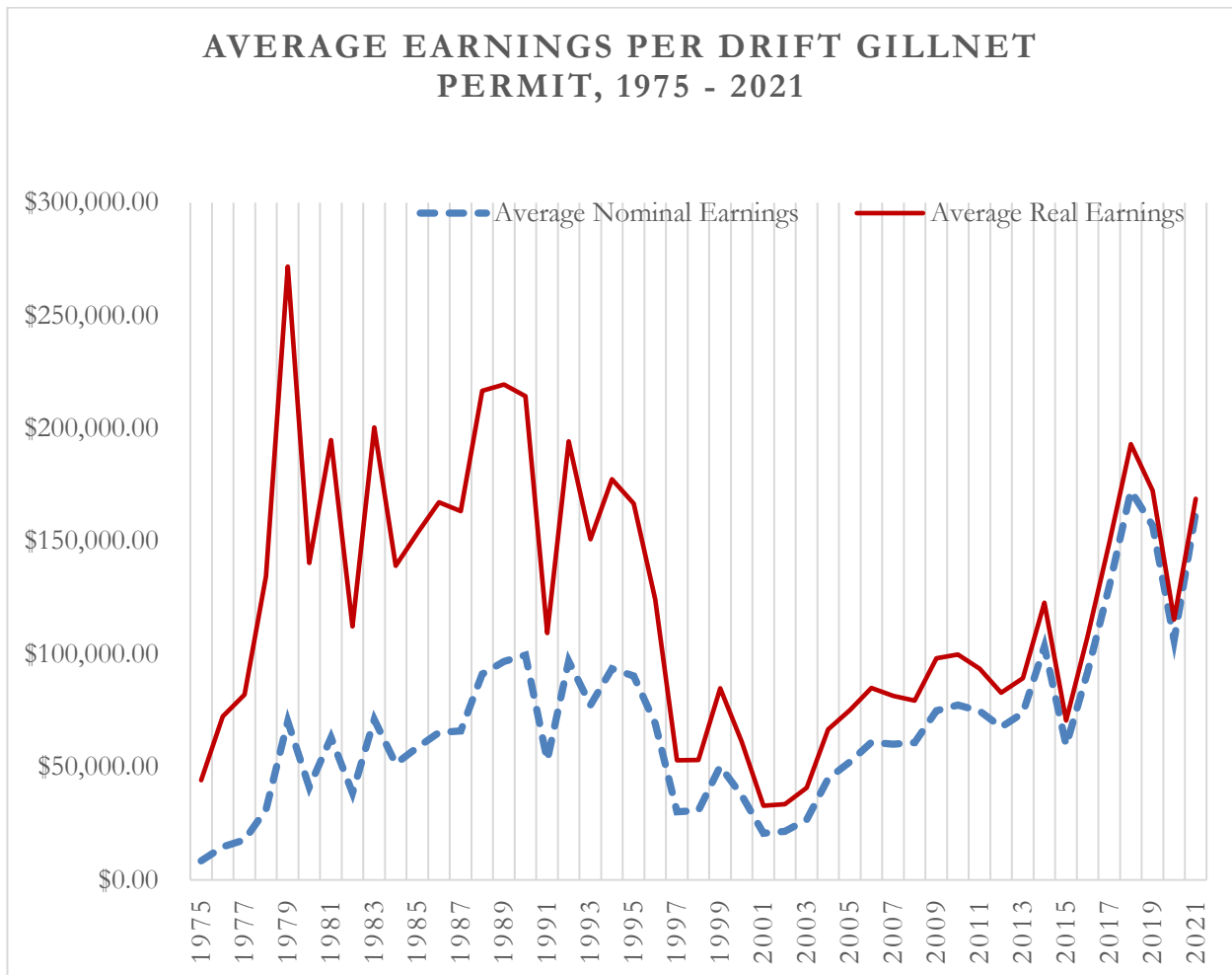


CFEC Permit Holdings and Estimates of Gross Earnings in the Bristol Bay Commercial Salmon Fisheries, 1975-2021



CFEC Report Number 22-03N,
November, 2022

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Abstract

Limited entry permit holdings in both of the Bristol Bay salmon fisheries are examined: the Bristol Bay salmon drift gillnet fishery is first, followed by a separate examination of the Bristol Bay salmon set gillnet fishery. This report provides summary statistics on the number of permit holdings, permanent and emergency transfers of permits, permit value, permit latency, new entrants in the fisheries, permit holder mean age, estimated gross earnings, vessel characteristics for the drift gillnet fishery, Department of Natural Resource shore fishery leases in the set gillnet fishery, permit stacking in the set gillnet fishery, as well as dual permit operations in the drift gillnet fishery. Some summary statistics are also presented by resident type. A description of the computer files and methods used to generate the statistics are provided.

The figure on the cover displays the average real earnings (in 2022 dollars) and average nominal earnings per drift gillnet permit in Bristol Bay. The annual figure was calculated by aggregating all estimated ex-vessel value generated per year and dividing it by the total number of permits that made a landing each year. The nominal value was adjusted for inflation using the 2022 consumer price index as published by the U.S. Bureau of Labor Statistics.

Prepared by Reid Johnson and Brad Robbins

Acknowledgements

Special thanks to Marcus Gho and Daniel Strong for their insights and contributions to this document.

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Introduction

Commercial fishing for salmon in Bristol Bay has been documented as far back as 1884.¹ Historically, many gear types have been employed to commercially harvest salmon in Bristol Bay, but today the two commercial salmon fisheries prosecuted in this region of Alaska includes only the drift gillnet and set gillnet fisheries.

In 1972, Alaskan voters amended the state constitution to allow limited entry in the state's commercial fisheries. The following year, the Alaska State Legislature enacted the Limited Entry Act (AS 16.43), giving the Commercial Fisheries Entry Commission (CFEC) the authority to administer the program. Permit fisheries are defined by CFEC as a specific gear type for a fishery resource within a defined administrative area.

Both Bristol Bay salmon fisheries were part of the original group of 19 Alaska salmon fisheries that were limited after the Alaska legislature passed the limited entry act. Limited entry permits for Bristol Bay salmon drift gillnet (S03T) and Bristol Bay salmon set gillnet (S04T) were first issued in 1975.

Limited entry permits were allocated based upon an individual's past participation and economic dependence on the fishery. To allocate permits among qualified applicants, CFEC developed point systems to measure each individual's relative position in the fishery. The Limited Entry Act also required CFEC to determine levels within the point system where individuals would experience only minor economic hardship if excluded from an initial permit allocation. Persons who were ranked at or below the minor economic hardship level received non-transferable permits, while persons who were ranked above the minor economic hardship level received transferable permits. Among Bristol Bay salmon permit fisheries, non-transferable permits were only issued in the set gillnet fishery. CFEC permits are cancelled after two years of non-payment of annual fees. This frequently occurs when the permit holder reaches an age when fishing is no longer feasible, or when the permit holder passes away.

Information regarding season length, openings and closings, size, and other such data can be found in the Alaska Department of Fish and Game's Area Management Reports. This report focuses on the economics of these commercial fisheries. This report provides an overview of limited entry permit holdings and estimated gross earnings in the Bristol Bay commercial salmon fisheries.

ADF&G fish tickets identify, among other things, the species harvested. Salmon species on fish tickets are well documented for each of these fisheries. Variations do exist in the financial composition for each of the five major Pacific salmon species commercially harvested in Bristol Bay from year to year and across each fishery. Commercial harvest of species other than salmon were documented at extremely low rates so they are not displayed in Table 0-1.

Table 0-1. Percent of Total Ex-vessel Value of Bristol Bay Salmon Fisheries by Species, 1975-2021

Species	S03T	S04T
Chinook	1.33%	0.97%
Sockeye	95.73%	95.89%
Coho	0.63%	1.46%
Pink	0.47%	0.57%
Chum	1.84%	1.09%

¹ See Byerly, M., B. Brooks, B. Simonson, H. Savikko, and H.J. Geiger. *Alaska's Commercial Salmon Catches, 1878-1997*. RIR No. 5J99-05.

Description of the Data Files Used to Generate This Report

Several CFEC data files were used to generate the statistics in this report: the gross earnings file, the permit file, the census file, the vessel file, ADF&G vessel registration data, and a DNR shore fishery lease data file. The most recent updated data is included in this report. The following is a brief description of each file. Please contact CFEC for more detail about these files if you are interested.

CFEC Gross Earnings File

The CFEC gross earnings file is based on ADF&G fish tickets and is augmented with CFEC permit holder and other data. The ex-vessel value for salmon in the CFEC gross earnings file largely come from the Commercial Operators Annual Report and ADF&G fish tickets with some additional information provided by processors. ADF&G salmon districts were mapped out from statistical areas using information provided by ADF&G. Several processes to validate and enhance fields such as vessel number and statistical area were undertaken to increase accuracy of this report. Starting in 2016, dual permit operations were identified using fish ticket identifiers.

CFEC Permit File

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

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

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

CFEC Census File

CFEC maintains a computer file of places within Alaska where permit holders reside. Each community is annotated with information on its local or nonlocal status by permit fishery. Table 0-2 lists the communities that are currently designated as local to Bristol Bay salmon commercial fisheries in the Census file.

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

Aleknagik	Igiugig	Kvichak	Nunachuak	South Naknek
Cape Newenham	Igushik	Levelock	Nushagak	Togiak
Clarks Point	Iliamna	Manokotak	Pedro Bay	Twin Hills
Dillingham	Kashiagamiut	Nakeen	Pilot Point	Ugashik
Egegik	King Salmon	Naknek	Pope-Vannoy Ldg	Ungalikthluk
Ekuk	Koggiung	New Stuyahok	Port Alsworth	
Ekwok	Kokhanok	Newhalen	Port Heiden	
Hallersville	Koliganek	Nondalton	Portage Creek	

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.

ADF&G Bristol Bay Vessel Registration Data

Bristol Bay drift gillnet permit holders have registration requirements per 5 AAC 06.370 for much of the fishing season. These ADF&G registration records indicate if the permit holder is fishing by themselves, or jointly with another permit holder on the same vessel as a dual permit operation. The registration data for 2004 to 2015 was used to determine which permits were used in dual permit operations for what date. Because registration requirements do not fully encompass the entire fishing season in Bristol Bay, counts of dual permit operations may not be complete in every instance. Beginning in 2016, ADF&G fish tickets were changed to fully record dual permit operations. As such, ADF&G fish ticket data were used to determine which permits were used in dual permit operations starting in 2016.

DNR Shore Fishery Lease Data File

The DNR Land Administration System contains records used to maintain the DNR Shore Fishery Lease program. These records were merged with the CFEC permit file to create a dataset. Creation of the dataset is described in CFEC Report Number 19-3N, *CFEC Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2018*.

Data Display

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

Chapter 1 Bristol Bay Salmon Drift Gillnet Fishery

S03T Permit Holdings

Limited entry permits for the Bristol Bay salmon drift gillnet fishery (S03T permits) were issued starting in 1975. CFEC has issued 1,875 S03T permits. Table 1-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 38.0% (712/1,875) of the permits, Nonlocal Alaskans received 22.3% (418/1,875) of the permits, and Nonresidents received 39.7% (745/1,875). Every permit issued in this fishery was a transferable permit.

Table 1-1. Initial Issuance and Year-end 2021 Totals of Bristol Bay Salmon Drift Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

Residency	INITIAL ISSUE		TRANSFERS Percent Change		MIGRATIONS Percent Change		CANCELLED Percent Change		2021 YEAR-END	
	Total	Percent	Change	from Initial	Change	from Initial	Change	from Initial	Total	Percent
Local	712	38.0%	-319	-44.8%	-82	-11.5%	-3	0.4%	308	16.5%
Nonlocal	418	22.3%	189	45.2%	-83	-19.9%	-2	0.5%	522	28.0%
Nonresident	745	39.7%	130	17.4%	165	22.1%	-8	1.1%	1,032	55.4%
Total	1,875	100.0%	0	0.0%	0	0.0%	-13	0.7%	1,862	100.0%

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

Transfers of S03T 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.² The surveys provide information such as transfer acquisition methods, the relationship between individuals in the transaction, and the sale amount for instances when the permit is sold.

Table 1-2. Transfer Acquisition Methods for Bristol Bay Salmon Drift Gillnet Permits, 1980-2021

Acquisition Method	Bristol Bay Salmon Drift Net		Combined Bristol Bay Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	2,094	32.7%	3,984	38.7%	3,796	30.2%	13,403	32.5%
Sale	3,798	59.3%	5,545	53.9%	7,835	62.3%	24,174	58.6%
Trade	40	0.6%	66	0.6%	123	1.0%	531	1.3%
Other	472	7.4%	699	6.8%	824	6.6%	3,134	7.6%
Total	6,404		10,294		12,578		41,242	

Table 1-2 compares transfer acquisition methods for the S03T permits, the combined Bristol Bay salmon permit types, statewide salmon drift gillnet permits, and all limited entry permits between 1980 and 2021. Just under a third of all S03T permit transfers were gifts (32.7% or 2,094), more than half of all transfers were sales (59.3%, or 3,798), and a smaller percentage were trades (0.6% or 40) or other (7.4% or 472). The annual acquisition methods for S03T permits can be viewed in a different publication.³

Table 1-3. Relationships of Transferor to Transfer Recipients for Bristol Bay Salmon Drift Gillnet Permits, 1980-2021

Relationship	Bristol Bay Salmon Drift Net		Combined Bristol Bay Salmon		Statewide Salmon Drift Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	1,089	17.0%	1,982	19.3%	2,093	16.6%	7,713	18.7%
Member of Immediate Family	2,086	35.4%	3,648	35.4%	3,922	31.2%	13,850	33.6%
Other Relative	282	4.4%	556	5.4%	520	4.1%	1,846	4.5%
Other	2,947	46.0%	4,108	39.9%	6,043	48.0%	17,833	43.2%
Total	6,404	100%	10,294	100%	12,578	100%	41,242	100%

Table 1-3 shows the relationships between transferors and transfer recipients for S03T permits and compares S03T permit transfers with the combined Bristol Bay salmon permit types, statewide salmon drift gillnet permits, and all limited entry permits from 1980 to 2021. Transfers within the family, both immediate family members and other relatives, total 39.8% (2,368) of all transfers. This compares to 40.8% (4,204) for all Bristol Bay salmon permit types combined, 35.3% (4,442) for statewide salmon drift gillnet permits, and 38.1% (15,696) for all limited entry permits statewide.

Emergency Transfers of S03T 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,

² CFEC implemented the transfer survey in 1980.

³ See *Changes in the Distribution of Alaska’s Commercial Fisheries Entry Permits, 1975-2021*, CFEC Report No. 22-02N.

Bristol Bay Salmon Drift Gillnet Fishery (S03T)

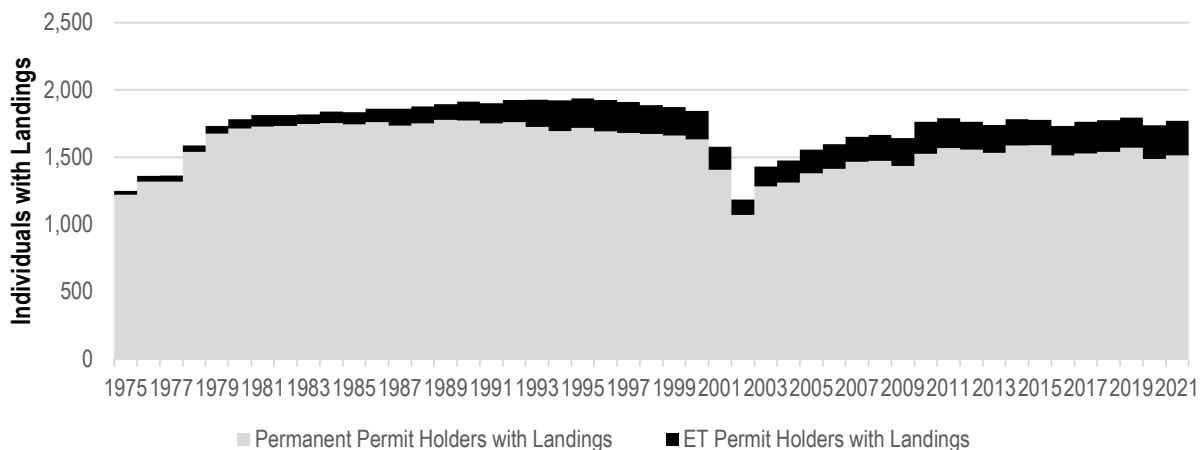
required military or government service, or other unavoidable hardship of a temporary, unexpected, and unforeseen nature prevents the permanent permit holder from participating in the fishery. “Hardship” does not include the results of a permit holder’s own economic decisions, or the results of economic, biological or regulatory variables which are normally part of the risk of doing business as a fisherman. At the end of the year, ET permits automatically revert to the permanent permit holder.

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

Table 1-4. Use of Emergency Transfer Permits in the Bristol Bay Salmon Drift Gillnet Fishery, 1975-2021

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	1,250	29	2.3%	1991	1,902	152	8.0%	2007	1,652	187	11.3%
1976	1,362	45	3.3%	1992	1,924	163	8.5%	2008	1,665	193	11.6%
1977	1,363	44	3.2%	1993	1,927	202	10.5%	2009	1,642	207	12.6%
1978	1,587	48	3.0%	1994	1,923	229	11.9%	2010	1,764	240	13.6%
1979	1,731	57	3.3%	1995	1,936	219	11.3%	2011	1,789	220	12.3%
1980	1,782	70	3.9%	1996	1,925	233	12.1%	2012	1,764	209	11.8%
1981	1,812	85	4.7%	1997	1,911	233	12.2%	2013	1,740	209	12.0%
1982	1,813	81	4.5%	1998	1,886	218	11.6%	2014	1,782	194	10.9%
1983	1,818	71	3.9%	1999	1,872	214	11.4%	2015	1,777	188	10.6%
1984	1,838	84	4.6%	2000	1,843	211	11.4%	2016	1,733	221	12.8%
1985	1,834	90	4.9%	2001	1,576	172	10.9%	2017	1,762	235	13.3%
1986	1,861	101	5.4%	2002	1,186	115	9.7%	2018	1,776	236	13.3%
1987	1,860	125	6.7%	2003	1,431	149	10.4%	2019	1,795	225	12.5%
1988	1,878	127	6.8%	2004	1,474	162	11.0%	2020	1,736	249	14.3%
1989	1,895	118	6.2%	2005	1,557	177	11.4%	2021	1,770	257	14.5%
1990	1,913	140	7.3%	2006	1,597	184	11.5%				

Figure 1-1. Use of Emergency Transfer Permits in the Bristol Bay Salmon Drift Gillnet Fishery, 1975-2021



Latent S03T Permits

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

Table 1-5 indicates the total number of viable S03T permits issued each year, the number of permits fished (with commercial landings), and the rate of permit latency. Viable permits include both interim entry and permanent permits. Note that for this table, in years when a single individual held an interim-entry permit and was also issued a permanent permit, only the permanent permit is counted. The rate of latency is depicted in Figure 1-2.

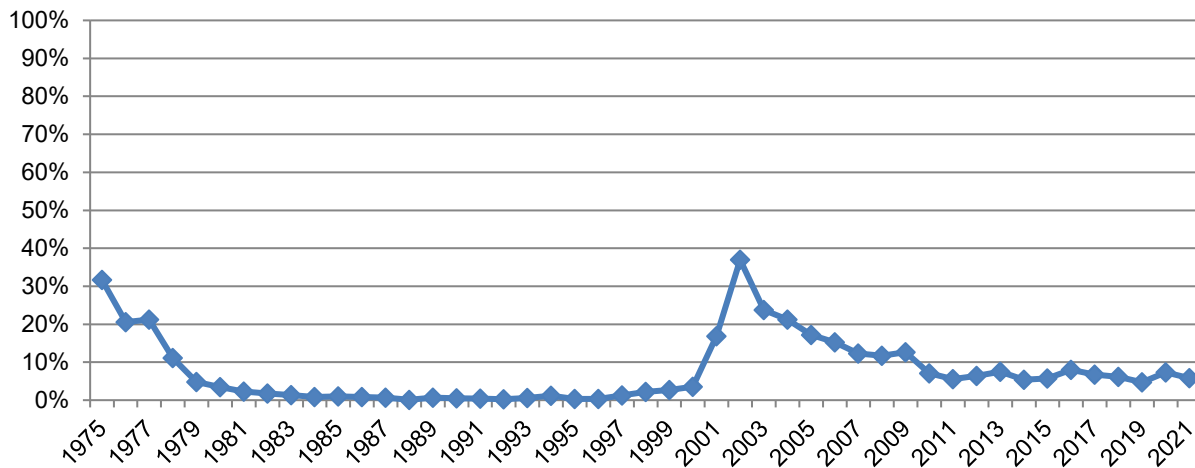
There are many reasons why an individual might not fish in any given year. This table and figure do not explain any of these reasons.

Table 1-5. Bristol Bay Salmon Drift Gillnet Permit Latency, 1975-2021

Permits				Permits				Permits			
Year	Issued	Fished	Latency Rate	Year	Issued	Fished	Latency Rate	Year	Issued	Fished	Latency Rate
1975	1,823	1,246	31.7%	1991	1,881	1,873	0.4%	2007	1,862	1,633	12.3%
1976	1,706	1,355	20.6%	1992	1,884	1,879	0.3%	2008	1,863	1,645	11.7%
1977	1,725	1,359	21.2%	1993	1,886	1,875	0.6%	2009	1,863	1,628	12.6%
1978	1,772	1,575	11.1%	1994	1,887	1,865	1.2%	2010	1,863	1,731	7.1%
1979	1,800	1,714	4.8%	1995	1,888	1,882	0.3%	2011	1,862	1,758	5.6%
1980	1,827	1,764	3.4%	1996	1,891	1,884	0.4%	2012	1,862	1,743	6.4%
1981	1,827	1,785	2.3%	1997	1,899	1,875	1.3%	2013	1,862	1,723	7.5%
1982	1,824	1,792	1.8%	1998	1,899	1,858	2.2%	2014	1,863	1,762	5.4%
1983	1,822	1,797	1.4%	1999	1,898	1,847	2.7%	2015	1,864	1,757	5.7%
1984	1,819	1,804	0.8%	2000	1,890	1,823	3.5%	2016	1,863	1,714	8.0%
1985	1,834	1,815	1.0%	2001	1,883	1,566	16.8%	2017	1,863	1,737	6.8%
1986	1,838	1,823	0.8%	2002	1,878	1,184	37.0%	2018	1,864	1,749	6.2%
1987	1,837	1,824	0.7%	2003	1,867	1,424	23.7%	2019	1,863	1,776	4.7%
1988	1,839	1,837	0.1%	2004	1,860	1,465	21.2%	2020	1,862	1,725	7.4%
1989	1,867	1,855	0.6%	2005	1,862	1,542	17.2%	2021	1,862	1,754	5.8%
1990	1,878	1,869	0.5%	2006	1,860	1,577	15.2%				

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

Figure 1-2. Bristol Bay Salmon Drift Gillnet Permit Latency Rate, 1975-2021



New Entrants into the Bristol Bay Salmon Drift Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S03T permit. It is important to note that initial permit holders are not considered new entrants because they needed a proven fishing history prior to 1975 in order to become an initial permit holder. Individuals who only make landings on an emergency transfer or interim-entry permit for any given year are not considered in this table.

Table 1-6. New Entrants into the Bristol Bay Salmon Drift Gillnet Fishery, 1975-2021

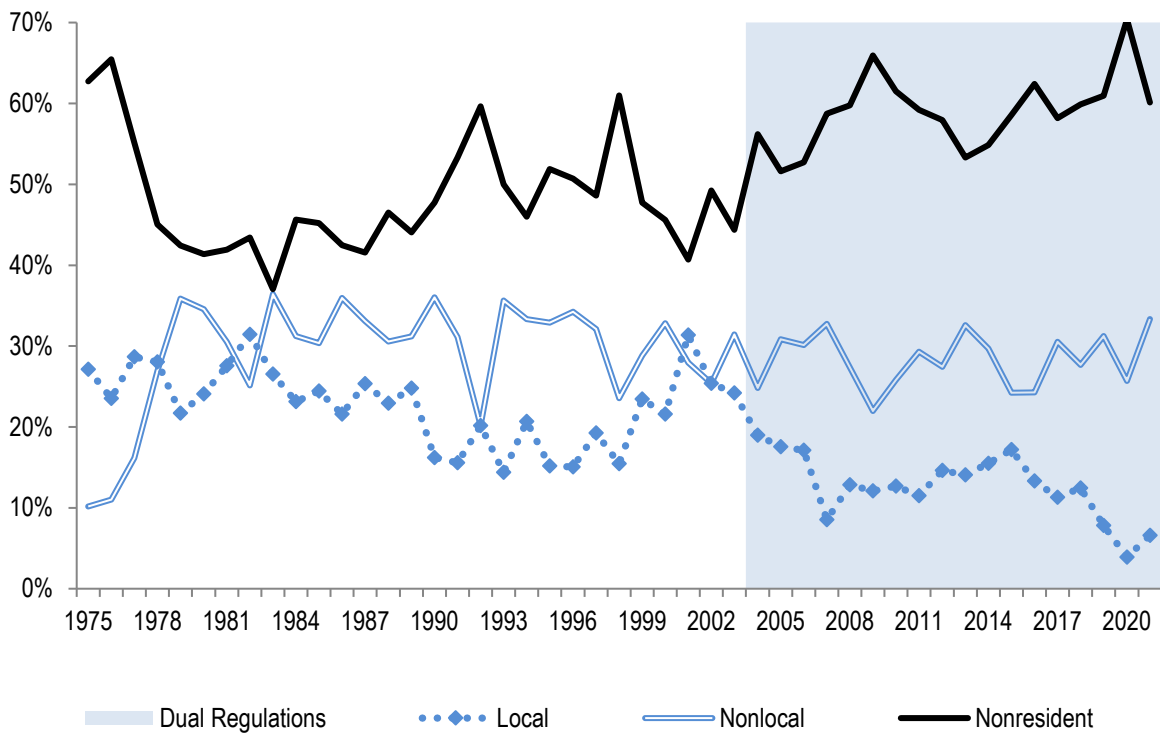
Year	Individuals w/Landings	Total New Entrants		Local		Nonlocal		Nonresident	
		Count	Percent	Count	Percent	Count	Percent	Count	Percent
1975	1,102	59	5.4%	16	27.1%	6	10.20%	37	62.7%
1976	1,313	136	10.4%	32	23.5%	15	11.00%	89	65.4%
1977	1,325	136	10.3%	39	28.7%	22	16.20%	75	55.1%
1978	1,528	182	11.9%	51	28.0%	49	26.90%	82	45.1%
1979	1,656	212	12.8%	46	21.7%	76	35.80%	90	42.5%
1980	1,677	162	9.7%	39	24.1%	56	34.60%	67	41.4%
1981	1,709	167	9.8%	46	27.5%	51	30.50%	70	41.9%
1982	1,716	175	10.2%	55	31.4%	44	25.10%	76	43.4%
1983	1,728	162	9.4%	43	26.5%	59	36.40%	60	37.0%
1984	1,748	160	9.2%	37	23.1%	50	31.30%	73	45.6%
1985	1,742	135	7.7%	33	24.4%	41	30.40%	61	45.2%
1986	1,760	153	8.7%	33	21.6%	55	35.90%	65	42.5%
1987	1,766	142	8.0%	36	25.4%	47	33.10%	59	41.5%
1988	1,783	144	8.1%	33	22.9%	44	30.60%	67	46.5%
1989	1,798	109	6.1%	27	24.8%	34	31.20%	48	44.0%
1990	1,817	111	6.1%	18	16.2%	40	36.00%	53	47.7%
1991	1,814	135	7.4%	21	15.6%	42	31.10%	72	53.3%
1992	1,827	114	6.2%	23	20.2%	23	20.20%	68	59.6%
1993	1,839	146	7.9%	21	14.4%	52	35.60%	73	50.0%
1994	1,837	150	8.2%	31	20.7%	50	33.30%	69	46.0%
1995	1,853	158	8.5%	24	15.2%	52	32.90%	82	51.9%
1996	1,852	146	7.9%	22	15.1%	50	34.20%	74	50.7%
1997	1,838	109	5.9%	21	19.3%	35	32.10%	53	48.6%
1998	1,831	123	6.7%	19	15.4%	29	23.60%	75	61.0%
1999	1,824	111	6.1%	26	23.4%	32	28.80%	53	47.7%
2000	1,812	125	6.9%	27	21.6%	41	32.80%	57	45.6%
2001	1,559	118	7.6%	37	31.4%	33	28.00%	48	40.7%
2002	1,178	67	5.7%	17	25.4%	17	25.40%	33	49.3%
2003	1,425	124	8.7%	30	24.2%	39	31.50%	55	44.4%
2004	1,471	137	9.3%	26	19.0%	34	24.80%	77	56.2%
2005	1,554	188	12.1%	33	17.6%	58	30.90%	97	51.6%
2006	1,597	146	9.1%	25	17.1%	44	30.10%	77	52.7%
2007	1,652	223	13.5%	19	8.5%	73	32.70%	131	58.7%
2008	1,665	179	10.8%	23	12.8%	49	27.40%	107	59.8%
2009	1,642	182	11.1%	22	12.1%	40	22.00%	120	65.9%
2010	1,764	213	12.1%	27	12.7%	55	25.80%	131	61.5%
2011	1,789	174	9.7%	20	11.5%	51	29.30%	103	59.2%
2012	1,764	164	9.3%	24	14.6%	45	27.40%	95	57.9%
2013	1,740	135	7.8%	19	14.1%	44	32.60%	72	53.3%
2014	1,782	155	8.7%	24	15.5%	46	29.70%	85	54.8%
2015	1,777	128	7.2%	22	17.2%	31	24.20%	75	58.6%
2016	1,733	173	10.0%	23	13.3%	42	24.30%	108	62.4%
2017	1,762	177	10.0%	20	11.3%	54	30.50%	103	58.2%
2018	1,775	177	10.0%	22	12.4%	49	27.68%	106	59.9%
2019	1,794	192	10.7%	15	7.8%	60	31.25%	117	60.9%
2020	1,736	179	10.3%	7	3.1%	46	25.70%	126	70.4%
2021	1,770	198	11.2%	13	6.6%	66	33.33%	119	60.1%

- This table excludes individuals with interim-entry and emergency transfer permits.
- Regulations were passed in 2004 allowing for dual permit operations (indicated by line).

Table 1-6 and Figure 1-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery, but can only fish one of them. An individual may also hold one S03T permit one year, and then in subsequent years hold a different S03T permit. Likewise, individuals may enter and exit the fishery multiple times over the years. Individuals are only counted once as a new entrant and only in the year in which they made their first documented landing on a permanent permit.

The Alaska Board of Fisheries implemented regulations⁴ in 2004 that allows for dual permit operations in Bristol Bay. With the implementation of this regulation, there was a change in the composition of resident types entering the fishery. Prior to dual permit regulations (1975 to 2003), 22.7% of all new entrants were locals, 29.13% were nonlocals, and 48.2% were nonresidents. After dual permit regulations were put in place (2004 to 2021), 12.6% of new entrants have been locals, 28.3% nonlocals, and 59.0% were nonresidents. The new entrants into the 2021 fishery were composed of 6.6% local, 33.3% nonlocal, and 60.1% nonresidents.

Figure 1-3. Rate of New Entrants into the Bristol Bay Salmon Drift Gillnet Fishery, 1975-2021



⁴ See 5 AAC 06.333 and 5 AAC 06.370.

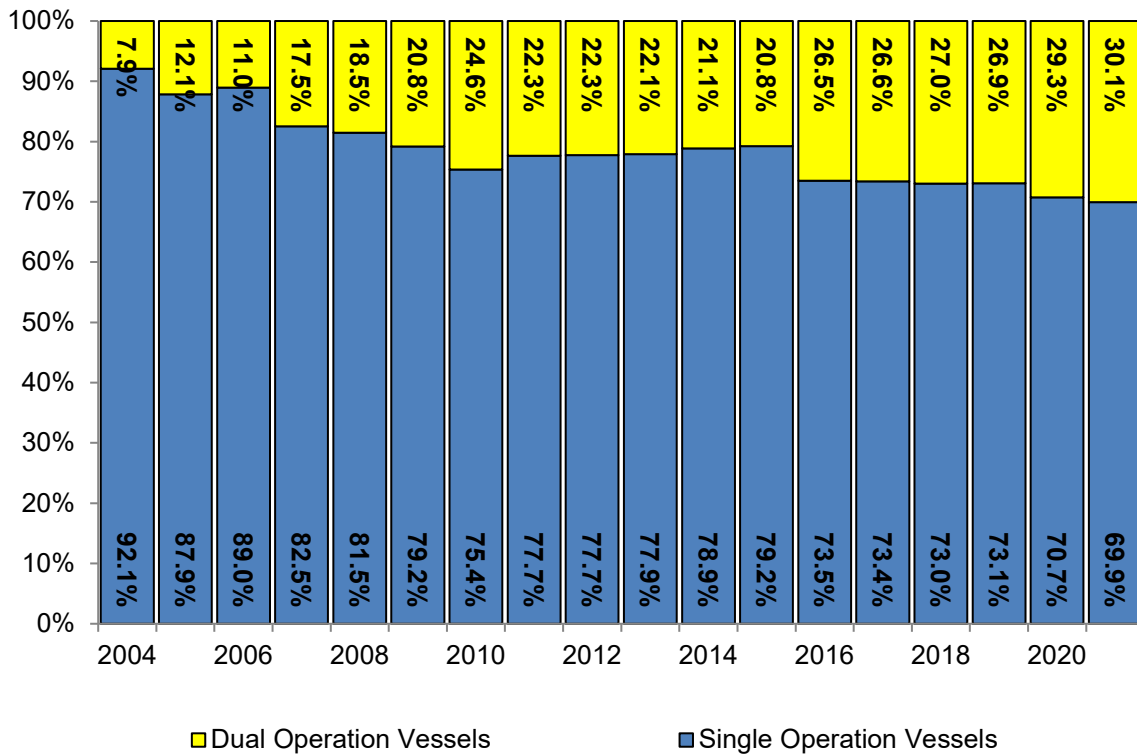
S03T Dual Permit Operations

The Alaska Board of Fisheries enacted 5 AAC 06.333 and 5 AAC 06.370, which allows for two Bristol Bay salmon drift gillnet permit holders to fish from a single vessel starting in 2004.

Note that the tables and figure in this section are for vessels (Figure 1-4 and Table 1-7), permits (Table 1-8) or individuals (Table 1-9 and Table 1-10). Vessels can be used by one or more permit holder. Permits can be transferred (either through ET or permanent transfer) to more than one person in any given year. Counts of permits, individuals, or vessels will not perfectly match on any given year.

Figure 1-4 reports the percentage of vessels that fished as part of a dual operation at least once during the season, as well as all other vessels which are counted as single permit operation vessels.

Figure 1-4. Bristol Bay Drift Gillnet Vessel Operation Type, 2004 – 2021



In 2004, only 7.9% of all vessels fished in a dual permit operation configuration. Since 2004, the rate of vessels fishing as a dual permit operation has steadily increased, and in 2021 was 30.1%.

Vessels that operate in a dual configuration are allowed to deploy up to 200 fathoms of gear, which is an increase of 33.3% additional length of gear from 150 fathoms. Table 1-7 reports on the earnings by vessel for single permit operations and for dual permit operations. Vessels that recorded at least one landing as a dual permit operation are counted as a dual vessel for the entire year, and all other vessels are counted as single permit vessels in this table. In 2021, dual permit operation vessels averaged more than double the gross earnings (106.9%) single permit operation vessels.

Table 1-7. Earnings by Vessel and Operation Type, 2004 – 2021

Year	Single Permit Operations		Dual Permit Operations		Dual % Earnings Over Single
	Vessels	Average Earnings	Vessels	Average Earnings	
2004	1,258	\$67,587	108	\$117,802	74.3%
2005	1,215	\$78,273	168	\$124,251	58.7%
2006	1,288	\$84,544	160	\$156,764	85.4%
2007	1,154	\$84,797	244	\$144,198	70.1%
2008	1,135	\$82,677	258	\$143,128	73.1%
2009	1,070	\$101,384	281	\$182,939	80.4%
2010	1,056	\$103,022	345	\$185,963	80.5%
2011	1,120	\$96,325	322	\$175,620	82.3%
2012	1,111	\$86,458	318	\$152,086	75.9%
2013	1,096	\$91,557	311	\$172,120	88.0%
2014	1,154	\$125,922	309	\$229,857	82.5%
2015	1,168	\$70,227	306	\$137,773	96.2%
2016	1,008	\$109,222	363	\$206,679	89.2%
2017	1,017	\$149,865	369	\$290,810	94.0%
2018	1,008	\$190,065	374	\$390,111	105.3%
2019	1,033	\$171,659	381	\$338,669	97.3%
2020	955	\$115,303	395	\$225,344	95.4%
2021	950	\$164,613	410	\$340,630	106.9%

Table 1-8 shows the use of either permanently transferred permits, or temporary emergency transfer permits used in dual permit operations. Due to the transferability of permits and regrouping of some dual permit operations, counts of dual permit operations will not always match with counts of permit holders.

Table 1-8. Use of Emergency Transfer Permits in Dual Permit Operations

Year	Both Permanent	One Permanent and One ET	Both ET
2004	117	44	0
2005	178	44	3
2006	169	43	2
2007	250	63	5
2008	258	74	5
2009	290	75	3
2010	354	97	1
2011	334	70	1
2012	328	76	4
2013	316	60	2
2014	315	44	4
2015	309	48	3
2016	271	92	8
2017	259	112	4
2018	271	100	5
2019	277	100	6
2020	267	129	2
2021	276	128	7

Table 1-9 reports on the residency type combinations of dual permit holders with landings. Note that permit holders can regroup, thereby increasing the count of total combinations of dual permit operations. This means that if person A fishes with person B, then later person A fishes with person C, both combinations of persons are counted.

Table 1-9. Residence Type of Individuals in Dual Permit Operations

Year	Both Local		Both Nonlocal		Both Nonresident		Local/Nonlocal		Local/Nonresident		Nonlocal/Nonresident		Total Combinations
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	
2004	19	16.8%	18	15.9%	57	50.4%	3	2.7%	2	1.8%	14	12.4%	113
2005	22	12.6%	32	18.4%	88	50.6%	8	4.6%	3	1.7%	21	12.1%	174
2006	26	15.4%	30	17.8%	84	49.7%	9	5.3%	3	1.8%	17	10.1%	169
2007	29	11.5%	51	20.2%	134	53.0%	5	2.0%	3	1.2%	31	12.3%	253
2008	24	9.0%	54	20.2%	134	50.2%	7	2.6%	5	1.9%	43	16.1%	267
2009	21	7.3%	42	14.6%	164	57.1%	6	2.1%	11	3.8%	43	15.0%	287
2010	32	8.9%	52	14.5%	208	58.1%	14	3.9%	7	2.0%	45	12.6%	358
2011	25	7.5%	59	17.6%	191	57.0%	12	3.6%	6	1.8%	42	12.5%	335
2012	26	7.9%	48	14.5%	191	57.9%	8	2.4%	7	2.1%	50	15.2%	330
2013	16	5.1%	55	17.5%	187	59.4%	9	2.9%	3	1.0%	45	14.3%	315
2014	21	6.7%	49	15.6%	190	60.3%	6	1.9%	6	1.9%	43	13.7%	315
2015	23	7.4%	50	16.0%	196	62.8%	6	1.9%	2	0.6%	35	11.2%	312
2016	31	8.4%	65	17.5%	222	59.8%	13	3.5%	7	1.9%	33	8.9%	371
2017	32	8.5%	61	16.3%	226	60.3%	9	2.4%	11	2.9%	36	9.6%	375
2018	33	8.6%	57	14.8%	232	60.3%	4	1.0%	6	1.6%	53	13.8%	385
2019	27	6.9%	64	16.5%	239	61.4%	6	1.5%	5	1.35	48	12.3%	389
2020	24	6.0%	75	18.7%	236	58.7%	6	1.5%	7	1.7%	54	13.4%	402
2021	25	6.0%	81	19.4%	238	56.9%	8	1.9%	4	1.0%	62	14.8%	418

Table 1-10 reports earnings by residency type of permit holders and their operation type. Individuals that participated at any time in a dual permit operation are categorized in the dual permit operation group. Note that earnings are averaged by individual, not permit.

Table 1-10. Real (2022) Earnings of S03T Permit Holders by Resident and Operation Type

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2004	Local	Dual	40	\$1,279,016	\$31,975	2.7%	1.3%
		Single	316	\$14,888,103	\$47,114	21.4%	15.2%
		Combined	356	\$16,167,119	\$45,413	24.2%	16.5%
	Nonlocal	Dual	52	\$3,247,052	\$62,443	3.5%	3.3%
		Single	291	\$19,629,802	\$67,456	19.7%	20.1%
		Combined	343	\$22,876,854	\$66,696	23.3%	23.4%
	Nonresident	Dual	129	\$8,229,597	\$63,795	8.8%	8.4%
		Single	646	\$50,474,007	\$78,133	43.8%	51.6%
		Combined	775	\$58,703,604	\$75,747	52.6%	60.1%
Total	Dual		221	\$12,755,665	\$57,718	15.0%	13.0%
	Single		1,253	\$84,991,912	\$67,831	85.0%	87.0%
	Combined		1,474	\$97,747,577	\$66,315	100.0%	100.0%

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2005	Local	Dual	52	\$2,437,369	\$46,872	3.3%	2.1%
		Single	312	\$16,858,902	\$54,035	20.0%	14.5%
		Combined	364	\$19,296,271	\$53,012	23.4%	16.6%
	Nonlocal	Dual	92	\$5,593,995	\$60,804	5.9%	4.8%
		Single	278	\$20,471,519	\$73,639	17.9%	17.7%
		Combined	370	\$26,065,514	\$70,447	23.8%	22.5%
	Nonresident	Dual	198	\$12,812,102	\$64,708	12.7%	11.0%
		Single	625	\$57,801,840	\$92,483	40.1%	49.8%
		Combined	823	\$70,613,942	\$85,801	52.9%	60.9%
Total	Dual	342	\$20,843,466	\$60,946	22.0%	18.0%	
	Single	1,215	\$95,132,261	\$78,298	78.0%	82.0%	
	Combined	1,557	\$115,975,727	\$74,487	100.0%	100.0%	
2006	Local	Dual	60	\$2,749,426	\$45,824	3.8%	2.1%
		Single	303	\$18,529,950	\$61,155	19.0%	13.8%
		Combined	363	\$21,279,376	\$58,621	22.7%	15.9%
	Nonlocal	Dual	83	\$7,349,401	\$88,547	5.2%	5.5%
		Single	303	\$25,786,030	\$85,102	19.0%	19.2%
		Combined	386	\$33,135,431	\$85,843	24.2%	24.7%
	Nonresident	Dual	186	\$15,032,204	\$80,818	11.6%	11.2%
		Single	662	\$64,527,827	\$97,474	41.5%	48.2%
		Combined	848	\$79,560,032	\$93,821	53.1%	59.4%
Total	Dual	329	\$25,131,032	\$76,386	20.6%	18.8%	
	Single	1,268	\$108,843,807	\$85,839	79.4%	81.2%	
	Combined	1,597	\$133,974,839	\$83,892	100.0%	100.0%	
2007	Local	Dual	64	\$2,686,475	\$41,976	3.9%	2.0%
		Single	280	\$17,601,903	\$62,864	16.9%	13.2%
		Combined	344	\$20,288,377	\$58,978	20.8%	15.2%
	Nonlocal	Dual	135	\$9,963,209	\$73,802	8.2%	7.5%
		Single	277	\$22,482,205	\$81,163	16.8%	16.9%
		Combined	412	\$32,445,414	\$78,751	24.9%	24.4%
	Nonresident	Dual	298	\$22,615,102	\$75,890	18.0%	17.0%
		Single	598	\$57,690,649	\$96,473	36.2%	43.4%
		Combined	896	\$80,305,751	\$89,627	54.2%	60.4%
Total	Dual	497	\$35,264,786	\$70,955	30.1%	26.5%	
	Single	1,155	\$97,774,756	\$84,653	69.9%	73.5%	
	Combined	1,652	\$133,039,543	\$80,532	100.0%	100.0%	
2008	Local	Dual	58	\$2,906,094	\$50,105	3.5%	2.2%
		Single	282	\$15,496,601	\$54,952	16.9%	11.9%
		Combined	340	\$18,402,695	\$54,126	20.4%	14.1%
	Nonlocal	Dual	154	\$10,687,431	\$69,399	9.2%	8.2%
		Single	275	\$21,378,126	\$77,739	16.5%	16.3%
		Combined	429	\$32,065,557	\$74,745	25.8%	24.5%
	Nonresident	Dual	313	\$23,333,627	\$74,548	18.8%	17.8%
		Single	583	\$56,963,329	\$97,707	35.0%	43.6%
		Combined	896	\$80,296,956	\$89,617	53.8%	61.4%
Total	Dual	525	\$36,927,153	\$70,337	31.5%	28.2%	
	Single	1,140	\$93,838,056	\$82,314	68.5%	71.8%	
	Combined	1,665	\$130,765,208	\$78,538	100.0%	100.0%	

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2009	Local	Dual	58	\$4,021,816	\$69,342	3.5%	2.5%
		Single	248	\$16,538,206	\$66,686	15.1%	10.3%
		Combined	306	\$20,560,022	\$67,190	18.6%	12.9%
	Nonlocal	Dual	133	\$12,256,393	\$92,153	8.1%	7.7%
		Single	253	\$24,549,991	\$97,036	15.4%	15.4%
		Combined	386	\$36,806,384	\$95,353	23.5%	23.0%
	Nonresident	Dual	377	\$35,138,611	\$93,206	23.0%	22.0%
		Single	573	\$67,382,026	\$117,595	34.9%	42.1%
		Combined	950	\$102,520,637	\$107,916	57.9%	64.1%
Total	Dual	568	\$51,416,820	\$90,523	34.6%	32.2%	
	Single	1,074	\$108,470,224	\$100,996	65.4%	67.8%	
	Combined	1,642	\$159,887,044	\$97,373	100.0%	100.0%	
2010	Local	Dual	83	\$5,879,695	\$70,840	4.7%	3.4%
		Single	242	\$17,531,405	\$72,444	13.7%	10.1%
		Combined	325	\$23,411,100	\$72,034	18.4%	13.5%
	Nonlocal	Dual	162	\$14,824,017	\$91,506	9.2%	8.6%
		Single	267	\$26,584,869	\$99,569	15.1%	15.4%
		Combined	429	\$41,408,885	\$96,524	24.3%	23.9%
	Nonresident	Dual	458	\$43,534,569	\$95,054	26.0%	25.2%
		Single	552	\$64,593,529	\$117,017	31.3%	37.3%
		Combined	1,010	\$108,128,098	\$107,058	57.3%	62.5%
Total	Dual	703	\$64,238,280	\$91,377	39.9%	37.1%	
	Single	1,061	\$108,709,803	\$102,460	60.1%	62.9%	
	Combined	1,764	\$172,948,083	\$98,043	100.0%	100.0%	
2011	Local	Dual	65	\$3,640,715	\$56,011	3.6%	2.2%
		Single	267	\$17,328,792	\$64,902	14.9%	10.5%
		Combined	332	\$20,969,507	\$63,161	18.6%	12.8%
	Nonlocal	Dual	169	\$14,352,404	\$84,925	9.4%	8.7%
		Single	275	\$24,700,730	\$89,821	15.4%	15.0%
		Combined	444	\$39,053,134	\$87,958	24.8%	23.8%
	Nonresident	Dual	423	\$38,514,162	\$91,050	23.6%	23.4%
		Single	590	\$65,896,347	\$111,689	33.0%	40.1%
		Combined	1,013	\$104,410,510	\$103,071	56.6%	63.5%
Total	Dual	657	\$56,507,282	\$86,008	36.7%	34.4%	
	Single	1,132	\$107,925,869	\$95,341	63.3%	65.6%	
	Combined	1,789	\$164,433,151	\$91,913	100.0%	100.0%	
2012	Local	Dual	64	\$2,858,083	\$44,658	3.6%	2.0%
		Single	262	\$14,882,731	\$56,804	14.9%	10.3%
		Combined	326	\$17,740,813	\$54,420	18.5%	12.3%
	Nonlocal	Dual	154	\$11,355,284	\$73,736	8.7%	7.9%
		Single	279	\$22,678,932	\$81,286	15.8%	15.7%
		Combined	433	\$34,034,216	\$78,601	24.5%	23.6%
	Nonresident	Dual	430	\$34,568,729	\$80,392	24.4%	23.9%
		Single	575	\$58,074,240	\$100,999	32.6%	40.2%
		Combined	1,005	\$92,642,969	\$92,182	57.0%	64.1%
Total	Dual	648	\$48,782,096	\$75,281	36.7%	33.8%	
	Single	1,116	\$95,635,902	\$85,695	63.3%	66.2%	
	Combined	1,764	\$144,417,998	\$81,870	100.0%	100.0%	

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2013	Local	Dual	42	\$2,763,097	\$65,788	2.4%	1.8%
		Single	275	\$16,602,646	\$60,373	15.8%	10.8%
		Combined	317	\$19,365,743	\$61,091	18.2%	12.6%
	Nonlocal	Dual	164	\$12,526,436	\$76,381	9.4%	8.1%
		Single	285	\$25,727,258	\$90,271	16.4%	16.7%
		Combined	449	\$38,253,695	\$85,198	25.8%	24.9%
	Nonresident	Dual	419	\$38,368,930	\$91,573	24.1%	24.9%
		Single	555	\$57,887,084	\$104,301	31.9%	37.6%
		Combined	974	\$96,256,013	\$98,825	56.0%	62.6%
Total	Dual	625	\$53,658,463	\$85,854	35.9%	34.9%	
	Single	1,115	\$100,216,988	\$89,881	64.1%	65.1%	
	Combined	1,740	\$153,875,451	\$88,434	100.0%	100.0%	
2014	Local	Dual	54	\$4,081,425	\$75,582	3.0%	1.9%
		Single	268	\$21,140,643	\$78,883	15.0%	9.8%
		Combined	322	\$25,222,068	\$78,329	18.1%	11.7%
	Nonlocal	Dual	145	\$17,316,292	\$119,423	8.1%	8.0%
		Single	322	\$39,463,525	\$122,558	18.1%	18.2%
		Combined	467	\$56,779,817	\$121,584	26.2%	26.2%
	Nonresident	Dual	422	\$49,633,055	\$117,614	23.7%	22.9%
		Single	571	\$84,704,714	\$148,345	32.0%	39.2%
		Combined	993	\$134,337,769	\$135,285	55.7%	62.1%
Total	Dual	621	\$71,030,772	\$114,381	34.8%	32.8%	
	Single	1,161	\$145,308,882	\$125,158	65.2%	67.2%	
	Combined	1,782	\$216,339,654	\$121,403	100.0%	100.0%	
2015	Local	Dual	54	\$2,607,333	\$48,284	3.0%	2.1%
		Single	257	\$11,130,889	\$43,311	14.5%	9.0%
		Combined	311	\$13,738,223	\$44,174	17.5%	11.1%
	Nonlocal	Dual	139	\$9,657,445	\$69,478	7.8%	7.8%
		Single	309	\$22,165,667	\$71,734	17.4%	17.8%
		Combined	448	\$31,823,112	\$71,034	25.2%	25.6%
	Nonresident	Dual	421	\$30,177,358	\$71,680	23.7%	24.3%
		Single	597	\$48,444,589	\$81,147	33.6%	39.0%
		Combined	1,018	\$78,621,946	\$77,232	57.3%	63.3%
Total	Dual	614	\$42,442,136	\$69,124	34.6%	34.2%	
	Single	1,163	\$81,741,145	\$70,285	65.4%	65.8%	
	Combined	1,777	\$124,183,281	\$69,884	100.0%	100.0%	
2016	Local	Dual	57	\$5,043,518	\$88,483	3.3%	2.7%
		Single	240	\$15,442,188	\$64,342	13.8%	8.3%
		Combined	297	\$20,485,705	\$68,975	17.1%	11.1%
	Nonlocal	Dual	133	\$18,099,322	\$136,085	7.7%	9.8%
		Single	303	\$30,704,407	\$101,335	17.5%	16.6%
		Combined	436	\$48,803,729	\$111,935	25.2%	26.4%
	Nonresident	Dual	337	\$51,809,714	\$153,738	19.4%	28.0%
		Single	663	\$64,020,604	\$96,562	38.3%	34.6%
		Combined	1,000	\$115,830,319	\$115,830	57.7%	62.6%
Total	Dual	527	\$74,952,554	\$142,225	30.4%	40.5%	
	Single	1,206	\$110,167,200	\$91,349	69.6%	59.5%	
	Combined	1,733	\$185,119,753	\$106,820	100.0%	100.0%	

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2017	Local	Dual	62	\$8,472,339	\$136,651	3.5%	3.3%
		Single	244	\$20,491,436	\$83,981	13.8%	7.9%
		Combined	306	\$28,963,775	\$94,653	17.4%	11.2%
	Nonlocal	Dual	118	\$24,335,837	\$206,236	6.7%	9.4%
		Single	335	\$45,419,649	\$135,581	19.0%	17.5%
		Combined	453	\$69,755,486	\$153,986	25.7%	26.9%
	Nonresident	Dual	339	\$74,493,596	\$219,745	19.2%	28.7%
		Single	664	\$86,509,004	\$130,285	37.7%	33.3%
		Combined	1,003	\$161,002,600	\$160,521	56.9%	62.0%
Total	Dual	519	\$107,301,772	\$206,747	29.5%	41.3%	
	Single	1,243	\$152,420,089	\$122,623	70.5%	58.7%	
	Combined	1,762	\$259,721,861	\$147,402	100.0%	100.0%	
2018	Local	Dual	51	\$10,075,818	\$197,565	2.9%	3.0%
		Single	252	\$30,029,488	\$119,165	14.2%	8.9%
		Combined	303	\$40,105,306	\$132,361	17.1%	11.9%
	Nonlocal	Dual	116	\$34,423,655	\$296,756	6.5%	10.2%
		Single	345	\$57,701,180	\$167,250	19.4%	17.1%
		Combined	461	\$92,124,835	\$199,837	26.0%	27.3%
	Nonresident	Dual	336	\$101,203,632	\$301,201	18.9%	30.0%
		Single	675	\$104,053,076	\$154,153	38.0%	30.8%
		Combined	1,011	\$205,256,709	\$203,023	56.9%	60.8%
Total	Dual	503	\$145,703,106	\$289,668	28.3%	43.2%	
	Single	1,273	\$191,783,744	\$150,655	71.7%	56.8%	
	Combined	1,776	\$337,486,850	\$190,026	100.0%	100.0%	
2019	Local	Dual	55	\$7,011,636	\$127,484	3.1%	2.3%
		Single	231	\$24,763,261	\$107,200	12.9%	8.1%
		Combined	286	\$31,774,897	\$111,101	15.9%	10.4%
	Nonlocal	Dual	139	\$31,638,752	\$227,617	7.7%	10.3%
		Single	347	\$54,570,847	\$157,265	19.3%	17.8%
		Combined	486	\$86,209,598	\$177,386	27.1%	28.1%
	Nonresident	Dual	384	\$90,257,045	\$235,044	21.4%	29.5%
		Single	638	\$98,115,487	\$153,786	35.5%	32.0%
		Combined	1,022	\$188,372,532	\$184,318	56.9%	61.5%
Total	Dual	578	\$128,907,432	\$223,023	32.2%	42.1%	
	Single	1,217	\$177,449,595	\$145,809	67.8%	57.9%	
	Combined	1,795	\$306,357,027	\$170,672	100.0%	100.0%	
2020	Local	Dual	45	\$4,209,636	\$93,547	2.6%	2.1%
		Single	211	\$13,671,636	\$64,794	12.2%	6.9%
		Combined	256	\$17,881,272	\$69,849	14.7%	9.0%
	Nonlocal	Dual	156	\$24,133,909	\$154,705	9.0%	12.1%
		Single	325	\$33,178,434	\$102,087	18.7%	16.7%
		Combined	481	\$57,312,343	\$119,152	27.7%	28.8%
	Nonresident	Dual	366	\$60,642,744	\$165,691	21.1%	30.5%
		Single	633	\$63,288,595	\$99,982	36.5%	31.8%
		Combined	999	\$123,931,339	\$124,055	57.5%	62.2%
Total	Dual	567	\$88,986,288	\$156,942	32.7%	44.7%	
	Single	1,169	\$110,138,665	\$94,216	67.3%	55.30%	
	Combined	1,736	\$199,124,954	\$114,703	100.0%	100.0%	

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Residency	Operation	Individuals	Total Gross Earnings	Average Gross Earnings	Percent of Permit Holders with Landings	Percent of Total Gross Earnings
2021	Local	Dual	40	\$6,863,089	\$171,577	2.3%	2.3%
		Single	212	\$20,913,265	\$98,647	12.0%	7.1%
		Combined	252	\$27,776,354	\$110,224	14.2%	9.4%
	Nonlocal	Dual	158	\$43,659,681	\$276,327	8.9%	14.7%
		Single	339	\$50,292,667	\$148,356	19.2%	17.0%
		Combined	497	\$93,952,348	\$189,039	28.1%	31.7%
	Nonresident	Dual	366	\$89,049,975	\$243,306	20.7%	30.1%
		Single	655	\$85,262,212	\$130,171	37.0%	28.8%
		Combined	1,021	\$174,312,187	\$170,727	57.7%	58.9%
Total	Dual	564	\$139,572,746	\$247,469	31.9%	47.1%	
	Single	1,206	\$156,468,144	\$129,741	68.10%	52.9%	
	Combined	1,770	\$296,040,889	\$167,255	100.00%	100.0%	

Age of S03T Permit Holders

Table 1-11. Mean Age of Select CFEC Permit Holders and the General Alaskan Population

Year	S03T	Combined Bristol Bay Salmon	Statewide Salmon Drift Gillnet	Statewide All Permits	Mean AK Working Age
1980	42.9	40.1	42.1	38.9	33.4
1981	42.8	40.0	41.9	39.9	33.5
1982	42.2	39.8	41.4	40.0	33.6
1983	42.1	39.8	41.4	40.2	33.7
1984	42.3	40.2	41.7	40.4	33.8
1985	42.6	40.6	41.9	40.8	34.0
1986	42.9	40.8	42.0	41.0	34.2
1987	43.2	41.2	42.3	40.9	34.5
1988	43.3	41.4	42.6	41.2	34.9
1989	43.7	42.0	42.8	41.5	35.3
1990	44.2	42.5	43.2	42.0	35.5
1991	44.6	42.9	43.7	42.5	35.9
1992	44.9	43.2	44.2	42.9	36.2
1993	45.3	43.7	44.7	43.5	36.5
1994	45.7	44.1	45.1	44.0	36.7
1995	45.8	44.4	45.3	44.4	37.0
1996	46.1	44.6	45.5	44.8	37.2
1997	46.6	45.0	46.0	45.1	37.4
1998	46.7	45.3	46.2	45.6	37.6
1999	47.2	45.7	46.7	46.0	37.8
2000	47.7	46.0	47.1	46.4	37.9
2001	48.0	46.3	47.6	46.9	38.1
2002	48.6	47.0	48.2	47.4	38.3
2003	48.8	47.2	48.5	47.9	38.4
2004	48.9	47.2	48.7	48.2	38.6
2005	48.5	46.7	48.5	48.4	38.7
2006	48.6	46.6	48.6	48.7	38.8
2007	47.7	46.3	48.3	48.9	38.9
2008	47.8	46.4	48.4	49.0	39.0
2009	47.8	46.4	48.4	49.3	39.1
2010	47.5	46.3	48.1	49.5	39.2
2011	47.7	46.6	48.0	49.6	39.4
2012	47.6	46.7	47.8	49.8	39.4

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Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	S03T	Combined Bristol Bay Salmon	Statewide Salmon Drift Gillnet	Statewide All Permits	Mean AK Working Age
2013	47.5	46.4	47.7	50.0	39.5
2014	47.6	46.5	47.8	50.2	39.5
2015	47.9	46.8	48.1	50.6	39.5
2016	48.1	47.2	48.4	50.9	39.6
2017	48.1	47.3	48.7	51.3	39.6
2018	47.9	47.2	48.9	51.7	40.1
2019	47.6	47.2	48.9	51.9	40.1
2020	47.9	47.4	49.4	52.3	40.0
2021	47.6	47.3	49.4	52.6	39.9

- *Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.*
- *Age data from the CFEC permit file is as of December 31st of each year.*

Table 1-11 shows the annual mean age of five different cohorts of people: 1) Bristol Bay salmon drift gillnet (S03T) permit holders; 2) combined Bristol Bay salmon permit holders; 3) statewide salmon drift gillnet permit holders 4) all CFEC limited entry permit holders; and 5) the Alaskan working age population.

Note that these figures include ages of permit holders for both transferable and non-transferable permits; however, there were no non-transferable S03T 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 they hold.

The mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The mean age of all CFEC permit holders has increased 13.7 years over that same time period. For statewide salmon drift gillnet permit holders age increased by 7.3 years, and 7.2 years for the combined Bristol Bay salmon permit holders.

For S03T permit holders, the mean age increased by 4.7 years since 1980.

S03T Permit Value

Many permit transfers are non-monetary transactions (see Table 1-2). Table 1-12 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 1-12. CFEC Estimated Value of Bristol Bay Salmon Drift Gillnet Permits

Year	S03T Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1987	79	\$130,100	\$18,787.73	\$322,000	\$46,500
1988	67	\$178,600	\$42,998.63	\$424,500	\$102,200
1989	44	\$255,600	\$33,603.73	\$579,600	\$76,200
1990	60	\$217,100	\$21,561.30	\$467,200	\$46,400
1991	57	\$209,200	\$25,078.82	\$432,100	\$51,800
1992	61	\$192,000	\$28,041.58	\$384,800	\$56,200
1993	60	\$198,600	\$18,914.29	\$386,400	\$36,800
1994	74	\$166,500	\$15,500.63	\$315,800	\$29,400
1995	79	\$195,300	\$19,459.53	\$360,300	\$35,900
1996	64	\$171,800	\$11,884.83	\$307,900	\$21,300
1997	63	\$153,800	\$23,701.08	\$269,300	\$41,500
1998	64	\$96,700	\$8,869.96	\$166,800	\$15,300
1999	49	\$88,500	\$8,056.22	\$149,400	\$13,600
2000	60	\$80,400	\$12,859.10	\$131,300	\$21,000
2001	63	\$34,000	\$8,877.78	\$54,000	\$14,100
2002	84	\$19,800	\$2,819.42	\$30,900	\$4,400
2003	111	\$29,600	\$3,994.69	\$45,200	\$6,100
2004	83	\$36,700	\$4,092.69	\$54,700	\$6,100
2005	139	\$51,300	\$9,024.36	\$73,900	\$13,000
2006	99	\$75,000	\$5,807.84	\$104,600	\$8,100
2007	147	\$79,400	\$5,013.18	\$107,700	\$6,800
2008	88	\$89,800	\$5,516.72	\$117,200	\$7,200
2009	100	\$78,000	\$5,876.71	\$102,200	\$7,700
2010	126	\$102,300	\$15,112.50	\$132,000	\$19,500
2011	84	\$143,600	\$15,208.47	\$179,400	\$19,000
2012	80	\$110,800	\$12,329.26	\$135,700	\$15,100
2013	86	\$100,400	\$13,833.99	\$121,200	\$16,700
2014	75	\$149,500	\$11,117.75	\$177,500	\$13,200
2015	53	\$148,200	\$22,002.39	\$175,800	\$26,100
2016	63	\$108,900	\$12,801.72	\$127,600	\$15,000
2017	76	\$133,300	\$6,015.50	\$152,900	\$6,900
2018	84	\$153,000	\$8,306.48	\$171,300	\$9,300
2019	81	\$175,000	\$6,275.99	\$192,400	\$6,900
2020	55	\$169,400	\$16,387.61	\$184,000	\$17,800
2021	99	\$188,300	\$18,309.62	\$195,400	\$19,000

- 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.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Bristol Bay Salmon Drift Gillnet Vessel Characteristics

Table 1-13 reports on various vessel characteristics of the Bristol Bay salmon drift gillnet fleet since 1978. Reported in this table are the age, length, horsepower, hold refrigeration, and hold capacity. This data is from the vessel license file which includes voluntarily supplied information on vessels. The first column of each category is the count of vessels with the described characteristics; other statistics reported include the 25th percentile, median, and 75th percentile.

Table 1-13. Bristol Bay Salmon Drift Gillnet Vessel Characteristics

Year	Vessel Count	Age				Length				Horsepower				Refrigeration			Hold Capacity			
		Count	25%	Median	75%	Count	25%	Median	75%	Count	25%	Median	75%	Considered	Count	%	Count	25%	Median	75%
1978	1,563	1,457	5	13	18	1,510	27	32	32	1,469	95	160	220	1,245	9	0.70%	559	160	200	300
1979	1,711	1,619	2	11	18	1,643	28	32	32	1,535	110	165	225	1,381	14	1.00%	662	175	216	300
1980	1,802	1,682	1	7	19	1,695	29	32	32	1,532	130	185	270	1,451	15	1.00%	759	200	250	350
1981	1,786	1,695	2	5	18	1,701	29	32	32	1,554	140	200	270	1,490	14	0.90%	744	200	250	350
1982	1,802	1,729	2	4	17	1,731	30	32	32	1,592	160	210	280	1,576	14	0.90%	790	200	269	360
1983	1,802	1,742	3	5	17	1,741	30	32	32	1,661	165	225	286	1,622	13	0.80%	839	200	280	360
1984	1,838	1,779	4	5	17	1,783	31	32	32	1,719	165	230	300	1,681	15	0.90%	902	200	300	375
1985	1,829	1,802	5	6	16	1,805	31	32	32	1,746	165	250	315	1,708	18	1.10%	966	200	300	396
1986	1,849	1,843	5	7	15	1,846	32	32	32	1,790	185	250	320	1,753	27	1.50%	1,031	200	300	400
1987	1,861	1,857	5	8	16	1,859	32	32	32	1,795	185	260	320	1,753	30	1.70%	1,030	200	300	400
1988	1,867	1,864	6	9	14	1,865	32	32	32	1,813	185	260	330	1,761	30	1.70%	1,075	210	300	400
1989	1,892	1,891	6	9	12	1,891	32	32	32	1,847	200	260	330	1,795	43	2.40%	1,102	217	300	400
1990	1,905	1,904	7	10	13	1,904	32	32	32	1,859	200	270	330	1,784	58	3.30%	1,102	225	312	400
1991	1,894	1,894	7	11	13	1,894	32	32	32	1,859	210	270	350	1,769	77	4.40%	1,099	240	320	407
1992	1,912	1,912	8	12	14	1,912	32	32	32	1,879	210	270	350	1,789	90	5.00%	1,131	240	320	405
1993	1,918	1,918	8	13	15	1,918	32	32	32	1,883	210	275	350	1,788	108	6.00%	1,119	240	320	407
1994	1,889	1,888	9	14	16	1,889	32	32	32	1,853	220	280	375	1,760	130	7.40%	1,113	240	321	405
1995	1,915	1,913	9	15	17	1,915	32	32	32	1,875	225	286	380	1,779	155	8.70%	1,119	245	325	420
1996	1,921	1,920	9	16	17	1,921	32	32	32	1,877	230	300	400	1,779	181	10.20%	1,103	250	325	430
1997	1,898	1,897	10	16	18	1,898	32	32	32	1,860	235	300	420	1,763	197	11.20%	1,073	250	325	430
1998	1,868	1,867	11	18	19	1,868	32	32	32	1,833	235	300	425	1,736	206	11.90%	1,047	240	325	430
1999	1,868	1,866	12	18	20	1,868	32	32	32	1,833	235	300	425	1,732	213	12.30%	1,038	240	323	430
2000	1,836	1,836	12	19	21	1,836	32	32	32	1,805	240	310	425	1,712	213	12.40%	1,033	240	325	430
2001	1,567	1,566	13	20	22	1,567	32	32	32	1,539	240	310	425	1,468	188	12.80%	884	240	320	430
2002	1,175	1,170	14	20	23	1,175	32	32	32	1,152	240	306	425	1,094	153	14.00%	645	240	325	450
2003	1,407	1,404	15	21	24	1,407	32	32	32	1,378	250	310	425	1,311	183	14.00%	757	240	325	450
2004	1,366	1,362	16	22	25	1,366	32	32	32	1,339	250	310	430	1,270	191	15.00%	733	240	325	450
2005	1,383	1,381	17	23	26	1,383	32	32	32	1,354	250	310	425	1,297	204	15.70%	759	240	321	430
2006	1,448	1,446	17	24	27	1,448	32	32	32	1,421	250	315	430	1,362	217	15.90%	789	240	325	450
2007	1,398	1,397	18	25	28	1,398	32	32	32	1,371	250	320	430	1,322	225	17.00%	767	240	325	450
2008	1,393	1,392	19	26	29	1,393	32	32	32	1,370	250	320	430	1,321	236	17.90%	767	240	325	450
2009	1,351	1,350	20	27	30	1,351	32	32	32	1,331	250	320	435	1,285	250	19.50%	747	245	325	450
2010	1,401	1,400	21	28	31	1,401	32	32	32	1,377	250	320	435	1,337	279	20.90%	781	250	334	450
2011	1,442	1,442	22	29	32	1,442	32	32	32	1,414	250	320	435	1,386	320	23.10%	801	245	334	450
2012	1,429	1,429	23	29	33	1,429	32	32	32	1,401	250	330	450	1,382	368	26.60%	813	240	325	451
2013	1,407	1,407	23	30	34	1,407	32	32	32	1,379	250	330	450	1,359	395	29.10%	796	248	325	450
2014	1,463	1,462	24	31	35	1,462	32	32	32	1,428	260	330	460	1,409	430	30.50%	825	245	340	480
2015	1,474	1,474	25	32	36	1,474	32	32	32	1,445	260	350	460	1,424	465	32.70%	843	250	350	480
2016	1,371	1,366	25	32	36	1,366	32	32	32	1,344	260	350	480	1,321	484	36.60%	776	250	350	490
2017	1,386	1,386	26	33	37	1,386	32	32	32	1,366	265	370	500	1,337	519	38.80%	777	250	350	500
2018	1,382	1,382	27	34	38	1,382	32	32	32	1,359	270	375	503	1,331	575	43.20%	777	250	350	500
2019	1,414	1,414	26	34	39	1,414	32	32	32	1,387	270	380	525	1,365	632	46.30%	816	250	350	500
2020	1,350	1,348	26	34	40	1,348	32	32	32	1,327	290	400	600	1,300	675	51.90%	794	256	365	512
2021	1,360	1,358	26	34	41	1,358	32	32	32	1,334	300	420	600	1,311	722	55.10%	815	256	375	550
Total	4,584	.	.	.	.	4,391	28	32	32	4,221	140	250	375	4,017	810	20.20%	2,141	200	300	440

• Total includes every vessel used in this fishery from 1978 to 2021.

Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Table 1-14 provides additional Bristol Bay salmon drift gillnet vessel characteristics. Included are statistics of engine propulsion and hull material for each year since 1978.

Table 1-14. Additional Bristol Bay Salmon Drift Gillnet Vessel Characteristics

Year	Vessel Count	Engine Power				Hull Material					
		Count	Diesel	Gas	Count	Aluminum	Fiberglass	Steel	Rubber	Wood	
1978	1,563	1,503	320 21.3%	1183 78.7%	1,512	117 7.7%	262 17.3%	1 0.1%	0 0.0%	1132 74.9%	
1979	1,711	1,625	465 28.6%	1160 71.4%	1,638	186 11.4%	410 25.0%	1 0.1%	0 0.0%	1041 63.6%	
1980	1,802	1,695	680 40.1%	1015 59.9%	1,686	251 14.9%	602 35.7%	0 0.0%	0 0.0%	833 49.4%	
1981	1,786	1,704	723 42.4%	981 57.6%	1,687	268 15.9%	638 37.8%	2 0.1%	0 0.0%	779 46.2%	
1982	1,802	1,734	839 48.4%	895 51.6%	1,725	314 18.2%	735 42.6%	2 0.1%	0 0.0%	674 39.1%	
1983	1,802	1,743	896 51.4%	847 48.6%	1,740	338 19.4%	774 44.5%	2 0.1%	0 0.0%	626 36.0%	
1984	1,838	1,781	953 53.5%	828 46.5%	1,780	371 20.8%	829 46.6%	1 0.1%	0 0.0%	579 32.5%	
1985	1,829	1,803	1016 56.4%	787 43.6%	1,802	398 22.1%	883 49.0%	1 0.1%	0 0.0%	520 28.9%	
1986	1,849	1,839	1094 59.5%	745 40.5%	1,843	450 24.4%	918 49.8%	1 0.1%	0 0.0%	474 25.7%	
1987	1,861	1,844	1118 60.6%	726 39.4%	1,856	472 25.4%	940 50.6%	1 0.1%	0 0.0%	443 23.9%	
1988	1,867	1,856	1187 64.0%	669 36.0%	1,861	508 27.3%	952 51.2%	1 0.1%	0 0.0%	400 21.5%	
1989	1,892	1,883	1250 66.4%	633 33.6%	1,888	557 29.5%	986 52.2%	1 0.1%	0 0.0%	344 18.2%	
1990	1,905	1,892	1295 68.4%	597 31.6%	1,899	597 31.4%	991 52.2%	0 0.0%	0 0.0%	311 16.4%	
1991	1,894	1,888	1334 70.7%	554 29.3%	1,888	619 32.8%	996 52.8%	0 0.0%	0 0.0%	273 14.5%	
1992	1,912	1,905	1377 72.3%	528 27.7%	1,906	634 33.3%	1017 53.4%	0 0.0%	0 0.0%	255 13.4%	
1993	1,918	1,908	1412 74.0%	496 26.0%	1,911	672 35.2%	1006 52.6%	0 0.0%	0 0.0%	233 12.2%	
1994	1,889	1,880	1430 76.1%	450 23.9%	1,883	679 36.1%	993 52.7%	0 0.0%	0 0.0%	211 11.2%	
1995	1,915	1,900	1477 77.7%	423 22.3%	1,910	716 37.5%	1001 52.4%	1 0.1%	0 0.0%	192 10.1%	
1996	1,921	1,902	1505 79.1%	397 20.9%	1,916	754 39.4%	989 51.6%	0 0.0%	0 0.0%	173 9.0%	
1997	1,898	1,882	1516 80.6%	366 19.4%	1,892	767 40.5%	974 51.5%	0 0.0%	0 0.0%	151 8.0%	
1998	1,868	1,855	1500 80.9%	355 19.1%	1,864	753 40.4%	960 51.5%	0 0.0%	0 0.0%	151 8.1%	
1999	1,868	1,856	1505 81.1%	351 18.9%	1,865	765 41.0%	963 51.6%	0 0.0%	0 0.0%	137 7.3%	
2000	1,836	1,825	1497 82.0%	328 18.0%	1,834	765 41.7%	952 51.9%	0 0.0%	0 0.0%	117 6.4%	
2001	1,567	1,557	1269 81.5%	288 18.5%	1,565	672 42.9%	805 51.4%	0 0.0%	0 0.0%	88 5.6%	
2002	1,175	1,165	938 80.5%	227 19.5%	1,173	525 44.8%	591 50.4%	0 0.0%	1 0.1%	56 4.8%	
2003	1,407	1,397	1144 81.9%	253 18.1%	1,406	626 44.5%	716 50.9%	0 0.0%	1 0.1%	63 4.5%	
2004	1,366	1,356	1128 83.2%	228 16.8%	1,365	613 44.9%	698 51.1%	0 0.0%	1 0.1%	53 3.9%	
2005	1,383	1,372	1138 82.9%	234 17.1%	1,383	639 46.2%	695 50.3%	0 0.0%	1 0.1%	48 3.5%	
2006	1,448	1,438	1190 82.8%	248 17.2%	1,448	694 47.9%	712 49.2%	0 0.0%	1 0.1%	41 2.8%	
2007	1,398	1,389	1174 84.5%	215 15.5%	1,398	668 47.8%	692 49.5%	0 0.0%	1 0.1%	37 2.6%	
2008	1,393	1,385	1182 85.3%	203 14.7%	1,393	670 48.1%	685 49.2%	0 0.0%	1 0.1%	37 2.7%	
2009	1,351	1,343	1163 86.6%	180 13.4%	1,351	658 48.7%	661 48.9%	0 0.0%	0 0.0%	32 2.4%	
2010	1,401	1,394	1202 86.2%	192 13.8%	1,401	688 49.1%	685 48.9%	0 0.0%	0 0.0%	28 2.0%	
2011	1,442	1,435	1248 87.0%	187 13.0%	1,442	708 49.1%	707 49.0%	0 0.0%	0 0.0%	27 1.9%	
2012	1,429	1,423	1250 87.8%	173 12.2%	1,429	716 50.1%	690 48.3%	0 0.0%	0 0.0%	23 1.6%	
2013	1,407	1,402	1240 88.4%	162 11.6%	1,407	704 50.0%	680 48.3%	0 0.0%	0 0.0%	23 1.6%	
2014	1,463	1,456	1289 88.5%	167 11.5%	1,462	738 50.5%	699 47.8%	0 0.0%	0 0.0%	25 1.7%	
2015	1,474	1,469	1309 89.1%	160 10.9%	1,474	744 50.5%	709 48.1%	0 0.0%	0 0.0%	21 1.4%	
2016	1,371	1,362	1233 90.5%	129 9.5%	1,366	711 52.0%	642 47.0%	0 0.0%	0 0.0%	13 1.0%	
2017	1,386	1,383	1264 91.4%	119 8.6%	1,386	717 51.7%	659 47.5%	0 0.0%	0 0.0%	10 0.7%	
2018	1,382	1,378	1270 92.2%	108 7.8%	1,381	726 52.6%	646 46.8%	0 0.0%	0 0.0%	9 0.7%	
2019	1,414	1,408	1303 92.5%	105 7.5%	1,412	753 53.3%	648 45.9%	2 0.1%	0 0.0%	9 0.6%	
2020	1,350	1,341	1244 92.8%	97 7.2%	1,345	747 55.5%	592 44.0%	0 0.0%	0 0.0%	6 0.4%	
2021	1,360	1,352	1263 93.4%	89 6.6%	1,355	763 56.3%	586 43.2%	2 0.1%	0 0.0%	4 0.3%	
Total	4,584	4,352	2,384 54.8%	1,968 45.2%	4,372	1467 33.6%	1,493 34.1%	8 0.2%	1 0.0%	1,403 32.1%	

- Total includes every vessel used in this fishery from 1978 to 2021.

Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, largely stem from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 1-5 are for both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

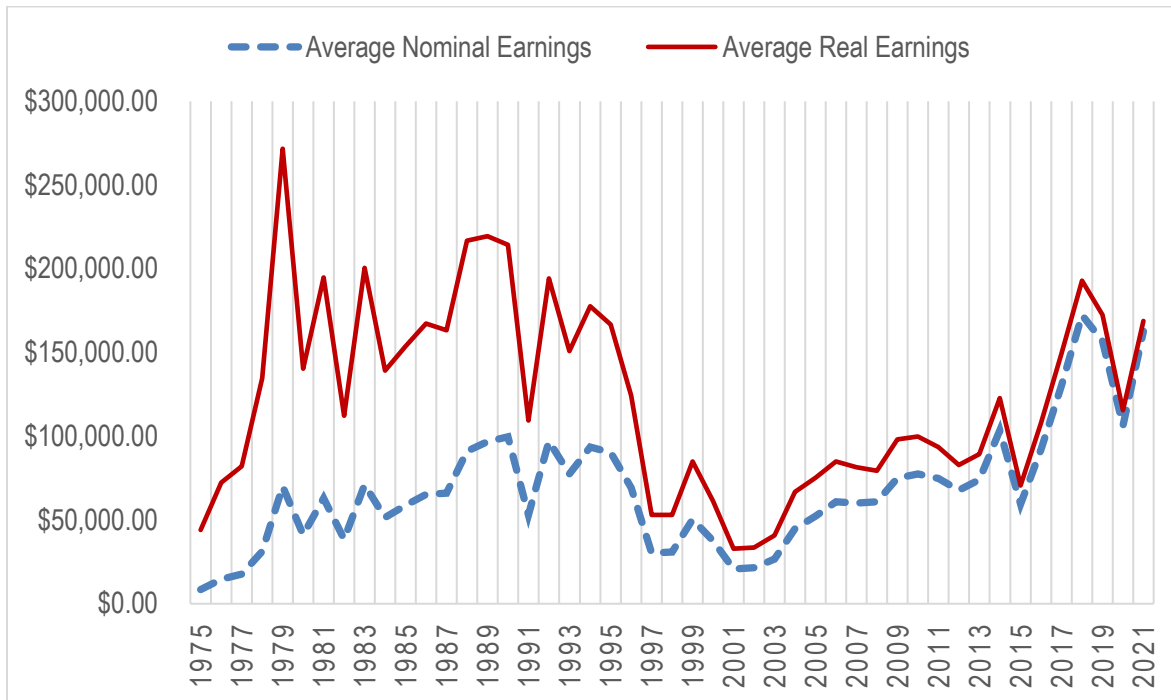
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held for the Bristol Bay salmon drift gillnet fishery was in 2007. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

Table 1-15 reports the number of permits issued, permits and vessels with landings, and estimated gross earnings in the Bristol Bay salmon drift gillnet fishery from 1975 to 2021. Note that the figures by permit in this table span the entire year, regardless of who held the permit or however many times the permit was transferred.

Table 1-16 reports the number of permit holders (people) and estimated real (inflation-adjusted) gross earnings by each resident type.

Table 1-17 breaks out participation and earnings by ADF&G salmon management area with real ex-vessel values. Note that some permits are used to record landings in more than one district.

Figure 1-5. Estimated Nominal and Real Average Gross Earnings Per Bristol Bay Salmon Drift Gillnet Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 1-15. Estimated Total Gross Earnings (Real and Nominal) for the Bristol Bay Salmon Drift Gillnet Fishery, With Average Earnings (Real) by Permit and Vessel, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits with Landings	Average Real Earnings	Vessels with Landings	Average Real Vessel Earnings
		Nominal	Real				
1975	1,823	\$10,529,511	\$55,008,070	1,246	\$44,148	1,360	\$40,447
1976	1,706	\$19,859,648	\$98,113,933	1,355	\$72,409	1,412	\$69,486
1977	1,725	\$24,058,389	\$111,601,285	1,359	\$82,120	1,440	\$77,501
1978	1,772	\$49,183,042	\$211,973,132	1,575	\$134,586	1,563	\$135,619
1979	1,800	\$120,196,589	\$465,629,081	1,714	\$271,662	1,711	\$272,139
1980	1,827	\$72,583,988	\$247,630,819	1,764	\$140,380	1,802	\$137,420
1981	1,827	\$112,487,059	\$347,819,760	1,785	\$194,857	1,786	\$194,748
1982	1,824	\$69,074,998	\$201,246,605	1,792	\$112,303	1,802	\$111,680
1983	1,822	\$127,608,313	\$360,209,055	1,797	\$200,450	1,802	\$199,894
1984	1,819	\$92,757,369	\$251,036,888	1,804	\$139,156	1,838	\$136,582
1985	1,834	\$106,696,595	\$278,873,886	1,815	\$153,650	1,829	\$152,473
1986	1,838	\$118,928,486	\$305,054,415	1,823	\$167,336	1,849	\$164,983
1987	1,837	\$120,369,596	\$297,836,489	1,824	\$163,288	1,861	\$160,041
1988	1,839	\$167,443,171	\$398,080,300	1,837	\$216,701	1,867	\$213,219
1989	1,867	\$179,466,290	\$407,017,386	1,855	\$219,416	1,892	\$215,125
1990	1,878	\$186,085,765	\$400,415,643	1,869	\$214,241	1,905	\$210,192
1991	1,881	\$99,230,409	\$204,846,828	1,873	\$109,368	1,894	\$108,156
1992	1,884	\$182,217,012	\$365,102,377	1,879	\$194,307	1,912	\$190,953
1993	1,886	\$145,375,898	\$282,933,784	1,875	\$150,898	1,918	\$147,515
1994	1,887	\$174,569,899	\$331,118,084	1,865	\$177,543	1,889	\$175,287
1995	1,888	\$170,029,398	\$313,705,077	1,882	\$166,687	1,915	\$163,815
1996	1,891	\$130,612,195	\$234,117,675	1,884	\$124,266	1,921	\$121,873
1997	1,899	\$56,691,067	\$99,295,483	1,875	\$52,958	1,898	\$52,316
1998	1,899	\$57,202,946	\$98,660,562	1,858	\$53,100	1,868	\$52,816
1999	1,898	\$92,895,948	\$156,791,295	1,847	\$84,890	1,868	\$83,935
2000	1,890	\$68,412,338	\$111,695,657	1,823	\$61,270	1,836	\$60,836
2001	1,883	\$32,414,815	\$51,468,527	1,566	\$32,866	1,567	\$32,845
2002	1,878	\$25,432,417	\$39,751,345	1,184	\$33,574	1,175	\$33,831
2003	1,867	\$37,999,418	\$58,075,435	1,424	\$40,783	1,407	\$41,276
2004	1,860	\$65,669,641	\$97,747,577	1,465	\$66,722	1,366	\$71,558
2005	1,862	\$80,559,324	\$115,975,727	1,542	\$75,211	1,383	\$83,858
2006	1,860	\$96,064,034	\$133,974,839	1,577	\$84,956	1,448	\$92,524
2007	1,862	\$98,114,659	\$133,039,543	1,633	\$81,469	1,398	\$95,164
2008	1,863	\$100,139,700	\$130,765,208	1,645	\$79,493	1,393	\$93,873
2009	1,863	\$122,005,800	\$159,887,044	1,628	\$98,211	1,351	\$118,347
2010	1,863	\$134,136,756	\$172,948,083	1,731	\$99,912	1,401	\$123,446
2011	1,862	\$131,558,667	\$164,433,151	1,758	\$93,534	1,442	\$114,031
2012	1,862	\$117,936,083	\$144,417,998	1,743	\$82,856	1,429	\$101,062
2013	1,862	\$127,500,022	\$153,875,451	1,723	\$89,307	1,407	\$109,364
2014	1,863	\$182,165,338	\$216,339,654	1,762	\$122,781	1,463	\$147,874
2015	1,864	\$104,690,585	\$124,183,281	1,757	\$70,679	1,474	\$84,249
2016	1,863	\$158,030,886	\$185,119,753	1,714	\$108,005	1,371	\$135,025
2017	1,863	\$226,439,151	\$259,721,861	1,737	\$149,523	1,386	\$187,390
2018	1,864	\$301,425,776	\$337,486,850	1,749	\$192,960	1,382	\$244,202
2019	1,863	\$278,580,840	\$306,357,027	1,776	\$172,498	1,414	\$216,660
2020	1,862	\$183,304,742	\$199,124,954	1,725	\$115,435	1,350	\$147,500
2021	1,862	\$285,323,480	\$296,040,889	1,754	\$168,780	1,360	\$217,677

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC on-line Basic Information Tables where the on-line data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.

Table 1-16. Estimated Real Gross Earnings for Permit Holders in the Bristol Bay Salmon Drift Gillnet Fishery by Resident Type, 1975-2021

Year	Local			NonLocal			Nonresident			Total		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	463	\$32,107	\$14,865,505	217	\$42,019	\$9,118,098	570	\$54,429	\$31,024,466	1,250	\$44,006	\$55,008,070
1976	504	\$73,068	\$36,826,429	229	\$65,676	\$15,039,903	628	\$73,637	\$46,244,032	1,362	\$72,037	\$98,113,933
1977	529	\$74,489	\$39,404,834	231	\$80,495	\$18,594,454	603	\$88,892	\$53,601,998	1,363	\$81,879	\$111,601,285
1978	604	\$129,250	\$78,066,946	295	\$114,857	\$33,882,741	688	\$145,383	\$100,023,444	1,587	\$133,568	\$211,973,132
1979	635	\$183,572	\$116,568,240	351	\$252,569	\$88,651,873	745	\$349,542	\$260,408,968	1,731	\$268,994	\$465,629,081
1980	646	\$107,236	\$69,274,599	366	\$146,883	\$53,759,178	770	\$161,814	\$124,597,042	1,782	\$138,962	\$247,630,819
1981	653	\$151,800	\$99,125,570	387	\$194,390	\$75,229,101	772	\$224,696	\$173,465,089	1,812	\$191,954	\$347,819,760
1982	638	\$93,286	\$59,516,613	406	\$130,478	\$52,973,990	769	\$115,417	\$88,756,003	1,813	\$111,002	\$201,246,605
1983	630	\$134,680	\$84,848,550	432	\$204,014	\$88,133,900	756	\$247,654	\$187,226,605	1,818	\$198,135	\$360,209,055
1984	632	\$102,716	\$64,916,207	429	\$144,179	\$61,852,920	777	\$159,933	\$124,267,761	1,838	\$136,582	\$251,036,888
1985	611	\$108,070	\$66,030,516	447	\$171,295	\$76,568,676	776	\$175,612	\$136,274,694	1,834	\$152,058	\$278,873,886
1986	596	\$136,045	\$81,082,914	468	\$171,776	\$80,391,347	797	\$180,151	\$143,580,154	1,861	\$163,920	\$305,054,415
1987	604	\$131,153	\$79,216,215	462	\$167,009	\$77,158,381	794	\$178,164	\$141,461,893	1,860	\$160,127	\$297,836,489
1988	583	\$181,824	\$106,003,335	466	\$224,376	\$104,559,076	829	\$226,198	\$187,517,888	1,878	\$211,970	\$398,080,300
1989	579	\$165,482	\$95,814,244	462	\$211,595	\$97,757,043	854	\$249,937	\$213,446,098	1,895	\$214,785	\$407,017,386
1990	557	\$151,976	\$84,650,639	488	\$196,805	\$96,040,782	868	\$253,139	\$219,724,223	1,913	\$209,313	\$400,415,643
1991	538	\$80,714	\$43,424,356	477	\$110,163	\$52,547,899	887	\$122,745	\$108,874,573	1,902	\$107,701	\$204,846,828
1992	539	\$129,578	\$69,842,464	462	\$191,965	\$88,687,609	923	\$223,805	\$206,572,304	1,924	\$189,762	\$365,102,377
1993	506	\$117,672	\$59,541,815	467	\$146,865	\$68,586,188	954	\$162,270	\$154,805,782	1,927	\$146,826	\$282,933,784
1994	498	\$116,958	\$58,245,049	475	\$169,128	\$80,335,706	950	\$202,671	\$192,537,329	1,923	\$172,188	\$331,118,084
1995	469	\$117,474	\$55,095,078	485	\$151,714	\$73,581,164	982	\$188,420	\$185,028,834	1,936	\$162,038	\$313,705,077
1996	456	\$95,933	\$43,745,410	477	\$114,402	\$54,569,642	992	\$136,898	\$135,802,623	1,925	\$121,620	\$234,117,675
1997	456	\$38,025	\$17,339,388	468	\$54,614	\$25,559,266	987	\$57,140	\$56,396,830	1,911	\$51,960	\$99,295,483
1998	459	\$45,460	\$20,866,148	444	\$51,113	\$22,694,279	983	\$56,053	\$55,100,136	1,886	\$52,312	\$98,660,562
1999	454	\$71,780	\$32,587,909	442	\$81,817	\$36,163,027	976	\$90,205	\$88,040,359	1,872	\$83,756	\$156,791,295
2000	436	\$52,609	\$22,937,573	450	\$56,941	\$25,623,589	957	\$65,971	\$63,134,495	1,843	\$60,605	\$111,695,657
2001	401	\$24,812	\$9,949,476	379	\$29,386	\$11,137,351	797	\$38,120	\$30,381,700	1,577	\$32,637	\$51,468,527
2002	311	\$17,704	\$5,506,000	264	\$35,780	\$9,445,957	611	\$40,588	\$24,799,388	1,186	\$33,517	\$39,751,345
2003	363	\$32,858	\$11,927,357	328	\$39,257	\$12,876,330	740	\$44,962	\$33,271,748	1,431	\$40,584	\$58,075,435
2004	356	\$45,413	\$16,167,119	343	\$66,696	\$22,876,854	775	\$75,747	\$58,703,604	1,474	\$66,315	\$97,747,577
2005	364	\$53,012	\$19,296,271	370	\$70,447	\$26,065,514	823	\$85,801	\$70,613,942	1,557	\$74,487	\$115,975,727
2006	363	\$58,621	\$21,279,376	386	\$85,843	\$33,135,431	848	\$93,821	\$79,560,032	1,597	\$83,892	\$133,974,839
2007	344	\$58,978	\$20,288,377	412	\$78,751	\$32,445,414	896	\$89,627	\$80,305,751	1,652	\$80,532	\$133,039,543
2008	340	\$54,126	\$18,402,695	429	\$74,745	\$32,065,557	896	\$89,617	\$80,296,956	1,665	\$78,538	\$130,765,208
2009	306	\$67,190	\$20,560,022	386	\$95,353	\$36,806,384	950	\$107,916	\$102,520,637	1,642	\$97,373	\$159,887,044
2010	325	\$72,034	\$23,411,100	429	\$96,524	\$41,408,885	1,010	\$107,058	\$108,128,098	1,764	\$98,043	\$172,948,083
2011	332	\$63,161	\$20,969,507	444	\$87,958	\$39,053,134	1,013	\$103,071	\$104,410,510	1,789	\$91,913	\$164,433,151
2012	326	\$54,420	\$17,740,813	433	\$78,601	\$34,034,216	1,005	\$92,182	\$92,642,969	1,764	\$81,870	\$144,417,998
2013	317	\$61,091	\$19,365,743	449	\$85,198	\$38,253,695	974	\$98,825	\$96,256,013	1,740	\$88,434	\$153,875,451
2014	322	\$78,329	\$25,222,068	467	\$121,584	\$56,779,817	993	\$135,285	\$134,337,769	1,782	\$121,403	\$216,339,654
2015	311	\$44,174	\$13,738,223	448	\$71,034	\$31,823,112	1,018	\$77,232	\$78,621,946	1,777	\$69,884	\$124,183,281
2016	297	\$68,975	\$20,485,705	436	\$111,935	\$48,803,729	1,000	\$115,830	\$115,830,319	1,733	\$106,820	\$185,119,753
2017	306	\$94,653	\$28,963,775	453	\$153,986	\$69,755,486	1,003	\$160,521	\$161,002,600	1,762	\$147,402	\$259,721,861
2018	303	\$132,361	\$40,105,306	461	\$199,837	\$92,124,835	1,011	\$203,023	\$205,256,709	1,776	\$190,026	\$337,486,850
2019	286	\$111,101	\$31,774,897	486	\$177,386	\$86,209,598	1,022	\$184,318	\$188,372,532	1,795	\$170,672	\$306,357,027
2020	256	\$69,849	\$17,881,272	481	\$119,152	\$57,312,343	999	\$124,055	\$123,931,339	1,736	\$114,703	\$199,124,954
2021	252	\$110,224	\$27,776,354	497	\$189,039	\$93,952,348	1,021	\$170,727	\$174,312,187	1,770	\$167,255	\$296,040,889

- Adjusted for inflation to 2022 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.

Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Table 1-17. Gross Real Earnings for the Bristol Bay Salmon Drift Gillnet Fishery by ADF&G Salmon District, 1975 to 2021

Year	Togiak		Nushagak		Naknek-Kvichak		Egegik		Ugashik		Other		Total	
	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings
1975	187	\$4,034,133	491	\$8,897,191	777	\$31,347,501	265	\$10,411,702	41	\$223,164	7	\$94,379	1,360	\$55,008,070
1976	162	\$7,865,724	505	\$31,770,286	729	\$38,362,980	263	\$17,433,780	83	\$2,545,461	11	\$135,702	1,412	\$98,113,933
1977	172	\$11,624,065	532	\$30,561,525	646	\$39,488,289	366	\$27,784,239	48	\$1,781,122	20	\$362,044	1,440	\$111,601,285
1978	189	\$17,753,085	727	\$85,825,913	812	\$86,171,026	397	\$20,569,338	56	\$616,116	26	\$1,037,654	1,563	\$211,973,132
1979	194	\$13,262,890	846	\$78,383,348	1,074	\$308,745,814	330	\$42,376,330	117	\$8,564,095	813	\$14,296,604	1,711	\$465,629,081
1980	260	\$11,719,447	1,020	\$62,691,861	1,041	\$137,552,734	296	\$25,169,910	213	\$9,726,609	30	\$770,258	1,802	\$247,630,819
1981	288	\$11,486,902	919	\$115,739,944	990	\$142,975,981	358	\$48,771,361	282	\$28,350,816	17	\$494,755	1,786	\$347,819,760
1982	318	\$12,507,472	1,076	\$90,894,185	850	\$55,666,259	425	\$27,283,076	265	\$14,022,477	22	\$873,136	1,802	\$201,246,605
1983	295	\$9,048,358	960	\$55,360,861	1,061	\$199,879,967	488	\$62,563,337	357	\$33,111,556	17	\$244,976	1,802	\$360,209,055
1984	308	\$8,884,734	904	\$32,705,961	1,118	\$130,829,899	590	\$50,704,628	349	\$26,869,305	44	\$1,042,361	1,838	\$251,036,888
1985	157	\$5,522,671	614	\$14,721,482	1,169	\$88,815,885	937	\$89,088,232	765	\$80,169,271	44	\$556,344	1,829	\$278,873,886
1986	160	\$7,872,841	828	\$50,420,045	734	\$46,104,456	847	\$95,513,171	827	\$104,754,773	38	\$389,129	1,849	\$305,054,415
1987	149	\$8,292,999	639	\$56,391,558	1,075	\$88,122,033	940	\$100,627,309	633	\$43,203,031	49	\$1,199,560	1,861	\$297,836,489
1988	331	\$25,741,860	536	\$44,913,472	1,031	\$95,474,023	1,009	\$185,330,929	577	\$43,945,471	61	\$2,674,544	1,867	\$398,080,300
1989	158	\$2,528,045	444	\$29,962,549	1,223	\$197,674,845	996	\$131,127,605	558	\$44,477,329	65	\$1,247,012	1,892	\$407,017,386
1990	130	\$2,672,043	456	\$33,965,691	1,401	\$208,224,647	981	\$127,462,809	424	\$26,978,366	64	\$1,112,088	1,905	\$400,415,643
1991	213	\$4,030,375	462	\$35,964,151	1,091	\$85,796,024	671	\$54,469,197	448	\$23,842,905	69	\$744,176	1,894	\$204,846,828
1992	283	\$7,335,822	527	\$27,145,494	982	\$108,646,371	958	\$181,556,189	517	\$39,492,302	102	\$926,199	1,912	\$365,102,377
1993	163	\$3,189,917	533	\$33,741,443	841	\$58,957,332	1,206	\$156,866,050	610	\$29,777,009	50	\$402,033	1,918	\$282,933,784
1994	178	\$3,990,695	531	\$29,947,408	1,136	\$148,824,525	1,106	\$103,316,827	480	\$43,813,220	77	\$1,225,409	1,889	\$331,118,084
1995	173	\$3,646,764	523	\$28,716,169	1,179	\$142,214,378	942	\$104,042,374	746	\$34,774,955	82	\$310,435	1,915	\$313,705,077
1996	152	\$2,614,763	633	\$42,561,309	764	\$63,171,413	950	\$87,457,027	625	\$38,082,491	33	\$230,673	1,921	\$234,117,675
1997	66	\$652,421	622	\$18,044,245	554	\$4,147,282	963	\$63,891,138	477	\$12,208,888	42	\$351,510	1,898	\$99,295,483
1998	66	\$1,636,510	684	\$27,224,672	1,055	\$25,256,679	954	\$36,566,783	395	\$7,655,149	62	\$320,769	1,868	\$98,660,562
1999	125	\$1,970,049	564	\$34,418,702	1,102	\$59,384,648	792	\$45,927,533	455	\$15,069,868	21	\$20,495	1,868	\$156,791,295
2000	191	\$3,573,973	689	\$33,080,429	800	\$25,817,218	824	\$39,797,001	520	\$9,337,324	27	\$89,711	1,836	\$111,695,657
2001	162	\$2,802,922	799	\$17,647,024	558	\$18,433,723	648	\$10,889,490	286	\$1,694,115	4	\$1,253	1,567	\$51,468,527
2002	95	\$823,290	488	\$10,365,733	338	\$4,356,303	422	\$17,835,515	377	\$6,370,038	-	-	-	\$39,751,345
2003	138	\$2,376,082	617	\$28,728,575	509	\$10,844,953	559	\$8,683,099	436	\$7,438,866	4	\$3,861	1,407	\$58,075,435
2004	117	\$1,695,843	470	\$25,721,054	492	\$17,942,922	610	\$39,088,967	394	\$13,280,642	-	-	-	\$97,747,577
2005	90	\$1,882,281	650	\$35,649,837	655	\$30,776,600	609	\$36,572,437	356	\$11,055,586	12	\$38,985	1,383	\$115,975,727
2006	83	\$2,519,195	664	\$52,502,441	775	\$33,032,274	522	\$34,205,944	241	\$11,649,981	6	\$65,004	1,448	\$133,974,839
2007	110	\$3,383,561	643	\$36,102,383	700	\$38,877,933	497	\$29,625,885	414	\$25,049,781	0	\$0	1,398	\$133,039,543
2008	135	\$3,019,956	516	\$31,719,406	770	\$49,054,564	390	\$34,714,403	272	\$12,256,879	0	\$0	1,393	\$130,765,208
2009	125	\$2,745,405	461	\$39,029,125	635	\$42,962,131	537	\$60,983,532	275	\$14,166,849	0	\$0	1,351	\$159,887,044
2010	93	\$3,716,725	528	\$48,451,808	860	\$64,157,921	655	\$29,582,659	345	\$27,038,970	0	\$0	1,401	\$172,948,083
2011	135	\$5,001,168	419	\$34,642,266	882	\$68,479,222	689	\$35,852,257	379	\$20,458,239	0	\$0	1,442	\$164,433,151
2012	117	\$4,888,981	455	\$15,922,775	845	\$72,157,410	470	\$33,646,610	328	\$17,802,223	0	\$0	1,429	\$144,417,998

-continued-

Bristol Bay Salmon Drift Gillnet Fishery (S03T)

Year	Togiak		Nushagak		Naknek-Kvichak		Egegik		Ugashik		Other		Total	
	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Year	Vessels	Gross Earnings	Vessels	Gross Earnings	Vessels	Gross Earnings
2013	113	\$4,290,217	385	\$30,743,215	855	\$47,556,465	723	\$47,601,243	351	\$23,684,312	0	\$0	1,407	\$153,875,451
2014	94	\$3,284,457	532	\$46,081,994	977	\$102,098,172	726	\$53,998,661	279	\$10,874,685	-	-	-	\$216,339,654
2015	79	\$1,192,837	411	\$16,926,723	901	\$58,145,382	783	\$26,852,023	274	\$21,066,316	0	\$0	1,474	\$124,183,281
2016	56	\$2,255,895	475	\$33,642,528	807	\$70,151,085	379	\$41,874,402	299	\$37,195,844	0	\$0	1,371	\$185,119,753
2017	55	\$2,594,007	566	\$76,461,695	689	\$50,305,341	528	\$86,205,273	411	\$44,155,545	0	\$0	1,386	\$259,721,861
2018	57	\$5,057,266	884	\$192,634,880	834	\$73,410,367	433	\$42,053,466	242	\$24,330,870	0	\$0	1,382	\$337,486,850
2019	80	\$5,627,013	762	\$108,261,970	818	\$80,054,558	687	\$105,834,704	313	\$6,578,782	0	\$0	1,414	\$306,357,027
2020	65	\$1,620,194	613	\$37,104,009	693	\$74,056,907	560	\$73,620,727	246	\$12,723,117	0	\$0	1,350	\$199,124,954
2021	70	\$3,769,543	717	\$126,304,667	789	\$63,944,436	522	\$60,899,483	400	\$41,122,760	0	\$0	1,360	\$296,040,889

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Some Permits are used to record landings in more than one district.
- “-” masked for confidentiality

Chapter 2 Bristol Bay Salmon Set Gillnet Fishery

S04T Permit Holdings

Limited entry permits for the Bristol Bay salmon set gillnet fishery (S04T permits) were issued starting in 1975. CFEC has issued 1,041 S04T permits. Table 2-1 indicates the initial distribution and historical net changes in permit holdings for the fishery. Of this total, Alaska Locals received 63.4% (660/1,041) of the permits, Nonlocal Alaskans received 21.8% (227/1,041) of the permits, and Nonresidents received 14.8% (154/1,041). Eight hundred eighty-three of the S04T permits were issued as transferable permits, and the remaining 158 permits were issued as non-transferable permits.

Table 2-1. Initial Issuance and Year-end 2021 Totals of Bristol Bay Salmon Set Gillnet Permits, With Net Changes Due to Permit Transfers, Migrations, and Cancellations, by Resident Type

Residency	Initial Issue		Transfers		Migrations		Cancelled		2021 Year-End	
	Total	Percent	Change	% Change From Initial	Change	% Change From Initial	Change	% Change From Initial	Total	Percent
Local	660	63.4%	-137	-20.8%	-173	-26.2%	-37	-5.0%	313	32.5%
Nonlocal	227	21.8%	27	11.9%	71	31.3%	-24	-8.8%	301	31.2%
Nonresident	154	14.8%	110	71.4%	102	66.2%	-16	-8.4%	350	36.3%
Total	1,041	100.0%	0	0.0%	0	0.0%	-77	-7.4%	964	100.0%

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

Transfers of S04T Permits

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

Table 2-2. Transfer Acquisition Methods for Bristol Bay Salmon Set Gillnet Permits, 1980-2021

Acquisition Method	Bristol Bay Salmon Set Gillnet		Combined Bristol Bay Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Gift	1,890	48.6%	3,984	38.7%	6,717	51.0%	13,403	32.5%
Sale	1,747	44.9%	5,545	53.9%	5,069	38.5%	24,174	58.6%
Trade	26	0.7%	66	0.6%	97	0.7%	531	1.3%
Other	227	5.8%	699	6.8%	1,282	9.7%	3,134	7.6%
Total	3,890		10,294		13,165		41,242	

Table 2-2 compares the transfer acquisition methods for the S04T permits, combined Bristol Bay salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits between 1980 and 2021. About half of all S04T transfers were gifts (48.6% or 1,890), almost half were sales (44.9% or 1,747), and a smaller percentage were trades (0.7% or 26) or other (5.8% or 227). The annual acquisition methods for S04T permits can be viewed in a different publication.⁶

Table 2-3. Relationships of Transferor to Transfer Recipients for Bristol Bay Salmon Set Gillnet Permits, 1980-2021

Relationship	Bristol Bay Salmon Set Gillnet		Combined Bristol Bay Salmon		Statewide Salmon Set Gillnet		All Fisheries Statewide	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Business Partner/Friend	893	23.0%	1,982	19.3%	2,632	20.0%	7,713	18.7%
Member of Immediate Family	1,562	40.2%	3,648	35.4%	6,331	48.1%	13,850	33.6%
Other Relative	274	7.0%	556	5.4%	914	6.9%	1,846	4.5%
Other	1,161	29.8%	4,108	39.9%	3,288	25.0%	17,833	43.2%
Total	3,890		10,294		13,165		41,242	

Table 2-3 shows the relationships between the transferors and transfer recipients for S04T permits and compares S04T permit transfers with the combined Bristol Bay salmon permit types, all statewide salmon set gillnet permits, and all limited entry permits from 1980 to 2021. Transfers within the family, both between immediate family members and other relatives, total 47.2% (1,836/3,890) of all permit transfers for S04T permits compared to 40.8% (4,204/10,294) combined Bristol Bay salmon permit types, 55.0% (7,245/13,165) for all salmon set gillnet permits statewide, and 38.1% (15,696/41,242) 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, 1975-2021*, CFEC Report No. 22-02N.

Emergency Transfers of S04T Permits

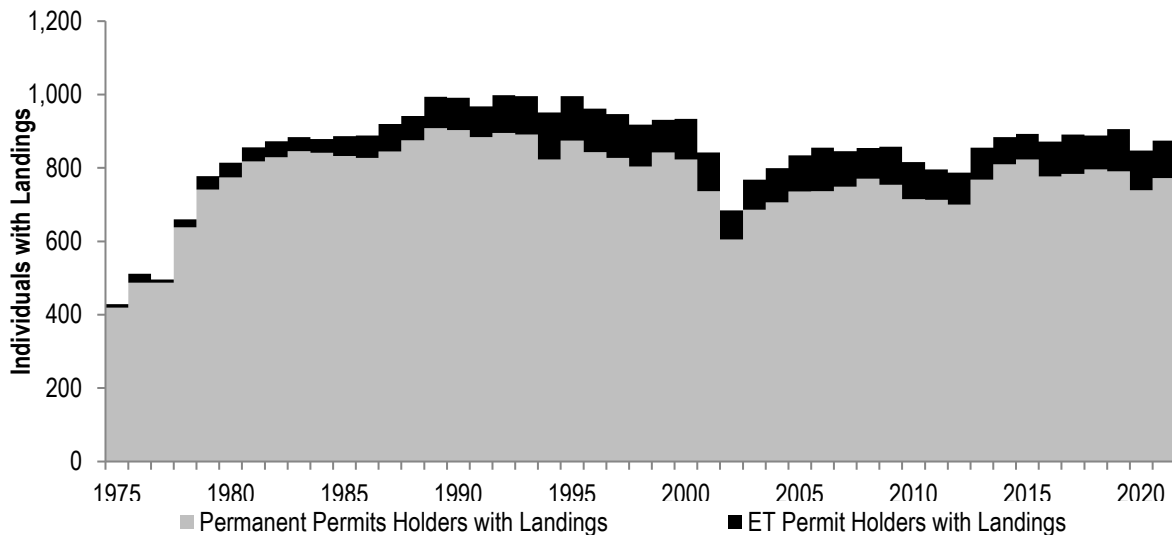
Commercial landings can be made with either permanently-held permits or with permits held temporarily through emergency transfers. Emergency transfers (ET) of permits are granted if illness, disability, death, required military or government service or other unavoidable hardship of a temporary, unexpected,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

Table 2-4 and Figure 2-1 show the total number of individuals who recorded landings each year, and of that group, the number of individuals who made landings with ET permits. Some individuals who made landings with ET permits also made landings with permanent permits in the same year.

Table 2-4. Use of Emergency Transfer Permits in the Bristol Bay Set Gillnet Fishery, 1975-2021

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	429	10	2.3%	1991	968	84	8.7%	2007	846	97	11.5%
1976	512	25	4.9%	1992	998	103	10.3%	2008	854	83	9.7%
1977	496	9	1.8%	1993	996	105	10.5%	2009	858	104	12.1%
1978	660	22	3.3%	1994	951	128	13.5%	2010	816	101	12.4%
1979	778	37	4.8%	1995	996	122	12.2%	2011	796	83	10.4%
1980	814	40	4.9%	1996	962	119	12.4%	2012	787	87	11.1%
1981	856	38	4.4%	1997	947	120	12.7%	2013	855	87	10.2%
1982	873	44	5.0%	1998	918	114	12.4%	2014	884	74	8.4%
1983	884	38	4.3%	1999	931	89	9.6%	2015	893	70	7.8%
1984	879	38	4.3%	2000	934	111	11.9%	2016	872	95	10.9%
1985	887	54	6.1%	2001	842	105	12.5%	2017	891	107	12.0%
1986	888	61	6.9%	2002	684	79	11.5%	2018	888	92	10.36%
1987	920	75	8.2%	2003	768	82	10.7%	2019	906	115	12.69%
1988	942	67	7.1%	2004	799	93	11.6%	2020	847	108	12.75%
1989	994	86	8.7%	2005	834	98	11.8%	2021	874	102	11.67%
1990	991	88	8.9%	2006	855	118	13.8%				

Figure 2-1. Use of Emergency Transfer Permits in the Bristol Bay Salmon Set Gillnet Fishery, 1975-2021



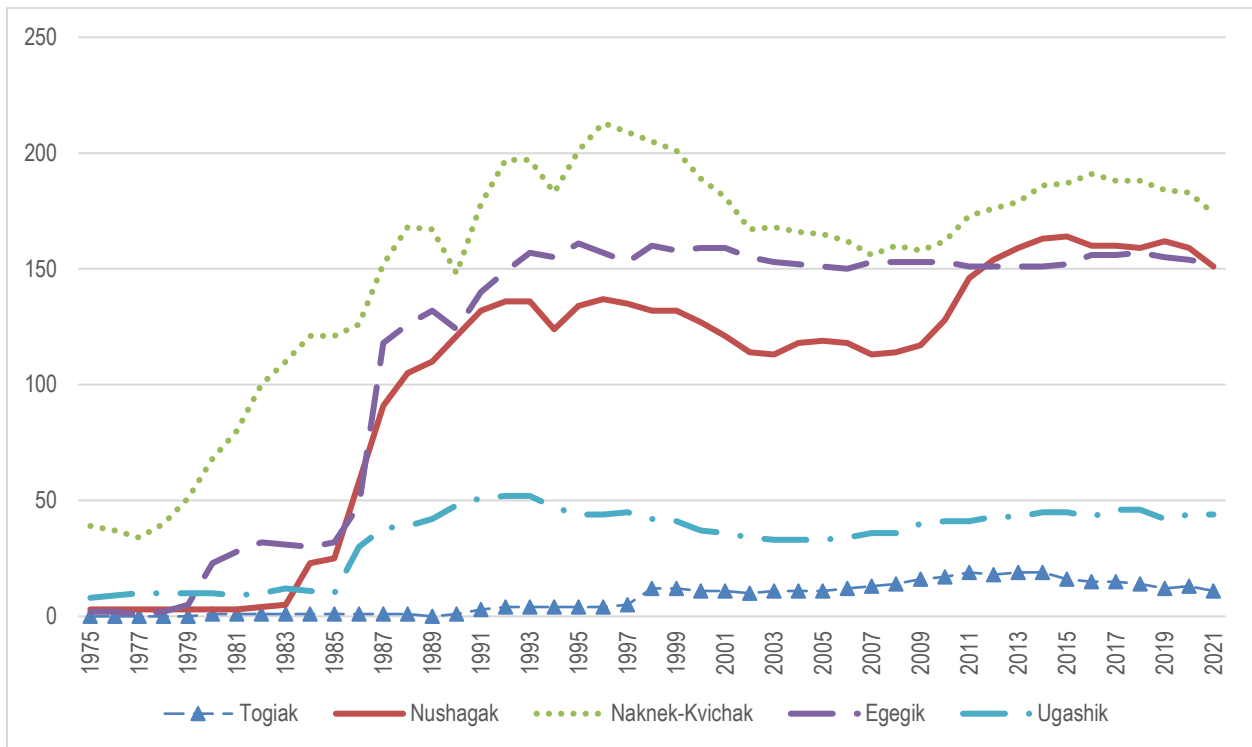
DNR Shore Fishery Leases in the Bristol Bay Set Gillnet Fishery

The Alaska Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by CFEC set gillnet permit holders in Bristol Bay. A shore fishery lease grants permit holders the first right of priority to fish a tract of tidelands. Many permit holders obtain shore fishery leases, although a lease is not required in order to fish.

In Bristol Bay, the DNR shore fishery lease program allows a permit holder to maintain up to two tracts per permit.⁷ While some tracts are adjacent to one another, other tracts may be scattered miles apart. Additional information regarding DNR shore fishery leases can be found in CFEC publication 18-4N.⁸

In Table 2-5, the total number of Bristol Bay set gillnet permits, permits with landings, and permits with a DNR shore fishery lease as of December 31 is reported by district. The total permits by district include permits that either had landings documented within the fishing district or had a DNR lease. While there are no restrictions as to which district an S04T permit can be used for fishing, S04T permit holders do not typically make landings in more than one district. The counts of permits with DNR shore fishery leases are depicted by district in Figure 2-2.

Figure 2-2. Count of Permits with DNR Shore Fishery Leases by District in Bristol Bay, 1975-2021



⁷ See 11 AAC 24.0331(b)(1)(D).

⁸ See CFEC *Salmon Set Gillnet Permits and DNR Shore Fishery Leases in Prince William Sound, Cook Inlet, Kodiak, Alaska Peninsula, and Bristol Bay 1975-2018*. CFEC Report No. 19-03N.

Table 2-5. Bristol Bay Set Gillnet DNR Shore Fishery Leases by District

Year	Total Permits	Permits with Landings	Permits with DNR Lease	<i>Togiak</i>		<i>Nushagak</i>		<i>Naknek-Kvichak</i>		<i>Egegik</i>		<i>Ugashik</i>	
				With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits	With DNR Lease	Total Permits
1975	791	426	52	0	35	3	145	39	175	2	93	8	18
1976	761	502	51	0	36	3	179	37	212	2	98	9	23
1977	836	497	48	0	37	3	177	34	202	1	92	10	17
1978	906	656	55	0	51	3	229	40	283	2	131	10	16
1979	934	770	69	0	63	3	250	51	310	5	160	10	32
1980	947	807	107	1	63	3	250	68	354	24	188	10	35
1981	956	841	123	1	73	3	262	80	361	29	172	9	55
1982	958	859	148	1	72	4	264	100	358	32	175	10	59
1983	960	865	160	1	69	5	266	110	375	31	180	12	52
1984	962	869	187	1	76	23	264	121	357	30	190	11	65
1985	959	872	190	1	66	25	250	121	363	32	181	10	82
1986	963	870	263	1	103	58	285	126	320	48	194	30	83
1987	960	899	399	1	67	91	289	152	333	119	210	38	80
1988	959	922	438	1	122	105	286	168	359	127	196	39	72
1989	1,025	971	449	0	96	110	294	167	366	132	223	42	75
1990	1,028	971	439	1	75	121	347	148	442	124	222	48	71
1991	1,024	950	502	3	103	132	317	178	367	140	220	51	74
1992	1,025	968	535	4	116	136	301	197	357	149	211	52	70
1993	1,022	965	544	4	108	136	299	197	344	157	232	52	75
1994	1,019	939	513	4	115	124	302	183	338	155	230	47	73
1995	1,019	967	544	4	103	134	297	201	355	161	218	44	72
1996	1,017	941	555	4	111	137	285	213	357	157	215	44	61
1997	1,019	921	546	5	84	135	289	209	315	153	255	45	66
1998	1,015	901	550	12	83	132	285	205	317	160	222	42	61
1999	1,014	925	544	12	78	132	298	201	327	158	219	41	58
2000	1,012	921	524	11	88	128	302	189	334	159	216	37	58
2001	1,010	834	508	11	82	122	285	181	287	159	210	36	57
2002	1,006	680	481	10	60	115	236	167	283	155	191	34	46
2003	1,001	760	479	11	77	114	242	168	290	153	204	33	55
2004	989	795	480	11	73	118	249	166	298	152	202	33	50
2005	988	829	479	11	72	119	248	165	309	151	199	33	59
2006	985	844	476	12	77	118	241	162	318	150	203	34	60
2007	983	835	471	13	76	113	245	156	307	153	199	36	54
2008	979	850	477	14	74	114	255	160	297	153	201	36	57
2009	982	843	485	16	71	118	257	158	286	153	200	40	55
2010	982	868	502	17	78	129	278	162	293	153	203	41	55
2011	981	889	531	19	84	147	291	173	284	151	202	41	55
2012	979	893	543	18	87	155	285	176	283	151	205	43	58
2013	978	857	553	19	82	161	278	179	275	151	202	43	61
2014	977	878	565	19	81	164	284	186	281	151	206	45	79
2015	975	887	566	16	84	165	283	188	283	152	204	45	62
2016	971	861	565	15	81	160	290	191	275	156	201	43	57
2017	972	881	559	15	83	160	289	184	284	155	202	45	61
2018	970	882	564	14	81	159	306	188	282	157	199	46	60
2019	965	891	554	12	84	162	314	184	278	155	198	42	62
2020	964	840	552	13	78	159	302	183	279	154	197	44	60
2021	964	871	531	11	74	151	306	174	276	152	205	44	63

Latent S04T Permits

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

Several complications make it difficult to accurately count the number of latent permits; therefore, the figures should be viewed with caution. In some cases, permits might be active in the fishery but might not be used to record landings. This can occur when permit holders fish in a group, especially among family or friends, and the group records their landings on only one, or some, of the group's permits. Although this practice is not strictly legal,⁹ it allegedly occurs in the set gillnet fisheries at a rate higher than in other fisheries. The effect would be to under-count the number of permits active in the fishery, and over-estimate the latency rate.

Individuals who hold a DNR Shore Fishery Lease are required by regulation to fish at least four openings in years when they hold a lease, unless they refrain for no more than one year from using the site.¹⁰ The 'Permits Fished and/or DNR Lease' column counts permit that either held a DNR Shore Fishery Lease or made a commercial landing. The actual annual rate of latency likely lies between the rates given in this table.

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

Table 2-6. Bristol Bay Salmon Set Gillnet Permit Latency, 1975-2021

Year	Total Permits Issued	Permits Fished	Latency Rate	Permits Fished and/or DNR Lease	Latency Rate
1975	791	426	46.1%	449	43.2%
1976	761	502	34.0%	522	31.4%
1977	836	497	40.6%	519	37.9%
1978	906	656	27.6%	674	25.6%
1979	934	770	17.6%	779	16.6%
1980	947	807	14.8%	820	13.4%
1981	956	841	12.0%	853	10.8%
1982	958	859	10.3%	870	9.2%
1983	960	865	9.9%	882	8.1%
1984	962	869	9.7%	880	8.5%
1985	959	872	9.1%	877	8.6%
1986	963	870	9.7%	884	8.2%
1987	960	899	6.4%	914	4.8%
1988	959	922	3.9%	930	3.0%
1989	1,025	971	5.3%	976	4.8%
1990	1,028	971	5.5%	981	4.6%
1991	1,024	950	7.2%	967	5.6%
1992	1,025	968	5.6%	979	4.5%
1993	1,022	965	5.6%	979	4.2%
1994	1,019	939	7.9%	956	6.2%
1995	1,019	967	5.1%	985	3.3%
1996	1,017	941	7.5%	967	4.9%
1997	1,019	921	9.6%	953	6.5%
1998	1,015	901	11.2%	940	7.4%
1999	1,014	925	8.8%	957	5.6%
2000	1,012	921	9.0%	943	6.8%
2001	1,010	834	17.4%	891	11.8%
2002	1,006	680	32.4%	799	20.6%

-continued-

⁹ See AS 16.05.680 (b) and AS 16.05.690 (b).

¹⁰ See 11 AAC 64.180.

Bristol Bay Salmon Set Gillnet (S04T)

Year	Total Permits Issued	Permits Fished	Latency Rate	Permits Fished and/or DNR Lease	Latency Rate
2003	1,001	760	24.1%	846	15.5%
2004	989	795	19.6%	856	13.4%
2005	988	829	16.1%	874	11.5%
2006	985	844	14.3%	884	10.3%
2007	983	835	15.1%	872	11.3%
2008	979	850	13.2%	878	10.3%
2009	982	843	14.2%	860	12.4%
2010	982	868	11.6%	889	9.5%
2011	981	889	9.4%	905	7.7%
2012	979	893	8.8%	905	7.6%
2013	978	857	12.4%	892	8.8%
2014	977	878	10.1%	907	7.2%
2015	975	887	9.0%	908	6.9%
2016	971	861	11.3%	894	7.9%
2017	972	881	9.4%	909	6.5%
2018	971	882	9.2%	915	5.8%
2019	968	891	8.0%	922	4.8%
2020	968	840	13.2%	898	7.2%
2021	970	871	10.2%	908	6.4%

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

New Entrants into the Bristol Bay Salmon Set Gillnet Fishery

New entrants are defined herein as individuals who, for the first time, record a landing on a permanent S04T 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.

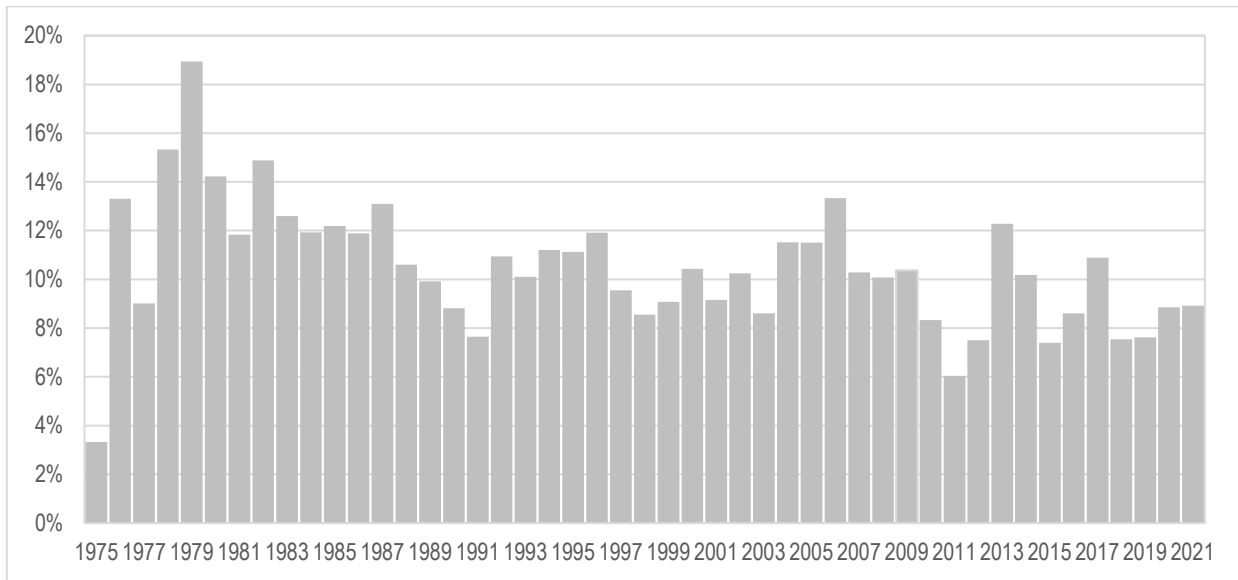
Table 2-7 and Figure 2-3 describe individuals rather than permits. An individual may hold up to two permits in this fishery but can only fish one of them. An individual may hold one S04T permit one year, and then in subsequent years hold a different S04T permit. Likewise, individuals may enter and exit 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 2-7. New Entrants into the Bristol Bay Salmon Set Gillnet Fishery, 1975-2021

Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent	Year	Individuals w/Landings	New Entrants Count	Percent
1975	361	12	3.3%	1987	901	118	13.1%	1999	925	84	9.1%	2011	796	48	6.0%
1976	511	68	13.3%	1988	924	98	10.6%	2000	930	97	10.4%	2012	787	59	7.5%
1977	488	44	9.0%	1989	978	97	9.9%	2001	841	77	9.2%	2013	855	105	12.3%
1978	646	99	15.3%	1990	976	86	8.8%	2002	683	70	10.2%	2014	884	90	10.2%
1979	755	143	18.9%	1991	955	73	7.6%	2003	767	66	8.6%	2015	893	66	7.4%
1980	780	111	14.2%	1992	987	108	10.9%	2004	799	92	11.5%	2016	872	75	8.6%
1981	820	97	11.8%	1993	990	100	10.1%	2005	834	96	11.5%	2017	891	97	10.9%
1982	833	124	14.9%	1994	946	106	11.2%	2006	855	114	13.3%	2018	888	67	7.50%
1983	849	107	12.6%	1995	989	110	11.1%	2007	846	87	10.3%	2019	906	69	7.60%
1984	855	102	11.9%	1996	957	114	11.9%	2008	854	86	10.1%	2020	847	75	8.90%
1985	861	105	12.2%	1997	942	90	9.6%	2009	858	89	10.4%	2021	874	78	8.90%
1986	866	103	11.9%	1998	912	78	8.6%	2010	816	68	8.3%				

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

Figure 2-3. New Entrants into the Bristol Bay Salmon Set Gillnet Fishery, 1975-2021



Age of S04T Permit Holders

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

Year	S04T	Combined Bristol Bay Salmon	Statewide Salmon Set Gillnet	Statewide All Permits	Mean AK Working Age
1980	34.8	40.1	37.9	38.9	33.4
1981	34.8	40.0	38.0	39.9	33.5
1982	35.5	39.8	38.2	40.0	33.6
1983	35.6	39.8	38.0	40.2	33.7
1984	36.3	40.2	38.2	40.4	33.8
1985	36.9	40.6	38.5	40.8	34.0
1986	37.1	40.8	38.8	41.0	34.2
1987	37.7	41.2	39.0	40.9	34.5
1988	37.7	41.4	39.3	41.2	34.9
1989	39.1	42.0	39.9	41.5	35.3
1990	39.4	42.5	40.0	42.0	35.5
1991	39.9	42.9	40.5	42.5	35.9
1992	40.1	43.2	40.8	42.9	36.2
1993	40.9	43.7	41.2	43.5	36.5
1994	41.3	44.1	41.5	44.0	36.7
1995	41.8	44.4	41.9	44.4	37.0
1996	42.0	44.6	42.3	44.8	37.2
1997	42.1	45.0	42.6	45.1	37.4
1998	42.7	45.3	43.1	45.6	37.6
1999	43.0	45.7	43.4	46.0	37.8
2000	42.9	46.0	43.7	46.4	37.9
2001	43.2	46.3	44.1	46.9	38.1
2002	43.9	47.0	44.8	47.4	38.3
2003	44.2	47.2	45.2	47.9	38.4
2004	44.2	47.2	45.4	48.2	38.6
2005	43.5	46.7	45.4	48.4	38.7
2006	43.2	46.6	45.6	48.7	38.8
2007	43.7	46.3	45.9	48.9	38.9
2008	43.8	46.4	45.9	49.0	39.0
2009	43.8	46.4	46.1	49.3	39.1
2010	44.1	46.3	46.3	49.5	39.2
2011	44.3	46.6	46.6	49.6	39.4
2012	45.1	46.7	47.0	49.8	39.4
2013	44.3	46.4	47.0	50.0	39.5
2014	44.5	46.5	47.2	50.2	39.5
2015	45.0	46.8	47.6	50.6	39.5
2016	45.7	47.2	48.0	50.9	39.6
2017	46.1	47.3	48.2	51.3	39.6
2018	46.3	47.2	48.4	51.7	40.1
2019	46.5	47.2	48.8	51.9	40.1
2020	46.7	47.4	49.2	52.3	40.0
2021	46.8	47.3	49.5	52.6	39.9

Table 2-8 shows the annual mean age of five different cohorts of people: 1) Bristol Bay salmon set gillnet (S04T) permit holders; 2) combined Bristol Bay salmon permit holders; 3) all salmon set gillnet permit holders statewide; 4) all CFEC limited entry permit holders; and 5) the Alaskan working population.

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

The mean age of the general Alaskan working age population has increased 6.5 years between 1980 and 2021. The change in ages over the same period for all CFEC permit holders was an increase of 13.7 years. The mean age of statewide set gillnet permit holders increased by 11.6 years, while the mean age for all Bristol Bay permit holders increased by 7.2 years.

For S04T permit holders, the mean age increased by 12 years.

- Mean AK Working Age is the annual average age of all Alaskans age 16-64 as reported by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- Age data from the CFEC permit file is as of December 31st of each year.

S04T Permit Stacking

From 2010 through 2012, an Alaska Board of Fisheries regulation allowed for stacked permit operations. A stacked permit operation is where an individual who holds two permits is allowed to fish two full complements of gear. CFEC completed an in-depth analysis of S04T permit stacking in 2012.¹¹

Stacked permit operations are identified in this section when a permit holder makes at least one landing while holding two permits. Stacked permit operations can be composed of permanently held permits, emergency transfer permits, or through a combination of the two. Table 2-9 identifies the composition of stacked and single permit operations by resident type.

Table 2-9. Single and Stacked Permit Operations by Resident Type

Year	Residency	Single Permit Operations		Stacked Permit Operations			Total Single	Total Stacked	Total
		Permanent	ET	Permanent and ET	Permanent	ET			
2010	Local	241	37	14	6	0	278	20	298
	Nonlocal	196	18	6	20	0	214	26	240
	Nonresident	234	22	7	13	2	256	22	278
	Total	671	77	27	39	2	748	68	816
2011	Local	248	36	5	10	1	284	16	300
	Nonlocal	171	19	3	38	2	190	43	233
	Nonresident	209	12	7	33	2	221	42	263
	Total	628	67	15	81	5	695	101	796
2012	Local	235	44	5	12	3	279	20	299
	Nonlocal	174	16	4	36	1	190	41	231
	Nonresident	193	10	2	48	4	203	54	257
	Total	602	70	11	96	8	672	115	787

Tables 2-10 and 2-11 include the source and acquisition method for the second permit held by individuals at year-end. A large portion of permits was sourced from family members which is typical for set gillnet permits. The majority of permits were acquired as gifts. The years permit stacking regulations were in place are bolded for each of these two tables.

Table 2-11. Source of the Second S04T Permit

Year	Friend/ Partner	Immediate Family	Other Relative	Other	Unknown
2003	0	0	0	2	0
2007	0	1	0	1	0
2008	0	0	1	2	0
2009	0	0	1	2	0
2010	9	27	4	15	0
2011	16	44	5	30	0
2012	21	46	4	34	0
2013	1	4	0	3	0
2014	0	4	0	0	0
2015	0	2	0	1	0
2016	2	3	0	1	0

Table 2-10. Transfer Acquisition Method for the Second S04T Permit

Year	Gift	Sale	Trade	Other	Unknown
2003	0	2	0	0	0
2007	1	1	0	0	0
2008	0	3	0	0	0
2009	1	2	0	0	0
2010	33	21	0	1	0
2011	57	36	0	2	0
2012	58	45	0	2	0
2013	3	5	0	0	0
2014	4	0	0	0	0
2015	2	1	0	0	0
2016	5	1	0	0	0

- continued -

¹¹ See *Bristol Bay Set Gillnet Permit Stacking*, CFEC Report No. 12-2N.

Bristol Bay Salmon Set Gillnet (S04T)

Year	Friend/ Partner	Immediate Family	Other Relative	Other	Unknown
2017	2	3	0	1	0
2018	1	2	0	0	0
2019	1	2	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0

Year	Gift	Sale	Trade	Other	Unknown
2017	3	3	0	0	0
2018	2	1	0	0	0
2019	2	0	0	0	0
2020	0	0	0	0	0
2021	0	1	0	0	0

Table 2-12 compares the level of participation, effort, and real (2022 CPI) earnings for both single and stacked permit operations. Effort is defined as the number of complements of gear allowed; stacked permit operations were allowed to deploy two units of gear, and single permit operations can only deploy one unit of gear.

Table 2-12. Bristol Bay Salmon Set Gillnet Participation, Effort, and Real Earnings by Operation and Resident Type, 2010-2012

Year	Residency	Operation Type	Individuals with Landings	Effort	Real Gross Earnings	Average Gross Earnings	Individuals	Percent of Gross Earnings
2010	Local	Stacked	19	38	\$1,743,456	\$91,761	2.30%	4.40%
		Single	277	277	\$12,002,760	\$43,331	33.90%	30.00%
		Combined	296	315	\$13,746,216	\$46,440	36.30%	34.40%
	Nonlocal	Stacked	26	52	\$3,034,695	\$116,719	3.20%	7.60%
		Single	216	216	\$8,646,347	\$40,029	26.50%	21.60%
		Combined	242	268	\$11,681,042	\$48,269	29.70%	29.20%
	Nonresident	Stacked	23	46	\$2,440,400	\$106,104	2.80%	6.10%
		Single	255	255	\$12,130,396	\$47,570	31.30%	30.30%
		Combined	278	301	\$14,570,796	\$52,413	34.10%	36.40%
	Total	Stacked	68	136	\$7,218,551	\$106,155	8.30%	18.00%
		Single	748	748	\$32,779,503	\$43,823	91.70%	82.00%
		Combined	816	884	\$39,998,054	\$49,017	100.00%	100.00%
2011	Local	Stacked	15	30	\$1,320,227	\$88,015	1.90%	3.90%
		Single	283	283	\$11,219,543	\$39,645	35.60%	32.80%
		Combined	298	313	\$12,539,770	\$42,080	37.40%	36.70%
	Nonlocal	Stacked	43	86	\$3,565,339	\$82,915	5.40%	10.40%
		Single	192	192	\$6,506,447	\$33,888	24.10%	19.00%
		Combined	235	278	\$10,071,786	\$42,859	29.50%	29.40%
	Nonresident	Stacked	43	86	\$3,148,639	\$73,224	5.40%	9.20%
		Single	220	220	\$8,448,918	\$38,404	27.60%	24.70%
		Combined	263	306	\$11,597,557	\$44,097	33.00%	33.90%
	Total	Stacked	101	202	\$8,034,205	\$79,547	12.70%	23.50%
		Single	695	695	\$26,174,908	\$37,662	87.30%	76.50%
		Combined	796	897	\$34,209,113	\$42,976	100.00%	100.00%
2012	Local	Stacked	19	38	\$1,257,447	\$66,181	2.40%	4.20%
		Single	278	278	\$8,596,741	\$30,924	35.30%	28.40%
		Combined	297	316	\$9,854,189	\$33,179	37.70%	32.50%
	Nonlocal	Stacked	41	82	\$3,129,763	\$76,336	5.20%	10.30%
		Single	191	191	\$5,958,156	\$31,195	24.30%	19.70%
		Combined	232	273	\$9,087,919	\$39,172	29.50%	30.00%
	Nonresident	Stacked	55	110	\$4,007,521	\$72,864	7.00%	13.20%
		Single	203	203	\$7,334,256	\$36,129	25.80%	24.20%
		Combined	258	313	\$11,341,777	\$43,960	32.80%	37.50%
	Total	Stacked	115	230	\$8,394,731	\$72,998	14.60%	27.70%
		Single	672	672	\$21,889,154	\$32,573	85.40%	72.30%
		Combined	787	902	\$30,283,885	\$38,480	100.00%	100.00%

- Real ex-vessel values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

S04T Permit Value

Many permit transfers are non-monetary transactions (see Table 2-2). Table 2-13 considers solely arms-length market transactions where permits are sold. CFEC estimated values are expressed in both nominal and real (adjusted for inflation) terms.

Table 2-13. CFEC Estimated Value of Bristol Bay Salmon Set Gillnet Permits

Year	S04T Permit Sales	Nominal		Real	
		Permit Value	Standard Deviation	Permit Value	Standard Deviation
1987	61	\$35,200	\$4,607.27	\$87,000	\$11,400
1988	46	\$46,800	\$9,674.39	\$111,200	\$23,000
1989	31	\$60,800	\$9,656.38	\$137,900	\$21,900
1990	26	\$65,900	\$11,478.87	\$141,900	\$24,700
1991	37	\$60,600	\$8,041.23	\$125,100	\$16,600
1992	45	\$49,300	\$5,739.47	\$98,900	\$11,500
1993	29	\$48,300	\$5,651.98	\$94,100	\$11,000
1994	27	\$37,500	\$5,272.12	\$71,100	\$10,000
1995	34	\$41,900	\$4,661.25	\$77,300	\$8,600
1996	45	\$40,500	\$3,905.25	\$72,600	\$7,000
1997	29	\$37,100	\$3,311.41	\$65,000	\$5,800
1998	28	\$30,200	\$3,710.68	\$52,100	\$6,400
1999	30	\$31,100	\$5,273.07	\$52,500	\$8,900
2000	33	\$32,400	\$3,429.94	\$53,000	\$5,600
2001	25	\$26,300	\$4,786.47	\$41,800	\$7,600
2002	24	\$11,700	\$2,495.17	\$18,200	\$3,900
2003	28	\$12,100	\$1,897.51	\$18,400	\$2,900
2004	28	\$14,100	\$2,754.51	\$20,900	\$4,100
2005	44	\$15,100	\$2,361.72	\$21,700	\$3,400
2006	37	\$23,100	\$3,800.26	\$32,200	\$5,300
2007	29	\$24,000	\$3,097.44	\$32,600	\$4,200
2008	27	\$27,200	\$2,450.55	\$35,500	\$3,200
2009	43	\$28,200	\$2,212.91	\$37,000	\$2,900
2010	46	\$28,500	\$2,637.01	\$36,700	\$3,400
2011	36	\$36,500	\$4,320.41	\$45,600	\$5,400
2012	28	\$40,300	\$2,449.90	\$49,400	\$3,000
2013	23	\$39,900	\$2,402.91	\$48,200	\$2,900
2014	20	\$38,600	\$1,936.68	\$45,900	\$2,300
2015	14	\$38,500	\$4,805.30	\$45,700	\$5,700
2016	17	\$33,700	\$3,841.49	\$39,400	\$4,500
2017	13	\$38,700	\$2,354.01	\$44,300	\$2,700
2018	20	\$43,300	\$2,322.17	\$48,500	\$2,600
2019	22	\$54,600	\$6,819.98	\$60,100	\$7,500
2020	14	\$58,400	\$5,707.39	\$63,400	\$6,200
2021	22	\$61,700	\$6,361.08	\$64,000	\$6,600

- Permit values represent averages of all arms-length sale transactions over the year. Additional data from recent months in the preceding year of a permit transaction may be included until at least four observations can be averaged.
- Real permit values were calculated using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

Participation and Earnings

Earnings are estimated from weighted average ex-vessel prices, and as noted earlier, come primarily from the ADF&G Commercial Operators Annual Report and fish ticket values. Earnings shown in Figure 2-4 reflect both nominal and real dollars using the 2022 Consumer Price Index from the U.S. Bureau of Labor Statistics.

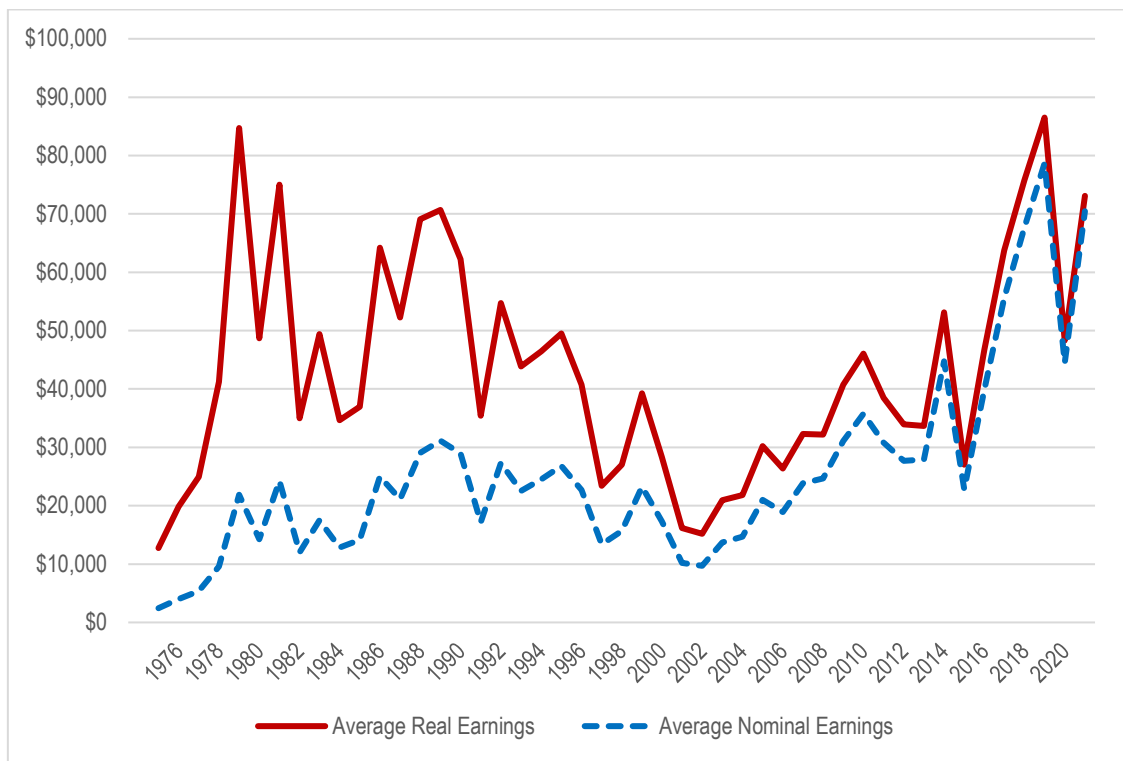
Permit counts include interim-entry permits and permanent permits. Interim-entry permits are issued to individuals during the period when their applications for permanent permits are in adjudication. The last year an interim-entry permit was held in the Bristol Bay salmon set gillnet fishery was in 2004. Some individuals made landings on both an interim-entry permit and subsequently on their newly issued permanent permit in the same year; for these instances, only the permanent permit is counted in this report.

Table 2-14 reports the number of permits, permit issued, and vessels with landings, and estimated gross earnings in the Bristol Bay salmon set gillnet fishery from 1975 to 2021. 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 2-15 reports the number of permit holders (people) and estimated real (inflation adjusted) gross earnings by each resident type.

Table 2-16 breaks out participation and real earnings by ADF&G salmon management area. Note that some permits are used to record landings in more than one district.

Figure 2-4. Estimated Nominal and Real Average Gross Earnings Per Bristol Bay Salmon Set Gillnet Permit



- Real earnings are adjusted for inflation using the 2022 U.S. Bureau of Labor Statistics Consumer Price Index.

Table 2-14. Estimated Total Gross Earnings (Real and Nominal) for the Bristol Bay Salmon Set Gillnet Fishery, With Average Gross (Real) Earnings by Permit, 1975-2021

Year	Permits Issued	Total Gross Earnings		Permits Fished	Average Real Earnings
		Nominal	Real		
1975	791	\$1,039,384	\$5,429,930	426	\$12,746
1976	761	\$2,016,773	\$9,963,595	502	\$19,848
1977	836	\$2,670,321	\$12,387,000	497	\$24,924
1978	906	\$6,279,377	\$27,063,379	656	\$41,255
1979	934	\$16,834,409	\$65,214,749	770	\$84,694
1980	947	\$11,513,369	\$39,279,532	807	\$48,674
1981	956	\$20,399,307	\$63,076,429	841	\$75,002
1982	958	\$10,309,026	\$30,034,839	859	\$34,965
1983	960	\$15,140,674	\$42,738,657	865	\$49,409
1984	962	\$11,131,822	\$30,126,966	869	\$34,669
1985	959	\$12,323,913	\$32,211,127	872	\$36,939
1986	963	\$21,769,265	\$55,838,687	870	\$64,182
1987	960	\$18,980,677	\$46,964,834	899	\$52,241
1988	959	\$26,800,446	\$63,715,525	922	\$69,106
1989	1,025	\$30,255,514	\$68,617,455	971	\$70,667
1990	1,028	\$28,092,907	\$60,449,759	971	\$62,255
1991	1,024	\$16,309,468	\$33,668,538	950	\$35,441
1992	1,025	\$26,438,867	\$52,974,709	968	\$54,726
1993	1,022	\$21,748,260	\$42,326,944	965	\$43,862
1994	1,019	\$22,989,161	\$43,605,038	939	\$46,438
1995	1,019	\$25,943,184	\$47,865,303	967	\$49,499
1996	1,017	\$21,373,407	\$38,311,065	941	\$40,713
1997	1,019	\$12,312,359	\$21,565,331	921	\$23,415
1998	1,015	\$14,112,720	\$24,340,860	901	\$27,015
1999	1,014	\$21,521,112	\$36,323,683	925	\$39,269
2000	1,012	\$15,980,140	\$26,090,502	921	\$28,328
2001	1,010	\$8,491,102	\$13,482,246	834	\$16,166
2002	1,006	\$6,596,599	\$10,310,608	680	\$15,163
2003	1,001	\$10,416,508	\$15,919,803	760	\$20,947
2004	989	\$11,663,522	\$17,360,854	795	\$21,838
2005	988	\$17,398,701	\$25,047,714	829	\$30,214
2006	985	\$15,971,228	\$22,274,130	844	\$26,391
2007	983	\$19,899,763	\$26,983,281	835	\$32,315
2008	979	\$20,955,694	\$27,364,529	850	\$32,194
2009	982	\$26,211,898	\$34,350,358	843	\$40,748
2010	982	\$31,022,079	\$39,998,054	868	\$46,081
2011	981	\$27,369,817	\$34,209,113	889	\$38,480
2012	979	\$24,730,731	\$30,283,885	893	\$33,913
2013	978	\$23,895,161	\$28,838,259	857	\$33,650
2014	977	\$39,293,065	\$46,664,465	878	\$53,149
2015	975	\$20,218,565	\$23,983,128	887	\$27,038
2016	971	\$34,356,275	\$40,245,457	861	\$46,743
2017	972	\$48,995,471	\$56,196,973	881	\$63,788
2018	970	\$59,696,076	\$66,837,816	882	\$75,780
2019	965	\$70,085,073	\$77,072,977	891	\$86,502
2020	964	\$37,342,149	\$40,564,983	840	\$48,292
2021	964	\$61,369,795	\$63,674,986	871	\$73,106

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC online Basic Information Tables where the online data does not account for the combination of interim-entry permits that were issued as permanent permits in the same year.

Table 2-15. Estimated Real Gross Earnings for Permit Holders in the Bristol Bay Salmon Set Gillnet Fishery by Resident Type, 1975-2021

Year	Local Gross Earnings			Nonlocal Gross Earnings			Nonresident Gross Earnings			Total Gross Earnings		
	People	Average	Total	People	Average	Total	People	Average	Total	People	Average	Total
1975	289	\$11,906	\$3,440,816	78	\$12,232	\$954,113	62	\$16,694	\$1,035,001	429	\$12,657	\$5,429,930
1976	327	\$19,200	\$6,278,281	87	\$19,398	\$1,687,631	98	\$20,385	\$1,997,683	512	\$19,460	\$9,963,595
1977	319	\$22,659	\$7,228,241	80	\$26,878	\$2,150,276	97	\$31,015	\$3,008,483	496	\$24,974	\$12,387,000
1978	407	\$37,621	\$15,311,871	128	\$51,275	\$6,563,174	125	\$41,507	\$5,188,334	660	\$41,005	\$27,063,379
1979	458	\$71,978	\$32,965,707	172	\$104,324	\$17,943,800	148	\$96,657	\$14,305,242	778	\$83,824	\$65,214,749
1980	446	\$39,180	\$17,474,361	195	\$63,267	\$12,337,109	173	\$54,729	\$9,468,062	814	\$48,255	\$39,279,532
1981	465	\$64,077	\$29,795,622	203	\$84,381	\$17,129,404	188	\$85,912	\$16,151,404	856	\$73,687	\$63,076,429
1982	446	\$29,840	\$13,308,856	229	\$38,911	\$8,910,546	198	\$39,472	\$7,815,437	873	\$34,404	\$30,034,839
1983	439	\$40,733	\$17,881,749	233	\$55,465	\$12,923,443	212	\$56,290	\$11,933,465	884	\$48,347	\$42,738,657
1984	436	\$30,653	\$13,364,652	236	\$39,110	\$9,229,982	207	\$36,388	\$7,532,332	879	\$34,274	\$30,126,966
1985	432	\$31,219	\$13,486,414	251	\$41,063	\$10,306,731	204	\$41,265	\$8,417,982	887	\$36,315	\$32,211,127
1986	433	\$57,807	\$25,030,516	255	\$68,025	\$17,346,333	200	\$67,309	\$13,461,838	888	\$62,881	\$55,838,687
1987	443	\$44,767	\$19,831,994	261	\$57,179	\$14,923,782	216	\$56,523	\$12,209,058	920	\$51,049	\$46,964,834
1988	457	\$62,785	\$28,692,717	264	\$68,260	\$18,020,576	221	\$76,933	\$17,002,232	942	\$67,639	\$63,715,525
1989	481	\$55,449	\$26,671,061	280	\$77,051	\$21,574,413	233	\$87,433	\$20,371,982	994	\$69,032	\$68,617,455
1990	459	\$52,954	\$24,306,078	291	\$64,211	\$18,685,276	241	\$72,442	\$17,458,404	991	\$60,999	\$60,449,759
1991	437	\$34,252	\$14,968,186	289	\$33,316	\$9,628,348	242	\$37,488	\$9,072,004	968	\$34,782	\$33,668,538
1992	451	\$45,167	\$20,370,246	293	\$56,563	\$16,572,900	254	\$63,116	\$16,031,563	998	\$53,081	\$52,974,709
1993	460	\$35,265	\$16,222,109	282	\$46,863	\$13,215,319	254	\$50,746	\$12,889,516	996	\$42,497	\$42,326,944
1994	432	\$38,988	\$16,842,704	270	\$51,897	\$14,012,078	249	\$51,206	\$12,750,257	951	\$45,852	\$43,605,038
1995	448	\$43,054	\$19,288,128	292	\$50,349	\$14,701,966	256	\$54,200	\$13,875,209	996	\$48,058	\$47,865,303
1996	419	\$36,920	\$15,469,400	294	\$40,747	\$11,979,590	249	\$43,623	\$10,862,075	962	\$39,824	\$38,311,065
1997	410	\$16,349	\$6,703,112	285	\$26,932	\$7,675,703	252	\$28,518	\$7,186,516	947	\$22,772	\$21,565,331
1998	393	\$22,650	\$8,901,318	273	\$28,278	\$7,719,791	252	\$30,634	\$7,719,750	918	\$26,515	\$24,340,860
1999	386	\$33,256	\$12,836,984	292	\$41,298	\$12,058,974	253	\$45,169	\$11,427,725	931	\$39,016	\$36,323,683
2000	370	\$26,618	\$9,848,788	292	\$28,466	\$8,312,169	272	\$29,153	\$7,929,546	934	\$27,934	\$26,090,502
2001	335	\$17,101	\$5,728,985	261	\$16,224	\$4,234,502	246	\$14,304	\$3,518,759	842	\$16,012	\$13,482,246
2002	288	\$11,966	\$3,446,318	184	\$17,416	\$3,204,526	212	\$17,263	\$3,659,764	684	\$15,074	\$10,310,608
2003	299	\$21,730	\$6,497,298	232	\$20,438	\$4,741,534	237	\$19,751	\$4,680,971	768	\$20,729	\$15,919,803
2004	294	\$16,306	\$4,794,007	245	\$24,096	\$5,903,545	260	\$25,628	\$6,663,302	799	\$21,728	\$17,360,854
2005	304	\$26,378	\$8,019,030	263	\$31,909	\$8,392,012	267	\$32,347	\$8,636,673	834	\$30,033	\$25,047,714
2006	314	\$25,003	\$7,850,940	265	\$26,522	\$7,028,247	276	\$26,793	\$7,394,943	855	\$26,052	\$22,274,130
2007	306	\$30,853	\$9,441,062	257	\$31,845	\$8,184,063	283	\$33,068	\$9,358,156	846	\$31,895	\$26,983,281
2008	305	\$32,303	\$9,852,347	264	\$31,071	\$8,202,699	285	\$32,665	\$9,309,483	854	\$32,043	\$27,364,529
2009	301	\$36,007	\$10,838,106	266	\$39,939	\$10,623,754	291	\$44,290	\$12,888,499	858	\$40,035	\$34,350,358
2010	296	\$46,440	\$13,746,216	242	\$48,269	\$11,681,042	278	\$52,413	\$14,570,796	816	\$49,017	\$39,998,054
2011	298	\$42,080	\$12,539,770	235	\$42,859	\$10,071,786	263	\$44,097	\$11,597,557	796	\$42,976	\$34,209,113
2012	297	\$33,179	\$9,854,189	232	\$39,172	\$9,087,919	258	\$43,960	\$11,341,777	787	\$38,480	\$30,283,885
2013	311	\$31,535	\$9,807,429	239	\$34,790	\$8,314,899	305	\$35,134	\$10,715,930	855	\$33,729	\$28,838,259
2014	313	\$50,700	\$15,869,013	250	\$50,690	\$12,672,468	321	\$56,458	\$18,122,985	884	\$52,788	\$46,664,465
2015	319	\$25,777	\$8,222,708	251	\$25,927	\$6,507,588	323	\$28,647	\$9,252,832	893	\$26,857	\$23,983,128
2016	324	\$44,940	\$14,560,711	240	\$45,506	\$10,921,444	308	\$47,933	\$14,763,302	872	\$46,153	\$40,245,457
2017	318	\$54,694	\$17,392,548	254	\$64,557	\$16,397,496	319	\$70,241	\$22,406,930	891	\$63,072	\$56,196,973
2018	331	\$74,408	\$24,629,140	241	\$74,989	\$18,072,366	316	\$76,381	\$24,136,310	888	\$75,268	\$66,837,816
2019	327	\$71,211	\$23,285,850	260	\$87,597	\$22,775,250	319	\$97,216	\$31,011,877	906	\$85,070	\$77,072,977
2020	294	\$35,932	\$10,563,966	256	\$51,407	\$13,160,230	297	\$56,703	\$16,840,787	847	\$47,893	\$40,564,983
2021	295	\$61,801	\$18,231,161	258	\$75,329	\$19,434,761	321	\$81,025	\$26,009,064	874	\$72,855	\$63,674,986

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index.
- Counts will differ from CFEC online Basic Information Tables where the online 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.

Bristol Bay Salmon Set Gillnet (S04T)

Table 2-16. Gross Real Earnings for the Bristol Bay Salmon Set Gillnet Fishery by ADF&G Salmon District, 1975 to 2021

Year	Togiak		Nushagak		Naknek-Kvichak		Egegik		Ugashik		Other		Total	
	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings
1975	35	\$316,078	143	\$1,711,779	158	\$2,196,935	93	\$1,170,656	14	\$34,056	-	-	-	\$5,429,930
1976	36	\$685,343	178	\$3,673,601	197	\$3,250,102	97	\$2,002,795	20	\$312,704	6	\$39,050	502	\$9,963,595
1977	37	\$1,037,548	176	\$2,353,822	188	\$4,651,789	92	\$4,029,539	9	\$262,184	8	\$52,118	497	\$12,387,000
1978	51	\$2,363,456	229	\$11,228,960	273	\$9,179,997	131	\$4,151,613	6	\$19,183	8	\$120,171	656	\$27,063,379
1979	63	\$2,003,398	250	\$12,276,495	302	\$33,407,509	159	\$12,193,460	28	\$1,460,564	337	\$3,873,324	770	\$65,214,749
1980	63	\$2,080,930	250	\$9,251,995	348	\$17,803,903	183	\$8,571,995	31	\$1,302,122	16	\$268,587	807	\$39,279,532
1981	73	\$2,628,234	262	\$22,436,517	351	\$19,076,400	170	\$14,960,111	53	\$3,818,657	21	\$156,510	841	\$63,076,429
1982	72	\$1,872,333	263	\$9,866,570	349	\$8,641,485	173	\$6,383,126	57	\$2,791,293	18	\$480,032	859	\$30,034,839
1983	69	\$1,768,844	265	\$9,744,598	362	\$18,241,638	175	\$10,357,913	49	\$2,579,877	7	\$45,787	865	\$42,738,657
1984	76	\$1,716,735	264	\$6,318,634	346	\$13,938,310	188	\$5,289,426	63	\$2,660,652	15	\$203,207	869	\$30,126,966
1985	66	\$1,200,642	250	\$7,132,944	354	\$12,834,277	181	\$7,092,289	81	\$3,711,568	18	\$239,408	872	\$32,211,127
1986	103	\$2,870,922	282	\$16,179,451	303	\$20,460,020	190	\$10,842,063	82	\$5,442,553	7	\$43,678	870	\$55,838,687
1987	66	\$3,232,169	282	\$14,944,682	317	\$14,997,783	206	\$10,820,229	78	\$2,800,554	9	\$169,418	899	\$46,964,834
1988	121	\$10,145,452	282	\$14,015,352	353	\$15,614,113	193	\$18,319,615	70	\$5,210,722	14	\$410,256	922	\$63,715,525
1989	96	\$1,127,423	288	\$20,839,193	364	\$24,558,405	217	\$15,482,652	68	\$6,501,500	18	\$108,283	971	\$68,617,455
1990	75	\$1,220,995	342	\$15,960,158	438	\$28,140,286	215	\$12,128,266	64	\$2,785,251	15	\$214,803	971	\$60,449,759
1991	103	\$2,577,901	311	\$11,385,803	357	\$10,824,724	212	\$5,666,739	63	\$3,118,355	12	\$95,014	950	\$33,668,538
1992	116	\$4,358,037	297	\$13,051,571	349	\$13,804,909	205	\$17,066,928	67	\$4,442,480	18	\$250,784	968	\$52,974,709
1993	108	\$2,467,517	293	\$12,247,791	333	\$11,668,680	226	\$12,489,878	71	\$3,287,776	11	\$165,302	965	\$42,326,944
1994	115	\$2,906,391	295	\$10,615,703	322	\$17,821,625	224	\$8,747,458	68	\$3,284,445	9	\$229,416	939	\$43,605,038
1995	103	\$3,111,841	292	\$12,586,300	347	\$18,731,554	207	\$11,526,694	67	\$1,853,341	12	\$55,573	967	\$47,865,303
1996	111	\$2,845,709	277	\$10,107,271	348	\$13,407,227	203	\$9,822,797	53	\$2,083,773	6	\$94,288	941	\$38,311,065
1997	84	\$1,022,253	283	\$7,457,006	299	\$1,574,122	242	\$9,653,059	58	\$1,795,922	9	\$62,968	921	\$21,565,331
1998	82	\$1,670,730	276	\$9,858,009	298	\$5,112,185	209	\$6,123,116	52	\$1,543,392	7	\$33,428	901	\$24,340,860
1999	77	\$1,681,394	295	\$13,483,732	309	\$10,650,068	204	\$8,624,627	50	\$1,883,418	-	-	-	\$36,323,683
2000	86	\$2,583,035	298	\$9,031,700	322	\$5,735,993	203	\$7,395,657	54	\$1,341,642	-	-	-	\$26,090,502
2001	82	\$1,363,568	277	\$4,537,549	250	\$5,225,722	193	\$1,927,817	51	\$427,559	-	-	-	\$13,482,246
2002	59	\$500,981	215	\$3,336,145	230	\$2,330,959	147	\$3,235,840	35	\$906,682	0	\$0	680	\$10,310,608
2003	76	\$1,487,282	222	\$5,598,359	244	\$5,504,592	181	\$2,299,861	52	\$1,029,709	0	\$0	760	\$15,919,803
2004	72	\$1,080,823	231	\$4,818,148	277	\$3,804,916	178	\$5,940,966	44	\$1,716,001	0	\$0	795	\$17,360,854
2005	71	\$1,332,738	236	\$6,018,428	288	\$8,350,686	184	\$7,487,385	57	\$1,855,815	-	-	-	\$25,047,714
2006	76	\$1,935,681	231	\$7,078,319	303	\$5,728,716	185	\$5,972,611	56	\$1,558,803	0	\$0	844	\$22,274,130
2007	75	\$2,106,370	235	\$9,013,684	289	\$8,789,025	189	\$5,136,852	50	\$1,937,350	0	\$0	835	\$26,983,281
2008	73	\$1,772,491	252	\$8,166,681	283	\$10,645,505	189	\$5,763,195	53	\$1,016,658	0	\$0	850	\$27,364,529
2009	70	\$1,667,166	253	\$10,975,756	275	\$10,082,929	194	\$9,640,837	54	\$1,980,488	-	-	-	\$34,350,358
2010	76	\$2,367,262	275	\$14,703,783	283	\$14,639,336	191	\$5,427,683	53	\$2,859,990	0	\$0	868	\$39,998,054
2011	83	\$2,928,716	288	\$10,134,256	276	\$12,210,380	197	\$6,277,730	53	\$2,658,031	0	\$0	889	\$34,209,113
2012	87	\$2,128,822	281	\$8,419,423	275	\$11,242,818	202	\$6,390,061	57	\$2,102,762	0	\$0	893	\$30,283,885
2013	80	\$2,355,825	272	\$8,004,372	259	\$8,572,316	190	\$7,602,033	58	\$2,302,343	0	\$0	857	\$28,838,259
2014	78	\$2,269,822	277	\$15,292,790	271	\$20,192,122	198	\$6,595,582	74	\$2,314,149	0	\$0	878	\$46,664,465

-continued-

Bristol Bay Salmon Set Gillnet (S04T)

Year	Togiak		Nushagak		Naknek-Kvichak		Egegik		Ugashik		Other		Total	
	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings	Permits	Gross Earnings
2015	82	\$1,077,393	277	\$7,248,555	279	\$8,962,769	195	\$5,024,524	58	\$1,669,889	0	\$0	887	\$23,983,128
2016	78	\$2,626,132	280	\$14,721,839	266	\$11,471,796	190	\$8,381,051	52	\$3,044,639	0	\$0	861	\$40,245,457
2017	80	\$2,846,685	284	\$21,674,224	274	\$16,920,189	189	\$11,420,298	59	\$3,335,577	0	\$0	881	\$56,196,973
2018	78	\$4,411,584	299	\$34,222,110	270	\$15,219,580	184	\$8,980,930	56	\$4,003,612	0	\$0	882	\$66,837,816
2019	82	\$5,229,524	308	\$26,941,852	258	\$22,725,761	189	\$19,146,711	58	\$3,029,129	0	\$0	891	\$77,072,977
2020	76	\$1,516,368	287	\$12,245,211	247	\$15,060,811	181	\$9,128,495	52	\$2,614,098	0	\$0	840	\$40,564,983
2021	72	\$3,451,142	298	\$25,900,289	256	\$19,641,746	191	\$10,014,578	59	\$4,667,231	0	\$0	871	\$63,674,986

- Adjusted for inflation to 2022 dollars using U.S. Bureau of Labor Statistics Consumer Price Index. Some permits are used to record landings in more than one district.
- “-“ masked for confidentiality

Chapter 3 Permit Holdings in Both Bristol Bay Salmon Fisheries.

Because of their established fishing history in multiple fisheries prior to limitation, some initial permit holders were issued permits in more than one fishery. Table 3-1 provides counts of permit holders who were issued permits in only one fishery or in both Bristol Bay salmon fisheries.

Table 3-1. Initial Issuance of Permits in the Bristol Bay Salmon Fisheries

<i>Drift Gillnet Only</i>	1,723
<i>Set Gillnet Only</i>	889
<i>Both Fisheries</i>	151

Table 3-2 shows the count of Bristol Bay salmon permit holders who either held or fished in one or both fisheries at some point during the year.

Table 3-2. Held and Fished Salmon Permits in Bristol Bay

Year	One Permit		Both Permits		Year	One Permit		Both Permits		Year	One Permit		Both Permits	
	Held	Fished	Held	Fished		Held	Fished	Held	Fished		Held	Fished	Held	Fished
1975	2,545	1,633	110	23	1992	3,333	2,914	26	4	2009	3,313	2,496	29	2
1976	2,535	1,827	97	23	1993	3,357	2,921	22	1	2010	3,309	2,570	37	5
1977	2,665	1,817	106	21	1994	3,420	2,868	24	3	2011	3,218	2,581	24	2
1978	2,857	2,205	116	21	1995	3,448	2,924	20	4	2012	3,187	2,543	23	4
1979	2,961	2,465	96	22	1996	3,426	2,883	25	2	2013	3,266	2,593	21	1
1980	2,991	2,554	82	21	1997	3,414	2,856	25	1	2014	3,304	2,660	21	3
1981	3,036	2,618	66	25	1998	3,383	2,800	22	2	2015	3,230	2,670	16	0
1982	3,079	2,646	61	20	1999	3,341	2,797	23	3	2016	3,316	2,601	18	2
1983	3,040	2,680	50	11	2000	3,383	2,775	19	1	2017	3,337	2,647	25	3
1984	3,048	2,695	42	11	2001	3,325	2,405	26	7	2018	3,338	2,653	26	5
1985	3,082	2,693	43	14	2002	3,208	1,864	32	3	2019	3,335	2,690	28	5
1986	3,127	2,737	41	6	2003	3,219	2,187	36	6	2020	3,320	2,581	24	1
1987	3,143	2,766	43	7	2004	3,199	2,259	32	7	2021	3,373	2,642	21	1
1988	3,119	2,808	39	6	2005	3,294	2,377	34	7					
1989	3,207	2,879	39	5	2006	3,235	2,436	37	8					
1990	3,242	2,892	39	6	2007	3,286	2,482	35	8					
1991	3,277	2,870	26	0	2008	3,232	2,509	36	5					

Appendix A. Dual and Stacked Permit Regulations

Dual Permits:					
Fishery and Fishery Code	First Season in Effect	Basic Regulation	Identification	Special Considerations	Regulations
Kodiak Salmon Set Gillnet S04K	2 regulations: (a) 1985 and (b) 2008 then 2010:	(a) 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 (b) 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. Board of Fish allowed stacked permit regulation to sunset in 2010	(a) Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits. (b) 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.	(b) Permit stacking regulation sunset in 2010 and is no longer allowed	(a) 5 AAC 18.331
Bristol Bay Salmon Drift Gillnet S03T	2004	Two permit holders may fish from a single vessel; the vessel's total allowable gear increases from 150 to 200 fathoms	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered. Must register with F&G prior to fishing.	Dual-permit operations are not allowed in certain restricted fishing areas	5 AAC 06.333 5 AAC 06.370
Cook Inlet Salmon Drift Gillnet S03H	2008	Two permit holders may fish from a single vessel; the vessel's total allowable gear increases from 150 to 200 fathoms	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered.	Dual-permit operations are not allowed in certain restricted fishing areas	5 AAC 21.333

Appendix B. Locations of DNR Shore Fishery Leases in Bristol Bay

Dual Permits:					
Fishery and Fishery Code	First Season in Effect	Basic Regulation	Identification	Special Considerations	Regulations
Southeast Herring Gillnet G34A	2006	Two permit holders may fish from a single vessel; the vessel's allowable gear increases from a single 50-fathom net to a 75-fathom net.	Vessels display the letter 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered.		5 AAC 27.131(i)
Prince William Sound Salmon Seine S01E	2022	Two permit holders may fish from a single vessel; the vessel's allowable gear increases from 225 fathoms to 250 fathoms	Vessels display a 'D' adjacent to the license plate when fishing 2 permits. Otherwise, the 'D' is to be covered	In times of conservation, the allowable gear may be restricted to 225 fathoms.	

Stacked Permits

2002: AS 16.43.140 (c) was amended to allow individuals to hold two salmon limited entry permits in the same fishery.

2006: AS 16.05.251 (i) gives the BOF the authority to grant fishing privileges to the second permit held by an individual.

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

Stacked Permits

2002: AS 16.43.140 (c) was amended to allow individuals to hold two salmon limited entry permits in the same fishery.

2006: AS 16.05.251 (i) gives the BOF the authority to grant fishing privileges to the second permit held by an individual.

Fishery and Fishery Code	First Season in Effect	Basic Regulation	Identification	Special Considerations	Regulations
Yakutat Salmon Set Gillnet S04D	2012	Permit holders may own and fish 2 permits simultaneously. Their allowable gear doubles from 4 nets and 105 fathoms to 210 fathoms in aggregate, with no single net longer than 35 fathoms.	Persons who fish 2 permits are issued 2 permit cards. Each are standard cards and either can be used to record a landing. Gillnet buoys must be marked with a 'D' and with both permit numbers when the operation fishes 2 permits. Valid only for Situk, Yakutat Bay, and Kaliakh, and only if Situk Chinook escapement exceeds 750 fish.	(e) Unless reauthorized, this regulation expires December, 2017 Update: This provision was repealed 6/17/2018 so stacking is still allowed	5 AAC 30.345