	40	93	97
2003	188	161	108	68	65	79	41	96	98
2004	188	164	107	66	71	80	41	93	95
2005	188	165	108	66	72	79	42	93	97
2006	188	153	110	67	60	77	43	93	98
2007	188	157	107	65	58	74	42	99	103
2008	188	165	105	62	66	76	43	99	103
2009	188	167	104	62	66	74	42	101	105
2010	188	174	104	63	71	78	41	104	107
2011	188	157	110	63	66	74	47	91	96
2012	188	164	103	62	65	75	41	99	101
2013	188	152	102	62	58	73	40	95	95
2014	188	146	100	60	49	70	40	97	97
2018	188	154	100	60	59	72	40	95	96

⁹ See 11 AAC 18.331(a).

¹⁰ See *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2018*. CFEC Report No. 16-3N.

Latent S04K Permits

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

Table 35 indicates the total number of viable S04K permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted.

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

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

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

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

Table 35. Kodiak Salmon Set Gillnet Permit Latency, 1975-2018

Year	Total Permits Issued	Permits With Landings		Permit Landings, and/or DNR Lease	
		Count	Latency	Count	Latency
1975	192	122	36.5%	122	36.5%
1976	186	148	20.4%	148	20.4%
1977	186	147	21.0%	147	21.0%
1978	187	160	14.4%	160	14.4%
1979	186	164	11.8%	165	11.3%
1980	187	168	10.2%	169	9.6%
1981	187	169	9.6%	171	8.6%
1982	187	170	9.1%	173	7.5%
1983	188	174	7.4%	177	5.9%
1984	188	168	10.6%	170	9.6%
1985	188	169	10.1%	174	7.4%
1986	187	174	7.0%	177	5.3%
1987	188	173	8.0%	178	5.3%
1988	188	179	4.8%	182	3.2%
1989	189	87	54.0%	128	32.3%
1990	189	184	2.6%	185	2.1%
1991	189	185	2.1%	186	1.6%
1992	189	178	5.8%	186	1.6%
1993	190	176	7.4%	185	2.6%
1994	190	169	11.1%	181	4.7%
1995	189	173	8.5%	183	3.2%
1996	189	172	9.0%	180	4.8%
1997	188	174	7.4%	183	2.7%
1998	188	171	9.0%	181	3.7%
1999	188	173	8.0%	180	4.3%
2000	188	172	8.5%	181	3.7%
2001	188	172	8.5%	177	5.9%
2002	188	93	50.5%	164	12.8%
2003	188	161	14.4%	173	8.0%
2004	188	164	12.8%	174	7.4%
2005	188	165	12.2%	175	6.9%
2006	188	153	18.6%	173	8.0%
2007	188	157	16.5%	175	6.9%
2008	190	148	22.1%	167	12.1%
2009	190	132	30.5%	160	15.8%
2010	190	158	16.8%	172	9.5%
2011	188	157	16.5%	168	10.6%
2012	188	164	12.8%	174	7.4%
2013	188	152	19.1%	166	11.7%
2014	188	146	22.3%	166	11.7%
2015	188	154	18.1%	167	11.2%
2016	188	137	27.1%	156	17.0%
2017	188	143	23.9%	163	13.3%
2018	188	140	25.5%	164	12.8%

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

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

¹² See 11 AAC 64.180.

New Entrants into the Kodiak Salmon Set Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S04K permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder of a limited entry permit. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

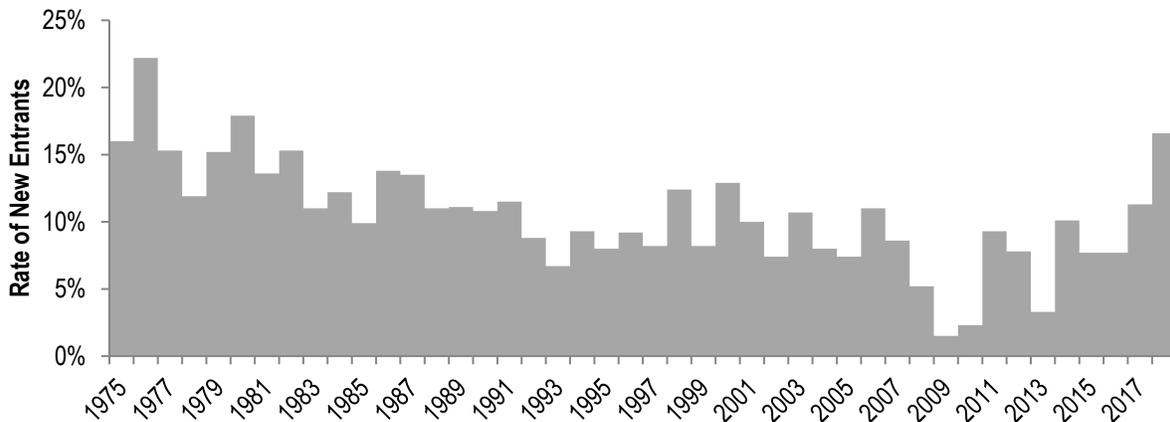
Table 36 and Figure 10 describe individuals rather than permits. An individual may hold up to two permits in this fishery but can only fish one of them except for the 2008, 2009, and 2010 when the Board of Fisheries allowed for stacking of S04K permits. An individual may hold one S04K permit one year, and then in subsequent years hold a different S04K permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing.

Table 36. New Entrants into the Kodiak Salmon Set Gillnet Fishery, 1975-2018

Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants		Year	Individuals w/Landings	New Entrants	
		Count	Percent												
1975	100	16	16.0%	1986	181	25	13.8%	1997	183	15	8.2%	2008	153	8	5.2%
1976	144	32	22.2%	1987	178	24	13.5%	1998	177	22	12.4%	2009	132	2	1.5%
1977	144	22	15.3%	1988	191	21	11.0%	1999	182	15	8.2%	2010	133	3	2.3%
1978	160	19	11.9%	1989	90	10	11.1%	2000	186	24	12.9%	2011	162	15	9.3%
1979	165	25	15.2%	1990	194	21	10.8%	2001	180	18	10.0%	2012	167	13	7.8%
1980	168	30	17.9%	1991	192	22	11.5%	2002	94	7	7.4%	2013	152	5	3.3%
1981	169	23	13.6%	1992	182	16	8.8%	2003	168	18	10.7%	2014	149	15	10.1%
1982	170	26	15.3%	1993	179	12	6.7%	2004	176	14	8.0%	2015	156	12	7.7%
1983	173	19	11.0%	1994	172	16	9.3%	2005	176	13	7.4%	2016	142	11	7.7%
1984	172	21	12.2%	1995	175	14	8.0%	2006	164	18	11.0%	2017	151	17	11.3%
1985	171	17	9.9%	1996	173	16	9.2%	2007	162	14	8.6%	2018	145	24	16.6%

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

Figure 9. New Entrants into the Kodiak Salmon Set Gillnet Fishery, 1975-2018



Age of S04K Permit Holders

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

Year	S04K	Combined Kodiak	Statewide Salmon Set Gillnet	Statewide All Permits	Mean AK Worker Age
1980	38.1	39.4	37.9	38.9	33.4
1981	38.2	39.7	38.0	39.9	33.5
1982	38.5	39.9	38.2	40.0	33.6
1983	39.1	40.0	38.0	40.2	33.7
1984	39.0	40.5	38.2	40.4	33.8
1985	39.6	40.9	38.5	40.8	34.0
1986	40.0	40.6	38.8	41.0	34.2
1987	39.6	40.2	39.0	40.9	34.5
1988	41.0	40.5	39.3	41.2	34.9
1989	41.0	40.8	39.9	41.5	35.3
1990	41.6	41.4	40.0	42.0	35.5
1991	41.2	41.6	40.5	42.5	35.9
1992	41.1	41.8	40.8	42.9	36.2
1993	41.8	42.4	41.2	43.5	36.5
1994	42.6	43.1	41.5	44.0	36.7
1995	43.5	43.6	41.9	44.4	37.0
1996	43.8	44.0	42.3	44.8	37.2
1997	43.6	44.2	42.6	45.1	37.4
1998	43.9	44.7	43.1	45.6	37.6
1999	43.5	44.9	43.4	46.0	37.8
2000	44.1	45.5	43.7	46.4	37.9
2001	44.8	46.3	44.1	46.9	38.1
2002	45.3	47.1	44.8	47.4	38.3
2003	45.8	47.9	45.2	47.9	38.4
2004	46.2	48.5	45.4	48.2	38.6
2005	46.4	48.8	45.4	48.4	38.7
2006	45.9	48.6	45.6	48.7	38.8
2007	46.6	49.1	45.9	48.9	38.9
2008	46.8	49.3	45.9	49.0	39.0
2009	48.6	49.9	46.1	49.3	39.1
2010	49.0	50.6	46.3	49.5	39.2
2011	48.4	49.9	46.6	49.6	39.4
2012	49.5	50.7	47.0	49.8	39.4
2013	49.6	50.8	47.0	50.0	39.5
2014	50.2	50.7	47.2	50.2	39.5
2015	50.4	51.1	47.6	50.6	39.5
2016	50.3	51.6	48.0	50.9	39.6
2017	51.4	52.4	48.2	51.3	39.6
2018	51.0	52.5	48.4	51.7	39.6

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

Table 37 shows the annual mean age of five different cohorts of people: 1) Kodiak salmon set gillnet (S04K) permit holders; 2) all three (S01K, S02K, and S04K) Kodiak salmon permit holders; 3) statewide salmon set gillnet permit holders; 4) all CFEC limited entry permit holders; and 5) the general Alaskan population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S04K permits issued. Some individuals hold permits in more than one fishery; in these cases, the age each permit that he or she holds.

The mean age of the general Alaskan population has increased 6.2 years between 1980 and 2018, which represents a 18.5% increase. The percent change in ages over the same period for all CFEC permit holders increased by 32.9% (12.8 years), 27.7% (10.5 years) for the statewide set gillnet permit holders, and 33.2% (13.1 years) for the combined Kodiak permit holders.

For S04K permit holders, the mean age increased 33.9% (12.9 years).

S04K 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. From 2008 through 2010, the Alaska Board of Fisheries allowed for stacked permit operations in the Kodiak salmon set gillnet fishery.¹³ 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 holds one permit and fishes only one complement of gear.

Reporting on counts of stacked permit operations is not a simple task due to the transferability of S04K permits. Permits can change hands multiple times throughout the year. An individual may start as 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 38 provides data on participation in stacked permit operations. Note that this table reports on individuals and not permits. Earnings are adjusted for inflation using the U.S. Bureau of Labor Statistics 2018 Consumer Price Index.

Table 38. Kodiak Salmon Set Gillnet Participation, Effort, and Real Earnings by Operation Type, 2008-2010

Year	Operation Type	Individuals with Landings	Percent of Total Individuals	Effort	Total Ex-vessel Value	Percent of Total Ex-vessel Value	Average Ex-vessel Value
2008	Stacked	22	14.4%	44	\$1,717,802	21.1%	\$78,082
	Single	131	85.6%	131	\$6,410,256	78.9%	\$48,933
	Combined	153	100.0%	175	\$8,128,058	100.0%	\$53,125
2009	Stacked	38	28.8%	76	\$3,363,225	42.9%	\$88,506
	Single	94	71.2%	94	\$4,472,585	57.1%	\$47,581
	Combined	132	100.0%	170	\$7,835,810	100.0%	\$59,362
2010	Stacked	42	31.6%	84	\$2,335,844	49.9%	\$55,615
	Single	91	68.4%	91	\$2,346,791	50.1%	\$25,789
	Combined	133	100.0%	175	\$4,682,635	100.0%	\$35,208

- Individuals are counted as being in stacked permit operations when they made at least one landing while holding two permits.
- Earnings are adjusted for inflation using the U.S. Bureau of Labor Statistics 2018 Consumer Price Index.

For additional information regarding permit stacking in the Kodiak salmon set gillnet fishery, please see CFEC report 13-4N, *Kodiak Salmon Set Gillnet Permit Stacking*.

¹³ See 5 AAC 18.331.

Participation and Earnings

Table 39 reports the number of permits, permits with landings, and estimated gross earnings in the Kodiak salmon set gillnet fishery from 1975 to 2018. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

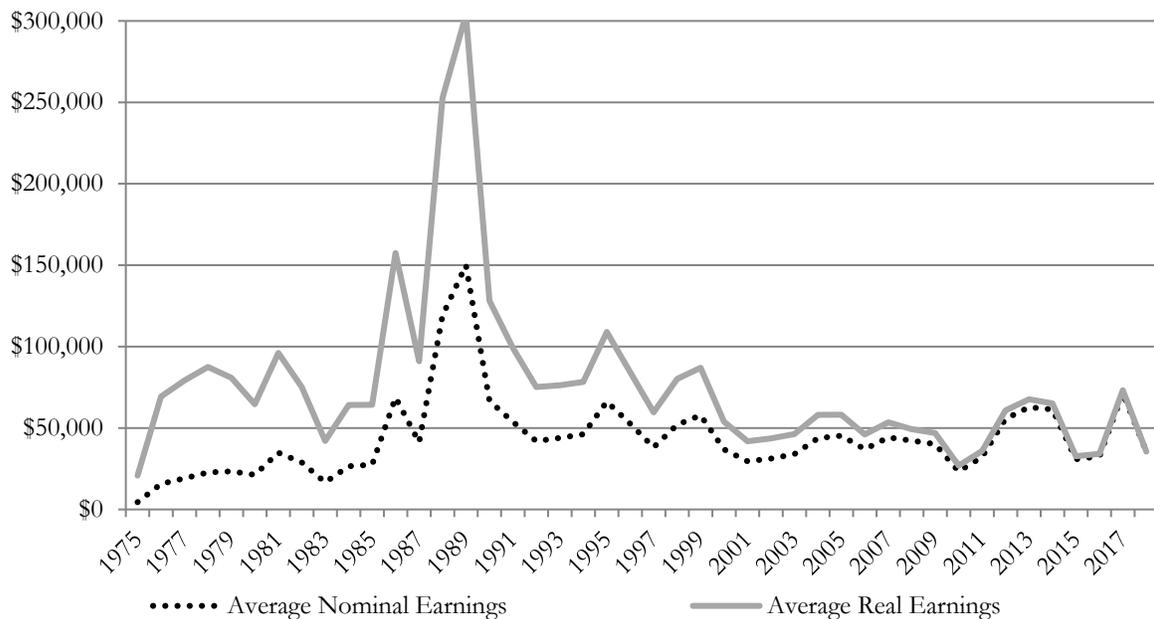
Table 40 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

Table 41 breaks out participation and real earnings by ADF&G salmon district. Note that some permits are used to record landings in more than one district.

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 11 for both nominal and real dollars using the 2018 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held was in 1996. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted.

Figure 10. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Set Gillnet Permit



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

Table 39. Estimated Total Gross Earnings (Real and Nominal) for the Kodiak Salmon Set Gillnet Fishery, With Average Gross Earnings (Real) by Permit, 1975-2018

Year	Permits Issued	Permits With Landings	Total Gross Earnings		
			Nominal	Real	Average Real
1975	192	122	\$543,157	\$2,535,141	\$20,780
1976	186	148	\$2,324,770	\$10,259,506	\$69,321
1977	186	147	\$2,810,215	\$11,644,633	\$79,215
1978	187	160	\$3,633,828	\$13,995,088	\$87,469
1979	186	164	\$3,831,508	\$13,252,322	\$80,807
1980	187	168	\$3,564,165	\$10,861,490	\$64,652
1981	187	169	\$5,878,740	\$16,239,744	\$96,093
1982	187	170	\$4,911,167	\$12,779,570	\$75,174
1983	188	174	\$2,903,905	\$7,321,193	\$42,076
1984	188	168	\$4,460,790	\$10,780,900	\$64,172
1985	188	169	\$4,650,350	\$10,852,559	\$64,216
1986	187	174	\$11,953,886	\$27,387,815	\$157,401
1987	188	173	\$7,121,132	\$15,740,899	\$90,988
1988	188	179	\$21,309,576	\$45,232,323	\$252,695
1989	189	87	\$13,051,018	\$26,429,048	\$303,782
1990	189	184	\$12,275,540	\$23,584,346	\$128,176
1991	189	185	\$9,956,102	\$18,355,704	\$99,220
1992	189	178	\$7,473,098	\$13,375,248	\$75,142
1993	190	176	\$7,724,543	\$13,423,437	\$76,270
1994	190	169	\$7,805,959	\$13,226,255	\$78,262
1995	189	173	\$11,446,588	\$18,860,356	\$109,019
1996	189	172	\$9,052,730	\$14,488,234	\$84,234
1997	188	174	\$6,635,516	\$10,381,462	\$59,664
1998	188	171	\$8,900,235	\$13,711,112	\$80,182
1999	188	173	\$9,989,759	\$15,057,013	\$87,035
2000	188	172	\$6,350,831	\$9,260,965	\$53,843
2001	188	172	\$5,076,627	\$7,198,060	\$41,849
2002	188	93	\$2,903,734	\$4,053,073	\$43,581
2003	188	161	\$5,459,822	\$7,451,085	\$46,280
2004	188	164	\$7,167,694	\$9,528,100	\$58,098
2005	188	165	\$7,465,694	\$9,599,017	\$58,176
2006	188	153	\$5,655,915	\$7,044,841	\$46,045
2007	188	157	\$6,933,209	\$8,396,646	\$53,482
2008	190	165	\$6,969,122	\$8,128,058	\$49,261
2009	190	167	\$6,694,641	\$7,835,810	\$46,921
2010	190	174	\$4,066,301	\$4,682,635	\$26,912
2011	188	157	\$5,055,418	\$5,643,534	\$35,946
2012	188	164	\$9,116,968	\$9,971,229	\$60,800
2013	188	152	\$9,545,201	\$10,288,881	\$67,690
2014	188	146	\$8,959,918	\$9,503,828	\$65,095
2015	188	154	\$4,752,798	\$5,035,338	\$32,697
2016	188	137	\$4,466,459	\$4,673,027	\$34,110
2017	188	143	\$10,215,249	\$10,464,754	\$73,180
2018	188	140	\$4,974,606	\$4,974,606	\$35,533

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- Note that these counts are for individuals, not permits.
- All permits used in stacked permit operations are counted even if landings were documented on only one of the two permits.

Table 40. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Set Gillnet Fishery by Resident Type, 1975-2018

Year	Local			Nonlocal			Nonresident			Total		
	People	Gross Earnings		People	Gross Earnings		People	Gross Earnings		People	Gross Earnings	
		Average	Total		Average	Total		Average	Total		Average	Total
1975	89	\$20,802	\$1,851,410	7	\$13,100	\$91,702	29	\$20,415	\$592,029	125	\$20,281	\$2,535,14
1976	110	\$61,014	\$6,711,581	5	\$70,108	\$350,53	35	\$91,354	\$3,197,38	150	\$68,397	\$10,259,5
1977	99	\$80,001	\$7,920,051	10	\$42,817	\$428,16	38	\$86,748	\$3,296,41	147	\$79,215	\$11,644,6
1978	113	\$80,790	\$9,129,305	10	\$65,015	\$650,15	38	\$110,93	\$4,215,63	161	\$86,926	\$13,995,0
1979	112	\$76,274	\$8,542,665	13	\$66,994	\$870,92	40	\$95,968	\$3,838,73	165	\$80,317	\$13,252,3
1980	111	\$64,993	\$7,214,238	18	\$61,179	\$1,101,2	40	\$63,651	\$2,546,03	169	\$64,269	\$10,861,4
1981	119	\$95,392	\$11,351,59	15	\$86,899	\$1,303,4	36	\$99,574	\$3,584,66	170	\$95,528	\$16,239,7
1982	116	\$73,636	\$8,541,738	18	\$66,619	\$1,199,1	38	\$79,966	\$3,038,69	172	\$74,300	\$12,779,5
1983	117	\$40,782	\$4,771,495	20	\$39,680	\$793,59	38	\$46,213	\$1,756,10	175	\$41,835	\$7,321,19
1984	116	\$61,577	\$7,142,894	18	\$58,329	\$1,049,9	38	\$68,108	\$2,588,08	172	\$62,680	\$10,780,9
1985	122	\$57,075	\$6,963,131	16	\$69,463	\$1,111,4	34	\$81,707	\$2,778,02	172	\$63,096	\$10,852,5
1986	119	\$146,96	\$17,488,71	25	\$138,979	\$3,474,4	37	\$173,63	\$6,424,63	181	\$151,314	\$27,387,8
1987	119	\$86,217	\$10,259,82	28	\$75,331	\$2,109,2	31	\$108,76	\$3,371,80	178	\$88,432	\$15,740,8
1988	122	\$232,61	\$28,378,84	32	\$266,533	\$8,529,0	37	\$224,98	\$8,324,43	191	\$236,818	\$45,232,3
1989	46	\$320,91	\$14,762,07	16	\$177,444	\$2,839,1	28	\$315,28	\$8,827,87	90	\$293,656	\$26,429,0
1990	123	\$116,31	\$14,306,23	28	\$136,580	\$3,824,2	44	\$123,95	\$5,453,86	195	\$120,945	\$23,584,3
1991	117	\$93,533	\$10,943,36	29	\$83,588	\$2,424,0	47	\$106,13	\$4,988,28	193	\$95,107	\$18,355,7
1992	118	\$70,669	\$8,338,909	21	\$91,659	\$1,924,8	44	\$70,716	\$3,111,50	183	\$73,089	\$13,375,2
1993	108	\$75,657	\$8,170,954	26	\$78,429	\$2,039,1	47	\$68,369	\$3,213,33	181	\$74,163	\$13,423,4
1994	103	\$74,950	\$7,719,881	26	\$85,478	\$2,222,4	44	\$74,635	\$3,283,95	173	\$76,452	\$13,226,2
1995	103	\$110,54	\$11,386,02	25	\$121,689	\$3,042,2	48	\$92,336	\$4,432,11	176	\$107,161	\$18,860,3
1996	93	\$86,778	\$8,070,340	25	\$98,949	\$2,473,7	56	\$70,431	\$3,944,16	174	\$83,266	\$14,488,2
1997	101	\$56,737	\$5,730,416	27	\$69,806	\$1,884,7	55	\$50,296	\$2,766,29	183	\$56,729	\$10,381,4
1998	102	\$82,200	\$8,384,358	24	\$72,758	\$1,746,2	51	\$70,207	\$3,580,55	177	\$77,464	\$13,711,1
1999	107	\$88,024	\$9,418,600	21	\$85,899	\$1,803,8	54	\$71,010	\$3,834,53	182	\$82,731	\$15,057,0
2000	103	\$51,293	\$5,283,131	24	\$47,999	\$1,151,9	59	\$47,896	\$2,825,85	186	\$49,790	\$9,260,96
2001	101	\$43,661	\$4,409,740	21	\$44,493	\$934,35	58	\$31,965	\$1,853,96	180	\$39,989	\$7,198,06
2002	63	\$43,533	\$2,742,566	10	\$37,990	\$379,90	21	\$44,315	\$930,607	94	\$43,118	\$4,053,07
2003	92	\$50,022	\$4,601,986	17	\$33,612	\$571,39	59	\$38,605	\$2,277,70	168	\$44,352	\$7,451,08
2004	96	\$58,722	\$5,637,284	19	\$50,762	\$964,47	61	\$47,973	\$2,926,34	176	\$54,137	\$9,528,10
2005	99	\$59,664	\$5,906,727	22	\$56,259	\$1,237,6	55	\$44,629	\$2,454,60	176	\$54,540	\$9,599,01
2006	90	\$50,449	\$4,540,369	20	\$41,495	\$829,89	54	\$31,011	\$1,674,57	164	\$42,956	\$7,044,84
2007	89	\$64,462	\$5,737,145	18	\$45,087	\$811,55	55	\$33,599	\$1,847,94	162	\$51,831	\$8,396,64
2008	90	\$55,573	\$5,001,553	16	\$39,039	\$624,61	47	\$53,232	\$2,501,88	153	\$53,125	\$8,128,05
2009	78	\$63,043	\$4,917,362	17	\$53,908	\$916,44	37	\$54,108	\$2,002,00	132	\$59,362	\$7,835,81
2010	78	\$40,521	\$3,160,656	17	\$31,736	\$539,50	38	\$25,855	\$982,473	133	\$35,208	\$4,682,63
2011	97	\$37,707	\$3,657,549	18	\$34,045	\$612,81	47	\$29,216	\$1,373,16	162	\$34,837	\$5,643,53
2012	101	\$65,219	\$6,587,096	22	\$54,093	\$1,190,0	44	\$49,865	\$2,194,07	167	\$59,708	\$9,971,22
2013	89	\$78,290	\$6,967,832	16	\$62,379	\$998,05	47	\$49,425	\$2,322,99	152	\$67,690	\$10,288,8
2014	87	\$74,728	\$6,501,367	18	\$28,922	\$520,59	44	\$56,406	\$2,481,86	149	\$63,784	\$9,503,82
2015	86	\$38,540	\$3,314,441	20	\$23,629	\$472,58	50	\$24,966	\$1,248,31	156	\$32,278	\$5,035,33
2016	73	\$41,547	\$3,032,895	18	\$22,160	\$398,87	51	\$24,338	\$1,241,25	142	\$32,909	\$4,673,02
2017	81	\$83,750	\$6,783,743	18	\$57,687	\$1,038,3	52	\$50,820	\$2,642,64	151	\$69,303	\$10,464,7
2018	71	\$37,758	\$2,680,841	20	\$25,907	\$518,14	54	\$32,882	\$1,775,61	145	\$34,308	\$4,974,60

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Note that these counts are for individuals, not permits.
- Stacked permit operations only count the individual once.

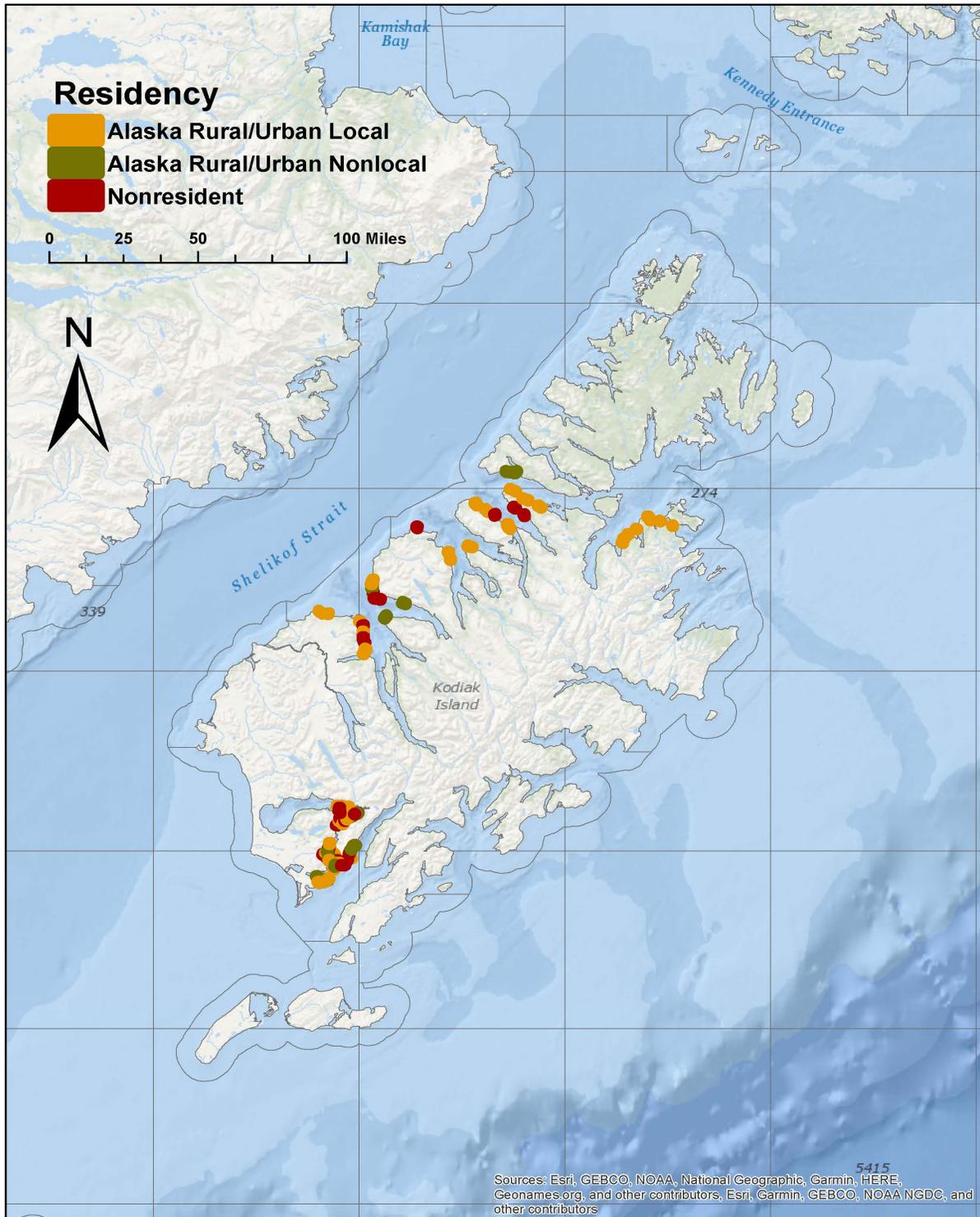
Kodiak Salmon Set Gillnet (S04K)

Table 41. Gross Real Earnings for the Kodiak Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975-2018

Year	Afoognak		Northeast		Eastside		Alitak		Southwest		Northwest		Mainland		Total Permits	Total Real Value
	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value	Permits	Real Value		
1975	9	\$211,202	0	\$0	0	\$0	45	\$306,376	1 to 3	confidential	72	\$1,953,965	0	\$0	122	\$2,535,141
1976	12	\$543,173	0	\$0	0	\$0	55	\$4,172,728	0	\$0	87	\$5,543,605	0	\$0	148	\$10,259,506
1977	16	\$823,692	1 to 3	confidential	0	\$0	55	\$2,917,282	0	\$0	90	\$7,903,413	0	\$0	147	\$11,644,633
1978	17	\$708,787	0	\$0	0	\$0	61	\$5,594,430	0	\$0	93	\$7,691,870	0	\$0	160	\$13,995,088
1979	17	\$754,229	1 to 3	confidential	1 to 3	confidential	61	\$5,138,181	0	\$0	97	\$7,357,449	0	\$0	164	\$13,252,322
1980	25	\$940,040	0	\$0	0	\$0	64	\$3,351,364	1 to 3	confidential	96	\$6,565,791	0	\$0	168	\$10,861,490
1981	22	\$1,060,277	0	\$0	1 to 3	confidential	64	\$5,737,283	1 to 3	confidential	99	\$9,439,750	0	\$0	169	\$16,239,744
1982	0	\$0	0	\$0	0	\$0	66	\$6,350,814	1 to 3	confidential	107	\$6,422,182	0	\$0	170	\$12,779,570
1983	10	\$135,872	2	\$2,819	0	\$0	68	\$3,435,350	0	\$0	106	\$3,746,710	1 to 3	confidential	174	\$7,321,193
1984	1 to 3	confidential	4	\$38,214	0	\$0	70	\$4,399,142	1 to 3	confidential	105	\$6,341,084	0	\$0	168	\$10,780,900
1985	6	\$16,507	1 to 3	confidential	1 to 3	confidential	74	\$6,152,158	7	\$15,274	102	\$4,629,148	0	\$0	169	\$10,852,559
1986	1 to 3	confidential	1 to 3	confidential	0	\$0	78	\$14,541,366	0	\$0	110	\$12,805,564	0	\$0	174	\$27,387,815
1987	0	\$0	1 to 3	confidential	0	\$0	73	\$7,881,740	1 to 3	confidential	102	\$7,672,769	0	\$0	173	\$15,740,899
1988	1 to 3	confidential	0	\$0	0	\$0	80	\$21,300,662	1 to 3	confidential	104	\$23,882,439	0	\$0	179	\$45,232,323
1989	0	\$0	0	\$0	0	\$0	87	\$26,429,048	0	\$0	0	\$0	0	\$0	87	\$26,429,048
1990	0	\$0	0	\$0	0	\$0	90	\$11,207,390	0	\$0	105	\$12,376,956	0	\$0	184	\$23,584,346
1991	0	\$0	0	\$0	0	\$0	86	\$10,341,252	0	\$0	101	\$8,014,452	0	\$0	185	\$18,355,704
1992	0	\$0	0	\$0	0	\$0	79	\$4,010,792	0	\$0	103	\$9,364,455	0	\$0	178	\$13,375,248
1993	0	\$0	0	\$0	0	\$0	76	\$4,061,651	0	\$0	102	\$9,361,787	0	\$0	176	\$13,423,437
1994	0	\$0	0	\$0	0	\$0	74	\$5,743,504	0	\$0	98	\$7,482,750	0	\$0	169	\$13,226,255
1995	0	\$0	0	\$0	0	\$0	75	\$7,414,701	0	\$0	99	\$11,445,655	0	\$0	173	\$18,860,356
1996	0	\$0	0	\$0	0	\$0	80	\$6,696,262	0	\$0	94	\$7,791,972	0	\$0	172	\$14,488,234
1997	0	\$0	0	\$0	0	\$0	78	\$3,526,340	0	\$0	98	\$6,855,122	0	\$0	174	\$10,381,462
1998	0	\$0	0	\$0	0	\$0	77	\$5,831,358	0	\$0	96	\$7,879,755	0	\$0	171	\$13,711,112
1999	0	\$0	0	\$0	0	\$0	76	\$4,077,399	0	\$0	101	\$10,979,614	0	\$0	173	\$15,057,013
2000	0	\$0	0	\$0	0	\$0	76	\$2,457,497	0	\$0	98	\$6,803,468	0	\$0	172	\$9,260,965
2001	0	\$0	0	\$0	0	\$0	77	\$1,779,308	0	\$0	96	\$5,418,752	0	\$0	172	\$7,198,060
2002	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	93	\$4,053,073	0	\$0	93	\$4,053,073
2003	0	\$0	0	\$0	0	\$0	65	\$1,081,683	0	\$0	96	\$6,369,402	0	\$0	161	\$7,451,085
2004	0	\$0	0	\$0	0	\$0	71	\$3,297,672	0	\$0	93	\$6,230,428	0	\$0	164	\$9,528,100
2005	0	\$0	0	\$0	0	\$0	72	\$2,877,118	0	\$0	93	\$6,721,900	0	\$0	165	\$9,599,017
2006	0	\$0	0	\$0	0	\$0	60	\$488,398	0	\$0	93	\$6,556,443	0	\$0	153	\$7,044,841
2007	0	\$0	0	\$0	0	\$0	58	\$569,559	0	\$0	99	\$7,827,087	0	\$0	157	\$8,396,646
2008	0	\$0	0	\$0	0	\$0	66	\$3,654,775	0	\$0	99	\$4,473,283	0	\$0	165	\$8,128,058
2009	0	\$0	0	\$0	0	\$0	66	\$3,191,621	0	\$0	101	\$4,644,189	0	\$0	167	\$7,835,810
2010	0	\$0	0	\$0	0	\$0	71	\$924,646	0	\$0	104	\$3,757,989	0	\$0	174	\$4,682,635
2011	0	\$0	0	\$0	0	\$0	66	\$1,873,953	0	\$0	91	\$3,769,582	0	\$0	157	\$5,643,534
2012	0	\$0	0	\$0	0	\$0	65	\$2,086,420	0	\$0	99	\$7,884,809	0	\$0	164	\$9,971,229
2013	0	\$0	0	\$0	0	\$0	58	\$1,593,601	0	\$0	95	\$8,695,280	0	\$0	152	\$10,288,881
2014	0	\$0	0	\$0	0	\$0	49	\$1,470,722	0	\$0	97	\$8,033,106	0	\$0	146	\$9,503,828
2015	0	\$0	0	\$0	0	\$0	59	\$782,053	0	\$0	95	\$4,253,285	0	\$0	154	\$5,035,338
2016	0	\$0	0	\$0	0	\$0	53	\$706,235	0	\$0	84	\$3,966,792	0	\$0	137	\$4,673,027
2017	0	\$0	0	\$0	0	\$0	50	\$1,431,496	0	\$0	93	\$9,033,259	0	\$0	143	\$10,464,754
2018	0	\$0	0	\$0	0	\$0	43	\$1,648,606	0	\$0	97	\$3,326,000	0	\$0	140	\$4,974,606

- Adjusted for inflation to 2018 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.
- 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 June 2019.

Appendix B. Kodiak Stacked Permit and Joint Venture Regulations

First Season In Effect	Basic Regulation	Identification	Regulations
2008, 2009, 2010	<p>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.</p> <p>Board of Fish allowed stacked permit regulation to sunset the end of 2010.</p>	<p>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.</p>	<p>5 AAC 18.331</p>
1985 to present	<p>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.</p>	<p>Gillnet buoys must be marked with both permit numbers when the operation fishes 2 permits.</p>	<p>5 AAC 18.331 (e)</p>

Appendix C. Salmon Statistical Areas and Kodiak Salmon Districts

Below is a list of all the salmon statistical areas used to group landings by permit holders into Kodiak districts. Note that the list includes historical districts that are no longer in use. Salmon statistical areas were used as reported on ADF&G fish tickets. If you feel that any of the salmon statistical areas were incorrectly attributed to a Kodiak district, please contact the CFEC Research Unit.

Afognak District

251-10, 251-11, 251-12, 251-20, 251-22, 251-30, 251-40, 251-41, 251-50, 251-60, 251-70, 251-81, 251-82, 251-83, 251-84, 251-85, 251-90, 252-10, 252-20, 252-30, 252-31, 252-32, 252-33, 252-34, 252-35, 252-38

Northeast Kodiak District

259-10, 259-21, 259-22, 259-23, 259-24, 259-25, 259-26, 259-27

Eastside Kodiak District

258-10, 258-20, 258-25, 258-30, 258-40, 258-51, 258-52, 258-53, 258-54, 258-55, 258-60, 258-70, 258-80, 258-85, 258-90, 259-40, 259-41, 259-42, 259-43, 259-44, 259-45, 259-46

Alitak Bay District

257-10, 257-20, 257-30, 257-40, 257-41, 257-42, 257-43, 257-50, 257-60, 257-70, 257-80

Southwest Kodiak District

255-10, 255-20, 256-10, 256-15, 256-20, 256-25, 256-30, 256-40

Northwest Kodiak District

252-36, 252-37, 252-39, 253-11, 253-12, 253-13, 253-14, 253-31, 253-32, 253-33, 253-34, 253-35, 254-10, 254-20, 254-21, 254-30, 254-31, 254-40, 254-41, 254-50, 259-30, 259-31, 259-32, 259-33, 259-34, 259-35, 259-36, 259-37, 259-38, 259-39

Mainland District

262-10, 262-15, 262-20, 262-25, 262-27, 262-30, 262-35, 262-40, 262-45, 262-50, 262-55, 262-60, 262-65, 262-70, 262-75, 262-80, 262-85, 262-90, 262-95