

Age Patterns Among Holders of Limited Entry Permits Residing in Petersburg, Alaska: 1975-2003

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October 2004
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This report examines the average age of holders of limited entry permits in Petersburg, Alaska over the 1975-2003 time period. Counts are provided of those who are 50 years old or less and over 50 years old by year. The report also provides counts of permit holders in Petersburg, Alaska by limited fishery and by year.

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Age Patterns Among Holders of Limited Entry Permits Residing in Petersburg, Alaska: 1975-2003

This report was prepared for a Petersburg Discussion Group organized by Kris Norosz of Icicle Seafoods. The commission has agreed to participate in the group. The purpose of the group is to discuss ways to help keep fishing operations within the community as local permit holders age and retire.

The report covers limited entry permits only. Limited entry permits are restricted in number and hence are more valuable than permits for open access fisheries.¹ Interim-use permits in unlimited fisheries and interim entry permits in limited fisheries are not included in this report.

The number of limited entry permits held by persons in a community can change over time. The number can increase as new fisheries are limited and entry permits are initially issued. The number can increase as permits are transferred to persons in the community from persons outside the community and decrease as permits are transferred from persons in the community to persons outside the community. Similarly, the number of permits can increase as permit holders move into a community and decrease as permit holders move away from the community. Entry permits can also be cancelled or forfeited for a variety of reasons including non-renewal for two years. Forfeitures have been particularly common in the salmon hand troll fishery where lots of nontransferable entry permits were issued.

Table 1 provides counts of the number of limited entry permits held by persons who reside in Petersburg, Alaska by fishery and year.² The table shows that the number and variety of limited entry permits held by persons in Petersburg has increased over time as a net result of the types of activities noted above. For example, at year-end 1980 residents of Petersburg held 207 limited entry permits and by 2003 Petersburg residents held 678 permits.

Table 2 provides details on how the average age of permit holders in Petersburg, Alaska has changed over the 1975-2003 time period. The table contains the total counts of limited entry permits held by persons residing in Petersburg by year and total counts of the number of persons who held those permits. As can be seen, many persons in Petersburg hold multiple permits. For example, at year-end 1997, 566 different limited entry permits were held by 396 residents of Petersburg.

Table 2 also provides data on the average age of permit holders by year and counts of the number and percent of permit holders who are fifty years old or less and the number and percent who are greater than fifty years old. If the same persons, held the same permits year after year then the average age of permit holders would increase by a year each year. However, the permit holders and permit holdings change for a variety of reasons as noted above. One of the big reasons is permit transfers as older persons exit a fishery and younger persons enter a fishery. Table 2 indicates that the average age of year-end permit holders has increased by about five years over the 1975 through 2003 time period.

¹ The data contain both transferable and nontransferable limited entry permits. Most limited entry permits are transferable, but some fisheries, such as the salmon handtroll fishery, have substantial numbers of nontransferable limited entry permits.

² For purposes of this report, a permit holder is considered a resident of the community if the address provided at the time of permit issuance/renewal is listed as Petersburg, Alaska. The data in this report may differ slightly from other commission reports with different methods of assigning residency.

Most of the increase in average age of Petersburg permit holders has occurred in more recent years. The pattern is typical of what is occurring over all limited fisheries and may be due to declining permit transfer rates in many fisheries and increases in the average ages of both transferors and transfer recipients.

The average ages of all permit holders have been increasing in recent years.³ Figure 1 illustrates the increase in overall permit holder age by comparing age statistics belonging to Petersburg limited entry permit holders with statewide holders of limited entry permits.⁴ As can be seen, the mean ages of Petersburg entry permit holders have followed roughly the same trend as the mean age of all entry permit holders over the 1975-2003 time period. Yearend 2003 data show little difference in mean age between Petersburg entry permit holders and statewide entry permit holders.

³ See CFEC Report Number 04-1N (forthcoming), *Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2003*

⁴ The average ages shown in the graph in Figure 1 differ slightly from the data shown in Table 2. In Figure 1, the mean ages are calculated by averaging the ages of the holder of every permit. Thus a person who holds more than one permit would be counted more than once in the averages graphed in Figure 1. In Table 2, the age of a person who holds multiple permits is counted only once in the mean age.

Table 1: Counts of Permanent Limited Entry Permits Held By Residents of Petersburg, Alaska, By Year and Fishery Code, 1975-1989

Fishery	Description	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
C 61A	NSEI Sanlefish Longline															3
C 61C	SSEI Sablefish Longline															
D 10A	SE Dungeness Ring Net															
D 11A	SE Dungeness Dive															
D 9AA	SE Dungeness 300 Pot															
D 9BA	SE Dungeness 225 Pot															
D 9CA	SE Dungeness 150 Pot															
D 9DA	SE Dungeness 75 Pot															
G 01A	SE Roe Herring Seine			18	17	18	17	17	18	19	19	19	18	19	17	17
G 01E	PWS Roe Herring Seine				1						2	3	3	4	6	5
G 01H	Cook Inlet Herring Seine			1	1							1	1	2	2	1
G 01K	Kodiak Roe Herring Seine															
G 04A	SE Roe Herring Set Gillnet				6	18										
G 34A	SE Herring Gillnet						22	22	22	19	22	20	23	25	24	25
G 34N	Nelson Island Herring Gillnet															
G 34U	Nunivak Island Herring Gillnet															
G 34Z	Norton Sound Herring Gillnet															
J 11A	SE Geoduck Dive															
K 29A	SE Red, Blue, Brown King Crab Pot															
K 39A	SE Brown King Crab Pot															
K 49A	SE Red, Blue King/Tanner Pot															2
K 59A	SE Brown King/Tanner Pot															
K 69A	SE All King/Tanner Pot															4
L 21A	NSE Herring Spawn on Kelp Pound															
L 21C	SSE Herring Spawn on Kelp Pound															
L 21E	PWS Herring Spawn on Kelp Pound															
P 17A	SE Shrimp Beam Trawl															
P 91A	SE Shrimp Pot															
Q 11A	SE Cucumber Dive															
S 01A	SE Salmon Seine	40	39	43	45	43	44	45	45	48	49	49	50	51	49	53
S 01E	PWS Salmon Seine		2	2	1									1	2	2
S 01H	Cook Inlet Salmon Seine			1	1									1	1	1
S 01K	Kodiak Salmon Seine					1	1	1	1	1	1	1	1	2	2	2
S 01M	Pen/Aleutian Salmon Seine										1	1	1			
S 03A	SE Salmon Drift Gillnet	45	48	48	54	54	54	59	65	64	62	64	67	67	67	68
S 03M	Pen/Aleutian Salmon Drift Gillnet								1	1	1	1	2	3	3	4
S 03T	Bristol Bay Salmon Drift Gillnet				3	4	6	5	9	14	17	18	18	16	18	18
S 04D	Yakutat Salmon Setnet		1												1	1
S 04M	Pen/Aleutian Salmon Setnet															
S 05B	Salmon Hand Troll								50	180	179	172	173	173	170	166
S 15B	Salmon Power Troll	55	58	65	66	62	63	66	71	75	71	72	77	83	85	82
T 19A	SE Tanner Crab Pot															1
Year Totals		140	148	178	195	200	207	215	282	421	424	421	434	447	447	455

(continued)

Table 1: Counts of Permanent Limited Entry Permits Held By Residents of Petersburg, Alaska, By Year and Fishery Code, 1990-2003

Fishery	Description	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
C 61A	NSEI Sablefish Longline	4	5	8	10	11	10	10	12	11	12	12	12	11	11
C 61C	SSEI Sablefish Longline	1	1					1	1	2	2	2	2	2	2
D 10A	SE Dungeness Ring Net								2	2	1	1	1	1	1
D 11A	SE Dungeness Dive								1	1	1				
D 9AA	SE Dungeness 300 Pot								28	28	26	27	29	29	30
D 9BA	SE Dungeness 225 Pot								15	15	16	16	16	16	16
D 9CA	SE Dungeness 150 Pot								26	28	28	28	30	32	31
D 9DA	SE Dungeness 75 Pot								18	21	26	27	27	25	24
G 01A	SE Roe Herring Seine	16	15	14	14	14	13	11	11	11	11	11	11	10	9
G 01E	PWS Roe Herring Seine	5	5	4	4	4	4	4	3	3	4	4	4	4	4
G 01H	Cook Inlet Herring Seine	1	1	1	1	2									
G 01K	Kodiak Roe Herring Seine						1	1	1	1					
G 04A	SE Roe Herring Set Gillnet														
G 34A	SE Herring Gillnet	26	26	27	29	33	35	34	36	35	33	33	35	33	33
G 34N	Nelson Island Herring Gillnet	1	1	2	2	2	2								
G 34U	Nunivak Island Herring Gillnet	1	2	2	2	2	2	2	2	2	2	2	2	2	2
G 34Z	Norton Sound Herring Gillnet	2	2	2	2	1	2	2	2	2	1	1	1	1	3
J 11A	SE Geoduck Dive												1	2	2
K 29A	SE Red,Blue, Brown King Crab Pot			1	1	1	1	1	1	1	1	1	1	1	1
K 39A	SE Brown King Crab Pot	1	1	1	1	1	1	1	1	1	1	1	1	1	1
K 49A	SE Red, Blue King/Tanner Pot	3	4	5	5	5	5	5	5	5	5	4	5	5	5
K 59A	SE Brown King/Tanner Pot											1	1	1	2
K 69A	SE All King/Tanner Pot	9	9	9	9	10	11	11	11	11	12	12	12	13	13
L 21A	NSE Herring Spawn on Kelp Pound									9	9	14	16	20	25
L 21C	SSE Herring Spawn on Kelp Pound									15	18	19	18	24	25
L 21E	PWS Herring Spawn on Kelp Pound							2	2	2	2	2	2	2	2
P 17A	SE Shrimp Beam Trawl										2	5	7	9	8
P 91A	SE Shrimp Pot									17	28	27	28	28	27
Q 11A	SE Cucumber Dive												18	21	18
S 01A	SE Salmon Seine	52	51	50	51	51	51	51	52	54	57	62	61	59	58
S 01E	PWS Salmon Seine	2	2	1	1	1	1	1	1	1	1	1	1	1	1
S 01H	Cook Inlet Salmon Seine														
S 01K	Kodiak Salmon Seine	3	2	2	2	2	2	2	2	2	2	1	1	1	1
S 01M	Pen/Aleutian Salmon Seine			1											
S 03A	SE Salmon Drift Gillnet	62	59	64	75	73	74	74	83	84	86	86	85	79	81
S 03M	Pen/Aleutian Salmon Drift Gillnet	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S 03T	Bristol Bay Salmon Drift Gillnet	21	21	23	24	28	29	32	31	32	28	26	25	25	24
S 04D	Yakutat Salmon Setnet	1													
S 04M	Pen/Aleutian Salmon Setnet								1	1	1	1			
S 05B	Salmon Hand Troll	166	170	164	163	157	153	154	153	147	148	142	141	138	142
S 15B	Salmon Power Troll	84	74	70	68	66	62	62	64	63	61	62	65	68	72
T 19A	SE Tanner Crab Pot	1	1	1	1	1	1				1	1	1	3	3
Year Totals		463	453	453	466	466	461	462	566	608	627	633	661	668	678

Notes: Permit counts in this table may differ slightly from other CFEC reports. Counts of interim entry permits (IEPs) issued to eligible applicants in limited entry fisheries during the adjudication process have been excluded from this table.

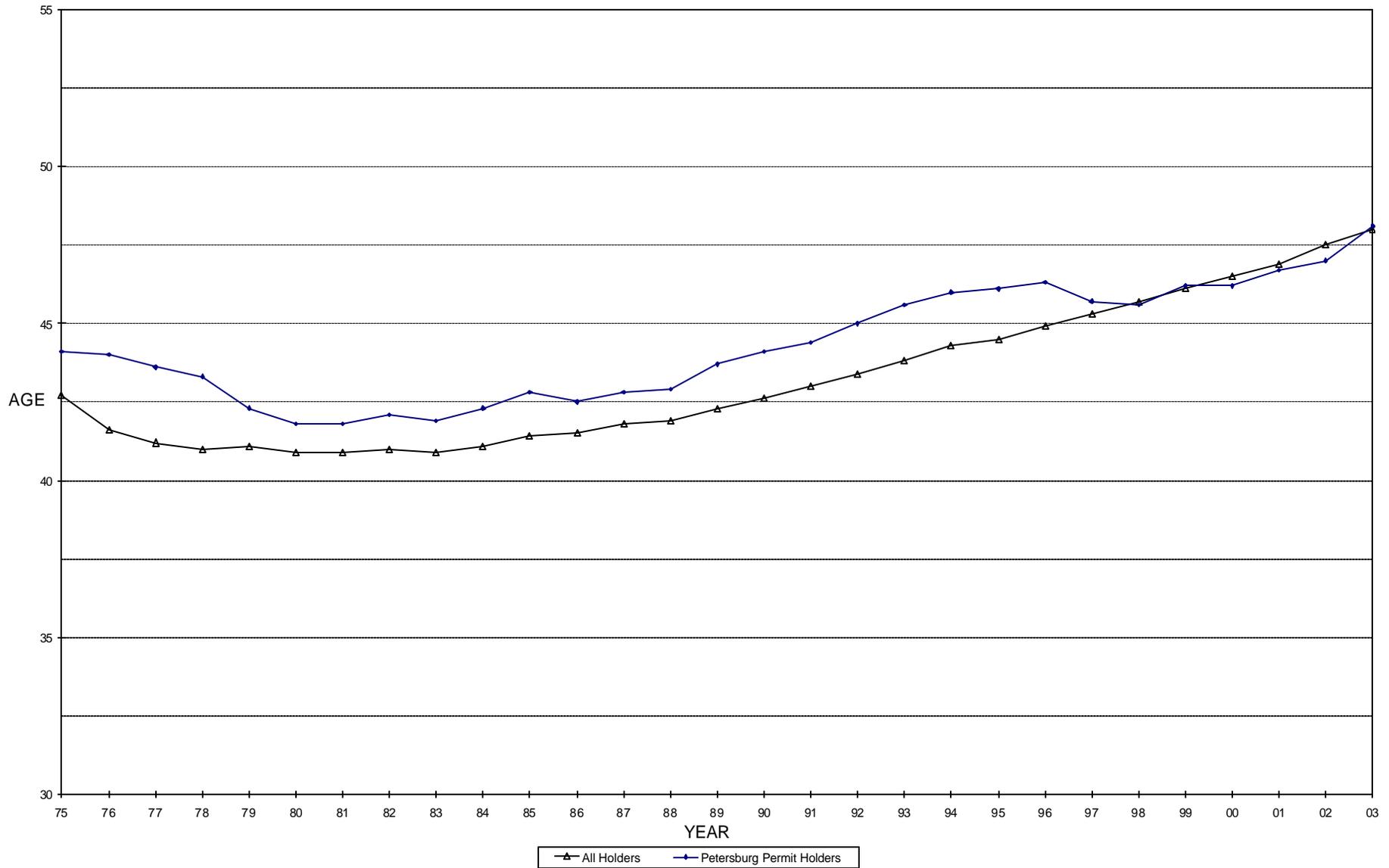
Table 2. Counts by Age Category of Unique Permanent Limited Entry Permit Holders Residing in Petersburg, Alaska , 1975-2003

Year	Permit Counts	Unique IDs	Average Number Of Permits Per ID	Mean Age	Permit Holder Age			
					<= 50 Years	%	> 50 Years	%
1975	140	127	1.1	44.2	79	62%	48	38%
1976	148	132	1.1	44.0	83	63%	49	37%
1977	178	142	1.3	43.8	90	63%	52	37%
1978	195	150	1.3	43.3	95	63%	55	37%
1979	200	157	1.3	42.4	105	67%	52	33%
1980	207	163	1.3	41.8	115	71%	48	29%
1981	215	165	1.3	41.7	117	71%	48	29%
1982	282	224	1.3	42.2	155	69%	69	31%
1983	421	343	1.2	41.9	248	72%	95	28%
1984	424	340	1.2	42.4	244	72%	96	28%
1985	421	340	1.2	42.8	246	72%	94	28%
1986	434	346	1.3	42.2	262	76%	84	24%
1987	447	351	1.3	42.9	260	74%	91	26%
1988	447	356	1.3	43.3	265	74%	91	26%
1989	455	359	1.3	44.2	263	73%	96	27%
1990	463	356	1.3	44.5	257	72%	99	28%
1991	453	350	1.3	44.6	256	73%	94	27%
1992	453	341	1.3	45.0	241	71%	100	29%
1993	466	349	1.3	45.8	237	68%	112	32%
1994	466	342	1.4	46.3	224	65%	118	35%
1995	461	342	1.3	46.4	220	64%	122	36%
1996	462	348	1.3	46.5	223	64%	125	36%
1997	566	396	1.4	45.7	270	68%	126	32%
1998	608	405	1.5	45.9	263	65%	142	35%
1999	627	402	1.6	46.6	251	62%	151	38%
2000	633	406	1.6	46.3	248	61%	158	39%
2001	661	407	1.6	47.1	249	61%	158	39%
2002	668	407	1.6	47.5	239	59%	168	41%
2003	678	409	1.7	49.0	218	53%	191	47%
Totals	12,279	8,955			6,023		2,932	

Notes: *Permit counts in this table represent permanent permits only and therefore, may differ slightly from other CFEC reports. Counts of interim entry permits (IEPs) issued to applicants in limited entry fisheries whose claims are being adjudicated have not been included in permit totals. Mean age has been calculated using unique IDs irrespective of the number of permits held. Mean ages may differ slightly from those calculated in Figure 1 where all permits held by an individual have been taken into consideration.*

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Figure 1. Mean Ages of All Petersburg Limited Entry Permit Holders Compared to Mean Ages of All Limited Entry Permit Holders, 1975-2003



Notes: Mean age has been calculated using all limited entry permits held by an individual. Mean ages may differ from Table 2 ages where unique IDs are considered only once. Statewide data are from CFEC Report Number 04-1N (forthcoming), Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-2003

