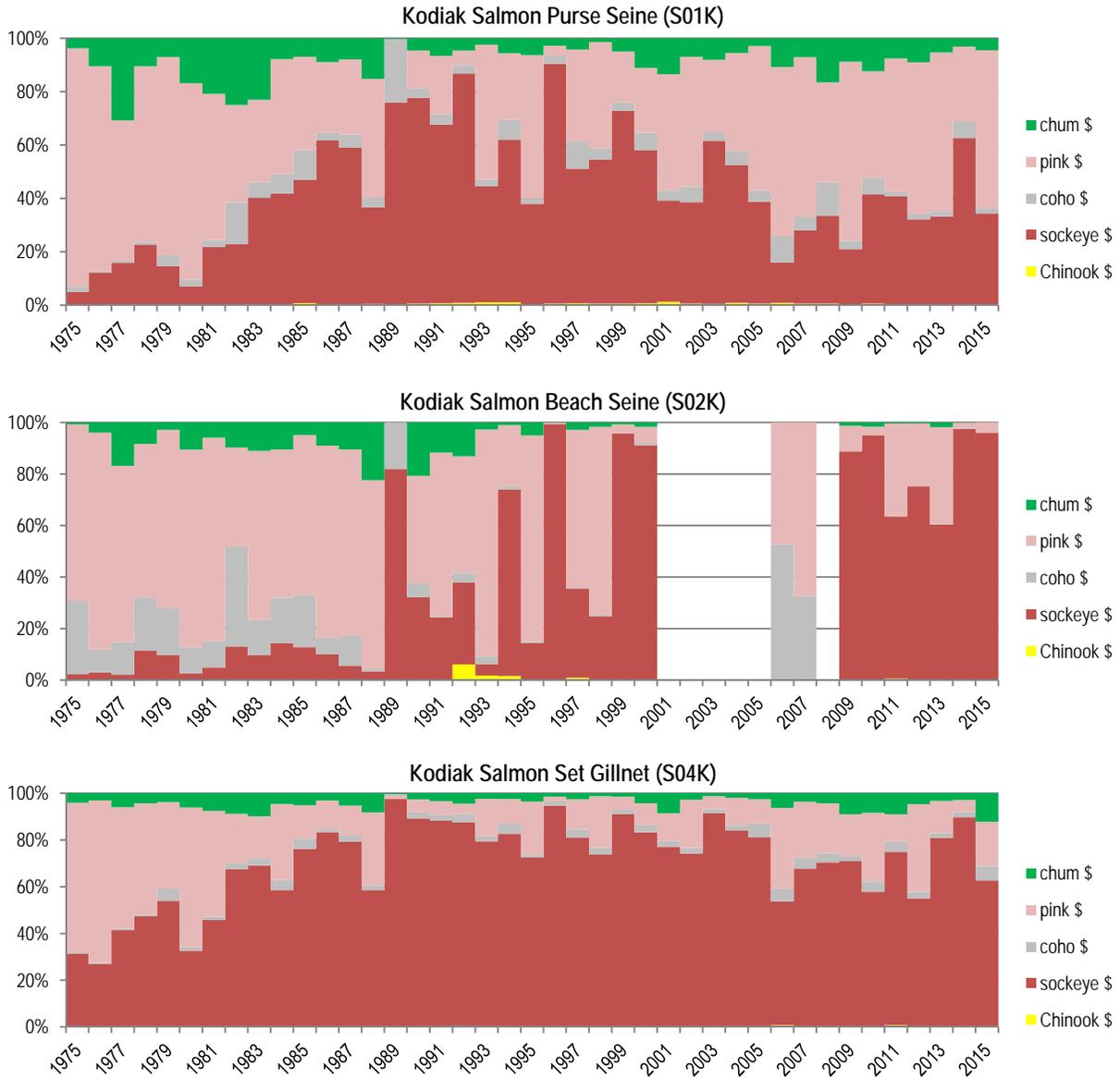


CFEC Permit Holdings and Estimates of Gross Earnings in the Kodiak Commercial Salmon Fisheries, 1975-2015



CFEC Report Number 16-7N
November, 2016

Commercial Fisheries Entry Commission
8800 Glacier Highway #109
P.O. Box 110302
Juneau, Alaska 99811-0302
(907) 789-6160

OEO/ADA Compliance Statement

The Commission is administratively attached to the Alaska Department of Fish and Game.

The Alaska Department of Fish and Game (ADF&G) administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

If you believe you have been discriminated against in any program, activity, or facility please write:

- ADF&G ADA Coordinator, P.O. Box 115526, Juneau, AK 99811-5526
- U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS 2042, Arlington, VA 22203
- Office of Equal Opportunity, U.S. Department of the Interior, 1849 C Street NW, MS 5230, Washington DC 20240.

The department's ADA Coordinator can be reached via phone at the following numbers:

- (VOICE) 907-465-6077
- (Statewide Telecommunication Device for the Deaf) 1-800-478-3648
- (Juneau TDD) 907-465-3646
- (FAX) 907-465-6078

For information on alternative formats and questions on this publication, please contact the following:

Commercial Fisheries Entry Commission (CFEC)

Research Section

8800 Glacier Highway, Suite 109

P.O. Box 110302

Juneau, Alaska 99811-0302

(907) 789-6160 *phone*

(907) 789-6170 *fax*

DFG.CFEC.Research@alaska.gov

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 2015.

Prepared by Marcus Gho

Acknowledgements

Special thanks to Craig Farrington for his insights and contributions to this document. Special thanks to Jen Shriver and Amanda Dorner, both of ADF&G, for providing ADF&G salmon statistical area information.

Contents

Abstract	i
Description of the Data Files Used to Generate This Report.....	2
<i>Kodiak Salmon Purse Seine Fishery</i>	4
S01K Permit Holdings	4
Transfers of S01K Permits	5
S01K Permit Value	6
Emergency Transfers of S01K Permits.....	7
Latent S01K Permits	8
New Entrants into the Kodiak Salmon Purse Seine Fishery	9
Age of S01K Permit Holders	10
Kodiak Salmon Purse Seine Vessel Characteristics	11
Participation and Earnings	13
<i>Kodiak Salmon Beach Seine Fishery</i>	17
S02K Permit Holdings	17
Transfers of S02K Permits	18
S02K Permit Value	19
Emergency Transfers of S02K Permits.....	20
Latent S02K Permits	21
New Entrants into the Kodiak Salmon Beach seine Fishery.....	22
Age of S02K Permit Holders	23
Kodiak Salmon Beach Seine Vessel Characteristics	24
Participation and Earnings	26
<i>Kodiak Salmon Set Gillnet Fishery</i>	30
S04K Permit Holdings	30
Transfers of S04K Permits	31
S04K Permit Value	32
Emergency Transfers of S04K Permits.....	33
DNR Shore Fishery Leases in the Kodiak Salmon Set Gillnet Fishery	34
Latent S04K Permits	35
New Entrants into the Kodiak Salmon Set Gillnet Fishery.....	36
Age of S04K Permit Holders	37
S04K Permit Stacking.....	38
Participation and Earnings	39
Appendix A. DNR Shore Fishery Lease	43
Appendix B. Kodiak Stacked Permit and Joint Venture Regulations	44
Appendix C. Salmon Statistical Areas and Kodiak Salmon Districts	45

List of Figures

Figure 1. Use of Emergency Transfer Permits in the Kodiak Salmon Purse Seine Fishery, 1975-2015	7
Figure 2. Kodiak Salmon Purse Seine Permit Latency, 1975-2015.....	8
Figure 3. New Entrants into the Kodiak Salmon Purse Seine Fishery, 1975-2015	9
Figure 4. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Purse Seine Permit	13
Figure 5. Use of Emergency Transfer Permits in the Kodiak Salmon Beach Seine Fishery, 1975-2015	20
Figure 6. Kodiak Salmon Beach Seine Permit Latency, 1975-2015.....	21
Figure 7. New Entrants into the Kodiak Salmon Beach Seine Fishery, 1975-2015.....	22
Figure 8. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Beach Seine Permit	26
Figure 9. Use of Emergency Transfer Permits in the Kodiak Salmon Set Gillnet Fishery, 1975-2015.....	33
Figure 10. New Entrants into the Kodiak Salmon Set Gillnet Fishery, 1975-2015	36
Figure 11. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Set Gillnet Permit.....	39

List of Tables

Table 1. Percent of Total Ex-vessel Value of Kodiak Salmon Fisheries by Species, 1975-2015	1
Table 2. Communities Local to the Kodiak Salmon Fisheries, as Indicated in the CFEC Census File.....	3
Table 3. Initial Issuance and Year-end 2015 Totals of Kodiak Salmon Purse Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type.....	4
Table 4. Transfer Acquisition Methods for Kodiak Salmon Purse Seine Permits, 1980-2015.....	5
Table 5. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Purse Seine Permits, 1980-2015	5
Table 6. CFEC Estimated Value of Kodiak Salmon Purse Seine Permits	6
Table 7. Use of Emergency Transfer Permits in the Kodiak Salmon Purse Seine Fishery, 1975-2015	7
Table 8. Kodiak Salmon Purse Seine Permit Latency, 1975-2015.....	8
Table 9. New Entrants into the Kodiak Salmon Purse Seine Fishery, 1975-2015	9
Table 10. Median Age of Select CFEC Permit Holders and the General Alaskan Population.....	10
Table 11. Kodiak Salmon Purse Seine Vessel Characteristics.....	11
Table 12. Additional Kodiak Salmon Purse Seine Vessel Characteristics	12
Table 13. Estimated Total Gross Earnings (Real and Nominal) for the Kodiak Salmon Purse Seine Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2015	14
Table 14. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Purse Seine Fishery by Resident Type, 1975-2015	15
Table 15. Gross Real Earnings for the Kodiak Salmon Purse Seine Fishery by ADF&G Salmon District, 1975 to 2015	16
Table 16. Initial Issuance and Year-end 2015 Totals of Kodiak Salmon Beach Seine Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type.....	17
Table 17. Transfer Acquisition Methods for Kodiak Salmon Beach Seine Permits, 1980-2015.....	18
Table 18. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Beach Seine Permits, 1980-2015	18
Table 19. CFEC Estimated Value of Kodiak Salmon Beach Seine Permits.....	19
Table 20. Use of Emergency Transfer Permits in the Kodiak Beach Seine Fishery, 1975-2015	20
Table 21. Kodiak Salmon Beach Seine Permit Latency, 1975-2015.....	21
Table 22. New Entrants into the Kodiak Salmon Beach Seine Fishery, 1975-2015	22
Table 23. Median Age of Select CFEC Permit Holders and the General Alaskan Population.....	23
Table 24. Kodiak Salmon Beach Seine Vessel Characteristics.....	24
Table 25. Additional Kodiak Salmon Beach Seine Vessel Characteristics	25
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, 1975-2015.....	27
Table 27. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Beach Seine Fishery by Resident Type, 1975-2015	28
Table 28. Gross Real Earnings for the Kodiak Salmon Beach Seine Fishery by ADF&G Salmon District, 1975 to 2015	29
Table 29. Initial Issuance and Year-end 2015 Totals of Kodiak Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type.....	30
Table 30. Transfer Acquisition Methods for Kodiak Salmon Set Gillnet Permits, 1980-2015	31
Table 31. Relationships of Transferor to Transfer Recipients for Kodiak Salmon Set Gillnet Permit, 1980-2015	31
Table 32. CFEC Estimated Value of Kodiak Salmon Set Gillnet Permits	32
Table 33. Use of Emergency Transfer Permits in the Kodiak Salmon Set Gillnet Fishery, 1975-2015.....	33
Table 34. Kodiak Salmon Set Gillnet DNR Shore Fishery Leases by District.....	34
Table 35. Kodiak Salmon Set Gillnet Permit Latency, 1975-2015.....	35
Table 36. New Entrants into the Kodiak Salmon Set Gillnet Fishery, 1975-2015	36
Table 37. Median Age of Select CFEC Permit Holders and the General Alaskan Population.....	37
Table 38. Kodiak Salmon Set Gillnet Participation, Effort, and Real Earnings by Operation Type, 2008-2010.....	38
Table 39. Estimated Total Gross Earnings (Real and Nominal) for the Kodiak Salmon Set Gillnet Fishery, With Average Gross Earnings (Real) by Permit, 1975-2015	40
Table 40. Estimated Real Gross Earnings for Permit Holders in the Kodiak Salmon Set Gillnet Fishery by Resident Type, 1975-2015	41
Table 41. Gross Real Earnings for the Kodiak Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975-2015.....	42

This page is intentionally left blank.

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, 1975-2015

Species	Kodiak Purse Seine	Kodiak Beach Seine	Kodiak Set Gillnet	Total Kodiak Salmon
<i>Chinook</i>	0.4%	0.2%	0.2%	0.4%
<i>sockeye</i>	39.9%	10.3%	72.1%	46.6%
<i>coho</i>	3.9%	12.6%	2.4%	3.7%
<i>pink</i>	45.6%	67.3%	20.8%	40.5%
<i>chum</i>	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 1975-2015*.

CFEC Census File

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

Table 2. Communities Local to the 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 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Percent Change</i>		<i>Percent Change</i>		<i>Percent Change</i>		<i>Total</i>	<i>Percent</i>
			<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>		
Local	242	63.0%	57	23.6%	-97	-40.1%	-4	-1.7%	198	53.2%
Nonlocal	36	9.4%	37	102.8%	33	91.7%	-6	-16.7%	100	26.9%
Nonresident	106	27.6%	-94	-88.7%	64	60.4%	-2	-1.9%	74	19.9%
Total	384	100.0%	0	0.0%	0	0.0%	-12	-3.1%	372	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, 1980-2015

Acquisition Method	S01K Permit		Kodiak Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	284	27.9%	905	44.6%	1,138	31.6%	13,007	36.1%
<i>Sale</i>	678	66.7%	1,006	49.6%	2,265	63.0%	21,327	59.2%
<i>Trade</i>	16	1.6%	27	1.3%	64	1.8%	498	1.4%
<i>Other</i>	39	3.8%	92	4.5%	130	3.6%	1,185	3.3%
Total	1,017		2,030		3,597		36,017	

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 2015. Two thirds of all S01K permit transfers were sales (66.7%, or 678/1,017), just over one fourth were transferred as gifts (27.9% or 284/1,017), and a smaller percentage were trades (1.6% or 16/1,017) or other (3.8% or 39/1,017). 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, 1980-2015

Relationship	S01K Permit		Kodiak Combined Salmon		Statewide Salmon Purse Seine		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	202	19.9%	467	23.0%	653	18.2%	6,632	18.4%
<i>Member of Immediate Family</i>	265	26.1%	729	35.9%	1,152	32.0%	12,153	33.7%
<i>Other Relative</i>	44	4.3%	131	6.5%	146	4.1%	1,683	4.7%
<i>Other</i>	506	49.8%	703	34.6%	1,646	45.8%	15,549	43.2%
Total	1,017		2,030		3,597		36,017	

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 2015. Transfers within the family, both immediate family members and other relatives, total 30.4% (309/1,017) of all transfers. This compares to 42.4% (860/2,030) for all three Kodiak salmon permit types combined, 36.1% (1,298/3,597) for statewide salmon purse seine permits, and 38.4% (13,836/36,017) for all limited entry permits statewide.

³ CFEC implemented the transfer survey in 1980.

⁴ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2015*, 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
1985	23	\$46,337	-	\$102,069	-
1986	27	\$37,036	-	\$80,093	-
1987	40	\$43,385	-	\$90,519	-
1988	35	\$66,734	-	\$133,703	-
1989	19	\$139,289	-	\$266,241	-
1990	16	\$148,563	-	\$269,411	-
1991	15	\$122,800	\$13,550	\$213,698	\$23,580
1992	20	\$69,900	\$8,500	\$118,086	\$14,360
1993	17	\$60,900	\$7,800	\$99,892	\$12,794
1994	24	\$45,000	\$7,800	\$71,969	\$12,475
1995	24	\$50,400	\$8,300	\$78,384	\$12,908
1996	11	\$46,900	\$6,250	\$70,848	\$9,441
1997	13	\$41,700	\$5,950	\$61,580	\$8,787
1998	11	\$33,000	\$6,450	\$47,985	\$9,379
1999	20	\$29,800	\$4,500	\$42,396	\$6,402
2000	20	\$20,400	\$3,800	\$28,079	\$5,230
2001	3	\$17,100	\$2,550	\$22,885	\$3,413
2002	7	\$9,900	\$3,600	\$13,043	\$4,743
2003	7	\$8,600	\$3,100	\$11,078	\$3,993
2004	12	\$10,200	\$1,150	\$12,798	\$1,443
2005	19	\$14,300	\$3,650	\$17,355	\$4,430
2006	17	\$18,000	\$1,800	\$21,162	\$2,116
2007	16	\$21,300	\$3,050	\$24,348	\$3,487
2008	19	\$24,200	\$1,400	\$26,641	\$1,541
2009	16	\$26,000	\$1,100	\$28,724	\$1,215
2010	13	\$27,700	\$2,100	\$30,109	\$2,283
2011	21	\$44,000	\$6,400	\$46,363	\$6,744
2012	9	\$41,700	\$5,400	\$43,048	\$5,575
2013	18	\$40,600	\$5,000	\$41,308	\$5,087
2014	16	\$50,600	\$3,650	\$50,660	\$3,654
2015	6	\$40,000	\$900	\$40,000	\$900

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

Emergency Transfers of S01K Permits

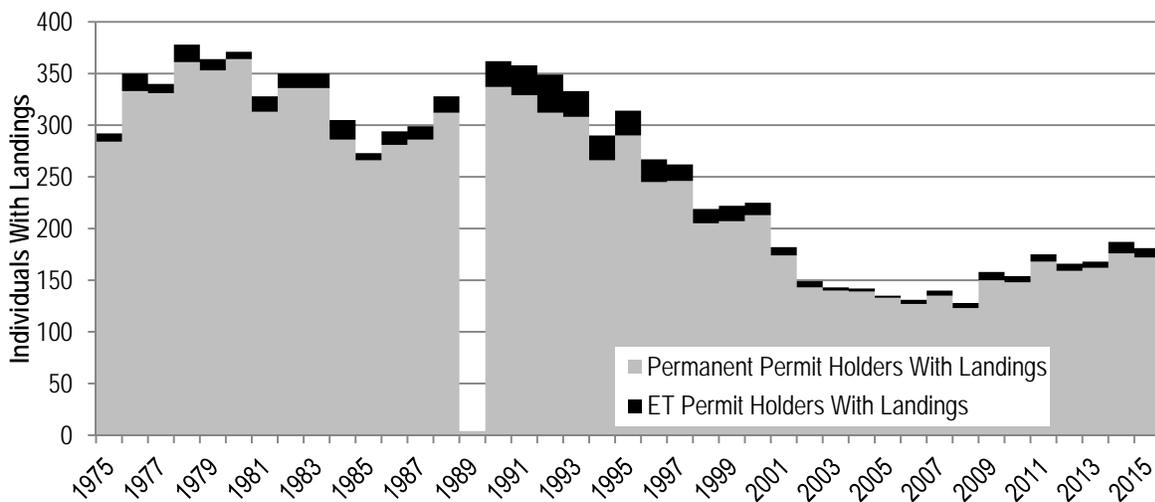
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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, 1975-2015

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	292	8	2.7%	1989	4	0	0.0%	2003	143	3	2.1%
1976	350	17	4.9%	1990	362	25	6.9%	2004	142	3	2.1%
1977	340	9	2.6%	1991	358	29	8.1%	2005	135	2	1.5%
1978	378	17	4.5%	1992	349	37	10.6%	2006	131	4	3.1%
1979	364	11	3.0%	1993	333	25	7.5%	2007	140	5	3.6%
1980	371	7	1.9%	1994	290	24	8.3%	2008	128	5	3.9%
1981	328	15	4.6%	1995	314	24	7.6%	2009	158	8	5.1%
1982	350	14	4.0%	1996	267	22	8.2%	2010	154	6	3.9%
1983	350	14	4.0%	1997	262	16	6.1%	2011	175	7	4.0%
1984	305	19	6.2%	1998	219	14	6.4%	2012	166	7	4.2%
1985	273	7	2.6%	1999	222	15	6.8%	2013	168	6	3.6%
1986	294	13	4.4%	2000	225	12	5.3%	2014	187	11	5.9%
1987	299	13	4.3%	2001	182	8	4.4%	2015	181	9	5.0%
1988	328	16	4.9%	2002	149	6	4.0%				

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



- 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.

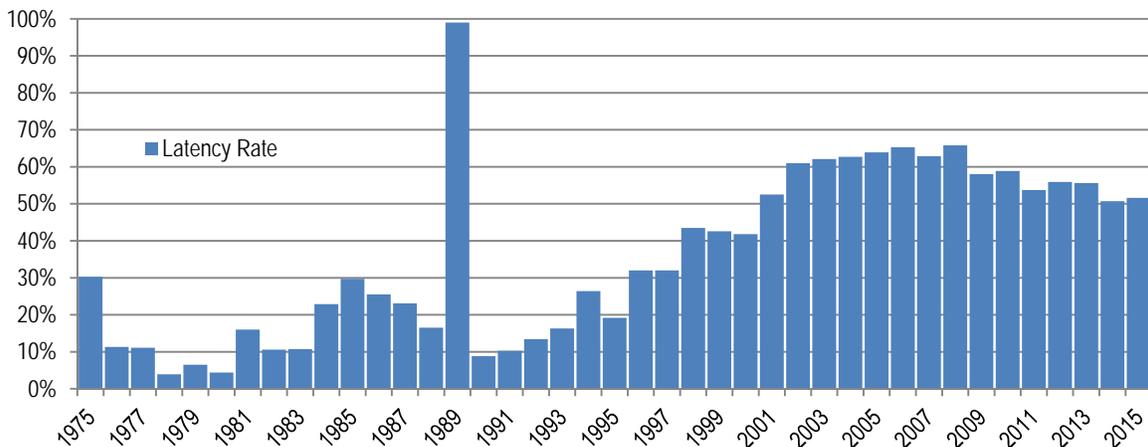
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

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

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

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

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



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

New Entrants into the 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.

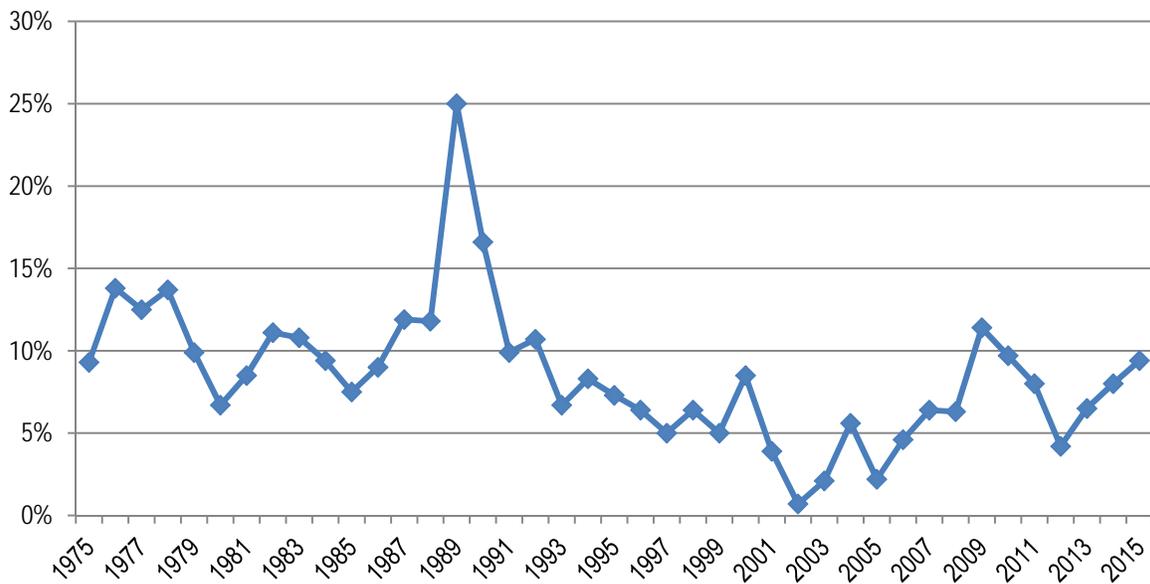
Table 9 and Figure 3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S01K permit one year, and then in subsequent years hold a different S01K permit. Likewise, individuals may enter and exit 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, 1975-2015

Individuals															
Year	w/Landings	New	Percent												
1975	225	21	9.3%	1986	289	26	9.0%	1997	262	13	5.0%	2008	128	8	6.3%
1976	326	45	13.8%	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	365	50	13.7%	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	181	7	3.9%	2012	166	7	4.2%
1980	358	24	6.7%	1991	353	35	9.9%	2002	149	1	0.7%	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	38	11.1%	1993	329	22	6.7%	2004	142	8	5.6%	2015	181	17	9.4%
1983	344	37	10.8%	1994	289	24	8.3%	2005	135	3	2.2%				
1984	299	28	9.4%	1995	313	23	7.3%	2006	131	6	4.6%				
1985	268	20	7.5%	1996	267	17	6.4%	2007	140	9	6.4%				

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

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



Age of S01K Permit Holders

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

Year	S01K	Kodiak Salmon Combined	Statewide Salmon Purse Seine	Statewide All Permits	AK Median Age
1975	43.3	42.2	44.0	42.9	24.3
1976	42.0	40.3	43.3	41.3	24.7
1977	40.4	39.4	42.5	40.5	25.1
1978	39.0	38.1	41.7	40.1	25.4
1979	39.0	38.0	41.2	40.1	25.8
1980	39.1	37.5	40.9	39.6	26.0
1981	39.7	38.2	40.9	39.5	26.4
1982	39.5	38.7	40.7	39.5	26.8
1983	39.8	38.7	40.4	39.6	27.1
1984	40.4	39.3	40.9	39.9	27.3
1985	40.3	38.8	41.2	40.1	27.5
1986	38.8	38.8	40.9	40.1	27.8
1987	38.8	38.7	40.8	40.4	28.2
1988	38.5	38.8	40.9	40.6	28.6
1989	38.5	39.4	41.1	41.0	29.0
1990	39.0	39.9	41.7	41.4	29.3
1991	39.7	40.2	41.9	41.9	29.7
1992	40.3	40.8	42.7	42.4	30.1
1993	41.1	41.5	43.2	43.0	30.5
1994	42.0	42.4	43.5	43.5	30.8
1995	42.5	43.0	43.9	43.9	31.1
1996	43.4	44.0	44.6	44.5	31.5
1997	43.8	44.4	45.5	45.0	31.8
1998	44.5	45.0	46.0	45.6	32.1
1999	45.1	45.4	46.9	46.1	32.3
2000	46.0	46.0	47.1	46.6	32.4
2001	46.7	47.0	48.1	47.0	32.7
2002	47.6	47.7	48.8	47.7	33.0
2003	48.4	48.7	49.7	48.4	33.2
2004	49.4	49.4	50.7	48.8	33.4
2005	50.2	50.1	51.4	49.3	33.6
2006	50.3	50.3	51.9	49.7	33.8
2007	51.3	51.1	52.5	50.1	33.9
2008	51.9	51.8	52.6	50.5	33.9
2009	52.8	52.8	53.5	51.1	33.9
2010	54.0	54.0	53.8	51.4	33.8
2011	54.3	53.8	53.9	51.8	33.9
2012	54.9	54.4	54.2	52.1	34.1
2013	54.8	54.4	53.9	52.4	34.3
2014	54.4	54.4	53.9	52.7	34.3
2015	55.1	54.8	54.2	53.3	34.5

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

Table 10 shows the annual median age of five different cohorts of people: 1) 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 median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), 23.2% (10.2 years) for the statewide salmon purse seine permit holders, and 29.8% (12.6 years) for the combined Kodiak salmon permit holders.

For S01K permit holders, the median age increased 27.2% (11.8 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	Vessel Count	Age				Length				Gross Tons				Net Tons				Horsepower				Hold Capacity (cubic feet)			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	372	363	4	13	22	366	31	35	38	289	12	16	23	349	9	12	17	364	125	165	215	220	325	480	780
1979	386	375	2	9	23	379	31	36	39	309	12	18	25	362	9	13	19	368	130	165	225	223	325	500	800
1980	376	365	2	8	21	370	32	37	40	317	13	18	26	355	10	14	21	357	130	175	245	230	360	588	850
1981	345	336	3	10	21	340	32	36	40	286	12	18	26	320	10	14	20	330	130	173	250	192	347	545	820
1982	341	326	4	9	20	329	33	37	41	280	14	19	26	318	10	14	21	320	130	193	263	192	390	600	850
1983	341	331	5	10	21	334	32	36	41	287	13	18	26	319	10	14	21	331	130	190	265	197	400	600	880
1984	299	289	6	10	20	291	33	38	41	253	15	19	26	276	11	14	21	288	140	200	280	177	440	600	880
1985	270	263	7	11	21	263	34	38	42	237	15	19	26	253	11	14	22	260	140	200	280	156	390	600	890
1986	280	279	8	12	22	279	34	38	42	254	14	19	26	269	11	14	22	277	140	200	280	174	400	600	945
1987	294	293	9	12	22	293	34	38	42	263	15	19	26	283	12	15	22	292	160	200	280	197	400	600	880
1988	321	320	9	13	23	320	35	38	42	293	15	20	26	311	12	15	22	318	155	210	280	213	420	600	900
1989	4	4	1	7	14	4	38	43	47	3	19	26	46	3	16	22	36	4	213	400	825	3	900	900	1,200
1990	354	353	10	13	19	354	36	39	46	324	17	24	32	332	13	17	24	348	180	250	335	240	500	715	1,000
1991	350	349	11	13	20	350	38	41	47	328	18	25	33	334	14	19	24	345	195	260	360	240	500	790	1,000
1992	333	332	12	14	21	333	38	41	47	312	18	25	32	319	14	19	24	330	200	273	360	221	500	750	1,000
1993	327	326	13	15	21	327	38	41	47	303	18	25	32	312	14	19	24	324	200	280	360	223	500	750	1,100
1994	287	286	14	16	22	287	38	41	47	268	18	25	31	271	14	19	24	283	200	280	368	199	500	750	1,000
1995	311	311	14	17	23	311	38	42	48	292	19	25	33	296	14	20	25	307	200	290	365	220	500	800	1,100
1996	260	259	15	18	22	260	38	42	48	246	19	26	35	246	15	20	25	257	220	300	400	174	516	800	1,100
1997	263	262	15	19	23	263	38	42	48	251	19	26	36	253	15	20	26	260	223	300	400	167	520	800	1,100
1998	215	215	16	20	24	215	38	42	48	203	19	25	35	202	15	20	25	213	230	300	400	139	520	800	1,100
1999	216	216	17	21	25	216	38	42	48	206	19	25	34	206	15	20	25	214	225	300	400	136	520	790	1,100
2000	219	218	18	22	25	219	38	42	48	208	19	25	34	206	15	20	25	216	240	300	400	142	520	800	1,194
2001	180	179	18	22	25	180	38	43	50	170	19	26	35	170	15	21	26	179	240	300	400	115	575	840	1,194
2002	147	146	15	23	26	147	39	44	50	137	20	26	35	137	16	21	27	144	250	320	440	92	600	845	1,197
2003	138	137	16	24	26	138	40	44	50	131	22	26	35	128	17	21	28	137	250	320	440	87	600	850	1,300
2004	137	136	16	25	27	137	42	46	51	129	24	26	37	129	17	22	27	136	280	345	540	86	650	900	1,300
2005	131	131	16	26	28	131	42	47	51	123	24	27	41	121	19	22	28	131	280	350	540	83	600	900	1,200
2006	128	128	17	27	29	128	42	48	52	122	25	29	41	117	20	22	33	128	300	355	550	87	650	1,000	1,400
2007	136	136	18	28	30	136	42	47	52	127	25	29	41	125	20	23	32	136	300	370	550	90	650	1,000	1,400
2008	125	125	19	29	31	125	42	48	52	119	25	30	41	117	20	23	30	125	300	365	550	85	650	900	1,300
2009	152	152	20	30	32	152	42	47	52	141	24	29	40	141	18	22	30	152	285	350	550	101	640	900	1,300
2010	145	145	21	30	33	145	42	47	52	136	25	30	41	135	19	23	32	145	280	350	550	100	713	1,000	1,475
2011	168	168	22	31	34	168	42	47	52	158	24	30	40	160	17	22	30	168	280	355	550	114	670	975	1,400
2012	156	156	24	33	35	156	42	47	52	147	23	28	40	147	17	22	30	155	280	350	550	105	650	950	1,400
2013	164	164	25	34	37	164	42	47	51	156	22	28	40	157	17	22	30	163	270	350	540	114	650	900	1,440
2014	178	178	26	35	38	178	42	47	52	170	23	28	41	170	17	22	30	175	270	350	525	117	600	900	1,300
2015	171	171	29	36	39	171	42	46	51	164	23	27	40	165	17	22	28	169	275	330	450	119	600	900	1,300

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

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 2015. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

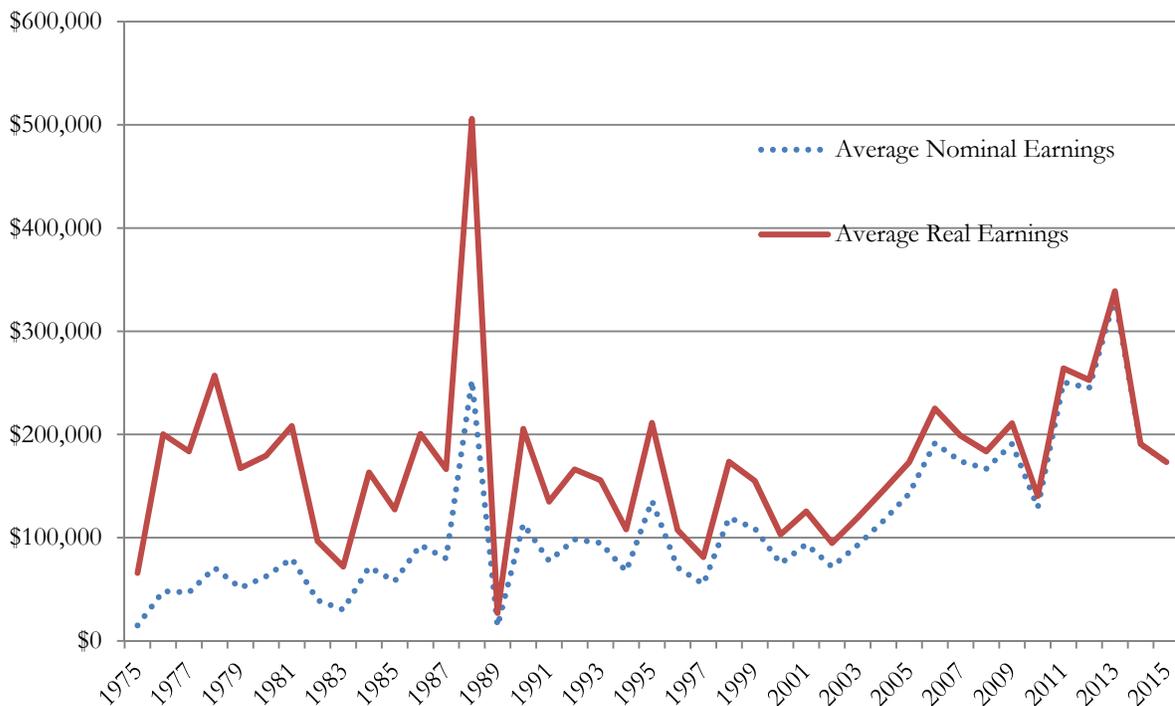
Table 14 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

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 2015 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 4. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Purse Seine Permit



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

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

Year	Issued Permits	Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	413	\$4,296,415	\$18,927,942	288	\$65,722	288	\$65,722
1976	388	\$16,537,260	\$68,885,973	344	\$200,250	340	\$202,606
1977	378	\$15,772,355	\$61,688,387	336	\$183,596	345	\$178,807
1978	387	\$26,294,974	\$95,588,280	372	\$256,958	372	\$256,958
1979	387	\$18,556,426	\$60,581,109	362	\$167,351	386	\$156,946
1980	387	\$23,074,410	\$66,371,691	370	\$179,383	376	\$176,520
1981	387	\$25,960,104	\$67,689,615	325	\$208,276	345	\$196,202
1982	386	\$13,561,501	\$33,308,874	345	\$96,547	341	\$97,680
1983	383	\$10,341,890	\$24,610,480	342	\$71,960	341	\$72,171
1984	384	\$21,181,904	\$48,320,224	296	\$163,244	299	\$161,606
1985	384	\$15,601,263	\$34,365,841	270	\$127,281	270	\$127,281
1986	385	\$26,602,950	\$57,530,577	287	\$200,455	280	\$205,466
1987	386	\$23,702,188	\$49,452,655	297	\$166,507	294	\$168,206
1988	387	\$81,526,188	\$163,339,750	323	\$505,696	321	\$508,847
1989	388	\$56,422	\$107,847	4	\$26,962	4	\$26,962
1990	388	\$40,117,467	\$72,750,739	354	\$205,511	354	\$205,511
1991	388	\$26,973,828	\$46,940,203	348	\$134,886	350	\$134,115
1992	387	\$32,960,017	\$55,681,286	335	\$166,213	333	\$167,211
1993	387	\$30,756,924	\$50,449,231	324	\$155,708	327	\$154,279
1994	387	\$19,250,419	\$30,787,291	285	\$108,026	287	\$107,273
1995	386	\$42,359,845	\$65,879,287	312	\$211,152	311	\$211,831
1996	384	\$18,551,849	\$28,024,879	261	\$107,375	260	\$107,788
1997	384	\$14,339,237	\$21,175,346	261	\$81,132	263	\$80,515
1998	384	\$25,898,030	\$37,658,119	217	\$173,540	215	\$175,154
1999	383	\$23,971,102	\$34,102,993	220	\$155,014	216	\$157,884
2000	383	\$16,714,285	\$23,005,632	223	\$103,164	219	\$105,049
2001	383	\$17,058,329	\$22,829,554	182	\$125,437	180	\$126,831
2002	382	\$10,710,425	\$14,110,911	149	\$94,704	147	\$95,993
2003	377	\$13,267,251	\$17,090,022	143	\$119,511	138	\$123,841
2004	375	\$16,283,559	\$20,431,341	140	\$145,938	137	\$149,134
2005	374	\$19,242,761	\$23,353,105	135	\$172,986	131	\$178,268
2006	375	\$24,895,666	\$29,269,325	130	\$225,149	128	\$228,667
2007	377	\$24,357,780	\$27,843,890	140	\$198,885	136	\$204,734
2008	374	\$21,343,868	\$23,496,466	128	\$183,566	125	\$187,972
2009	374	\$29,954,846	\$33,093,628	157	\$210,787	152	\$217,721
2010	375	\$19,887,085	\$21,616,361	154	\$140,366	145	\$149,078
2011	376	\$43,603,641	\$45,944,919	174	\$264,051	168	\$273,482
2012	376	\$40,657,912	\$41,972,422	166	\$252,846	156	\$269,054
2013	376	\$55,619,062	\$56,588,397	167	\$338,853	164	\$345,051
2014	373	\$35,065,519	\$35,107,141	184	\$190,800	178	\$197,231
2015	372	\$31,177,706	\$31,177,706	180	\$173,209	171	\$182,326

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.

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

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	200	\$61,826	\$12,365,195	22	\$66,506	\$1,463,141	70	\$72,852	\$5,099,606	292	\$64,822	\$18,927,942
1976	225	\$172,456	\$38,802,625	26	\$216,263	\$5,622,833	99	\$247,076	\$24,460,516	350	\$196,817	\$68,885,973
1977	223	\$172,116	\$38,381,889	29	\$198,576	\$5,758,696	88	\$199,407	\$17,547,802	340	\$181,436	\$61,688,387
1978	239	\$226,286	\$54,082,430	41	\$284,289	\$11,655,849	98	\$304,592	\$29,850,002	378	\$252,879	\$95,588,280
1979	238	\$156,150	\$37,163,608	29	\$175,361	\$5,085,469	97	\$188,990	\$18,332,033	364	\$166,432	\$60,581,109
1980	238	\$163,302	\$38,865,849	37	\$201,688	\$7,462,460	96	\$208,785	\$20,043,382	371	\$178,899	\$66,371,691
1981	225	\$185,245	\$41,680,148	26	\$230,233	\$5,986,053	77	\$260,044	\$20,023,413	328	\$206,371	\$67,689,615
1982	234	\$86,345	\$20,204,830	33	\$84,390	\$2,784,882	83	\$124,327	\$10,319,162	350	\$95,168	\$33,308,874
1983	235	\$60,357	\$14,183,956	29	\$69,508	\$2,015,730	86	\$97,800	\$8,410,794	350	\$70,316	\$24,610,480
1984	205	\$134,972	\$27,669,343	24	\$174,614	\$4,190,724	76	\$216,581	\$16,460,157	305	\$158,427	\$48,320,224
1985	186	\$115,740	\$21,527,644	24	\$108,054	\$2,593,307	63	\$162,617	\$10,244,891	273	\$125,882	\$34,365,841
1986	196	\$164,956	\$32,331,462	28	\$185,797	\$5,202,305	70	\$285,669	\$19,996,810	294	\$195,682	\$57,530,577
1987	197	\$148,328	\$29,220,647	27	\$180,255	\$4,866,879	75	\$204,868	\$15,365,129	299	\$165,393	\$49,452,655
1988	209	\$467,099	\$97,623,739	42	\$466,802	\$19,605,703	77	\$598,835	\$46,110,308	328	\$497,987	\$163,339,750
1989	1 to 3	**	**	1 to 3	**	**	1 to 3	**	**	4	\$26,962	\$107,847
1990	219	\$176,684	\$38,693,717	50	\$203,039	\$10,151,959	93	\$257,044	\$23,905,063	362	\$200,969	\$72,750,739
1991	213	\$122,599	\$26,113,602	51	\$122,559	\$6,250,509	94	\$155,065	\$14,576,092	358	\$131,118	\$46,940,203
1992	197	\$148,571	\$29,268,431	63	\$139,205	\$8,769,909	89	\$198,235	\$17,642,946	349	\$159,545	\$55,681,286
1993	199	\$140,068	\$27,873,506	50	\$150,146	\$7,507,293	84	\$179,386	\$15,068,432	333	\$151,499	\$50,449,231
1994	173	\$94,198	\$16,296,286	43	\$113,436	\$4,877,769	74	\$129,909	\$9,613,236	290	\$106,163	\$30,787,291
1995	176	\$190,520	\$33,531,526	53	\$209,639	\$11,110,887	85	\$249,846	\$21,236,875	314	\$209,807	\$65,879,287
1996	159	\$94,228	\$14,982,311	39	\$109,297	\$4,262,602	69	\$127,246	\$8,779,966	267	\$104,962	\$28,024,879
1997	149	\$76,887	\$11,456,115	39	\$74,396	\$2,901,452	74	\$92,132	\$6,817,779	262	\$80,822	\$21,175,346
1998	130	\$161,001	\$20,930,092	32	\$181,476	\$5,807,232	57	\$191,593	\$10,920,795	219	\$171,955	\$37,658,119
1999	132	\$146,006	\$19,272,842	34	\$154,409	\$5,249,913	56	\$171,076	\$9,580,238	222	\$153,617	\$34,102,993
2000	134	\$97,306	\$13,038,974	36	\$103,751	\$3,735,048	55	\$113,302	\$6,231,610	225	\$102,247	\$23,005,632
2001	110	\$118,122	\$12,993,397	29	\$151,609	\$4,396,672	43	\$126,500	\$5,439,485	182	\$125,437	\$22,829,554
2002	91	\$88,625	\$8,064,831	23	\$104,887	\$2,412,405	35	\$103,819	\$3,633,674	149	\$94,704	\$14,110,911
2003	91	\$105,103	\$9,564,347	24	\$167,614	\$4,022,741	28	\$125,105	\$3,502,934	143	\$119,511	\$17,090,022
2004	89	\$125,872	\$11,202,645	22	\$189,056	\$4,159,234	31	\$163,531	\$5,069,462	142	\$143,883	\$20,431,341
2005	80	\$159,958	\$12,796,639	22	\$232,487	\$5,114,725	33	\$164,901	\$5,441,741	135	\$172,986	\$23,353,105
2006	77	\$210,933	\$16,241,873	25	\$276,766	\$6,919,149	29	\$210,631	\$6,108,304	131	\$223,430	\$29,269,325
2007	83	\$187,388	\$15,553,197	28	\$228,503	\$6,398,076	29	\$203,194	\$5,892,618	140	\$198,885	\$27,843,890
2008	73	\$176,552	\$12,888,291	24	\$228,436	\$5,482,473	31	\$165,345	\$5,125,702	128	\$183,566	\$23,496,466
2009	86	\$204,316	\$17,571,173	36	\$227,147	\$8,177,307	36	\$204,032	\$7,345,148	158	\$209,453	\$33,093,628
2010	92	\$131,881	\$12,133,027	33	\$158,843	\$5,241,816	29	\$146,259	\$4,241,518	154	\$140,366	\$21,616,361
2011	106	\$238,349	\$25,264,941	35	\$348,819	\$12,208,677	34	\$249,156	\$8,471,301	175	\$262,542	\$45,944,919
2012	108	\$228,806	\$24,711,017	29	\$338,348	\$9,812,088	29	\$256,873	\$7,449,318	166	\$252,846	\$41,972,422
2013	109	\$312,361	\$34,047,357	35	\$391,820	\$13,713,715	24	\$367,805	\$8,827,324	168	\$336,836	\$56,588,397
2014	120	\$191,165	\$22,939,813	42	\$196,265	\$8,243,116	25	\$156,968	\$3,924,211	187	\$187,739	\$35,107,141
2015	116	\$163,261	\$18,938,312	43	\$193,612	\$8,325,305	22	\$177,913	\$3,914,089	181	\$172,253	\$31,177,706

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (**) due to reasons of confidentiality.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year. Note that these counts are for individuals, not permits.

Kodiak Salmon Purse Seine (S01K)

Table 15. Gross Real Earnings for the Kodiak Salmon Purse Seine Fishery by ADF&G Salmon District, 1975 to 2015

Year	Afgonak		Northeast		Eastside		Alitak Bay		Southwest		Northwest		Mainland		Total	
	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value
1975	84	\$1,115,686	72	\$1,349,510	89	\$2,578,526	42	\$1,457,239	22	\$271,251	215	\$9,937,524	79	\$2,218,207	288	\$18,927,942
1976	89	\$2,184,017	101	\$4,155,454	179	\$18,850,927	119	\$8,855,233	118	\$14,345,796	238	\$15,260,316	126	\$5,234,231	344	\$68,885,973
1977	95	\$1,907,538	71	\$1,557,476	218	\$19,682,005	73	\$6,491,639	134	\$3,671,187	206	\$13,838,415	144	\$14,540,126	336	\$61,688,387
1978	175	\$5,707,583	81	\$1,468,665	210	\$20,175,505	166	\$20,260,760	214	\$24,642,088	240	\$11,802,837	159	\$11,530,841	372	\$95,588,280
1979	173	\$4,812,836	84	\$2,134,501	233	\$19,978,393	125	\$11,352,027	83	\$1,257,618	278	\$16,326,033	154	\$4,719,701	362	\$60,581,109
1980	152	\$6,221,332	72	\$1,435,178	161	\$9,395,254	84	\$6,506,485	214	\$29,039,685	237	\$8,021,917	89	\$5,751,840	370	\$66,371,691
1981	185	\$8,668,408	82	\$2,275,887	166	\$17,416,557	86	\$9,847,877	120	\$3,699,449	243	\$11,860,806	150	\$13,920,630	325	\$67,689,615
1982	184	\$4,435,129	82	\$1,177,224	110	\$3,552,564	100	\$2,397,662	177	\$9,430,638	220	\$4,723,552	188	\$7,592,104	345	\$33,308,874
1983	180	\$1,659,951	73	\$495,484	195	\$3,519,712	150	\$5,546,646	121	\$680,525	255	\$5,015,460	181	\$7,692,703	342	\$24,610,480
1984	152	\$3,170,087	40	\$541,364	93	\$1,842,716	69	\$2,934,126	213	\$20,500,217	221	\$8,165,161	185	\$11,166,553	296	\$48,320,224
1985	192	\$8,120,104	57	\$574,678	73	\$830,552	118	\$5,664,737	207	\$9,476,647	205	\$5,326,191	169	\$4,372,932	270	\$34,365,841
1986	119	\$3,149,212	27	\$225,438	66	\$1,501,562	144	\$11,124,342	225	\$16,992,699	234	\$16,308,105	135	\$8,229,219	287	\$57,530,577
1987	184	\$6,854,852	83	\$1,148,082	102	\$3,885,146	147	\$7,341,346	191	\$6,136,327	227	\$9,793,760	201	\$14,293,142	297	\$49,452,655
1988	237	\$31,349,299	90	\$3,846,578	96	\$16,540,863	121	\$15,918,019	208	\$17,685,540	272	\$47,316,545	167	\$30,682,907	323	\$163,339,750
1989	0	\$0	0	\$0	0	\$0	0	\$0	4	\$107,847	0	\$0	0	\$0	4	\$107,847
1990	219	\$6,767,673	18	\$88,297	77	\$2,880,725	156	\$10,246,003	285	\$33,851,553	283	\$10,709,748	175	\$8,206,741	354	\$72,750,739
1991	161	\$2,895,480	50	\$403,965	185	\$7,275,958	185	\$8,882,885	279	\$14,331,000	257	\$6,980,771	172	\$6,170,144	348	\$46,940,203
1992	218	\$4,264,700	56	\$982,264	199	\$10,981,335	140	\$3,594,344	287	\$17,074,541	286	\$7,859,365	208	\$10,924,737	335	\$55,681,286
1993	242	\$14,531,591	39	\$398,373	177	\$7,255,990	115	\$6,416,510	228	\$6,363,195	258	\$9,782,859	150	\$5,700,713	324	\$50,449,231
1994	199	\$5,170,832	35	\$199,095	127	\$2,369,204	111	\$5,906,867	154	\$3,535,862	235	\$8,194,485	140	\$5,410,946	285	\$30,787,291
1995	212	\$10,518,039	80	\$999,520	168	\$9,326,997	149	\$14,315,890	202	\$11,294,365	243	\$15,760,969	149	\$3,663,506	312	\$65,879,287
1996	157	\$3,398,289	7	\$14,527	89	\$1,012,861	138	\$5,448,834	199	\$10,045,963	194	\$3,893,132	152	\$4,211,272	261	\$28,024,879
1997	182	\$4,222,044	40	\$237,210	100	\$2,177,077	91	\$2,949,256	163	\$3,405,080	199	\$6,267,155	118	\$1,917,524	261	\$21,175,346
1998	144	\$7,984,249	17	\$141,750	63	\$1,397,811	71	\$4,699,185	166	\$14,737,606	166	\$7,668,697	49	\$1,028,820	217	\$37,658,119
1999	146	\$5,720,901	32	\$209,421	96	\$3,043,117	50	\$2,432,691	181	\$8,853,389	176	\$7,516,481	130	\$6,326,992	220	\$34,102,993
2000	175	\$5,595,755	12	\$108,329	119	\$2,108,103	58	\$1,912,057	165	\$4,064,858	185	\$5,613,054	135	\$3,603,476	223	\$23,005,632
2001	152	\$9,623,383	12	\$50,416	74	\$1,565,394	34	\$1,827,780	138	\$3,942,185	133	\$3,033,516	90	\$2,786,880	182	\$22,829,554
2002	117	\$4,497,728	20	\$116,141	57	\$1,145,331	13	\$549,393	77	\$1,361,618	128	\$5,122,205	75	\$1,318,495	149	\$14,110,911
2003	109	\$5,199,180	12	\$52,906	46	\$1,275,074	22	\$716,862	82	\$2,528,906	130	\$6,179,988	82	\$1,137,106	143	\$17,090,022
2004	106	\$4,129,156	21	\$155,736	48	\$885,571	32	\$2,318,828	87	\$5,281,779	118	\$6,190,300	53	\$1,469,971	140	\$20,431,341
2005	102	\$7,216,861	10	\$26,922	63	\$3,498,019	40	\$3,477,038	58	\$1,422,524	109	\$4,120,321	77	\$3,591,421	135	\$23,353,105
2006	96	\$4,399,854	25	\$261,084	57	\$3,719,675	24	\$2,052,584	69	\$3,569,861	117	\$13,004,314	55	\$2,261,953	130	\$29,269,325
2007	114	\$9,335,709	24	\$352,746	64	\$5,822,388	16	\$586,229	74	\$5,630,344	115	\$4,608,493	54	\$1,507,981	140	\$27,843,890
2008	108	\$5,117,377	10	\$95,135	60	\$3,624,308	41	\$3,267,934	65	\$3,138,284	102	\$5,804,734	29	\$2,448,694	128	\$23,496,466
2009	133	\$11,224,752	55	\$1,353,814	97	\$7,213,282	50	\$5,470,013	30	\$635,656	113	\$4,795,528	34	\$2,400,583	157	\$33,093,628
2010	143	\$8,558,727	8	\$27,015	55	\$2,130,248	27	\$405,233	68	\$3,006,232	125	\$4,251,164	73	\$3,237,742	154	\$21,616,361
2011	122	\$6,297,862	72	\$1,726,205	144	\$16,779,153	73	\$9,014,756	60	\$2,042,493	103	\$2,489,386	90	\$7,595,065	174	\$45,944,919
2012	133	\$11,223,765	21	\$357,215	88	\$3,453,207	57	\$3,996,488	86	\$6,030,619	138	\$12,850,304	67	\$4,060,824	166	\$41,972,422
2013	140	\$18,793,619	50	\$1,239,593	115	\$11,884,283	62	\$4,568,701	89	\$6,380,286	125	\$7,787,703	81	\$5,934,212	167	\$56,588,397
2014	163	\$11,644,794	13	\$69,046	84	\$1,780,203	48	\$1,745,783	123	\$11,487,334	155	\$5,703,271	72	\$2,676,710	184	\$35,107,141
2015	130	\$4,664,816	49	\$728,747	86	\$4,577,305	51	\$4,880,115	117	\$5,915,422	151	\$8,482,057	41	\$1,929,244	180	\$31,177,706

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.

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 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Percent Change</i>		<i>Percent Change</i>		<i>Percent Change</i>		<i>Total</i>	<i>Percentage</i>
			<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>	<i>Change</i>	<i>from Initial</i>		
Local	31	86.1%	-8	-25.8%	-5	-16.1%	-3	-9.7%	15	48.4%
Nonlocal	3	8.3%	-1	-33.3%	4	133.3%	0	0.0%	6	19.4%
Nonresident	2	5.6%	9	450.0%	1	50.0%	-2	-100.0%	10	32.3%
Total	36	100.0%	0	0.0%	0	0.0%	-5	-13.9%	31	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, 1980-2015

Acquisition Method	S02K Permit		Kodiak Combined Salmon		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	36	32.7%	905	44.6%	13,007	36.1%
<i>Sale</i>	70	63.6%	1,006	49.6%	21,327	59.2%
<i>Trade</i>	3	2.7%	27	1.3%	498	1.4%
<i>Other</i>	1	0.9%	92	4.5%	1,185	3.3%
Total	110		2,030		36,017	

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 2015. Over half of all S02K transfers were sales (63.6% or 70/110), about one third are gifts (32.7% or 36/110), and a smaller percentage were trades (2.7% or 3/110) or other (0.9% 1/110). 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, 1980-2015

Relationship	S02K Permit		Kodiak Combined Salmon		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	32	29.1%	467	23.0%	6,632	18.4%
<i>Member of Immediate Family</i>	29	26.4%	729	35.9%	12,153	33.7%
<i>Other Relative</i>	4	3.6%	131	6.5%	1,683	4.7%
<i>Other</i>	45	40.9%	703	34.6%	15,549	43.2%
Total	110		2,030		36,017	

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 2015. Transfers within the family, both between immediate family members and other relatives, total 30.0% (33/110) of all permit transfers for S02K permits compared to 42.4% (860/2,030) for all three Kodiak salmon permit types combined, and 38.4% (13,836/36,017) 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, 1975-2015*, 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
1987	5	\$25,096	-	\$52,361	-
1988	5	\$28,400	-	\$56,900	-
1989	6	\$34,833	-	\$66,581	-
1990	3	\$46,000	-	\$83,418	-
1991	2	\$41,000	\$15,000	\$71,349	\$26,103
1992	1	\$39,000	\$17,650	\$65,885	\$29,817
1993	0	\$39,000	\$17,650	\$63,970	\$28,951
1994	2	\$20,300	\$7,150	\$32,466	\$11,435
1995	1	\$18,000	\$3,550	\$27,994	\$5,521
1996	1	\$16,400	\$3,800	\$24,774	\$5,740
1997	0	\$16,400	\$3,800	\$24,219	\$5,612
1998	0	\$16,400	\$3,800	\$23,847	\$5,526
1999	0	\$16,400	\$3,800	\$23,332	\$5,406
2000	0	\$16,400	\$3,800	\$22,573	\$5,230
2001	0	\$16,400	\$3,800	\$21,948	\$5,086
2002	0	\$16,400	\$3,800	\$21,607	\$5,006
2003	0	\$16,400	\$3,800	\$21,125	\$4,895
2004	0	\$16,400	\$3,800	\$20,577	\$4,768
2005	1	\$14,100	\$7,400	\$17,112	\$8,981
2006	1	\$10,500	\$8,400	\$12,345	\$9,876
2007	1	\$6,100	\$4,900	\$6,973	\$5,601
2008	1	\$3,500	\$400	\$3,853	\$440
2009	1	\$3,500	\$400	\$3,867	\$442
2010	0	\$3,500	\$400	\$3,804	\$435
2011	5	\$7,000	\$2,850	\$7,376	\$3,003
2012	1	\$7,500	\$3,000	\$7,742	\$3,097
2013	1	\$6,800	\$3,750	\$6,919	\$3,815
2014	2	\$4,500	\$1,300	\$4,505	\$1,302
2015	0	\$4,500	\$1,300	\$4,500	\$1,300

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

Emergency Transfers of S02K Permits

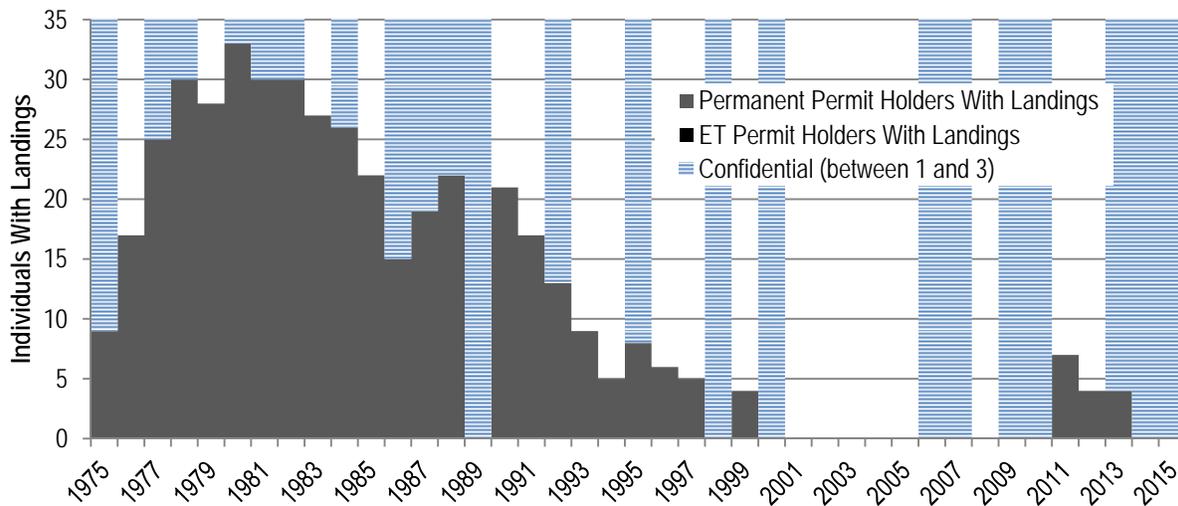
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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, 1975-2015

Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET	Year	Individuals With Landings	ET Permit Holders With Landings	Rate ET
1975	9	1 to 3	11.1%	1989	1 to 3	0	0.0%	2003	0	0	-
1976	17	0	0.0%	1990	21	0	0.0%	2004	0	0	-
1977	25	1 to 3	4.0%	1991	17	0	0.0%	2005	0	0	-
1978	30	1 to 3	6.7%	1992	13	1 to 3	15.4%	2006	1 to 3	0	0.0%
1979	28	0	0.0%	1993	9	0	0.0%	2007	1 to 3	0	0.0%
1980	33	1 to 3	9.1%	1994	5	0	0.0%	2008	0	0	-
1981	30	1 to 3	3.3%	1995	8	1 to 3	12.5%	2009	1 to 3	1 to 3	100.0%
1982	30	1 to 3	3.3%	1996	6	0	0.0%	2010	1 to 3	1 to 3	50.0%
1983	27	0	0.0%	1997	5	0	0.0%	2011	7	0	0.0%
1984	26	1 to 3	7.7%	1998	1 to 3	0	0.0%	2012	4	0	0.0%
1985	22	0	0.0%	1999	4	0	0.0%	2013	4	1 to 3	25.0%
1986	15	1 to 3	6.7%	2000	1 to 3	1 to 3	50.0%	2014	1 to 3	0	0.0%
1987	19	1 to 3	10.5%	2001	0	0	-	2015	1 to 3	0	0.0%
1988	22	1 to 3	4.5%	2002	0	0	-				

Figure 5. Use of Emergency Transfer Permits in the Kodiak Salmon Beach Seine Fishery, 1975-2015



- Permanent Permit Holders displays a count of three when one to three individuals with permanently held permits made landings.
- Individuals with landings and/or ET permit holders with landings are masked for confidentiality when only 1 to 3 individuals participated in the fishery.

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.

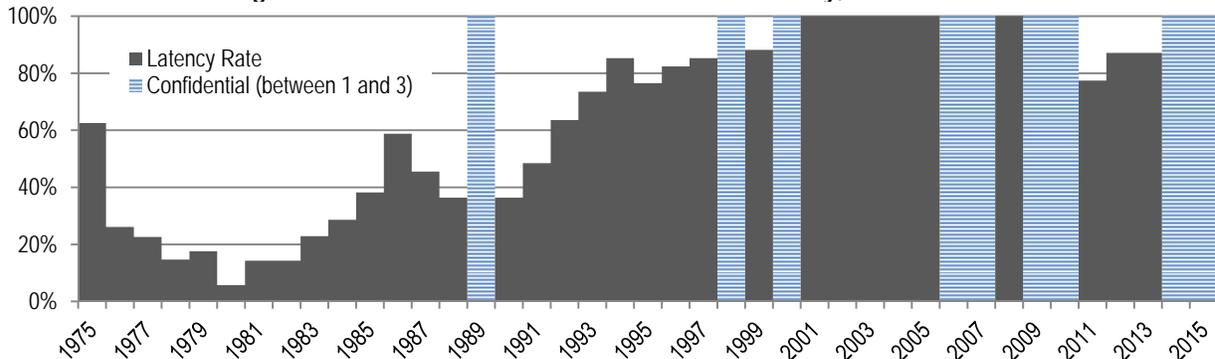
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons, but simply estimate the rate of permit latency.

Table 21. Kodiak Salmon Beach Seine Permit Latency, 1975-2015

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



- The 1989 fishing season was cut short due to the Exxon Valdez oil spill that occurred that year.
- Values are masked for confidentiality when only 1 to 3 individuals participated in the fishery.

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.

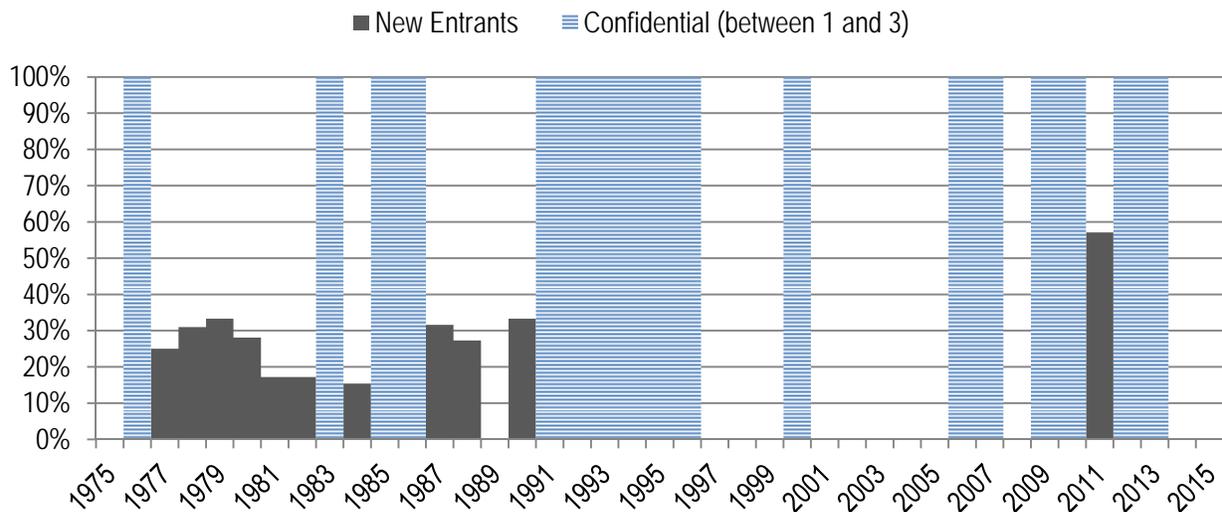
Table 22 and Figure 7 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may hold one S02K permit one year, and then in subsequent years hold a different S02K permit. Likewise, individuals may enter and exit 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, 1975-2015

Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent	Year	Individuals w/Landings	New	New Percent
1975	7	0	0.0%	1986	15	1 to 3	**	1997	5	0	0.0%	2008	0	0	-
1976	17	1 to 3	**	1987	19	6	31.6%	1998	1 to 3	0	**	2009	1 to 3	1 to 3	**
1977	24	6	25.0%	1988	22	6	27.3%	1999	4	0	0.0%	2010	1 to 3	1 to 3	**
1978	29	9	31.0%	1989	1 to 3	0	**	2000	1 to 3	1 to 3	**	2011	7	4	57.1%
1979	27	9	33.3%	1990	21	7	33.3%	2001	0	0	-	2012	4	1 to 3	**
1980	32	9	28.1%	1991	17	1 to 3	**	2002	0	0	-	2013	4	1 to 3	**
1981	29	5	17.2%	1992	13	1 to 3	**	2003	0	0	-	2014	1 to 3	0	**
1982	29	5	17.2%	1993	9	1 to 3	**	2004	0	0	-	2015	1 to 3	0	**
1983	26	1 to 3	**	1994	5	1 to 3	**	2005	0	0	-				
1984	26	4	15.4%	1995	8	1 to 3	**	2006	1 to 3	1 to 3	**				
1985	22	1 to 3	**	1996	6	1 to 3	**	2007	1 to 3	1 to 3	**				

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

Figure 7. New Entrants into the Kodiak Salmon Beach Seine Fishery, 1975-2015



- Values are masked for confidentiality when only 1 to 3 individuals participated in the fishery.

Age of S02K Permit Holders

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

Year	S02K	Kodiak Salmon Combined	Statewide All Permits	AK Median Age
1975	37.9	42.2	42.9	24.3
1976	38.9	40.3	41.3	24.7
1977	38.7	39.4	40.5	25.1
1978	35.9	38.1	40.1	25.4
1979	36.4	38.0	40.1	25.8
1980	32.4	37.5	39.6	26.0
1981	33.3	38.2	39.5	26.4
1982	34.8	38.7	39.5	26.8
1983	35.8	38.7	39.6	27.1
1984	36.8	39.3	39.9	27.3
1985	37.8	38.8	40.1	27.5
1986	38.3	38.8	40.1	27.8
1987	39.8	38.7	40.4	28.2
1988	38.8	38.8	40.6	28.6
1989	39.8	39.4	41.0	29.0
1990	40.8	39.9	41.4	29.3
1991	41.7	40.2	41.9	29.7
1992	40.8	40.8	42.4	30.1
1993	42.0	41.5	43.0	30.5
1994	43.0	42.4	43.5	30.8
1995	44.0	43.0	43.9	31.1
1996	44.6	44.0	44.5	31.5
1997	45.6	44.4	45.0	31.8
1998	46.6	45.0	45.6	32.1
1999	47.0	45.4	46.1	32.3
2000	48.0	46.0	46.6	32.4
2001	49.0	47.0	47.0	32.7
2002	50.0	47.7	47.7	33.0
2003	51.4	48.7	48.4	33.2
2004	52.0	49.4	48.8	33.4
2005	52.5	50.1	49.3	33.6
2006	51.8	50.3	49.7	33.8
2007	52.8	51.1	50.1	33.9
2008	53.7	51.8	50.5	33.9
2009	53.6	52.8	51.1	33.9
2010	55.7	54.0	51.4	33.8
2011	53.9	53.8	51.8	33.9
2012	54.9	54.4	52.1	34.1
2013	55.9	54.4	52.4	34.3
2014	56.2	54.4	52.7	34.3
2015	57.1	54.8	53.3	34.5

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

Table 23 shows the annual median age of 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 median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), and 29.8% (12.6 years) for the combined Kodiak salmon permit holders.

For S02K permit holders, the median age increased 50.4% (19.1 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	Vessel Count	Age				Length				Gross Tons				Net Tons				Horsepower				Hold Capacity (cubic feet)			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%
1978	37	28	2	5	14	28	16	19	24	17	1	3	8	15	1	5	8	26	40	50	90	70	72	255	600
1979	31	26	2	4	8	26	16	19	24	10	1	4	5	13	1	3	5	23	40	50	96	6	32	61	360
1980	40	30	2	4	7	31	17	19	27	16	2	5	6	11	1	4	8	27	40	50	106	8	31	205	500
1981	37	28	2	4	8	30	16	21	27	16	2	4	6	15	1	3	5	28	40	50	93	7	30	40	500
1982	36	29	2	5	8	30	19	21	24	14	1	4	5	12	2	3	5	28	40	53	88	9	40	50	240
1983	28	24	4	7	9	24	20	24	28	11	1	5	5	10	2	3	5	23	40	55	135	10	40	160	360
1984	28	19	3	8	10	19	19	22	28	8	2	5	7	7	2	3	7	19	40	70	106	8	45	160	480
1985	24	21	4	9	11	21	18	22	28	11	3	5	9	11	3	5	7	20	40	55	98	8	55	230	480
1986	17	13	5	8	12	13	18	20	23	8	3	4	5	5	2	2	3	13	35	50	65	6	30	65	100
1987	19	19	6	12	20	19	18	21	28	14	2	3	6	10	2	3	8	19	40	65	135	8	55	150	600
1988	23	18	5	8	14	18	18	20	22	8	2	3	4	8	1	2	3	18	35	50	70	6	30	70	100
1989	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	0	.	.	.	1 to 3	**	**	**	0	.	.	.
1990	22	21	6	10	11	27	20	22	23	7	1	3	8	7	2	3	5	27	40	55	85	6	30	135	365
1991	18	15	8	11	17	16	20	23	24	9	4	5	5	8	3	4	5	16	55	78	120	6	50	195	360
1992	13	11	8	11	18	11	20	22	24	5	5	5	8	5	3	3	4	11	55	85	140	5	90	200	550
1993	9	8	8	12	17	8	20	22	24	3	3	5	6	3	2	3	5	8	45	55	68	2	90	195	300
1994	5	5	11	14	22	5	22	22	25	3	3	6	12	3	2	5	9	4	48	83	135	3	90	300	325
1995	8	8	7	13	19	8	18	22	31	4	5	8	11	4	4	5	7	7	50	90	160	4	195	313	963
1996	6	6	13	14	24	6	20	22	22	3	3	3	12	3	2	2	9	5	40	55	75	3	90	250	325
1997	5	5	14	14	16	5	22	22	23	1	12	12	12	1	9	9	9	5	55	90	110	2	90	208	325
1998	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**
1999	4	4	16	18	24	4	22	22	23	2	3	4	4	2	1	2	2	4	40	48	68	1	90	90	90
2000	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	0	.	.	.	0	.	.	.	1 to 3	**	**	**	1 to 3	**	**	**
2001	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0	0	0	0	0	0	0	0
2006	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
2007	4	3	25	25	31	3	20	30	32	2	3	3	3	1	2	2	2	3	10	115	230	2	128	189	250
2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	0	.	.	.	0	.	.	.	1 to 3	**	**	**	0	.	.	.
2010	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**
2011	6	6	26	31	39	6	20	25	35	3	3	8	13	3	2	5	11	4	70	108	183	3	250	500	5,000
2012	5	5	30	35	40	5	27	28	32	4	7	10	13	4	5	7	9	5	100	130	225	3	70	500	3,600
2013	4	4	25	36	41	4	26	30	34	3	9	13	14	3	8	9	11	3	100	200	300	2	70	295	520
2014	4	3	32	42	42	3	27	32	35	3	11	13	14	3	9	9	11	2	130	215	300	1	70	70	70
2015	1 to 3	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**	1 to 3	**	**	**

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	Vessel Count	Engine Power					Hull Material								
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Steel	Wood						
1978	31	29	5	17.2%	24	82.8%	30	3	10.0%	9	30.0%	0	0.0%	18	60.0%
1979	31	25	4	16.0%	21	84.0%	27	7	25.9%	7	25.9%	0	0.0%	13	48.1%
1980	40	29	5	17.2%	24	82.8%	31	8	25.8%	9	29.0%	0	0.0%	14	45.2%
1981	37	29	6	20.7%	23	79.3%	30	9	30.0%	7	23.3%	0	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	0.0%	13	100.0%	13	3	23.1%	0	0.0%	0	0.0%	10	76.9%
1987	19	19	3	15.8%	16	84.2%	19	4	21.1%	2	10.5%	0	0.0%	13	68.4%
1988	23	18	0	0.0%	18	100.0%	18	8	44.4%	1	5.6%	0	0.0%	9	50.0%
1989	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**
1990	22	21	2	9.5%	19	90.5%	21	13	61.9%	3	14.3%	0	0.0%	5	23.8%
1991	18	16	2	12.5%	14	87.5%	15	9	60.0%	1	6.7%	0	0.0%	5	33.3%
1992	13	11	2	18.2%	9	81.8%	11	6	54.5%	1	9.1%	0	0.0%	4	36.4%
1993	9	8	0	0.0%	8	100.0%	8	5	62.5%	0	0.0%	0	0.0%	3	37.5%
1994	5	5	1	20.0%	4	80.0%	5	2	40.0%	0	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	0.0%	3	37.5%
1996	6	5	1	20.0%	4	80.0%	6	3	50.0%	0	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	0.0%	2	40.0%
1998	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**
1999	4	4	0	0.0%	4	100.0%	4	2	50.0%	0	0.0%	0	0.0%	2	50.0%
2000	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**
2001	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2002	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2003	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2004	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2005	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2006	1 to 3	0	0	-	0	-	1 to 3	**	**	**	**	**	**	**	**
2007	4	3	1	33.3%	2	66.7%	3	1	33.3%	2	66.7%	0	0.0%	0	0.0%
2008	0	0	0	-	0	-	0	0	-	0	-	0	-	0	-
2009	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**
2010	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**
2011	6	6	2	33.3%	4	66.7%	6	3	50.0%	1	16.7%	0	0.0%	2	33.3%
2012	5	5	3	60.0%	2	40.0%	5	3	60.0%	1	20.0%	0	0.0%	1	20.0%
2013	4	4	3	75.0%	1	25.0%	4	2	50.0%	1	25.0%	0	0.0%	1	25.0%
2014	4	3	3	100.0%	0	0.0%	3	1	33.3%	1	33.3%	0	0.0%	1	33.3%
2015	1 to 3	1 to 3	**	**	**	**	1 to 3	**	**	**	**	**	**	**	**

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 2015. Note that the figures by permit or vessel in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

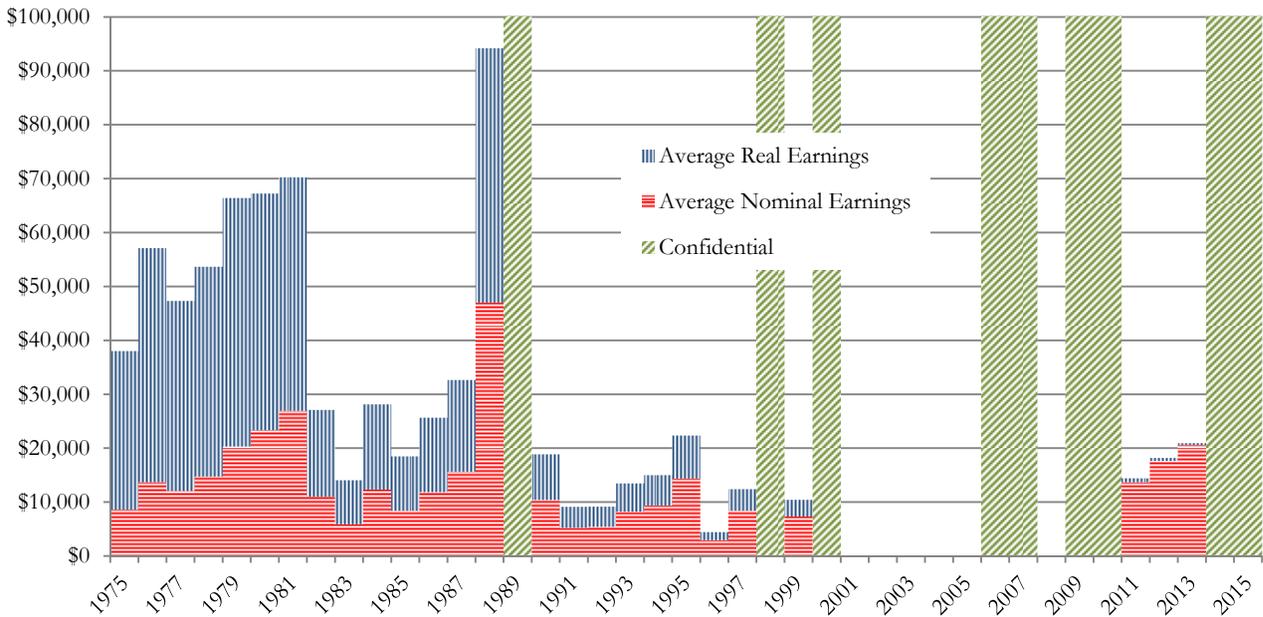
Table 27 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

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 2015 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 8. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Beach Seine Permit



- Real earnings are adjusted for inflation using the 2015 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, 1975-2015

Year	Issued Permits	Gross Earnings		Permits With Landings	Average Real Earnings	Vessels With Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	24	\$77,715	\$342,376	9	\$38,042	10	\$34,238
1976	23	\$233,139	\$971,140	17	\$57,126	18	\$53,952
1977	31	\$290,572	\$1,136,477	24	\$47,353	25	\$45,459
1978	34	\$428,377	\$1,557,250	29	\$53,698	31	\$50,234
1979	34	\$569,747	\$1,860,051	28	\$66,430	31	\$60,002
1980	35	\$771,721	\$2,219,794	33	\$67,266	40	\$55,495
1981	35	\$808,386	\$2,107,825	30	\$70,261	36	\$58,551
1982	35	\$331,154	\$813,358	30	\$27,112	36	\$22,593
1983	35	\$159,783	\$380,234	27	\$14,083	28	\$13,580
1984	35	\$308,513	\$703,781	25	\$28,151	28	\$25,135
1985	34	\$176,498	\$388,784	21	\$18,514	24	\$16,199
1986	34	\$166,303	\$359,641	14	\$25,689	17	\$21,155
1987	33	\$281,953	\$588,271	18	\$32,682	19	\$30,962
1988	33	\$987,351	\$1,978,183	21	\$94,199	23	\$86,008
1989	33	**	**	1 to 3	**	1 to 3	**
1990	33	\$218,900	\$396,962	21	\$18,903	22	\$18,044
1991	33	\$89,363	\$155,511	17	\$9,148	18	\$8,639
1992	33	\$65,237	\$110,209	12	\$9,184	13	\$8,478
1993	34	\$74,073	\$121,499	9	\$13,500	9	\$13,500
1994	34	\$46,961	\$75,105	5	\$15,021	5	\$15,021
1995	34	\$115,100	\$179,007	8	\$22,376	8	\$22,376
1996	34	\$17,723	\$26,773	6	\$4,462	6	\$4,462
1997	34	\$42,093	\$62,161	5	\$12,432	5	\$12,432
1998	34	**	**	1 to 3	**	1 to 3	**
1999	34	\$29,367	\$41,780	4	\$10,445	4	\$10,445
2000	34	**	**	1 to 3	**	1 to 3	**
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	**	**	1 to 3	**	1 to 3	**
2007	31	**	**	1 to 3	**	4	**
2008	31	\$0	\$0	0	\$0	0	\$0
2009	31	**	**	1 to 3	**	1 to 3	**
2010	31	**	**	1 to 3	**	1 to 3	**
2011	31	\$95,959	\$101,111	7	\$14,444	6	\$16,852
2012	31	\$70,574	\$72,856	4	\$18,214	5	\$14,571
2013	31	\$82,402	\$83,838	4	\$20,959	4	\$20,959
2014	31	**	**	1 to 3	**	4	**
2015	31	**	**	1 to 3	**	1 to 3	**

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- 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, 1975-2015

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	**	**	**	0	\$0	\$0	1 to 3	**	**	9	\$38,042	\$342,376
1976	**	**	**	0	\$0	\$0	1 to 3	**	**	17	\$57,126	\$971,140
1977	19	\$52,864	\$1,004,418	1 to 3	**	**	1 to 3	**	**	25	\$45,459	\$1,136,477
1978	26	\$55,646	\$1,446,784	1 to 3	**	**	1 to 3	**	**	30	\$51,908	\$1,557,250
1979	24	\$72,736	\$1,745,673	1 to 3	**	**	1 to 3	**	**	28	\$66,430	\$1,860,051
1980	27	\$66,167	\$1,786,503	**	**	**	1 to 3	**	**	33	\$67,266	\$2,219,794
1981	25	\$72,969	\$1,824,220	**	**	**	1 to 3	**	**	30	\$70,261	\$2,107,825
1982	24	\$29,747	\$713,928	**	**	**	1 to 3	**	**	30	\$27,112	\$813,358
1983	23	\$13,533	\$311,270	1 to 3	**	**	1 to 3	**	**	27	\$14,083	\$380,234
1984	21	\$29,050	\$610,042	1 to 3	**	**	1 to 3	**	**	26	\$27,068	\$703,781
1985	19	\$18,424	\$350,049	1 to 3	**	**	1 to 3	**	**	22	\$17,672	\$388,784
1986	10	\$26,958	\$269,582	**	**	**	1 to 3	**	**	15	\$23,976	\$359,641
1987	17	\$30,619	\$520,516	1 to 3	**	**	1 to 3	**	**	19	\$30,962	\$588,271
1988	19	\$67,514	\$1,282,766	1 to 3	**	**	1 to 3	**	**	22	\$89,917	\$1,978,183
1989	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
1990	17	\$17,168	\$291,859	1 to 3	**	**	1 to 3	**	**	21	\$18,903	\$396,962
1991	**	**	**	1 to 3	**	**	0	\$0	\$0	17	\$9,148	\$155,511
1992	**	**	**	1 to 3	**	**	0	\$0	\$0	13	\$8,478	\$110,209
1993	**	**	**	1 to 3	**	**	0	\$0	\$0	9	\$13,500	\$121,499
1994	5	\$15,021	\$75,105	0	\$0	\$0	0	\$0	\$0	5	\$15,021	\$75,105
1995	**	**	**	1 to 3	**	**	0	\$0	\$0	8	\$22,376	\$179,007
1996	6	\$4,462	\$26,773	0	\$0	\$0	0	\$0	\$0	6	\$4,462	\$26,773
1997	**	**	**	1 to 3	**	**	0	\$0	\$0	5	\$12,432	\$62,161
1998	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
1999	4	\$10,445	\$41,780	0	\$0	\$0	0	\$0	\$0	4	\$10,445	\$41,780
2000	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
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 to 3	**	**	1 to 3	**	**
2007	1 to 3	**	**	0	\$0	\$0	1 to 3	**	**	1 to 3	**	**
2008	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0	0	\$0	\$0
2009	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
2010	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
2011	**	**	**	0	\$0	\$0	1 to 3	**	**	7	\$14,444	\$101,111
2012	1 to 3	**	**	0	\$0	\$0	1 to 3	**	**	4	\$18,214	\$72,856
2013	1 to 3	**	**	0	\$0	\$0	1 to 3	**	**	4	\$20,959	\$83,838
2014	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**
2015	1 to 3	**	**	0	\$0	\$0	0	\$0	\$0	1 to 3	**	**

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- When fewer than four permits make landings, earnings are masked (**) due to reasons of confidentiality.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- Note that these counts are for individuals, not permits.
- 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 2015

Year	Afognak		Northeast		Eastside		Alitak Bay		Southwest		Northwest		Mainland		Total	
	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value
1975	0	\$0	1 to 3	**	0	\$0	1 to 3	**	1 to 3	**	5	\$196,753	0	\$0	9	\$342,376
1976	0	\$0	4	\$90,042	1 to 3	**	1 to 3	**	5	\$174,271	9	\$447,209	0	\$0	17	\$971,140
1977	6	\$68,223	9	\$179,902	5	\$98,370	1 to 3	**	7	\$112,029	15	\$629,166	1 to 3	**	24	\$1,136,477
1978	10	\$198,154	8	\$152,100	7	\$158,821	6	\$276,568	6	\$338,913	15	\$432,693	0	\$0	29	\$1,557,250
1979	8	\$318,016	8	\$107,341	6	\$351,431	11	\$392,042	8	\$150,959	16	\$494,583	1 to 3	**	28	\$1,860,051
1980	12	\$347,697	6	\$116,444	1 to 3	**	11	\$623,529	8	\$397,006	15	\$523,053	1 to 3	**	33	\$2,219,794
1981	10	\$597,232	7	\$201,096	5	\$61,839	8	\$604,567	1 to 3	**	17	\$564,743	1 to 3	**	30	\$2,107,825
1982	11	\$333,008	9	\$116,852	4	\$37,746	9	\$105,166	4	\$57,203	14	\$144,497	4	\$18,887	30	\$813,358
1983	7	\$38,293	8	\$49,592	3	\$20,841	8	\$133,048	1 to 3	**	13	\$115,568	1 to 3	**	27	\$380,234
1984	7	\$175,131	5	\$88,093	4	\$45,889	6	\$174,223	4	\$15,748	11	\$175,609	1 to 3	**	25	\$703,781
1985	9	\$93,680	7	\$27,136	1 to 3	**	6	\$99,307	1 to 3	**	12	\$125,583	1 to 3	**	21	\$388,784
1986	1 to 3	**	1 to 3	**	1 to 3	**	1 to 3	**	1 to 3	**	9	\$232,817	1 to 3	**	14	\$359,641
1987	1 to 3	**	5	\$152,583	1 to 3	**	5	\$74,175	5	\$60,624	11	\$191,939	0	\$0	18	\$588,271
1988	1 to 3	**	5	\$334,535	6	\$226,106	1 to 3	**	4	\$22,259	15	\$989,943	1 to 3	**	21	\$1,978,783
1989	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	0	\$0	1 to 3	**
1990	11	\$59,433	6	\$27,840	1 to 3	**	1 to 3	**	0	\$0	14	\$215,413	1 to 3	**	21	\$396,962
1991	5	\$23,784	5	\$36,566	1 to 3	**	1 to 3	**	0	\$0	10	\$61,802	0	\$0	17	\$155,511
1992	5	\$34,103	1 to 3	**	4	\$31,954	1 to 3	**	1 to 3	**	4	\$26,940	0	\$0	12	\$110,209
1993	1 to 3	**	4	\$5,904	1 to 3	**	1 to 3	**	0	\$0	5	\$98,623	0	\$0	9	\$121,499
1994	1 to 3	**	1 to 3	**	0	\$0	0	\$0	0	\$0	4	\$69,117	0	\$0	5	\$75,105
1995	1 to 3	**	1 to 3	**	1 to 3	**	0	\$0	0	\$0	1 to 3	**	0	\$0	8	\$179,007
1996	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	5	\$21,784	0	\$0	6	\$26,773
1997	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	4	**	0	\$0	5	\$62,167
1998	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	1 to 3	**
1999	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	4	**	0	\$0	4	\$41,780
2000	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	1 to 3	**
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 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**
2007	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	1 to 3	**
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 to 3	**	0	\$0	1 to 3	**
2010	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$57,294	0	\$0	1 to 3	**
2011	1 to 3	**	1 to 3	**	1 to 3	**	0	\$0	0	\$0	5	\$65,333	0	\$0	7	\$101,111
2012	1 to 3	**	1 to 3	**	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	4	\$72,856
2013	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	4	\$83,838
2014	1 to 3	**	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	1 to 3	**
2015	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1 to 3	**	0	\$0	1 to 3	**

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

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 2015 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		2015 YEAR-END	
<i>Residency</i>	<i>Total</i>	<i>Percent</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Change</i>	<i>Percent Change from Initial</i>	<i>Total</i>	<i>Percentage</i>
Local	123	65.4%	37	30.1%	-53	-43.1%	0	0.0%	107	56.9%
Nonlocal	14	7.4%	0	0.0%	11	78.6%	0	0.0%	25	13.3%
Nonresident	51	27.1%	-37	-72.5%	42	82.4%	0	0.0%	56	29.8%
Total	188	100.0%	0	0.0%	0	0.0%	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, 1980-2015

Acquisition Method	S04K Permits		Kodiak Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Gift</i>	585	64.8%	905	44.6%	6,481	55.9%	13,007	36.1%
<i>Sale</i>	258	28.6%	1,006	49.6%	4,570	39.4%	21,327	59.2%
<i>Trade</i>	8	0.9%	27	1.3%	96	0.8%	498	1.4%
<i>Other</i>	52	5.8%	92	4.5%	452	3.9%	1,185	3.3%
Total	903		2,030		11,599		36,017	

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 2015. The majority of S04K permit transfers were gifts (64.8% or 585/903), then sales (28.6% or 258/903), and a smaller percentage were trades (0.9% or 8/903) or other (5.8% or 52/903). 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, 1980-2015

Relationship	S04K Permits		Kodiak Combined Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
<i>Business Partner/Friend</i>	233	25.8%	467	23.0%	2,190	18.9%	6,632	18.4%
<i>Member of Immediate Family</i>	435	48.2%	729	35.9%	5,624	48.5%	12,153	33.7%
<i>Other Relative</i>	83	9.2%	131	6.5%	838	7.2%	1,683	4.7%
<i>Other</i>	152	16.8%	703	34.6%	2,947	25.4%	15,549	43.2%
Total	903		2,030		11,599		36,017	

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 2015. Permit transfers between immediate family members and other relatives total 57.4% (518/903) of all transfers of S04K permits, compared to 42.4% (860/2,030) for all three Kodiak salmon permit types combined, 55.7% (6,462/11,599) for statewide salmon set gillnet permits, and 38.4% (13,836/36,017) for all limited entry permits statewide.

⁷ CFEC implemented the transfer survey in 1980.

⁸ See *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2015*, CFEC Report No. 16-3N.

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	-	\$182,106	-
1984	11	\$57,200	-	\$130,485	-
1985	7	\$56,357	-	\$124,141	-
1986	19	\$61,792	-	\$133,629	-
1987	8	\$60,122	-	\$125,440	-
1988	3	\$78,942	-	\$158,162	-
1989	4	\$88,063	-	\$168,326	-
1990	4	\$107,500	-	\$194,945	-
1991	2	\$106,300	\$14,950	\$184,985	\$26,016
1992	9	\$109,700	\$19,850	\$185,323	\$33,534
1993	8	\$111,900	\$12,350	\$183,545	\$20,257
1994	5	\$98,000	\$6,450	\$156,732	\$10,316
1995	4	\$92,600	\$45,050	\$144,014	\$70,063
1996	4	\$96,600	\$11,800	\$145,926	\$17,825
1997	5	\$103,000	\$11,400	\$152,104	\$16,835
1998	9	\$87,000	\$40,050	\$126,506	\$58,236
1999	9	\$91,700	\$22,350	\$130,459	\$31,797
2000	6	\$107,800	\$19,650	\$148,376	\$27,046
2001	1	\$101,800	\$26,400	\$136,241	\$35,332
2002	5	\$56,800	\$18,850	\$74,834	\$24,835
2003	4	\$39,500	\$6,800	\$50,881	\$8,759
2004	4	\$44,400	\$4,250	\$55,710	\$5,333
2005	4	\$37,800	\$5,250	\$45,874	\$6,371
2006	5	\$45,400	\$6,200	\$53,376	\$7,289
2007	3	\$46,900	\$2,250	\$53,612	\$2,572
2008	7	\$59,600	\$10,350	\$65,611	\$11,394
2009	5	\$60,400	\$4,400	\$66,729	\$4,861
2010	5	\$70,700	\$6,050	\$76,848	\$6,576
2011	7	\$74,700	\$3,450	\$78,711	\$3,635
2012	6	\$77,200	\$3,900	\$79,696	\$4,026
2013	3	\$80,000	\$3,750	\$81,394	\$3,815
2014	4	\$77,500	\$2,900	\$77,592	\$2,903
2015	0	\$77,500	\$2,900	\$77,500	\$2,900

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

Emergency Transfers of S04K Permits

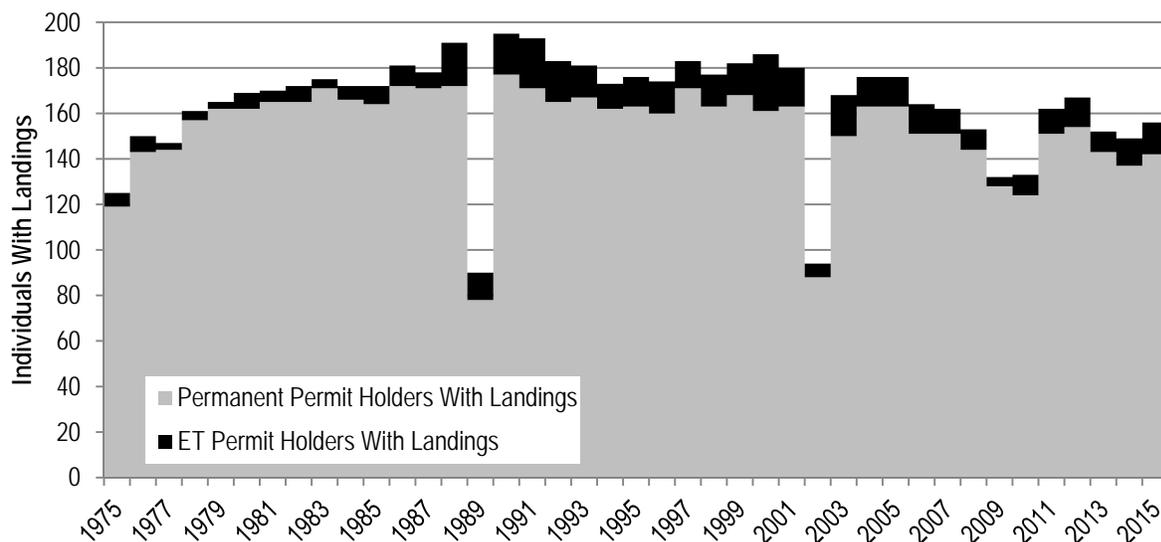
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service, or other unavoidable hardship of a temporary, unexpected, 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, 1975-2015

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

Figure 9. Use of Emergency Transfer Permits in the Kodiak Salmon Set Gillnet Fishery, 1975-2015



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
2015	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 1975-2015*. CFEC Report No. 16-2N.

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, 1975-2015

Year	Total Permits Issued	Permits With Landings		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%	174	7.4%
2007	188	157	16.5%	175	6.9%
2008	188	165	12.2%	178	5.3%
2009	188	167	11.2%	178	5.3%
2010	188	174	7.4%	182	3.2%
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%

- 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.

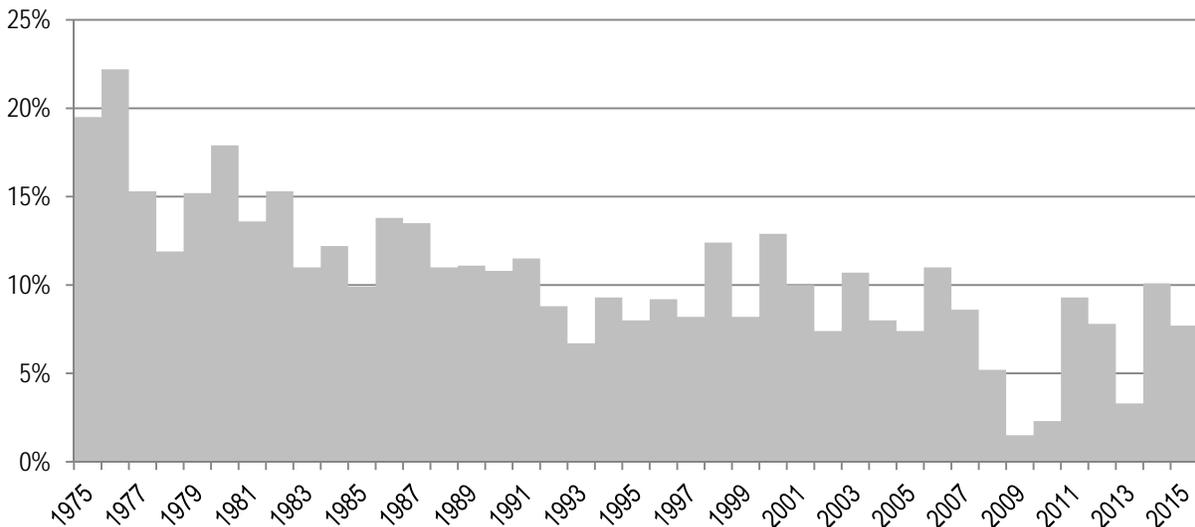
Table 36 and Figure 10 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them except for the 2008, 2009, and 2010 when the Board of Fisheries allowed for stacking of S04K permits. An individual may hold one S04K permit one year, 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, 1975-2015

Individuals															
Year	w/Landings	New	Percent												
1975	82	16	19.5%	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	159	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%				
1984	172	21	12.2%	1995	175	14	8.0%	2006	164	18	11.0%				
1985	171	17	9.9%	1996	173	16	9.2%	2007	162	14	8.6%				

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

Figure 10. New Entrants into the Kodiak Salmon Set Gillnet Fishery, 1975-2015



Age of S04K Permit Holders

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

Year	S04K	Kodiak Salmon Combined	Statewide Salmon Set Gillnet	Statewide All Permits	AK Median Age
1975	39.4	42.2	36.2	42.9	24.3
1976	36.9	40.3	36.4	41.3	24.7
1977	35.3	39.4	36.1	40.5	25.1
1978	35.6	38.1	35.7	40.1	25.4
1979	35.5	38.0	35.8	40.1	25.8
1980	35.4	37.5	35.8	39.6	26.0
1981	36.4	38.2	36.0	39.5	26.4
1982	37.1	38.7	36.0	39.5	26.8
1983	37.4	38.7	35.7	39.6	27.1
1984	37.7	39.3	35.8	39.9	27.3
1985	37.8	38.8	36.3	40.1	27.5
1986	38.7	38.8	36.7	40.1	27.8
1987	38.6	38.7	37.0	40.4	28.2
1988	40.3	38.8	37.3	40.6	28.6
1989	40.3	39.4	38.0	41.0	29.0
1990	41.6	39.9	38.3	41.4	29.3
1991	41.4	40.2	38.9	41.9	29.7
1992	41.9	40.8	39.3	42.4	30.1
1993	42.7	41.5	39.9	43.0	30.5
1994	43.9	42.4	40.4	43.5	30.8
1995	44.6	43.0	41.0	43.9	31.1
1996	45.3	44.0	41.7	44.5	31.5
1997	45.1	44.4	42.0	45.0	31.8
1998	46.1	45.0	42.6	45.6	32.1
1999	45.7	45.4	43.1	46.1	32.3
2000	45.7	46.0	43.4	46.6	32.4
2001	47.1	47.0	44.1	47.0	32.7
2002	47.4	47.7	44.8	47.7	33.0
2003	48.4	48.7	45.5	48.4	33.2
2004	48.6	49.4	45.9	48.8	33.4
2005	49.1	50.1	46.0	49.3	33.6
2006	48.7	50.3	46.3	49.7	33.8
2007	49.3	51.1	46.8	50.1	33.9
2008	49.7	51.8	46.8	50.5	33.9
2009	52.1	52.8	47.3	51.1	33.9
2010	53.7	54.0	47.7	51.4	33.8
2011	52.4	53.8	48.2	51.8	33.9
2012	53.0	54.4	48.8	52.1	34.1
2013	52.1	54.4	49.0	52.4	34.3
2014	53.9	54.4	49.2	52.7	34.3
2015	54.0	54.8	49.6	53.3	34.5

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

Table 37 shows the annual median 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 of the permit holder is counted once for each permit that he or she holds.

The median age of the general Alaskan population has increased 10.2 years between 1975 and 2015, which represents a 41.9% increase. The percent change in ages over the same period for all CFEC permit holders increased by 24.1% (10.3 years), 36.9% (13.4 years) for the statewide set gillnet permit holders, and 29.8% (12.6 years) for the combined Kodiak permit holders.

For S04K permit holders, the median age increased 36.8% (14.5 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 2015 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	Effort	Ex-vessel Value	Average Ex-vessel Value	Individuals	Ex-vessel Value
2008	Stacked	22	44	\$1,621,414	\$73,701	14.4%	21.1%
	Single	131	131	\$6,050,567	\$46,188	85.6%	78.9%
	<i>Combined</i>	<i>153</i>	<i>175</i>	<i>\$7,671,980</i>	<i>\$50,144</i>	<i>100.0%</i>	<i>100.0%</i>
2009	Stacked	38	76	\$3,174,510	\$83,540	28.8%	42.9%
	Single	94	94	\$4,221,621	\$44,911	71.2%	57.1%
	<i>Combined</i>	<i>132</i>	<i>170</i>	<i>\$7,396,131</i>	<i>\$56,031</i>	<i>100.0%</i>	<i>100.0%</i>
2010	Stacked	42	84	\$2,204,776	\$52,495	31.6%	49.9%
	Single	91	91	\$2,215,109	\$24,342	68.4%	50.1%
	<i>Combined</i>	<i>133</i>	<i>175</i>	<i>\$4,419,885</i>	<i>\$33,232</i>	<i>100.0%</i>	<i>100.0%</i>

- 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 2015 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 2015. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

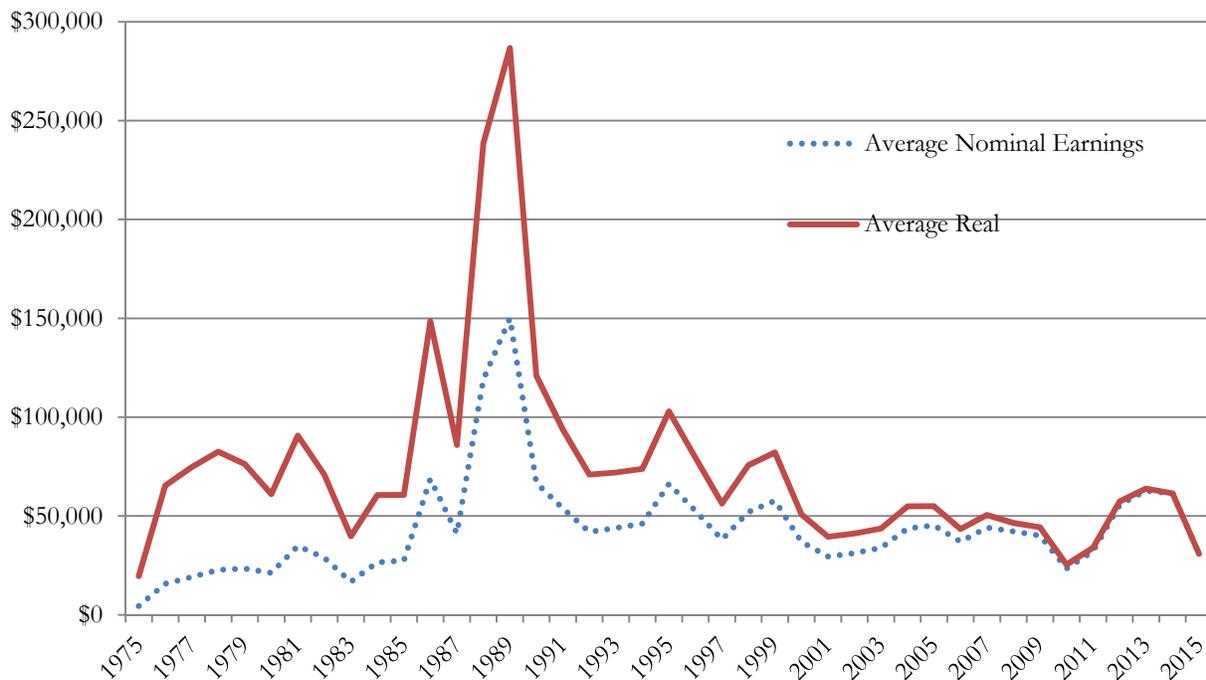
Table 40 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type. Where fewer than four individuals made landings, earnings are masked for that group and at least one other due to reasons of confidentiality.

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 2015 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 11. Estimated Nominal and Real Average Gross Earnings Per Kodiak Salmon Set Gillnet Permit



- Real earnings are adjusted for inflation using the 2015 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, 1975-2015

Year	Issued Permits	Permits With Landings	Gross Earnings		
			Nominal	Real	Average Real
1975	192	122	\$543,157	\$2,392,890	\$19,614
1976	186	148	\$2,324,769	\$9,683,829	\$65,431
1977	186	147	\$2,810,215	\$10,991,235	\$74,770
1978	187	160	\$3,633,828	\$13,209,802	\$82,561
1979	186	164	\$3,831,508	\$12,508,713	\$76,273
1980	187	168	\$3,564,165	\$10,252,035	\$61,024
1981	187	169	\$5,878,740	\$15,328,507	\$90,701
1982	187	170	\$4,911,167	\$12,062,488	\$70,956
1983	188	174	\$2,903,905	\$6,910,389	\$39,715
1984	188	168	\$4,460,790	\$10,175,967	\$60,571
1985	188	169	\$4,650,350	\$10,243,606	\$60,613
1986	187	174	\$11,953,886	\$25,851,042	\$148,569
1987	188	173	\$7,121,132	\$14,857,653	\$85,882
1988	188	179	\$21,309,576	\$42,694,268	\$238,515
1989	189	87	\$13,051,018	\$24,946,073	\$286,736
1990	189	184	\$12,275,540	\$22,260,992	\$120,984
1991	189	185	\$9,956,102	\$17,325,737	\$93,653
1992	189	178	\$7,473,098	\$12,624,742	\$70,926
1993	190	176	\$7,724,543	\$12,670,228	\$71,990
1994	190	169	\$7,805,959	\$12,484,109	\$73,870
1995	189	173	\$11,446,588	\$17,802,072	\$102,902
1996	189	172	\$9,052,730	\$13,675,277	\$79,507
1997	188	174	\$6,635,516	\$9,798,942	\$56,316
1998	188	171	\$8,900,235	\$12,941,761	\$75,683
1999	188	173	\$9,989,759	\$14,212,141	\$82,151
2000	188	172	\$6,350,831	\$8,741,318	\$50,822
2001	188	172	\$5,076,627	\$6,794,166	\$39,501
2002	188	93	\$2,903,734	\$3,825,649	\$41,136
2003	188	161	\$5,459,822	\$7,032,993	\$43,683
2004	188	164	\$7,167,694	\$8,993,464	\$54,838
2005	188	165	\$7,465,694	\$9,060,402	\$54,912
2006	188	153	\$5,655,915	\$6,649,544	\$43,461
2007	188	157	\$6,933,209	\$7,925,498	\$50,481
2008	188	165	\$6,969,122	\$7,671,980	\$46,497
2009	188	167	\$6,694,641	\$7,396,131	\$44,288
2010	188	174	\$4,066,301	\$4,419,885	\$25,402
2011	188	157	\$5,055,418	\$5,326,867	\$33,929
2012	188	164	\$9,116,968	\$9,411,728	\$57,389
2013	188	152	\$9,545,201	\$9,711,556	\$63,892
2014	188	146	\$8,959,918	\$8,970,554	\$61,442
2015	188	154	\$4,752,798	\$4,752,798	\$30,862

- Adjusted for inflation to 2015 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.
- 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, 1975-2015

Year	Local			Nonlocal			Nonresident			Total		
	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings	People	Average Earnings	Total Earnings
1975	89	\$19,635	\$1,747,525	7	\$12,365	\$86,557	29	\$19,269	\$558,809	125	\$19,143	\$2,392,890
1976	110	\$57,591	\$6,334,984	5	\$66,174	\$330,869	35	\$86,228	\$3,017,976	150	\$64,559	\$9,683,829
1977	99	\$75,512	\$7,475,645	10	\$40,414	\$404,141	38	\$81,880	\$3,111,449	147	\$74,770	\$10,991,235
1978	113	\$76,257	\$8,617,046	10	\$61,367	\$613,672	38	\$104,713	\$3,979,085	161	\$82,048	\$13,209,802
1979	112	\$71,994	\$8,063,323	13	\$63,235	\$822,056	40	\$90,583	\$3,623,334	165	\$75,810	\$12,508,713
1980	111	\$61,346	\$6,809,436	18	\$57,746	\$1,039,429	40	\$60,079	\$2,403,170	169	\$60,663	\$10,252,035
1981	119	\$90,039	\$10,714,638	15	\$82,023	\$1,230,342	36	\$93,987	\$3,383,528	170	\$90,168	\$15,328,507
1982	116	\$69,504	\$8,062,448	18	\$62,881	\$1,131,853	38	\$75,479	\$2,868,188	172	\$70,131	\$12,062,488
1983	117	\$38,494	\$4,503,759	20	\$37,453	\$749,068	38	\$43,620	\$1,657,562	175	\$39,488	\$6,910,389
1984	116	\$58,122	\$6,742,095	18	\$55,056	\$991,007	38	\$64,286	\$2,442,865	172	\$59,163	\$10,175,967
1985	122	\$53,872	\$6,572,419	16	\$65,565	\$1,049,043	34	\$77,122	\$2,622,144	172	\$59,556	\$10,243,606
1986	119	\$138,718	\$16,507,395	25	\$131,180	\$3,279,505	37	\$163,896	\$6,064,142	181	\$142,823	\$25,851,042
1987	119	\$81,379	\$9,684,129	28	\$71,104	\$1,990,916	31	\$102,665	\$3,182,608	178	\$83,470	\$14,857,653
1988	122	\$219,561	\$26,786,460	32	\$251,577	\$8,050,466	37	\$212,361	\$7,857,341	191	\$223,530	\$42,694,268
1989	46	\$302,908	\$13,933,748	16	\$167,487	\$2,679,795	28	\$297,590	\$8,332,530	90	\$277,179	\$24,946,073
1990	123	\$109,784	\$13,503,489	28	\$128,916	\$3,609,661	44	\$116,996	\$5,147,842	195	\$114,159	\$22,260,992
1991	117	\$88,285	\$10,329,312	29	\$78,898	\$2,288,038	47	\$100,178	\$4,708,387	193	\$89,771	\$17,325,737
1992	118	\$66,703	\$7,871,000	21	\$86,516	\$1,816,827	44	\$66,748	\$2,936,914	183	\$68,988	\$12,624,742
1993	108	\$71,412	\$7,712,469	26	\$74,028	\$1,924,730	47	\$64,533	\$3,033,028	181	\$70,001	\$12,670,228
1994	103	\$70,745	\$7,286,707	26	\$80,681	\$2,097,713	44	\$70,448	\$3,099,690	173	\$72,162	\$12,484,109
1995	103	\$104,341	\$10,747,140	25	\$114,861	\$2,871,513	48	\$87,155	\$4,183,419	176	\$101,148	\$17,802,072
1996	93	\$81,909	\$7,617,501	25	\$93,397	\$2,334,928	56	\$66,479	\$3,722,848	174	\$78,594	\$13,675,277
1997	101	\$53,553	\$5,408,874	27	\$65,889	\$1,778,996	55	\$47,474	\$2,611,072	183	\$53,546	\$9,798,942
1998	102	\$77,587	\$7,913,899	24	\$68,676	\$1,648,221	51	\$66,267	\$3,379,641	177	\$73,117	\$12,941,761
1999	107	\$83,085	\$8,890,108	21	\$81,079	\$1,702,662	54	\$67,025	\$3,619,371	182	\$78,089	\$14,212,141
2000	103	\$48,414	\$4,986,686	24	\$45,306	\$1,087,341	59	\$45,208	\$2,667,291	186	\$46,996	\$8,741,318
2001	101	\$41,211	\$4,162,302	21	\$41,997	\$881,930	58	\$30,171	\$1,749,934	180	\$37,745	\$6,794,166
2002	63	\$41,090	\$2,588,677	10	\$35,858	\$358,583	21	\$41,828	\$878,389	94	\$40,698	\$3,825,649
2003	92	\$47,215	\$4,343,762	17	\$31,726	\$539,337	59	\$36,439	\$2,149,894	168	\$41,863	\$7,032,993
2004	96	\$55,427	\$5,320,968	19	\$47,913	\$910,356	61	\$45,281	\$2,762,140	176	\$51,099	\$8,993,464
2005	99	\$56,316	\$5,575,291	22	\$53,102	\$1,168,240	55	\$42,125	\$2,316,871	176	\$51,480	\$9,060,402
2006	90	\$47,618	\$4,285,602	20	\$39,167	\$783,332	54	\$29,271	\$1,580,610	164	\$40,546	\$6,649,544
2007	89	\$60,845	\$5,415,225	18	\$42,557	\$766,021	55	\$31,714	\$1,744,252	162	\$48,923	\$7,925,498
2008	90	\$52,455	\$4,720,908	16	\$36,848	\$589,569	47	\$50,245	\$2,361,503	153	\$50,144	\$7,671,980
2009	78	\$59,506	\$4,641,442	17	\$50,884	\$865,021	37	\$51,072	\$1,889,669	132	\$56,031	\$7,396,131
2010	78	\$38,248	\$2,983,307	17	\$29,955	\$509,234	38	\$24,404	\$927,345	133	\$33,232	\$4,419,885
2011	97	\$35,591	\$3,452,319	18	\$32,135	\$578,430	47	\$27,577	\$1,296,118	162	\$32,882	\$5,326,867
2012	101	\$61,559	\$6,217,484	22	\$51,058	\$1,123,280	44	\$47,067	\$2,070,964	167	\$56,358	\$9,411,728
2013	89	\$73,897	\$6,576,856	16	\$58,878	\$942,055	47	\$46,652	\$2,192,644	152	\$63,892	\$9,711,556
2014	87	\$70,535	\$6,136,565	18	\$27,299	\$491,386	44	\$53,241	\$2,342,602	149	\$60,205	\$8,970,554
2015	86	\$36,377	\$3,128,463	20	\$22,303	\$446,064	50	\$23,565	\$1,178,270	156	\$30,467	\$4,752,798

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

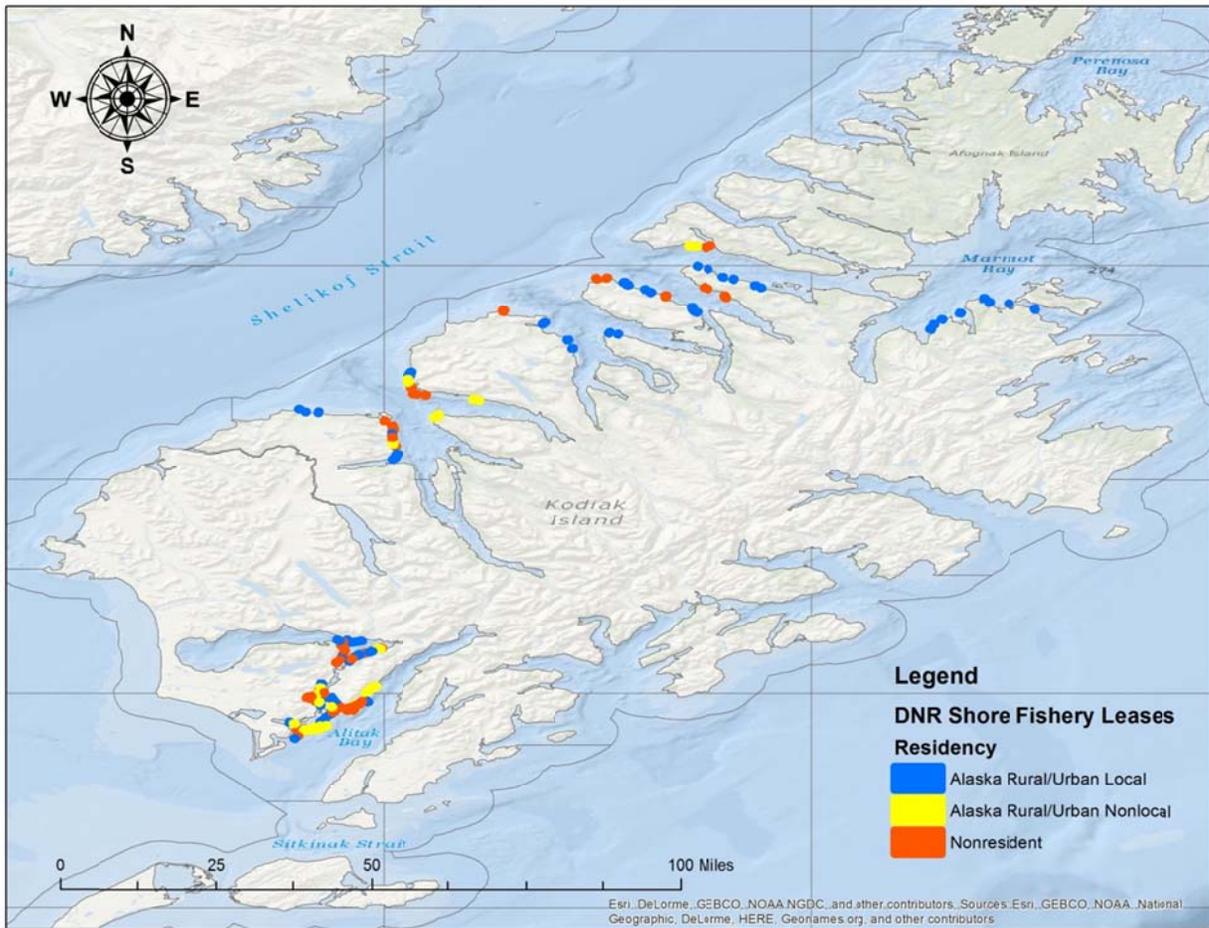
Kodiak Salmon Set Gillnet (S04K)

Table 41. Gross Real Earnings for the Kodiak Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975-2015

Year	Afognak		Northeast		Eastside		Alitak Bay		Southwest		Northwest		Mainland		Total	
	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value	Permits	Value
1975	9	**	0	\$0	0	\$0	45	\$289,185	1 to 3	**	72	\$1,844,325	0	\$0	122	\$2,392,890
1976	12	\$512,695	0	\$0	0	\$0	55	\$3,938,589	0	\$0	87	\$5,232,545	0	\$0	148	\$9,683,829
1977	16	**	1 to 3	**	0	\$0	55	\$2,753,589	0	\$0	90	\$7,459,940	0	\$0	147	\$10,991,235
1978	17	\$669,016	0	\$0	0	\$0	61	\$5,280,518	0	\$0	93	\$7,260,268	0	\$0	160	\$13,209,802
1979	17	\$711,908	1 to 3	**	1 to 3	**	61	\$4,849,870	0	\$0	97	\$6,944,611	0	\$0	164	\$12,508,713
1980	25	**	0	\$0	0	\$0	64	\$3,163,314	1 to 3	**	96	\$6,197,374	0	\$0	168	\$10,252,035
1981	22	\$1,000,783	0	\$0	1 to 3	**	64	\$5,415,355	1 to 3	**	99	\$8,910,071	0	\$0	169	\$15,328,507
1982	0	\$0	0	\$0	0	\$0	66	**	1 to 3	**	107	\$6,061,823	0	\$0	170	\$12,062,488
1983	10	\$128,248	1 to 3	**	0	\$0	68	\$3,242,587	0	\$0	106	\$3,536,476	1 to 3	**	174	\$6,910,389
1984	1 to 3	**	4	\$36,070	0	\$0	70	\$4,152,300	1 to 3	**	105	\$5,985,276	0	\$0	168	\$10,175,967
1985	6	\$15,581	1 to 3	**	1 to 3	**	74	\$5,806,951	7	\$14,417	102	\$4,369,399	0	\$0	169	\$10,243,606
1986	1 to 3	**	1 to 3	**	0	\$0	78	\$13,725,427	0	\$0	110	\$12,087,024	0	\$0	174	\$25,851,042
1987	0	\$0	1 to 3	**	0	\$0	73	\$7,439,483	1 to 3	**	102	\$7,242,238	0	\$0	173	\$14,857,653
1988	1 to 3	**	0	\$0	0	\$0	80	\$20,105,449	1 to 3	**	104	\$22,542,358	0	\$0	179	\$42,694,268
1989	0	\$0	0	\$0	0	\$0	87	\$24,946,073	0	\$0	0	\$0	0	\$0	87	\$24,946,073
1990	0	\$0	0	\$0	0	\$0	90	\$10,578,526	0	\$0	105	\$11,682,466	0	\$0	184	\$22,260,992
1991	0	\$0	0	\$0	0	\$0	86	\$9,760,988	0	\$0	101	\$7,564,749	0	\$0	185	\$17,325,737
1992	0	\$0	0	\$0	0	\$0	79	\$3,785,741	0	\$0	103	\$8,839,001	0	\$0	178	\$12,624,742
1993	0	\$0	0	\$0	0	\$0	76	\$3,833,745	0	\$0	102	\$8,836,483	0	\$0	176	\$12,670,228
1994	0	\$0	0	\$0	0	\$0	74	\$5,421,227	0	\$0	98	\$7,062,882	0	\$0	169	\$12,484,109
1995	0	\$0	0	\$0	0	\$0	75	\$6,998,651	0	\$0	99	\$10,803,422	0	\$0	173	\$17,802,072
1996	0	\$0	0	\$0	0	\$0	80	\$6,320,524	0	\$0	94	\$7,354,753	0	\$0	172	\$13,675,277
1997	0	\$0	0	\$0	0	\$0	78	\$3,328,472	0	\$0	98	\$6,470,470	0	\$0	174	\$9,798,942
1998	0	\$0	0	\$0	0	\$0	77	\$5,504,151	0	\$0	96	\$7,437,609	0	\$0	171	\$12,941,761
1999	0	\$0	0	\$0	0	\$0	76	\$3,848,610	0	\$0	101	\$10,363,531	0	\$0	173	\$14,212,141
2000	0	\$0	0	\$0	0	\$0	76	\$2,319,603	0	\$0	98	\$6,421,715	0	\$0	172	\$8,741,318
2001	0	\$0	0	\$0	0	\$0	77	\$1,679,468	0	\$0	96	\$5,114,698	0	\$0	172	\$6,794,166
2002	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	93	\$3,825,649	0	\$0	93	\$3,825,649
2003	0	\$0	0	\$0	0	\$0	65	\$1,020,988	0	\$0	96	\$6,012,005	0	\$0	161	\$7,032,993
2004	0	\$0	0	\$0	0	\$0	71	\$3,112,634	0	\$0	93	\$5,880,829	0	\$0	164	\$8,993,464
2005	0	\$0	0	\$0	0	\$0	72	\$2,715,678	0	\$0	93	\$6,344,724	0	\$0	165	\$9,060,402
2006	0	\$0	0	\$0	0	\$0	60	\$460,993	0	\$0	93	\$6,188,551	0	\$0	153	\$6,649,544
2007	0	\$0	0	\$0	0	\$0	58	\$537,600	0	\$0	99	\$7,387,897	0	\$0	157	\$7,925,498
2008	0	\$0	0	\$0	0	\$0	61	\$3,449,700	0	\$0	87	\$4,222,280	0	\$0	148	\$7,671,980
2009	0	\$0	0	\$0	0	\$0	54	\$3,012,534	0	\$0	78	\$4,383,597	0	\$0	132	\$7,396,131
2010	0	\$0	0	\$0	0	\$0	67	\$872,763	0	\$0	92	\$3,547,122	0	\$0	158	\$4,419,885
2011	0	\$0	0	\$0	0	\$0	66	\$1,768,802	0	\$0	91	\$3,558,065	0	\$0	157	\$5,326,867
2012	0	\$0	0	\$0	0	\$0	65	\$1,969,348	0	\$0	99	\$7,442,381	0	\$0	164	\$9,411,728
2013	0	\$0	0	\$0	0	\$0	58	\$1,504,182	0	\$0	95	\$8,207,374	0	\$0	152	\$9,711,556
2014	0	\$0	0	\$0	0	\$0	49	\$1,388,198	0	\$0	97	\$7,582,356	0	\$0	146	\$8,970,554
2015	0	\$0	0	\$0	0	\$0	59	\$738,171	0	\$0	95	\$4,014,627	0	\$0	154	\$4,752,798

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

Appendix A. DNR Shore Fishery Lease



As of March 1, 2016.

Appendix B. 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