# License Longevity, Alaskan Community, and Age of Commercial Crewmember License Holders

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## Abstract

The licensing system utilized by the Alaska Department of Fish and Game for issuing commercial crewmember licenses is practical, enabling participants in the commercial fisheries of Alaska to obtain licenses easily from vendors across the state, including in remote locations. The licenses are issued annually, however with no definitive information linking a license holder from one year to licenses held in other years. A previous study attempted to identify individuals in the crewmember license data and assigned each a unique identification number. This unique identification number allows a license holder to be identified in each year they held a commercial crewmember license. In this report, the license longevity, or number of years in which a license holder has held a commercial crewmember license, was determined using the unique identification number. License longevity is summarized for all license holders, for resident and nonresident license holders, and for license holders by Alaskan community. The difficulties in summarizing license longevity are discussed. Age data of license holders are examined and compared to license longevity.

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## 1.0 Introduction

Interest in commercial crewmember data has been growing. There is interest in studying commercial fishing employment trends, tracking crewmember participation in particular fisheries, and in light of potential use-privilege allocation issues, developing histories for crewmembers based on participation in fisheries. The primary source of information about commercial crewmembers arises from commercial crewmember licenses issued by the Alaska Department of Fish and Game (ADF&G). According to ADF&G regulations, a person is required to obtain a commercial crewmember license in order to participate in commercial fishing in any waters of Alaska, if they do not already hold a valid Commercial Fisheries Entry Commission (CFEC) interim-use or limited entry permit card (5 AAC 39.110). ADF&G has been issuing commercial crewmember licenses since 1988.[1] With the issuance of each license, certain data are collected about the license holder. These data are used in this study.

Commercial crewmember licenses are sold through vendors in addition to ADF&G Division of Administrative Services (DAS), making them readily accessible to persons interested in working in the fishing industry. ADF&G DAS and roughly 1,600 vendors across the state of Alaska sell hunting, trapping, sport fishing, and commercial crewmember licenses.[2] A crewmember can be licensed and available to begin working on short notice and in remote locations. This licensing system was intended to make obtaining a crewmember license easy and quick for participants in the fishing industry. It was not designed to be a definitive source of demographic data on crew, or be a means for tracking crewmember participation.

CFEC obtained crewmember data from ADF&G for license years 1988 through 2006 with the hopes of tracking crewmember license holdings through time and determining if crewmember license holders become CFEC interim-use or limited entry permit holders. The initial step towards addressing these issues was to analyze the contents of ADF&G commercial crewmember data, and to do a preliminary evaluation of its quality. The results of these initial analyses can be found in *Preliminary Examination of Commercial Crewmember License Data*.[3] The second step was to determine whether unique individuals could be identified in the commercial crewmember data and if a unique identifier could be assigned. The process CFEC used to assign unique identifiers to individuals in commercial crewmember data is discussed in *A Unique Identifier for Commercial Crewmember License Data.*[4] The report also summarizes the merits and shortcomings of the identification process and the resulting identification numbers. When unique identification numbers could be assigned successfully to individuals found within the crewmember license data, it allowed identification of each year they held a crewmember license. As a result it was possible to estimate the number of years a crewmember has held a license between 1988 and 2006.

The extent to which crew jobs are held by long-term "professionals" as opposed to short-term workers is currently a topic of interest. Long-term professionals are viewed as being more dependent upon fisheries for their livelihood. Some have argued that federal "rationalized" fisheries should include initial quota share to crewmembers. The focus of this report is on license longevity, the number of years that license holders have held crewmember licenses. This report examines license longevity for all license holders, for resident and nonresident license holders, and for license holders by Alaskan community. The number of long-term professionals or short-term workers suggested by the crewmember license data is addressed.

While the concept of license longevity is easy to understand, estimating license longevity is more difficult because of data limitations. There exist constraints within the data that influence the accurate measurement of a crewmember's license longevity. These constraints are discussed and an effort was made to alleviate their influence. This report examines two methods to estimate license longevity from crew license sales and discusses the limitations of each.

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[1] Commercial crewmember licenses were issued by the Alaska Department of Revenue between 1984 and 1987. According to an internal CFEC memo dated August 9, 2004, by Laura Joralemon, crewmember license data from 1984 through 1987 exist on floppy discs that may or may not be readable as data from an old WANG system that the Department of Revenue used. There are microfiche copies of the license data in report format. Paper copies of the licenses do not exist.

[2] Wright, Kristin. 2007. Personal communication. Alaska Department of Fish and Game; P.O. Box 115526, Juneau, AK 99811-5526. While there are roughly 1,600 vendors each year, vendor codes in the crew license data for non-voided licenses attribute only 236 to 352 vendors each year with selling commercial crewmember licenses between 1988 and 2006.

[3] Tide, Cathy. 2007. *Preliminary Examination of Commercial Crewmember License Data*. Commercial Fisheries Entry Commission, CFEC Report 07-7N, Juneau.

[4] Tide, Cathy. 2008. *A Unqiue Identifier for Commercial Crewmember License Data.* Commercial Fisheries Entry Commission, CFEC Report 08-1N, Juneau.

Findings identified through this study include:

- Because of concerns that longevity summarized for all license holders over the 19 years of data underestimates the longevity of license holders, longevities were summarized for license holders in each year between 1988 and 2006 in an attempt to reduce the influence of data constraints. In 2006, the mean license longevity was 5.20 years. Since the distribution of license holders by longevity is skewed, the median longevity in 2006 was 3 years.
- Some license holders likely held licenses in more years than the data available here. Because of these truncated longevities, the summary data presented here likely underestimate true license longevity.
- The number of unique license holders within a year has dropped dramatically since the early 1990s. A sharper decline has been seen in the number of resident license holders than nonresident license holders.
- The average resident license holder has been a crewmember license holder longer than the typical nonresident license holder. In 2006, the mean and median license longevity for nonresident license holders was 4.34 and 2 years, respectively. For resident license holders, these values were 5.92 and 4 years.
- The location of Alaskan crewmember license holders is concentrated in relatively few Alaskan communities. The percentage of crewmember license holders that indicate an Alaskan community as their permanent mailing address has been declining since 1988.
- The Alaskan communities with the highest ratio of license holders per capita are not the communities where license holdings are concentrated.
- Since 2002, license holders under the age of 30 have made up an increasingly larger percentage of the license holders. In 2006, the mean age of professional crew, those with 10 or more years of license longevity, is more than 12 years greater than the mean age of short-term license holders, those with 1 or 2 years of license longevity.

## 2.0 Crewmembers versus Crewmember License Holders

There is a difference between the group of individuals that constitute crewmember license holders and those that are crewmembers. Crewmember license holders are simply the individuals who have purchased ADF&G commercial crewmember licenses. They are considered crewmember license holders whether they participate in a commercial fishery or not. On the other hand, crewmembers are individuals that have participated in a commercial fishery. Crewmembers may include individuals that hold a crewmember license or those that have a valid CFEC interim-use or limited entry permit card, since ADF&G regulations stipulate that either may be used to participate in commercial fishing.[5] Because data are not collected about crewmember participation in fisheries, it is not possible to identify if ADF&G crewmember license holders or CFEC permit card holders are crewmembers.[6] The focus of this report is on commercial crewmember license holders and any conclusions presented herein reflect crewmember license holders rather than crewmembers.

## 3.0 Unique Identification Numbers

Individuals who obtain commercial crewmember licenses do not necessarily have a reliable unique identification number. Crewmember licenses are issued annually by ADF&G and as such each crewmember has a different license number each year. There is no definitive information linking a license holder from one year to licenses held in other years. Information such as social security number, birth date, first name, and last name are collected with the issuance of crew licenses, but unfortunately, none act as a completely reliable unique identifier in the crewmember data because any of these fields can be missing or contain inaccurate data.

[5] 5 AAC 39.110

[6] With the exception of skippers, crewmember participation is not documented. Skipper participation is documented when their CFEC permit is identified with a landing on a fish ticket.

In order to determine the license longevity of crewmembers, a unique identifier is necessary. A unique identifier helps link licenses held by an individual across years. CFEC attempted to identify distinct individuals found within the license data and then assigned an identification number to each license associated with that individual. Information found in the social security number, birth date, first name, and last name fields were used in combination to identify distinct individuals.

The process used to identify unique individuals across observations and assign identification numbers to license data was not flawless. The process attempted to overcome variability or a lack of response in certain data fields and in many cases was able to identify the licenses of an individual across years. However, the assignment of a unique identification number was far from perfect. A more thorough explanation of the process and its shortcomings can be found in *A Unique Identifier for Commercial Crewmember License Data.*[7] The analysis in this report is based on the assignment of those identification numbers and because the identification was not flawless, all findings presented here should be viewed with caution. The values shown in this paper should be considered as estimates rather than precise measurements of longevity.

## 4.0 License Longevity

License longevity refers to the number of years that an individual has held a commercial crewmember license. In this analysis, license longevity was summarized in two ways: comprehensively for all license holders over the entire 19 year time period between 1988 and 2006 and then for license holders in each year within that 19 year time period. In order for longevity to be summarized in these two ways, both comprehensive and cumulative license longevity values were determined for each individual within the data.

The comprehensive longevity value reflects the total number of years that an individual held a crewmember license between 1988 and 2006. Based on unique identification number assignments, an estimated 202,795 distinct individuals obtained at least one commercial crewmember license between 1988 and 2006. As such, each of these 202,795 individuals in the crewmember license data is attributed with a single comprehensive license longevity value. For example, an individual with a crewmember license in each year between 1988 and 2006 has a comprehensive longevity value of 19 years and an individual with a crewmember license only in 1990 has a longevity value of 1 year.

The cumulative longevity values reflect the number of years that an individual held a crewmember license between 1988 and a particular year between 1988 and 2006. Each of the estimated 202,795 individuals in the data has a cumulative longevity value for each year in which they held a commercial crewmember license. As such, there are 493,127 cumulative longevity values. For example, an individual who held a license in every year between 1988 and 2006 has 19 cumulative longevity values, one for each year they held a license. In 1988 their longevity is 1 year, in 1989 their longevity is 2 years, and in 1990 their longevity is 3 years, etc. For each succeeding year, the longevity value increases by one year, until 2006 in which their longevity is 19 years. For an individual who only held a license in 1990, they have a single cumulative longevity value in 1990 of 1 year.

License longevity is a way of identifying long-term license holders, those who have held crew licenses for multiple years, and short-term license holders, those who have held crew licenses in just a few years. For the purposes of this report, long-term professional crew are considered those that held a license in 10 or more years and short-term transient crew are those who held a license in 1 or 2 years. Because information is not collected about which crew license holders participate in fisheries, and which CFEC permit card holders participate as crewmembers, the longevity discussed herein reflects license longevity, not necessarily crewmember longevity.

[7] Tide, Cathy. 2008. *A Unqiue Identifier for Commercial Crewmember License Data.* Commercial Fisheries Entry Commission, CFEC Report 08-1N, Juneau.

### 4.1 License Longevity Summarized Over Entire 1988 through 2006 Period

The first method of summarizing license longevity was to simply determine the frequency of license holders by the number of years they held a commercial crewmember license over the 19 year period from 1988 through 2006. Each of the 202,795 individuals in the crewmember license data is attributed with a single comprehensive longevity value. There are license holders that held licenses in as few as 1 year and in as many as 19 years. Examined in this way, a majority of individuals (74.1%) appear to have been short-term license holders, with licenses in only 1 or 2 years between 1988 and 2006. Very few individuals appear to be long-term license holders with a license in 10 or more years (4.0%). For persons who held a license at some point in the 1988 to 2006 time period, the mean longevity was 2.43 years and the median longevity was 1 year.[8]

Analysis of license longevity in this manner may be overly simplistic, however. This analysis treats all license holder data equally, and ignores the fact that the lengths of some of the longevities are constrained by the number of years of data that precede the individual's final appearance in the data. For example, an individual that appears in the data for the last time in an early year like 1990 may appear to have a longevity of 1, 2, or 3 years when in fact their longevity may be much longer in reality. In this analysis they cannot be attributed with a greater longevity because of the limited years of preceding data included in the analysis. By contrast, an individual with a final appearance in the data in a later year, say 2005, may also have a longevity of 1, 2, or 3 years. However, it is also possible for the individual in 2005 to have a longevity of up to as many as 18 years. Because of the number of preceding years of license data available to the individual in the 2005 data, any of these longevities are possible. Summarizing longevity in this manner, with a disregard to data constraints, is misleading and as such are not shown here in detail. The following section summarizes longevities in a cumulative manner for each year between 1988 and 2006 in an attempt to determine a more accurate picture of crewmember license longevity and to take into account these data constraints. Later sections in this report, which summarize longevity by residency or Alaskan community, also summarize license longevity in a cumulative manner.

### 4.2 License Longevity Summarized in Each Year between 1988 and 2006

An alternative method of summarizing license longevity is to determine the frequency of license holders in each year by their cumulative longevity to that point. Each of the 202,795 individuals in the crewmember license data has a cumulative longevity value attributed to them each year that they appear in the data. In this manner, the individuals who held a license in a particular year and the total number of years that they held a license up to and including that year are summarized. While a summary of license longevity in this manner still has its biases, it eliminates the uneven basis upon which longevities were summarized in the prior method. With this "point in time" approach, the same number of preceding years of data exists for each individual in a particular year. Table 1 summarizes the license longevity of license holders in each year. The table indicates the license year, the number of years of data available leading up to and including that year, the number of unique license holders identified in that year, and the mean and median longevity for license holders in that year.

This alternative method is a cross section analysis of license holders and their longevity rather than analysis of license holders over all years. The year that would likely give the most accurate index of license longevity would be the most recent year in the time period because it has the greatest number of prior years included. In these data, 2006 is the most recent year and it represents 19 years of license data, 2006 data and 18 years of preceding data. In 2006, 17,377 unique license holders held licenses for 5.20 years on average.[9] The mean longevity for 2006 is more than twice that of the mean longevity discussed in the previous section where longevity was summarized for all license holders over the entire time period, 1988 to 2006. In 2006 the median longevity was 3 years.[10] This is greater than the 1 year median value for all license holders over the 1988 to 2006 time period.

[8] The standard deviation was 2.76 years.
[9] For 2006 longevity data, the standard deviation was 4.81 years.
[10] Note that the mean and median longevity measures calculated in this alternative cross-section method may also be underestimates, because any crew license purchases by an individual prior to 1988 and/or after 2006 are not included in the calculation. This and other possible sources of underestimation are discussed in following sections.

**Table 1. Mean and Median License Longevity and the Number of Unique Commercial Crewmember License Holders by License Longevity, by Year**

| License Year | Available Years of License Data | No. of Unique License Holders[1] | Longevity (in years) | | Number of License Holders by License Longevity[2] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | 1 Year | 2 Years | 3 Years | 4 Years | 5 Years | 6 Years | 7 Years | 8 Years | 9 Years | 10 Years | 11 Years | 12 Years | 13 Years | 14 Years | 15 Years | 16 Years | 17 Years | 18 Years | 19 Years |
| 2006 | 19 | 17,377 | 5.20 | 3 | 5,300 | 2,195 | 1,529 | 1,226 | 951 | 827 | 719 | 625 | 591 | 557 | 468 | 418 | 379 | 337 | 340 | 302 | 280 | 225 | 108 |
| | | | | | 30.5% | 12.6% | 8.8% | 7.1% | 5.5% | 4.8% | 4.1% | 3.6% | 3.4% | 3.2% | 2.7% | 2.4% | 2.2% | 1.9% | 2.0% | 1.7% | 1.6% | 1.3% | 0.6% |
| 2005 | 18 | 18,042 | 5.19 | 3 | 5,350 | 2,297 | 1,558 | 1,182 | 1,069 | 923 | 796 | 716 | 662 | 565 | 500 | 480 | 412 | 415 | 376 | 344 | 270 | 127 | |
| | | | | | 29.7% | 12.7% | 8.6% | 6.6% | 5.9% | 5.1% | 4.4% | 4.0% | 3.7% | 3.1% | 2.8% | 2.7% | 2.3% | 2.3% | 2.1% | 1.9% | 1.5% | 0.7% | |
| 2004 | 17 | 17,955 | 5.16 | 4 | 5,153 | 2,256 | 1,561 | 1,291 | 1,053 | 916 | 845 | 754 | 680 | 583 | 556 | 490 | 499 | 432 | 415 | 321 | 150 | | |
| | | | | | 28.7% | 12.6% | 8.7% | 7.2% | 5.9% | 5.1% | 4.7% | 4.2% | 3.8% | 3.3% | 3.1% | 2.7% | 2.8% | 2.4% | 2.3% | 1.8% | 0.8% | | |
| 2003 | 16 | 17,469 | 5.09 | 4 | 4,968 | 2,053 | 1,562 | 1,286 | 1,048 | 994 | 867 | 749 | 672 | 637 | 545 | 571 | 508 | 480 | 353 | 176 | | | |
| | | | | | 28.4% | 11.8% | 8.9% | 7.4% | 6.0% | 5.7% | 5.0% | 4.3% | 3.9% | 3.7% | 3.1% | 3.3% | 2.9% | 2.8% | 2.0% | 1.0% | | |
| 2002 | 15 | 16,759 | 4.92 | 4 | 4,807 | 1,980 | 1,514 | 1,251 | 1,067 | 951 | 852 | 709 | 664 | 579 | 593 | 568 | 557 | 440 | 227 | | | | |
| | | | | | 28.7% | 11.8% | 9.0% | 7.5% | 6.4% | 5.7% | 5.1% | 4.2% | 4.0% | 3.5% | 3.5% | 3.4% | 3.3% | 2.6% | 1.4% | | | | |
| 2001 | 14 | 19,781 | 4.50 | 3 | 6,589 | 2,306 | 1,757 | 1,408 | 1,203 | 1,057 | 858 | 878 | 745 | 719 | 712 | 687 | 554 | 308 | | | | | |
| | | | | | 33.3% | 11.7% | 8.9% | 7.1% | 6.1% | 5.3% | 4.3% | 4.4% | 3.8% | 3.6% | 3.6% | 3.5% | 2.8% | 1.6% | | | | | |
| 2000 | 13 | 23,305 | 4.53 | 3 | 6,768 | 3,000 | 2,288 | 1,809 | 1,538 | 1,274 | 1,243 | 1,082 | 1,035 | 1,003 | 983 | 817 | 465 | | | | | | |
| | | | | | 29.0% | 12.9% | 9.8% | 7.8% | 6.6% | 5.5% | 5.3% | 4.6% | 4.4% | 4.3% | 4.2% | 3.5% | 2.0% | | | | | | |
| 1999 | 12 | 24,022 | 4.38 | 3 | 6,879 | 3,212 | 2,350 | 1,926 | 1,618 | 1,454 | 1,278 | 1,270 | 1,209 | 1,205 | 1,027 | 594 | | | | | | | |
| | | | | | 28.6% | 13.4% | 9.8% | 8.0% | 6.7% | 6.1% | 5.3% | 5.3% | 5.0% | 5.0% | 4.3% | 2.5% | | | | | | | |
| 1998 | 11 | 24,127 | 4.16 | 3 | 7,245 | 3,121 | 2,402 | 1,959 | 1,688 | 1,499 | 1,411 | 1,401 | 1,410 | 1,246 | 745 | | | | | | | | |
| | | | | | 30.0% | 12.9% | 10.0% | 8.1% | 7.0% | 6.2% | 5.9% | 5.8% | 5.8% | 5.2% | 3.1% | | | | | | | | |
| 1997 | 10 | 26,530 | 3.65 | 2 | 9,997 | 3,280 | 2,345 | 2,007 | 1,675 | 1,531 | 1,528 | 1,627 | 1,566 | 974 | | | | | | | | | |
| | | | | | 37.7% | 12.4% | 8.8% | 7.6% | 6.3% | 5.8% | 5.8% | 6.1% | 5.9% | 3.7% | | | | | | | | | |
| 1996 | 9 | 27,662 | 3.48 | 3 | 10,438 | 3,347 | 2,582 | 2,124 | 1,973 | 1,889 | 2,025 | 1,989 | 1,295 | | | | | | | | | | |
| | | | | | 37.7% | 12.1% | 9.3% | 7.7% | 7.1% | 6.8% | 7.3% | 7.2% | 4.7% | | | | | | | | | | |
| 1995 | 8 | 29,778 | 3.15 | 2 | 12,336 | 3,480 | 2,719 | 2,470 | 2,186 | 2,360 | 2,429 | 1,798 | | | | | | | | | | | |
| | | | | | 41.4% | 11.7% | 9.1% | 8.3% | 7.3% | 7.9% | 8.2% | 6.0% | | | | | | | | | | | |
| 1994 | 7 | 31,301 | 3.07 | 2 | 11,527 | 4,266 | 3,451 | 3,023 | 3,152 | 3,316 | 2,566 | | | | | | | | | | | | |
| | | | | | 36.8% | 13.6% | 11.0% | 9.7% | 10.1% | 10.6% | 8.2% | | | | | | | | | | | | |
| 1993 | 6 | 31,726 | 2.84 | 2 | 11,397 | 4,884 | 3,978 | 3,901 | 4,145 | 3,421 | | | | | | | | | | | | | |
| | | | | | 35.9% | 15.4% | 12.5% | 12.3% | 13.1% | 10.8% | | | | | | | | | | | | | |
| 1992 | 5 | 34,673 | 2.46 | 2 | 13,867 | 5,723 | 5,142 | 5,275 | 4,666 | | | | | | | | | | | | | | |
| | | | | | 40.0% | 16.5% | 14.8% | 15.2% | 13.5% | | | | | | | | | | | | | | |
| 1991 | 4 | 35,245 | 2.15 | 2 | 14,545 | 7,244 | 6,986 | 6,470 | | | | | | | | | | | | | | | |
| | | | | | 41.3% | 20.6% | 19.8% | 18.4% | | | | | | | | | | | | | | | |
| 1990 | 3 | 35,175 | 1.78 | 2 | 16,689 | 9,657 | 8,829 | | | | | | | | | | | | | | | | |
| | | | | | 47.5% | 27.5% | 25.1% | | | | | | | | | | | | | | | | |
| 1989 | 2 | 31,466 | 1.42 | 1 | 18,206 | 13,260 | | | | | | | | | | | | | | | | | |
| | | | | | 57.9% | 42.1% | | | | | | | | | | | | | | | | | |
| 1988 | 1 | 30,734 | 1.00 | 1 | 30,734 | | | | | | | | | | | | | | | | | | |
| | | | | | 100.0% | | | | | | | | | | | | | | | | | | |

[1] Unique license holders as estimated by CFEC's identification number assignment.
[2] The number of years in which an identification number (unique license holder) appears, from 1988 through the license year indicated for the row.

Table 1 also shows the number of unique license holders in each year by their cumulative license longevity up to that point. The number of years in which each license holder has held a license is counted, from 1988 up to and including that year. For example, in 2006, 951 license holders held a commercial crew license for 5 years between 1988 and up to and including 2006. This reflects 5.5% of the license holders in 2006. Long-term license holders that have had a license in 10 or more years account for 19.6% of the license holders in 2006 (3,414 license holders) and short-term license holders, with just 1 or 2 years of longevity, account for 43.1% (7,495 license holders). There were 5,300 first time license holders in 2006, with a longevity of 1 year, which reflects just 30.5% of the 17,377 individuals.

The extent to which crewmembers appear to be long-term professionals or short-term workers is quite different when longevity is summarized for 2006 license holders as opposed to license holders over the entire 1988 through 2006 time period. In 2006, 19.6% of the license holders appear to be long-term professional crew, while in comparison only 4.0% of all the license holders between 1988 and 2006 have held licenses for 10 or more years during the time period (8,068 of 202,795 license holders). Less than half (43.1%) of license holders in 2006 appear to be short-term workers with a license in just 1 or 2 years (7,495 of 17,377 license holders) yet between 1988 and 2006 74.1% appear to be (150,242 of 202,795 license holders). The difference seen between longevities summarized over all years between 1988 and 2006 and for longevities summarized annually, and 2006 in particular, illustrates the difference in the two methods used to estimate license longevity. Later sections of this report will attempt to explain reasons for the differences in these longevity estimates.

### 4.3 Truncated License Longevities

Both methods for summarizing license longevity likely underestimate the number of years some crewmembers actually held licenses due to 2 reasons. Data for only a portion of the years in which crewmember licenses were required were available for analysis and the method used to identify unique individuals in the existing data was not perfect. Both reasons for truncated license longevities are examined in this section.

The statute (AS 16.05.480) and regulation (5 AAC 39.110) requiring a commercial crewmember license were promulgated in 1978 but only license data between 1988 and 2006 were analyzed for this report.[11] As such, there are 10 years prior to that time span for which a crewmember license was required but for which data were not included in this study. In addition, crewmember data for 2007 became available after this analysis was initiated so they are not included either. Crewmember license holders can therefore fall into one of 4 categories: they can have held crew licenses in years prior to 1988, so their longevity is truncated on the earlier end of the time series; or they held crew licenses in years following 2006, so their longevity is truncated on the latter end of the time series; or they held licenses before 1988 and after 2006 so their longevity is truncated on both ends of the time series; or they held licenses between 1988 and 2006 and did not hold a license outside that time frame suggesting their longevity is not truncated. The years of crewmember license history that have not been factored into these license longevity calculations may constitute a significant portion of some crewmembers' licensing history.

The combination of years in which license holders held licenses in the existing data were examined so as to make inferences about truncation because data beyond the 1988 to 2006 range are not available and it is not possible to determine how often or to what extent license longevities are truncated in this analysis. With 19 years of data, there are 524,287 possible combinations of license holdings.[12] These combinations will be referred to as license patterns and they reflect to the number and particular combination of years in which license holders held a commercial crewmember license. There exist 15,415 of these patterns within the data.[13] Some individuals held licenses in clustered or consecutive years while others held licenses in spread or non-consecutive years.

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[11] In years prior to 1978 crewmembers were required to obtain a commercial fishing license. While a commercial fishing license consitutes crewmember licensing, these years are not included in this discussion because the commercial fishing licenses were not specific to crewmembers. Crewmember license data between 1988 and 2006 are included in this discussion because these data were available from ADF&G when this analysis began.

[12] 524,287 reflects the sum of all possible combinations of license holdings with 19 years of license data. Mathematically, this is represented by ${}_{19}C_{19} + {}_{19}C_{18} + {}_{19}C_{17} + {}_{19}C_{16} + {}_{19}C_{15} + {}_{19}C_{14} + {}_{19}C_{13} + {}_{19}C_{12} + {}_{19}C_{11} + {}_{19}C_{10} + {}_{19}C_{9} + {}_{19}C_{8} + {}_{19}C_{7} + {}_{19}C_{6} + {}_{19}C_{5} + {}_{19}C_{4} + {}_{19}C_{3} + {}_{19}C_{2} + {}_{19}C_{1}$.

[13] Data are not collected about which fisheries, if any, the license holders actively work or participate in. License patterns are not intended to imply years in which license holders actively worked in a fishery, simply to indicate in which years a license was held.

Because 15,415 patterns cannot be displayed herein, Table 2 indicates the two most common license patterns for each length of license longevity. For example, 63 license holders held a license in each year between 1989 and 2006, and 26 held a license in each year between 1988 and 2006 with the exception of 1989. In either case, the license longevity was 18 years. In every case shown in the table but 3, the license patterns exhibit consecutive years.[14] Clustered or consecutive license patterns appear more prevalent overall than spread or non-consecutive combinations in the license pattern data.

Although consecutive or clustered license patterns are more common, there are individuals with non-consecutive license patterns. Some non-consecutive license patterns exist with large gaps of years between licenses and others with just 1 or 2 year spans without licenses. In general, the frequency of non-consecutive license patterns tends to decline the further apart the license years become. Table 3 contains several examples of license patterns where the license longevity is 2 years. As these examples illustrate, the number of license holders exhibiting the license pattern tends to decrease as the gap between years increases.

Although it seems more likely that there are individuals who held licenses towards either end of the time-period that have their license longevity truncated, because holding a license in consecutive years is common, license patterns in the existing data cannot rule out the possibility that some license holders who appear for the 'first' time in the middle years of the data may have also held licenses prior to 1988 or after 2006. The longevity of license holders with any license pattern may be truncated and not accurately reflect the length of time in which an individual has held a crewmember license. Because holding licenses in consecutive years is more common, however, it seems likely that there are more individuals towards either end of the time-period that have their license longevity truncated than those who only appear in the middle years of data. In addition, there are nearly twice as many license holders each year towards the beginning of the 1988 to 2006 time-span than in the latter years, and since more years of data can be truncated on that end of the time period, truncation may be a more significant problem for license holders in the earlier years of license data.

The largely automated process employed to identify unique individuals in the crewmember license data may also contribute to underestimates of actual license longevities. In some cases the automated process was unable to identify records as the same individual, so a unique person was assigned more than one identification number. Any year or years associated with different identification numbers for a unique individual could not be included in the longevity calculation. As a result, longevities may appear shorter in length than what they were in reality. Table 4 illustrates how the failure to identify multiple records as a single individual can truncate longevity. In this hypothetical example, all the records appear to be a single individual, but because of discrepancies and missing data in the SSN, first name, last name, and birth date fields, not all of the records can be identified with a single identification number using an automated process. For these 14 license records, 3 different identification numbers were assigned. The 3 identification numbers have longevities of 10 years, 1 year, and 1 year, whereas in reality this individual appears to have held a commercial crewmember license in 12 years. The mean longevities for these 2 situations are quite different: 4 years as opposed to 12 years. Failure to identify all records for a unique individual can reduce the longevity estimates for that individual and have an even greater impact on estimates of average longevity.

[14] When license longevity is 1 year, the license patterns cannot exhibit consecutive years since licenses were only held in 1 year. There were 26 license holders with 18 years of longevity that do not exhibit consecutive years of license holdings because licenses were not held in 1989, however 17 of the 18 years are consecutive.

**Table 2. Two Most Frequent License Patterns for Each Length of License Longevity**[1]

| License Longevity (in years)[2] | License Pattern[3] | No. of Unique License Holders[4] |
|---|---|---|
| 19 | 1988 -1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 108 |
| 18 | -1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 63 |
| 18 | 1988 - -1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 26 |
| 17 | - -1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 48 |
| 17 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004- - | 20 |
| 16 | - - -1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 26 |
| 16 | -1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004- - | 13 |
| 15 | - - - -1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 29 |
| 15 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002- - - - | 27 |
| 14 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001- - - - - | 35 |
| 14 | - - - - -1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 26 |
| 13 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000- - - - - - | 65 |
| 13 | - - - - - -1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 34 |
| 12 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999- - - - - - - | 74 |
| 12 | - - - - - - -1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 47 |
| 11 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998- - - - - - - - | 73 |
| 11 | - - - - - - - -1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 67 |
| 10 | 1988-1989-1990-1991-1992-1993-1994-1995-1996-1997- - - - - - - - - | 121 |
| 10 | - - - - - - - - - -1997-1998-1999-2000-2001-2002-2003-2004-2005-2006 | 83 |
| 9 | 1988-1989-1990-1991-1992-1993-1994-1995-1996- - - - - - - - - - | 119 |
| 9 | - - - - - - - - - -1998-1999-2000-2001-2002-2003-2004-2005-2006 | 118 |
| 8 | 1988-1989-1990-1991-1992-1993-1994-1995- - - - - - - - - - - | 188 |
| 8 | - - - - - - - - - - -1999-2000-2001-2002-2003-2004-2005-2006 | 101 |
| 7 | 1988-1989-1990-1991-1992-1993-1994- - - - - - - - - - - - | 253 |
| 7 | - - - - - - - - - - - -2000-2001-2002-2003-2004-2005-2006 | 144 |
| 6 | 1988-1989-1990-1991-1992-1993- - - - - - - - - - - - | 334 |
| 6 | - - - - - - - - - - - - -2001-2002-2003-2004-2005-2006 | 175 |
| 5 | 1988-1989-1990-1991-1992- - - - - - - - - - - - - | 506 |
| 5 | - - - - - - - - - - - - - -2002-2003-2004-2005-2006 | 260 |
| 4 | 1988-1989-1990-1991-1992- - - - - - - - - - - - - | 709 |
| 4 | - - - - - - - - - - - - - -2002-2003-2004-2005-2006 | 438 |
| 3 | 1988-1989-1990- - - - - - - - - - - - - - - | 948 |
| 3 | - - - - - - - - - - - - - - - -2004-2005-2006 | 766 |
| 2 | 1988-1989- - - - - - - - - - - - - - - - - | 1,948 |
| 2 | - - - - - - - - - - - - - - - - -2005-2006 | 1,341 |
| 1 | 1988- - - - - - - - - - - - - - - - - - | 11,026 |
| 1 | - -1990- - - - - - - - - - - - - - - - - | 9,501 |

[1] Because only one possible license pattern exists for 19 years of longevity, a second is not included in this table.
[2] License longevity refers to the number of years in which a license holder has held a commercial crewmember license between 1988 and 2006.
[3] License pattern refers to the number and particular combination of years in which license holders have held a commercial crewmember license. If a year appears in a pattern, then a license was held in that year. For example, the " - - - - - - - - - - - - - - - - - -2005-2006" pattern indicates licenses held in 2005 and 2006 but in no other year between 1988 and 2004.
[4] Unique license holders as estimated by identification number assignment.

**Table 3. Examples of Commercial Crewmember License Patterns and Number of Unique License Holders**[1]

| License Longevity (in years)[2] | License Pattern[3] | No. of Unique License Holders[4] |
|---|---|---|
| 2 | 1988-1989- - - - - - - - - - - - - - - - - - - - | 1,948 |
| 2 | 1988- -1990- - - - - - - - - - - - - - - - - - - | 645 |
| 2 | 1988- - -1991- - - - - - - - - - - - - - - - - - | 365 |
| 2 | 1988- - - -1992- - - - - - - - - - - - - - - - - | 193 |
| 2 | 1988- - - - -1993- - - - - - - - - - - - - - - - | 134 |
| 2 | 1988- - - - - -1994- - - - - - - - - - - - - - - | 119 |
| 2 | 1988- - - - - - -1995- - - - - - - - - - - - - - | 65 |
| 2 | 1988- - - - - - - -1996- - - - - - - - - - - - - | 55 |
| 2 | 1988- - - - - - - - -1997- - - - - - - - - - - - | 43 |
| 2 | 1988- - - - - - - - - -1998- - - - - - - - - - - | 41 |
| 2 | 1988- - - - - - - - - - -1999- - - - - - - - - - | 34 |
| 2 | 1988- - - - - - - - - - - -2000- - - - - - - - - | 25 |
| 2 | 1988- - - - - - - - - - - - -2001- - - - - - - - | 27 |
| 2 | 1988- - - - - - - - - - - - - -2002- - - - - - - | 25 |
| 2 | 1988- - - - - - - - - - - - - - -2003- - - - - - | 22 |
| 2 | 1988- - - - - - - - - - - - - - - -2004- - - - - | 25 |
| 2 | 1988- - - - - - - - - - - - - - - - -2005- - - - | 24 |
| 2 | 1988- - - - - - - - - - - - - - - - - -2006 | 20 |
| | | |
| 2 | - - - - - - - - - - - - - - - - - -2005-2006 | 1,341 |
| 2 | - - - - - - - - - - - - - - - - -2004- -2006 | 298 |
| 2 | - - - - - - - - - - - - - - - -2003- - -2006 | 134 |
| 2 | - - - - - - - - - - - - - - -2002- - - -2006 | 70 |
| 2 | - - - - - - - - - - - - - -2001- - - - -2006 | 42 |
| 2 | - - - - - - - - - - - - -2000- - - - - -2006 | 58 |
| 2 | - - - - - - - - - - - -1999- - - - - - -2006 | 58 |
| 2 | - - - - - - - - - - -1998- - - - - - - -2006 | 26 |
| 2 | - - - - - - - - - -1997- - - - - - - - -2006 | 28 |
| 2 | - - - - - - - - -1996- - - - - - - - - -2006 | 11 |
| 2 | - - - - - - - -1995- - - - - - - - - - -2006 | 11 |
| 2 | - - - - - - -1994- - - - - - - - - - - -2006 | 29 |
| 2 | - - - - - -1993- - - - - - - - - - - - -2006 | 17 |
| 2 | - - - -1992- - - - - - - - - - - - - -2006 | 9 |
| 2 | - - -1991- - - - - - - - - - - - - - -2006 | 18 |
| 2 | - -1990- - - - - - - - - - - - - - - -2006 | 14 |
| 2 | -1989- - - - - - - - - - - - - - - - -2006 | 11 |
| 2 | 1988- - - - - - - - - - - - - - - - - -2006 | 20 |

[1] 35 of the 15,415 license patterns seen in commercial crewmember license data between 1988 and 2006 are shown here.
[2] License longevity refers to the number of years in which a license holder has held a commercial crewmember license between 1988 and 2006.
[3] License pattern refers to the number and particular combination of years in which license holders have held a commercial crewmember license. If a year appears in a pattern, then a license was held in that year. For example, the " - - - - - - - - - - - - - - - - - -2005-2006" pattern indicates licenses held in 2005 and 2006 but in no other year between 1988 and 2006.
[4] Unique license holders as estimated by identification number assignment.

**Table 4. Example of Identification Number Assignment and Its Effect on License Longevity**

| Record | SSN[1] | First Name | Last Name | Birth Date | License Year | ID Number | Calculated Longevity | Possible Longevity |
|---|---|---|---|---|---|---|---|---|
| 1 | XX1-22-3333 | Jennifer | Doe | 05/12/1980 | 1990 | 10,001 | | |
| 2 | XX1-22-3333 | Jennifer | Doe | 05/12/1980 | 1991 | 10,001 | | |
| 3 | XX1-22-3333 | Jen | Doe | 05/12/1980 | 1992 | 10,001 | | |
| 4 | XX1-22-3333 | Jennifer | Poe | 05/12/1980 | 1993 | 10,001 | | |
| 5 | XX1-22-3333 | Jen | Doe | 05/12/1930 | 1994 | 10,001 | | |
| 6 | XX1-22-3333 | Jennifer | Doe | 01/01/1901 | 1995 | 10,001 | 10 years | |
| 7 | XX1-22-3333 | Jennifer | Doe | | 1996 | 10,001 | | 12 years |
| 8 | XX7-22-3333 | Jennifer | Doe | 05/12/1980 | 1997 | 10,001 | | |
| 9 | | Jennifer | Poe | 05/12/1980 | 1998 | 10,001 | | |
| 10 | XX1-33-2222 | Jen | Doe | 05/12/1930 | 1999 | 10,001 | | |
| 11 | XX1-22-3338 | Jenn | Doe | 12/05/1980 | 2000 | 50,002 | 1 year | |
| 12 | XX1-22-3333 | Jenn | Ooe | 05/12/1986 | 2001 | 50,003 | 1 year | |

[1] The first 2 numbers of the SSNs are masked with 'XX' so a real SSN is not used inadvertently in the example.

### 4.4 Influence of Earlier License Years on Longevity Summarized Over All Years

The previous section discussed how individual license longevities can be truncated and how either method for summarizing longevity underestimates the number of years crewmembers actually held licenses. Because there are fewer years of preceding data available upon which to base longevity values for license holders found in the earlier years of the data and there are a greater number of years prior to 1988 that cannot be included in an individual's license longevity as opposed to after 2006, truncation may have a more significant impact on license holders at the earlier end of the 1988 to 2006 time period. This section demonstrates the influence that license holders in the earlier years of the data appear to have when longevities are summarized for all license holders over the 1988 to 2006 time period.

The mean longevity value calculated for all license holders over the entire 1988 through 2006 time period (discussed in Section 4.1) and the mean longevity values which summarize the longevity of license holders in each year (discussed in Section 4.2) were compared. The mean longevity for license holders in 2006 was 5.20 years. In each year before 2006 the mean license longevity was shorter (see Table 1). This is not unexpected since each earlier year has one less year of data available from which to determine license longevity. The mean longevity in 1992 was 2.46 years. This mean value of 2.46 years for license holders in a single year is the closest to the mean for license holders in all years between 1988 and 2006 (2.43 years). However, the mean longevity for license holders in 1992 was based on only 5 years of data, as opposed to 19 years. Because the mean longevity for license holders over all 19 years of data is similar to the mean longevity of license holders in 1992, it suggests the mean longevity over all years is heavily influenced by license holders that appear in the earlier years of data and whose longevity is constrained by the relatively few years of data available in those earlier years. Calculating longevities for license holders in each year, rather than in all years, was an attempt to reduce the influence of the data constraints on longevity calculations.

The percentage of all the license holders between 1988 and 2006 by their license longevity were compared to the percentage of license holders in each year by their license longevity up to that year. Figure 1 illustrates this comparison. All the license holders between 1988 and 2006 are represented with the light yellow bars to the left or front of the graph. The bars represent the percentage of license holders by the number of years that they held a license between 1988 and 2006. The remaining series of bars represent the license holders in each individual year. In these cases, the bars represent the percentage of license holders in that year by the number of years that they held a license between 1988 and that year. To make the figure more manageable, longevity has been combined so as to create fewer bars for each year. In each year the individuals with 1 or 2 years of longevity make up the highest percentage of license holders for that year, then the percentage of license holders decreases as longevity increases. This same pattern is seen for all license holders across the 1988 to 2006 period.

While the pattern may be similar between the license holders in each year and the license holders across all years combined, a comparison of the percentage of license holders with 1 and 2 year license longevity is dramatic. Nineteen years of license data are included in the 1988 to 2006 combined category and individuals fall in all 9 of the license longevity categories shown in the figure. The 2004, 2005, and 2006 license data are the only annual summaries with enough years of data that individuals can be categorized in all 9 of the license longevity categories as well. The difference in the percentage of license holders with 1 and 2 years of longevity between the license holders over all years and the license holders in 2004, 2005, or 2006, is dramatic. Across all 19 years, 74.1% of the license holders have licenses in 1 or 2 years, whereas in 2004, 2005, and 2006, the percentage of 1 and 2 year license holders does not exceed 43.1%. The percentage of 1 and 2 year license holders across all 19 years of data is comparable to the percentage of 1 and 2 year license holders seen in 1990, a year for which there was only 3 years of available data (74.1 and 75.0%, respectively). This also suggests that the data across the entire 1988 through 2006 period is highly influenced by the license holders that appear in the earlier years of data and whose longevity is constrained by the relatively few years of preceding data available for those years.

### 4.5 Skewed Distribution of License Holders

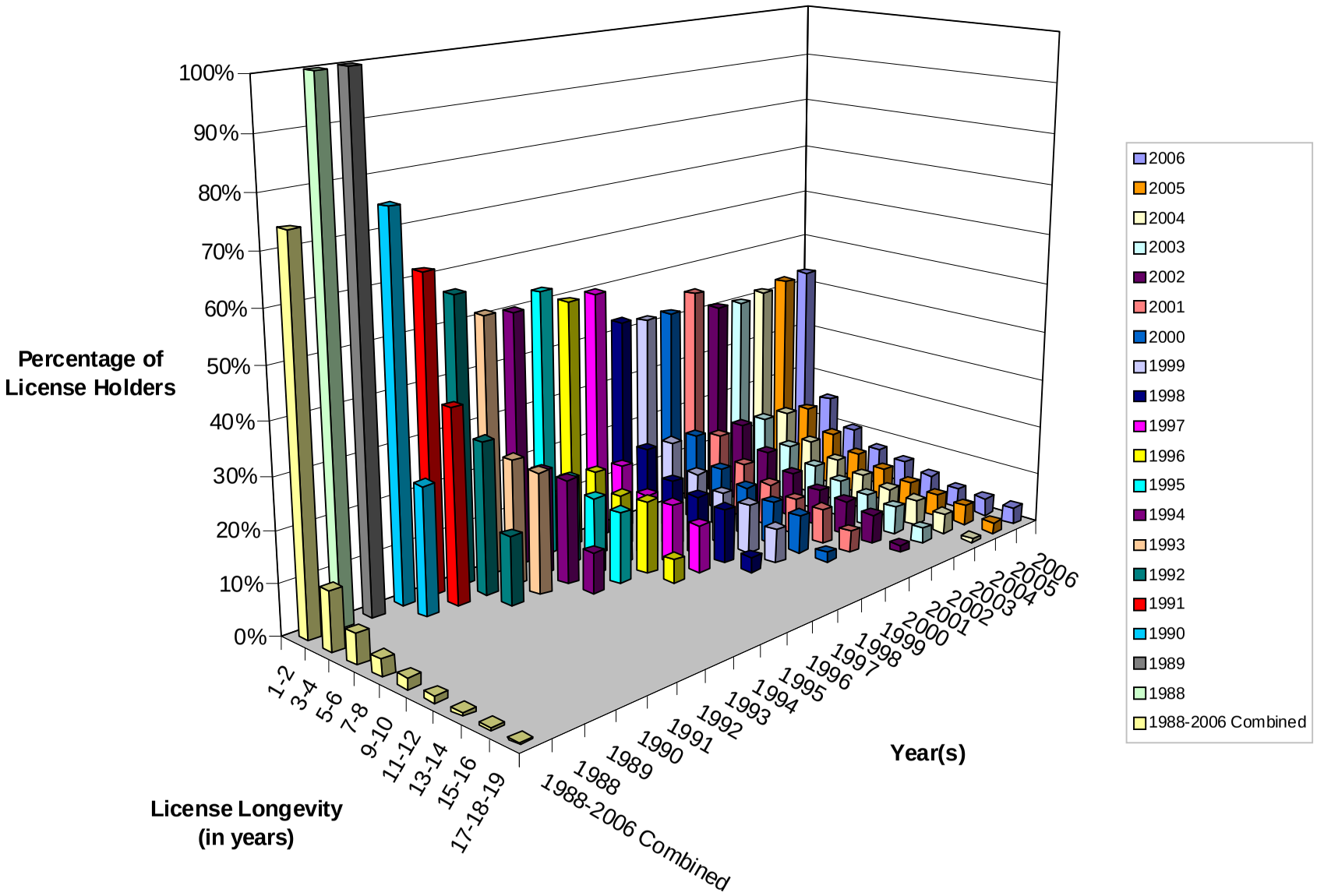
Either method used to summarize license longevity reflects a skewed distribution of license holders based on their longevity. Figure 1 clearly illustrates this skewed distribution. In nearly each year and when longevity is determined across all years of data, the distribution of license holders exhibits a positive or right sided skew.[15] Most of the distribution is found on the left side of the graph with fewer years of licenses, and a long tail extends to the right side with more years of licenses but fewer license holders. With a skewed distribution, the mean value may not be an appropriate measure of the central tendency of longevity. The median value may be more representative of the typical license holder. The median value indicates the number of years that a license was held by the license holder occupying the middle position if all license holders are ranked by the number of years in which they have held a license.

The median longevity was calculated for license holders in each year and is indicated in Table 1. The median longevity for license holders in 2006 was 3 years. Half of the license holders in 2006 have held a license in 3 years or fewer and the other half have held licenses in 3 years or more. The median value is 2.2 years shorter than the mean longevity value for 2006 license holders. In all years, the median longevity is less than the mean longevity, indicating a positively skewed distribution.[16]

In 2002, 2003, and 2004 the median number of years that individuals held licenses was 4. The median is likely higher in those years than in 2006 because there was a slightly lower percentage of 1 and 2 year license holders in those years. Recall, Figure 1 illustrates the percentage of license holders in each year by their license longevity. The slight decline in the percentage of 1 and 2 year license holders from 2006 to 2004, 2003, and 2002 can be seen. The figure also illustrates the general increase in the percentage of license holders with 1 and 2 years of licenses as you look further back in time from 2002. This increase culminates in 1988 and 1989 where 100% of the license holders have 1 or 2 years of license history. This situation exists because there is only 1 and 2 years of data available in those years, respectively.

[15] In Figure 1 license years 1988 and 1989 only have 1 license longevity category (1-2 years), so the distribution of license holders does not appear to be skewed.
[16] In 1988 the mean and median is 1 for both values since only 1 year of data are available.

**Figure 1. Percentage of Commercial Crewmember License Holders by Longevity**



## 5.0 Residency of License Holders

Residency is often the focus of commercial fishing discussions and data analysis. Residency is also of interest when examining commercial crewmember licenses. There are several classes of commercial crew licenses that can be purchased by a crewmember, including: resident, resident 7-day, resident child, nonresident, nonresident 7-day, nonresident child, child, and duplicate.[17,18] For this analysis, residency was defined for each license as either resident, nonresident, or unknown. The residency assignment was straight forward for each type of resident license and for each type of nonresident license because the license type indicates the residency. However, the residency of child and duplicate license holders is not so apparent.[19] Because the child license does not indicate residency in any way, an unknown residency was assigned for the purposes of this analysis.

When a duplicate license is purchased, the crewmember is supposed to indicate the type of the original license that is being replaced. Of the 18,945 duplicate licenses issued between 1988 and 2006, 12,460 did not indicate the type of the license being replaced (65.8%). Duplicate licenses that indicated one of the resident or nonresident license types as the type of license being replaced were assigned the residency of the original license; the remaining were assigned an unknown residency.

Some individuals obtained more than one license in a year (e.g., an original license and a duplicate license, or multiple 7-day licenses) and in some cases the licenses indicated different residency status. When more than one possible residency existed for an individual within a year, the residency from the license with the latest issue date was used. This was assumed to be the year-end residency of the license holder. If the year-end residency was classified as unknown then the latest resident or nonresident status was used for the purposes of this report instead. In many cases where the duplicate license holder did not indicate the type of license being replaced, the residency associated from the earlier license ended up being used. The existence of the unique identifier made it possible to locate these earlier licenses. There exist license holders in each year for which a residency status, other than unknown, could not be determined from license types, however.

Table 5 indicates the total number of unique license holders in each license year, and the number and percentage of those license holders that are nonresidents, residents, or have an unknown residency, based on the year-end class of license held. The overall number of unique license holders has dropped dramatically since the early 1990s, from a high in 1991 of 35,245 to a low in 2002 of 16,759. This reflects a 52.5% decrease in the number of license holders. In addition to the number of license holders changing, the composition of license holders has changed as well. In 1989, 63.4% of the license holders were residents and by 2001, only 53.0% were. While the overall number of license holders was dropping, the number of resident license holders dropped by a greater percentage than the number of nonresident license holders. Between 1989 and 2001, the number of resident license holders dropped 47.5% while the number of nonresident license holders only dropped 20.4%.[20] The following sections address license longevity for nonresident and resident license holders. Beyond the figures in Table 5, license holders and the longevity of license holders with unknown residency are not addressed in this report.

[17] Resident and nonresident licenses are valid for the entire year, resident and nonresident 7-day licenses were initially issued in 2005, resident and nonresident child licenses are intended for children 10 years of age or less and were initially issued in 2002, child licenses without a residency specification were intended for children 10 years of age or less and were only issued in 2000 and 2001, and duplicate licenses are intended to replace previously issued crew licenses that have been lost.

[18] Crewmembers that obtain one of the resident licenses (resident, resident child, and resident 7-day) are required to certify on the license that they meet the criteria set forth for residents. They must certify that they are physically present in Alaska with the intent to remain indefinitely and make a home here, have maintained their domicile in Alaska for the 12 consecutive months immediately preceding the application for the license, and is not claiming residency or obtaining benefits under a claim of residency in another state, territory, or country. A member of the military service or U.S. Coast Guard who has been stationed in Alaska for the 12 consecutive months immediately preceding the application for a license; or a dependent of a resident member of the military service or U.S. Coast Guard who has lived in Alaska for the 12 consecutive months immediately preceding the application for a license may obtain a resident license.

[19] Child licenses were only issued in 2000 and 2001. Crew license data contains some licenses with class codes that are blank or do not indicate a type of crew license. Holders of these licenses are all flagged with unknown residency for the purposes of this analysis.

[20] The number of resident license holders dropped from 19,942 to 10,476 while the number of nonresident license holders dropped from 11,185 to 8,902 between 1989 and 2001.

**Table 5. Residency of Commercial Crewmember License Holders, Based on Year-end License, 1988-2006**[1]

| License Year | Nonresident License Holders | | Resident License Holders | | License Holders with Unknown Residency | | Total Unique License Holders |
|---|---|---|---|---|---|---|---|
| 2006 | 7,853 | 45.2% | 9,508 | 54.7% | 16 | 0.1% | 17,377 |
| 2005 | 7,845 | 43.5% | 10,163 | 56.3% | 34 | 0.2% | 18,042 |
| 2004 | 7,917 | 44.1% | 10,013 | 55.8% | 25 | 0.1% | 17,955 |
| 2003 | 7,604 | 43.5% | 9,850 | 56.4% | 15 | 0.1% | 17,469 |
| 2002 | 7,255 | 43.3% | 9,465 | 56.5% | 39 | 0.2% | 16,759 |
| 2001 | 8,902 | 45.0% | 10,476 | 53.0% | 403 | 2.0% | 19,781 |
| 2000 | 10,274 | 44.1% | 12,615 | 54.1% | 416 | 1.8% | 23,305 |
| 1999 | 10,329 | 43.0% | 13,683 | 57.0% | 10 | 0.0% | 24,022 |
| 1998 | 10,760 | 44.6% | 13,329 | 55.2% | 38 | 0.2% | 24,127 |
| 1997 | 11,802 | 44.5% | 14,664 | 55.3% | 64 | 0.2% | 26,530 |
| 1996 | 11,910 | 43.1% | 15,637 | 56.5% | 115 | 0.4% | 27,662 |
| 1995 | 12,944 | 43.5% | 16,692 | 56.1% | 142 | 0.5% | 29,778 |
| 1994 | 13,014 | 41.6% | 18,002 | 57.5% | 285 | 0.9% | 31,301 |
| 1993 | 13,200 | 41.6% | 18,213 | 57.4% | 313 | 1.0% | 31,726 |
| 1992 | 14,548 | 42.0% | 19,866 | 57.3% | 259 | 0.7% | 34,673 |
| 1991 | 14,497 | 41.1% | 20,404 | 57.9% | 344 | 1.0% | 35,245 |
| 1990 | 13,857 | 39.4% | 21,027 | 59.8% | 291 | 0.8% | 35,175 |
| 1989 | 11,185 | 35.5% | 19,942 | 63.4% | 339 | 1.1% | 31,466 |
| 1988 | 10,383 | 33.8% | 19,380 | 63.1% | 971 | 3.2% | 30,734 |

[1] Residency is based on the class of license obtained: resident, nonresident, or unknown (if the residency cannot be determined from the type of license). When more than one possible residency exists for an individual within a year, the residency from the license with the latest issue date was used. This implies the year-end residency of the license holder. If the year-end residency is classified as unknown then the latest resident or nonresident status is used for the purposes of this report where possible.

### 5.1 License Longevity of Nonresidents in Each Year between 1988 and 2006

License longevity was summarized for nonresident license holders in each year.[21] Table 6 indicates the license year, the number of years of data leading up to and including that year, the number of unique license holders classified as nonresidents in that year, and the mean and median longevity between 1988 and 2006 of the nonresident license holders. In 2006, the year with the most years of data available, there were 7,853 unique nonresident license holders. They held commercial crew licenses for an average of 4.34 years between 1988 and 2006. This is 0.86 years less than the mean longevity for all commercial crew license holders in 2006.

Table 6 also indicates the frequency of nonresidents by license longevity in each year. In 2006, for example, 227 nonresident license holders held licenses for 8 years over the 1988 to 2006 time period. There were 1,187 nonresidents that held a license for at least 10 years (15.1% of nonresident license holders in 2006) and 3,168 individuals that held a license only in 2006 (40.3% of 2006 nonresident license holders).

The distribution of nonresident license holders by longevity is positively skewed. A bulk of the distribution occurs as license holders with fewer years of licenses and less of the distribution occurs as license holders with more years of licenses. This is expected since the distribution of license holders by longevity, irrespective of residency, is positively skewed. The median longevity is indicated for each year of license data in Table 6 because it may be a better indicator of the central tendency than the mean. In 2006, the median longevity for nonresident license holders was 2 years. This indicates that roughly half of the nonresident license holders in 2006 held a license in 2 or more years and half held the license in 2 or fewer years. In each year between 1993, where 6 years of data exists, and 2006, with 19 years of data, the median longevity is 2 years.

[21] If a license holder is identified as a nonresident in a particular license year, all years in which a license is held are included in the individual's longevity, irrespective of the person's residency status in any other year. For example, a nonresident license holder in 2006 with a license and resident status in 2005 and a license and an unknown status in 2004 is credited with 3 years of longevity as a nonresident in 2006.

**Table 6. Mean and Median License Longevity and the Number of Unique Nonresident Commercial Crewmember License Holders by License Longevity, by Year[1]**

| License Year | Available Years of License Data | No. of Unique License Holders[2] | Longevity (in years) | | Number of Nonresident License Holders by License Longevity[3] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | 1 Year | 2 Years | 3 Years | 4 Years | 5 Years | 6 Years | 7 Years | 8 Years | 9 Years | 10 Years | 11 Years | 12 Years | 13 Years | 14 Years | 15 Years | 16 Years | 17 Years | 18 Years | 19 Years |
| 2006 | 19 | 7,853 | 4.34 | 2 | 3,168 | 1,057 | 664 | 454 | 342 | 315 | 250 | 227 | 189 | 190 | 174 | 143 | 118 | 109 | 122 | 111 | 100 | 84 | 36 |
| | | | | | 40.3% | 13.5% | 8.5% | 5.8% | 4.4% | 4.0% | 3.2% | 2.9% | 2.4% | 2.4% | 2.2% | 1.8% | 1.5% | 1.4% | 1.6% | 1.4% | 1.3% | 1.1% | 0.5% |
| 2005 | 18 | 7,845 | 4.40 | 2 | 3,077 | 1,066 | 621 | 436 | 379 | 326 | 262 | 241 | 228 | 206 | 167 | 149 | 143 | 148 | 139 | 116 | 97 | 44 | |
| | | | | | 39.2% | 13.6% | 7.9% | 5.6% | 4.8% | 4.2% | 3.3% | 3.1% | 2.9% | 2.6% | 2.1% | 1.9% | 1.8% | 1.9% | 1.8% | 1.5% | 1.2% | 0.6% | |
| 2004 | 17 | 7,917 | 4.43 | 2 | 3,002 | 1,041 | 618 | 497 | 395 | 322 | 291 | 278 | 258 | 201 | 194 | 177 | 175 | 165 | 131 | 118 | 54 | | |
| | | | | | 37.9% | 13.2% | 7.8% | 6.3% | 5.0% | 4.1% | 3.7% | 3.5% | 3.3% | 2.5% | 2.5% | 2.2% | 2.2% | 2.1% | 1.7% | 1.5% | 0.7% | | |
| 2003 | 16 | 7,604 | 4.35 | 2 | 2,882 | 924 | 639 | 497 | 369 | 344 | 299 | 281 | 240 | 224 | 172 | 201 | 181 | 158 | 130 | 63 | | | |
| | | | | | 37.9% | 12.2% | 8.4% | 6.5% | 4.9% | 4.5% | 3.9% | 3.7% | 3.2% | 3.0% | 2.3% | 2.6% | 2.4% | 2.1% | 1.7% | 0.8% | | | |
| 2002 | 15 | 7,255 | 4.21 | 2 | 2,777 | 898 | 588 | 497 | 391 | 337 | 294 | 231 | 246 | 182 | 199 | 197 | 185 | 156 | 77 | | | | |
| | | | | | 38.3% | 12.4% | 8.1% | 6.9% | 5.4% | 4.7% | 4.1% | 3.2% | 3.4% | 2.5% | 2.7% | 2.7% | 2.6% | 2.2% | 1.1% | | | | |
| 2001 | 14 | 8,902 | 3.81 | 2 | 3,778 | 1,050 | 762 | 571 | 460 | 395 | 300 | 318 | 236 | 245 | 254 | 233 | 195 | 105 | | | | | |
| | | | | | 42.4% | 11.8% | 8.6% | 6.4% | 5.2% | 4.4% | 3.4% | 3.6% | 2.7% | 2.8% | 2.9% | 2.6% | 2.2% | 1.2% | | | | | |
| 2000 | 13 | 10,274 | 3.83 | 2 | 3,992 | 1,379 | 948 | 693 | 553 | 466 | 439 | 354 | 340 | 346 | 329 | 281 | 154 | | | | | | |
| | | | | | 38.9% | 13.4% | 9.2% | 6.8% | 5.4% | 4.5% | 4.3% | 3.5% | 3.3% | 3.4% | 3.2% | 2.7% | 1.5% | | | | | | |
| 1999 | 12 | 10,329 | 3.75 | 2 | 3,889 | 1,451 | 984 | 723 | 585 | 514 | 436 | 411 | 401 | 384 | 350 | 201 | | | | | | | |
| | | | | | 37.7% | 14.1% | 9.5% | 7.0% | 5.7% | 5.0% | 4.2% | 4.0% | 3.9% | 3.7% | 3.4% | 2.0% | | | | | | | |
| 1998 | 11 | 10,760 | 3.56 | 2 | 4,206 | 1,490 | 1,013 | 761 | 636 | 524 | 476 | 468 | 488 | 444 | 254 | | | | | | | | |
| | | | | | 39.1% | 13.9% | 9.4% | 7.1% | 5.9% | 4.9% | 4.4% | 4.4% | 4.5% | 4.1% | 2.4% | | | | | | | | |
| 1997 | 10 | 11,802 | 3.14 | 2 | 5,426 | 1,519 | 1,001 | 767 | 599 | 522 | 510 | 579 | 538 | 341 | | | | | | | | | |
| | | | | | 46.0% | 12.9% | 8.5% | 6.5% | 5.1% | 4.4% | 4.3% | 4.9% | 4.6% | 2.9% | | | | | | | | | |
| 1996 | 9 | 11,910 | 3.06 | 2 | 5,425 | 1,500 | 1,018 | 786 | 678 | 656 | 717 | 683 | 447 | | | | | | | | | | |
| | | | | | 45.6% | 12.6% | 8.6% | 6.6% | 5.7% | 5.5% | 6.0% | 5.7% | 3.8% | | | | | | | | | | |
| 1995 | 8 | 12,944 | 2.77 | 2 | 6,309 | 1,580 | 1,083 | 929 | 800 | 836 | 823 | 584 | | | | | | | | | | | |
| | | | | | 48.7% | 12.2% | 8.4% | 7.2% | 6.2% | 6.5% | 6.4% | 4.5% | | | | | | | | | | | |
| 1994 | 7 | 13,014 | 2.67 | 2 | 6,034 | 1,752 | 1,255 | 1,083 | 1,033 | 1,068 | 789 | | | | | | | | | | | | |
| | | | | | 46.4% | 13.5% | 9.6% | 8.3% | 7.9% | 8.2% | 6.1% | | | | | | | | | | | | |
| 1993 | 6 | 13,200 | 2.49 | 2 | 5,965 | 2,003 | 1,476 | 1,329 | 1,358 | 1,069 | | | | | | | | | | | | | |
| | | | | | 45.2% | 15.2% | 11.2% | 10.1% | 10.3% | 8.1% | | | | | | | | | | | | | |
| 1992 | 5 | 14,548 | 2.15 | 1 | 7,295 | 2,319 | 1,809 | 1,722 | 1,403 | | | | | | | | | | | | | | |
| | | | | | 50.1% | 15.9% | 12.4% | 11.8% | 9.6% | | | | | | | | | | | | | | |
| 1991 | 4 | 14,497 | 1.92 | 1 | 7,432 | 2,757 | 2,355 | 1,953 | | | | | | | | | | | | | | | |
| | | | | | 51.3% | 19.0% | 16.2% | 13.5% | | | | | | | | | | | | | | | |
| 1990 | 3 | 13,857 | 1.62 | 1 | 7,918 | 3,317 | 2,622 | | | | | | | | | | | | | | | | |
| | | | | | 57.1% | 23.9% | 18.9% | | | | | | | | | | | | | | | | |
| 1989 | 2 | 11,185 | 1.36 | 1 | 7,145 | 4,040 | | | | | | | | | | | | | | | | | |
| | | | | | 63.9% | 36.1% | | | | | | | | | | | | | | | | | |
| 1988 | 1 | 10,383 | 1.00 | 1 | 10,383 | | | | | | | | | | | | | | | | | | |
| | | | | | 100.0% | | | | | | | | | | | | | | | | | | |

[1] Residency is based on the type of crew license obtained. If more than one type of license is obtained by a unique individual within a year, residency is based on the last 'unknown' license issued within the year, if possible.
[2] Unique license holders as estimated by CFEC's identification number assignment.
[3] The number of years in which an identification number (unique license holder) appears, from 1988 through the license year indicated for the row.

The percentage of 1 and 2 year license holders is higher in each year for nonresidents than for the overall population of license holders (resident, nonresidents, and license holders with unknown residence). The annual medians and percentage of 1 and 2 year license holders suggests several possibilities: either nonresident license holders are more likely to be temporary workers in the fishing industry than residents, or after a brief time of holding commercial crew licenses as nonresidents they become residents and obtain resident licenses, or nonresidents tend to become CFEC permit holders following just a few years with a crewmember license.

Even though the median length of license longevity is only 1 or 2 years depending on the year, there are long-term nonresident license holders. Recall, that 1,187 nonresidents in 2006 have held crewmember licenses for at least 10 years. In addition, there are nonresident license holders in each year that have held a license in every year for which data are available. The annual license longevity frequencies show that the number and percentage of license holders with a license in all years of available data increases for each preceding year. For example, in 2006, 0.5% of the license holders have held licenses in all 19 years, in 2001, 1.2% of the license holders have had licenses in all of the 14 years of data available, and in 1996, 3.8% of the license holders have had licenses in all 9 years of the available data.

### 5.2 License Longevity of Alaska Residents in Each Year between 1988 and 2006

License longevity was summarized for resident license holders in each year.[22] Table 7 indicates the license year, the number of years of data leading up to and including that year, the number of unique license holders classified as residents in that year, and the mean and median longevity of resident license holders between 1988 and 2006. In 2006, the year with the most years of data available, there were 9,508 unique resident license holders. They held commercial crew licenses for an average of 5.92 years between 1988 and 2006. This is 1.58 years longer than the mean longevity for nonresident commercial crew license holders in 2006 and 0.72 years longer than for all license holders combined (resident, nonresident, and those with unknown residency).

Table 7 also indicates the frequency of residents by license longevity in each year. In 2006, 2,225 individuals held licenses for 10 or more years between 1988 and 2006. This represents 23.4% of the resident license holders in the year. More of the resident license holders are long-time license holders, or professional crew, than are nonresidents; only 15.2% of nonresidents in 2006 had at least a decade of longevity. In addition, fewer of the resident license holders are first-time participants than the nonresidents. In 2006, only 22.4% of resident license holders were first-time participants while 40.3% of nonresident license holders held a license only in 2006. In fact, a lower percentage of residents are first-time participants than nonresidents in each year.

The distribution of resident license holders by longevity is also positively skewed. A bulk of the distribution occurs as license holders with fewer years of licenses and less of the distribution occurs as license holders with more years of licenses. This is not surprising since the distribution of license holders by longevity, irrespective of residency, is positively skewed. The median longevity of resident license holders is indicated in Table 7. The highest annual median of 5 years was seen in 2003. In the 8 other years between 1998 and 2006, the median longevity was 4 years. These median values are double or more than double the median values seen for nonresidents in the corresponding years. The typical resident license holder is more likely to have longer license longevity than nonresident license holders.

The annual license longevity frequencies show that the number and percentage of resident license holders with a license in all years of available data increases for each preceding year. As with license holders overall and nonresident license holder, this suggests that resident license holders have held licenses in more years than what data are available for each year. As a result, longevity values underestimate the number of years resident license holders have held licenses, and the mean and median longevity values reflect this underestimate. In each year, the percentage of residents with a license in all years of available data is greater than the percentage of nonresidents in this situation. This might suggest that the underestimation of longevity for residents may be greater than for nonresidents. In so, the disparity in longevity for residents and nonresident might be even greater than seen here.

[22] If a license holder is identified as a resident in a particular license year, all years in which a license is held are included in the individual's longevity, despite residency status in any other year. For example, a resident license holder in 2006 with a license and nonresident status in 2005 and a license and an unknown status in 2004 is credited with 3 years of longevity as a resident in 2006.

**Table 7. Mean and Median License Longevity and the Number of Unique Resident Commercial Crewmember License Holders by License Longevity, by Year[1]**

| License Year | Available Years of License Data | No. of Unique License Holders[2] | Longevity (in years) | | Number of Resident License Holders by License Longevity[3] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean | Median | 1 Year | 2 Years | 3 Years | 4 Years | 5 Years | 6 Years | 7 Years | 8 Years | 9 Years | 10 Years | 11 Years | 12 Years | 13 Years | 14 Years | 15 Years | 16 Years | 17 Years | 18 Years | 19 Years |
| 2006 | 19 | 9,508 | 5.92 | 4 | 2,126 | 1,135 | 864 | 771 | 609 | 510 | 469 | 398 | 401 | 367 | 294 | 275 | 261 | 228 | 218 | 190 | 180 | 141 | 71 |
| | | | | | 22.4% | 11.9% | 9.1% | 8.1% | 6.4% | 5.4% | 4.9% | 4.2% | 4.2% | 3.9% | 3.1% | 2.9% | 2.8% | 2.4% | 2.3% | 2.0% | 1.9% | 1.5% | 0.8% |
| 2005 | 18 | 10,163 | 5.80 | 4 | 2,253 | 1,228 | 935 | 745 | 690 | 596 | 533 | 475 | 434 | 359 | 332 | 330 | 269 | 265 | 236 | 228 | 172 | 83 | |
| | | | | | 22.2% | 12.1% | 9.2% | 7.3% | 6.8% | 5.9% | 5.2% | 4.7% | 4.3% | 3.5% | 3.3% | 3.3% | 2.7% | 2.6% | 2.3% | 2.2% | 1.7% | 0.8% | |
| 2004 | 17 | 10,013 | 5.74 | 4 | 2,142 | 1,211 | 942 | 793 | 658 | 591 | 553 | 473 | 422 | 382 | 362 | 313 | 324 | 267 | 281 | 203 | 96 | | |
| | | | | | 21.4% | 12.1% | 9.4% | 7.9% | 6.6% | 5.9% | 5.5% | 4.7% | 4.2% | 3.8% | 3.6% | 3.1% | 3.2% | 2.7% | 2.8% | 2.0% | 1.0% | | |
| 2003 | 16 | 9,850 | 5.65 | 5 | 2,078 | 1,128 | 922 | 789 | 678 | 649 | 568 | 468 | 432 | 413 | 372 | 369 | 327 | 321 | 223 | 113 | | | |
| | | | | | 21.1% | 11.5% | 9.4% | 8.0% | 6.9% | 6.6% | 5.8% | 4.8% | 4.4% | 4.2% | 3.8% | 3.8% | 3.3% | 3.3% | 2.3% | 1.2% | | | |
| 2002 | 15 | 9,465 | 5.52 | 4 | 2,007 | 1,080 | 923 | 751 | 673 | 614 | 556 | 478 | 418 | 396 | 394 | 371 | 372 | 284 | 148 | | | | |
| | | | | | 21.2% | 11.4% | 9.8% | 7.9% | 7.1% | 6.5% | 5.9% | 5.1% | 4.4% | 4.2% | 4.2% | 3.9% | 3.9% | 3.0% | 1.6% | | | | |
| 2001 | 14 | 10,476 | 5.19 | 4 | 2,572 | 1,149 | 973 | 824 | 733 | 659 | 556 | 557 | 507 | 474 | 456 | 454 | 359 | 203 | | | | | |
| | | | | | 24.6% | 11.0% | 9.3% | 7.9% | 7.0% | 6.3% | 5.3% | 5.3% | 4.8% | 4.5% | 4.4% | 4.3% | 3.4% | 1.9% | | | | | |
| 2000 | 13 | 12,615 | 5.19 | 4 | 2,489 | 1,551 | 1,317 | 1,098 | 978 | 806 | 802 | 728 | 694 | 654 | 652 | 536 | 310 | | | | | | |
| | | | | | 19.7% | 12.3% | 10.4% | 8.7% | 7.8% | 6.4% | 6.4% | 5.8% | 5.5% | 5.2% | 5.2% | 4.3% | 2.5% | | | | | | |
| 1999 | 12 | 13,683 | 4.87 | 4 | 2,984 | 1,761 | 1,365 | 1,202 | 1,033 | 940 | 842 | 858 | 807 | 821 | 677 | 393 | | | | | | | |
| | | | | | 21.8% | 12.9% | 10.0% | 8.8% | 7.6% | 6.9% | 6.2% | 6.3% | 5.9% | 6.0% | 5.0% | 2.9% | | | | | | | |
| 1998 | 11 | 13,329 | 4.65 | 4 | 3,022 | 1,628 | 1,387 | 1,191 | 1,049 | 974 | 933 | 932 | 922 | 800 | 491 | | | | | | | | |
| | | | | | 22.7% | 12.2% | 10.4% | 8.9% | 7.9% | 7.3% | 7.0% | 7.0% | 6.9% | 6.0% | 3.7% | | | | | | | | |
| 1997 | 10 | 14,664 | 4.05 | 3 | 4,534 | 1,756 | 1,342 | 1,238 | 1,073 | 1,006 | 1,016 | 1,046 | 1,022 | 631 | | | | | | | | | |
| | | | | | 30.9% | 12.0% | 9.2% | 8.4% | 7.3% | 6.9% | 6.9% | 7.1% | 7.0% | 4.3% | | | | | | | | | |
| 1996 | 9 | 15,637 | 3.81 | 3 | 4,939 | 1,839 | 1,554 | 1,333 | 1,290 | 1,231 | 1,303 | 1,304 | 844 | | | | | | | | | | |
| | | | | | 31.6% | 11.8% | 9.9% | 8.5% | 8.3% | 7.9% | 8.3% | 8.3% | 5.4% | | | | | | | | | | |
| 1995 | 8 | 16,692 | 3.45 | 3 | 5,944 | 1,889 | 1,629 | 1,530 | 1,379 | 1,512 | 1,599 | 1,210 | | | | | | | | | | | |
| | | | | | 35.6% | 11.3% | 9.8% | 9.2% | 8.3% | 9.1% | 9.6% | 7.3% | | | | | | | | | | | |
| 1994 | 7 | 18,002 | 3.37 | 3 | 5,323 | 2,485 | 2,174 | 1,925 | 2,098 | 2,230 | 1,767 | | | | | | | | | | | | |
| | | | | | 29.6% | 13.8% | 12.1% | 10.7% | 11.7% | 12.4% | 9.8% | | | | | | | | | | | | |
| 1993 | 6 | 18,213 | 3.09 | 3 | 5,249 | 2,854 | 2,470 | 2,547 | 2,755 | 2,338 | | | | | | | | | | | | | |
| | | | | | 28.8% | 15.7% | 13.6% | 14.0% | 15.1% | 12.8% | | | | | | | | | | | | | |
| 1992 | 5 | 19,866 | 2.69 | 3 | 6,427 | 3,365 | 3,305 | 3,517 | 3,252 | | | | | | | | | | | | | | |
| | | | | | 32.4% | 16.9% | 16.6% | 17.7% | 16.4% | | | | | | | | | | | | | | |
| 1991 | 4 | 20,404 | 2.33 | 2 | 6,901 | 4,439 | 4,585 | 4,479 | | | | | | | | | | | | | | | |
| | | | | | 33.8% | 21.8% | 22.5% | 22.0% | | | | | | | | | | | | | | | |
| 1990 | 3 | 21,027 | 1.89 | 2 | 8,577 | 6,279 | 6,171 | | | | | | | | | | | | | | | | |
| | | | | | 40.8% | 29.9% | 29.4% | | | | | | | | | | | | | | | | |
| 1989 | 2 | 19,942 | 1.46 | 1 | 10,844 | 9,098 | | | | | | | | | | | | | | | | | |
| | | | | | 54.4% | 45.6% | | | | | | | | | | | | | | | | | |
| 1988 | 1 | 19,380 | 1.00 | 1 | 19,380 | | | | | | | | | | | | | | | | | | |
| | | | | | 100.0% | | | | | | | | | | | | | | | | | | |

[1] Residency is based on the type of crew license obtained. If more than one type of license is obtained by a unique individual within a year, residency is based on the last 'unknown' license issued within the year, if possible.
[2] Unique license holders as estimated by CFEC's identification number assignment.
[3] The number of years in which an identification number (unique license holder) appears, from 1988 through the license year indicated for the row.

## 6.0 Commercial Crewmember License Holders by Alaskan Community

Another topic of interest is the link between Alaskan communities and commercial crewmembers. Because there is no information collected about which fishery, if any, a crewmember participates in, it is not possible to tie the number of crewmember jobs or associated earnings to a community. It is simply possible to determine the number of crewmember license holders from each community and to track how those numbers have changed over time. This section addresses these issues.

With the purchase of a crewmember license, each license holder is supposed to indicate their permanent mailing address. This information was used to look at license holders by Alaskan community. In an initial round of data evaluation, some clean up was performed on the state field.[23] For this analysis, crewmember counts and license longevity were only determined for communities with Alaska as the state in the crewmember license data. There are some community names that likely do not indicate true Alaskan communities, but which were associated with the state of Alaska in the data, and are therefore included herein. All licenses in which the mailing address indicates a state other than Alaska are consolidated as non-Alaskan communities. Considerable variety existed in the spelling of community names found with Alaska as the mailing address. Some clean-up was performed to standardize spelling.[24] It is possible that some of the spelling errors were convoluted enough that the true community and spelling could not be determined. Therefore, some license holders are not consolidated by community as they possibly should be.

Some license holders obtained more than one license within a year, and in some cases they have indicated different states or cities as their permanent mailing address. When more than one permanent address existed for an individual within a year, the community and state from the license with the latest issue date was used. This address of the license holder was assumed to be the year-end mailing address.

### 6.1 License Holder Counts by Alaskan Community

Appendix A indicates the number of crewmember license holders by Alaskan community between 1988 and 2006 based on the year-end permanent mailing address of license holders. There are communities that have license holders in each year, but also communities that have license holders in only one or a fraction of the years examined. The appendix allows a comparison of license holders between Alaskan communities and also enables a comparison of license holders within a community over time.

When comparing the number of license holders between Alaskan communities, Anchorage and Kodiak clearly have the most commercial crewmember license holders between 1988 and 2006. In fact, these two communities account for the 19 highest counts of crew license holders for a single year in a single community. As a matter of fact, these communities have more license holders in a single year, than most Alaska communities do over the entire time period between 1988 and 2006. Table 8 looks at the 20 Alaskan communities that have the highest cumulative number of license holders over the 19 year period examined in this report and identifies the number of license holders in each year that have indicated those communities as their permanent mailing address.[25] These 20 communities account for roughly 60% of the license holders that indicate an Alaskan community as their permanent mailing address. The remaining license holders that indicate Alaskan communities represent 329 other communities. This suggests that the Alaskan crewmember workforce that obtains crew licenses, rather than using a CFEC permit card, is concentrated in relatively few Alaskan communities.

[23] If the city indicated on a crewmember license was Anacortes, Bellingham, Beremertion (presumably Bremerton), Tukwilla, Tukwla (presumably Tukwilla), Port Townsend, Port Orchard, or Seattle, and the state indicated was 'AK' then the state field was corrected to 'WA.' If the city was Pebble Beach, Chico, or Daly City and the state was 'AK' then the state field was corrected to 'CA.' If the city indicated on a license was Astoria and the state indicated was 'AK' then the state field was corrected to 'OR.' Although other non-Alaskan cities may have been associated with 'AK' on the license application, the state field was not modified in the license data for licenses with any other cities.

[24] The spelling of Alaskan community names were standardized in the data. For example, the community of Aleknagik was spelled several different ways, including: Alaknagik, Alegnagik, Aleknegik, Alekngik, Alenagik, and Aliknagik. The data for each license with these spellings were standardized to Aleknagik to allow more accurate aggregations by community.

[25] A license holder is counted for each year in which they have indicated an Alaskan community as their permanent mailing address. For example, a license holder who indicated Anchorage as their permanent mailing address in all 19 years, account for 19 of the 27,196 license holders in the cumulative total for Anchorage.

Although the license holders that indicate Alaskan communities as their permanent mailing address account for a majority of license holders, the percentage has been declining since 1988. In 1988, 67.8% of license holders indicated an Alaskan community as their permanent mailing address. In 2006, that percentage was only 56.6%. Not only is the number of licenses being issued declining, but the percentage of those that are issued that are held by individuals that live in Alaska is decreasing. As you will recall, this change in the composition of license holders is also seen when examining license holders by the residency of the license purchased, as discussed earlier in this report. Some possible reasons for the change in composition are similar: fewer individuals with an Alaskan address may be obtaining commercial crewmember licenses; more individuals with Alaskan addresses may be obtaining CFEC interim-use permit cards and using those to participate as crewmembers; or individuals who normally obtain commercial crew licenses may be migrating from Alaska, still participating as crewmembers, but indicating non-Alaskan addresses on the license application. There are difficulties with some of these suggestions as the number of non-Alaskan license holders and the number of CFEC permit holders have declined since 1988.

In addition to a comparison of license holders between communities, Appendix A allows a comparison of license holders within a community over time. In general, the number of license holders by community has decreased over time. This is not surprising since the overall trend in the number of license holders has decreased. Anchorage had a 63.2% decrease in the number of license holders between 1990 and 2002. Over that same time period, Kodiak saw a 58.4% decrease in the number of license holders. The number of license holders in Kodiak has decreased an additional 4.0% between 2002 and 2006. There are some communities which indicate an exception to the trend of decreasing license holders, however. For example, the numbers of license holders who indicate Togiak as their permanent mailing address have increased from 74 in 1988 to 139 in 2006. The number of license holders who list Shaktoolik as their permanent mailing address has remained fairly steady over the 19 year period examined here. In 1988 there were 45 and in 2006 44.

CFEC has posted crewmember counts from the ADF&G data on its website by community and census area for license years 2000 through 2006, excluding 2001.[26] The counts by community found herein vary from the numbers posted on the CFEC website. There are several reasons that account for the differences. The numbers posted on the CFEC website and in this report both reflect a snapshot of the license data obtained from ADF&G Division of Administrative Services. The snapshots were taken at different times, however. License vendors are supposed to submit license sale information in the month following the sale, but for various reasons, some vendors send in prior year's licenses for up to several years.[27] These late entries, and any changes, updates, or corrections made to the license data that occurred between the snapshots will be reflected in the counts of this analysis but not on the CFEC website.

Aside from differences in the data obtained from ADF&G, differences in community counts may reflect how data were handled by CFEC. The differences in handling include: slightly different data clean-up procedures for the web reports and this analysis; the web site does not count individuals that are found in both CFEC permit data and crew data in the same year based on social security number, so as to avoid double counting; and individuals that do not provide a social security number on the crewmember license application are excluded from the web report altogether but are included in this analysis. As a result of theses differences, the crewmember counts by community tend to be the same or lower on the CFEC website than the counts by community presented in this report.

[26] These crewmember counts can be found on CFEC's website on the Fishery Statistics – Permits and Permit Holders page at: http://www.cfec.state.ak.us/fishery_statistics/permits.htm under the heading 'Permit Holder & Crew Member Counts by Census Area & City of Residence.' Data are not posted for 2001 due to problems with the data (a high percentage of licenses do not indicate a social security number).

[27] Wright, Kristin. 2007. Personal communication. Alaska Department of Fish and Game; P.O. Box 115526, Juneau, AK 99811-5526.

**Table 8. Comparison of Annual License Holder Counts for 20 Alaskan Communities, Remaining Alaskan Communities, and Non-Alaskan Communities, by Year**

| Community or Summary | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | Cumulative Lic. Holders |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 Alaskan Communities: | | | | | | | | | | | | | | | | | | | | |
| Anchorage | 897 | 919 | 892 | 909 | 810 | 993 | 1,168 | 1,139 | 1,057 | 1,322 | 1,449 | 1,598 | 1,697 | 1,842 | 2,139 | 2,131 | 2,199 | 1,960 | 2,075 | 27,196 |
| Kodiak | 796 | 797 | 817 | 833 | 880 | 1,047 | 1,141 | 1,136 | 1,046 | 1,240 | 1,319 | 1,448 | 1,691 | 1,728 | 1,879 | 1,983 | 2,115 | 1,739 | 1,703 | 25,338 |
| Homer | 557 | 582 | 591 | 551 | 551 | 657 | 728 | 755 | 693 | 772 | 817 | 895 | 1,041 | 1,025 | 1,110 | 1,150 | 1,287 | 1,235 | 1,139 | 16,136 |
| Sitka | 566 | 571 | 580 | 510 | 506 | 624 | 624 | 618 | 647 | 701 | 722 | 788 | 940 | 858 | 917 | 970 | 943 | 940 | 938 | 13,963 |
| Petersburg | 460 | 472 | 424 | 404 | 445 | 459 | 496 | 543 | 507 | 559 | 610 | 588 | 655 | 645 | 663 | 675 | 683 | 614 | 516 | 10,418 |
| Ketchikan | 278 | 275 | 289 | 313 | 347 | 385 | 407 | 427 | 447 | 485 | 534 | 532 | 657 | 662 | 697 | 769 | 753 | 774 | 743 | 9,774 |
| Juneau | 337 | 316 | 352 | 314 | 294 | 373 | 380 | 378 | 398 | 455 | 417 | 461 | 682 | 712 | 752 | 764 | 719 | 772 | 803 | 9,679 |
| Cordova | 300 | 287 | 293 | 338 | 326 | 395 | 394 | 380 | 365 | 415 | 358 | 471 | 521 | 515 | 670 | 682 | 750 | 589 | 607 | 8,656 |
| Dillingham | 283 | 328 | 319 | 320 | 279 | 386 | 465 | 469 | 403 | 472 | 457 | 465 | 491 | 508 | 502 | 494 | 491 | 464 | 518 | 8,114 |
| Kenai | 265 | 339 | 335 | 268 | 245 | 241 | 264 | 296 | 295 | 350 | 381 | 403 | 467 | 431 | 518 | 511 | 592 | 560 | 630 | 7,391 |
| Bethel | 102 | 118 | 105 | 94 | 90 | 133 | 199 | 229 | 276 | 260 | 300 | 412 | 582 | 528 | 597 | 658 | 626 | 706 | 683 | 6,698 |
| Soldotna | 176 | 229 | 235 | 207 | 168 | 235 | 249 | 269 | 266 | 330 | 354 | 346 | 372 | 418 | 479 | 425 | 526 | 526 | 520 | 6,330 |
| Wrangell | 197 | 195 | 185 | 176 | 186 | 201 | 222 | 245 | 244 | 258 | 270 | 282 | 283 | 278 | 267 | 338 | 309 | 349 | 296 | 4,781 |
| Seward | 129 | 116 | 113 | 111 | 115 | 144 | 188 | 172 | 183 | 214 | 209 | 220 | 263 | 275 | 392 | 362 | 391 | 272 | 368 | 4,237 |
| Wasilla | 182 | 175 | 180 | 154 | 128 | 167 | 192 | 192 | 206 | 217 | 199 | 228 | 246 | 250 | 275 | 300 | 314 | 226 | 279 | 4,110 |
| Sand Point | 130 | 130 | 126 | 133 | 144 | 175 | 195 | 200 | 199 | 172 | 181 | 209 | 240 | 223 | 233 | 250 | 228 | 246 | 134 | 3,548 |
| Dutch Harbor | 117 | 109 | 105 | 123 | 105 | 113 | 119 | 141 | 135 | 154 | 172 | 178 | 222 | 207 | 263 | 339 | 322 | 280 | 93 | 3,297 |
| Haines | 92 | 93 | 99 | 87 | 127 | 141 | 151 | 147 | 143 | 151 | 143 | 148 | 207 | 203 | 228 | 237 | 238 | 224 | 215 | 3,074 |
| Craig | 135 | 130 | 130 | 115 | 121 | 136 | 146 | 155 | 135 | 126 | 146 | 122 | 186 | 174 | 192 | 242 | 214 | 176 | 169 | 2,950 |
| King Cove | 128 | 126 | 126 | 126 | 119 | 143 | 173 | 161 | 168 | 158 | 183 | 192 | 189 | 192 | 175 | 181 | 160 | 140 | 95 | 2,935 |
| Subtotal: | 6,127 | 6,307 | 6,296 | 6,086 | 5,986 | 7,148 | 7,901 | 8,052 | 7,813 | 8,811 | 9,221 | 9,986 | 11,632 | 11,674 | 12,948 | 13,461 | 13,860 | 12,792 | 12,524 | 178,625 |
| % of Alaskan | 62.3% | 60.0% | 60.9% | 60.0% | 61.5% | 63.6% | 58.6% | 56.7% | 57.3% | 57.5% | 56.3% | 57.1% | 61.4% | 60.9% | 61.9% | 62.4% | 62.6% | 60.9% | 60.1% | 60.2% |
| % Overall | 35.3% | 35.0% | 35.1% | 34.8% | 35.7% | 36.1% | 33.9% | 33.5% | 32.4% | 33.2% | 33.3% | 33.5% | 37.2% | 36.8% | 37.3% | 38.2% | 39.4% | 40.7% | 40.7% | 36.2% |
| Other Alaskan Communities: | | | | | | | | | | | | | | | | | | | | |
| Subtotal: | 3,704 | 4,208 | 4,047 | 4,052 | 3,751 | 4,094 | 5,573 | 6,150 | 5,817 | 6,506 | 7,146 | 7,506 | 7,324 | 7,507 | 7,964 | 8,103 | 8,293 | 8,224 | 8,315 | 118,284 |
| % of Alaskan | 37.7% | 40.0% | 39.1% | 40.0% | 38.5% | 36.4% | 41.4% | 43.3% | 42.7% | 42.5% | 43.7% | 42.9% | 38.6% | 39.1% | 38.1% | 37.6% | 37.4% | 39.1% | 39.9% | 39.8% |
| % Overall | 21.3% | 23.3% | 22.5% | 23.2% | 22.4% | 20.7% | 23.9% | 25.6% | 24.1% | 24.5% | 25.8% | 25.2% | 23.4% | 23.7% | 23.0% | 23.0% | 23.6% | 26.1% | 27.1% | 24.0% |
| All Alaskan Communities: | | | | | | | | | | | | | | | | | | | | |
| Subtotal: | 9,831 | 10,515 | 10,343 | 10,138 | 9,737 | 11,242 | 13,474 | 14,202 | 13,630 | 15,317 | 16,367 | 17,492 | 18,956 | 19,181 | 20,912 | 21,564 | 22,153 | 21,016 | 20,839 | 296,909 |
| % Overall | 56.6% | 58.3% | 57.6% | 58.0% | 58.1% | 56.8% | 57.8% | 59.1% | 56.5% | 57.7% | 59.2% | 58.7% | 60.6% | 60.5% | 60.3% | 61.2% | 63.0% | 66.8% | 67.8% | 60.2% |
| Non-Alaskan Communities: | | | | | | | | | | | | | | | | | | | | |
| Subtotal: | 7,546 | 7,527 | 7,612 | 7,331 | 7,022 | 8,539 | 9,831 | 9,820 | 10,497 | 11,213 | 11,295 | 12,286 | 12,345 | 12,545 | 13,761 | 13,681 | 13,022 | 10,450 | 9,895 | 196,218 |
| % Overall | 43.4% | 41.7% | 42.4% | 42.0% | 41.9% | 43.2% | 42.2% | 40.9% | 43.5% | 42.3% | 40.8% | 41.3% | 39.4% | 39.5% | 39.7% | 38.8% | 37.0% | 33.2% | 32.2% | 39.8% |
| Overall: | | | | | | | | | | | | | | | | | | | | |
| Total: | 17,377 | 18,042 | 17,955 | 17,469 | 16,759 | 19,781 | 23,305 | 24,022 | 24,127 | 26,530 | 27,662 | 29,778 | 31,301 | 31,726 | 34,673 | 35,245 | 35,175 | 31,466 | 30,734 | 493,127 |

### 6.2 Relative Importance of Crewmember License Holders to Alaskan Communities

Because the sizes of Alaskan communities vary so dramatically, the number of license holders from each community may not indicate the significance of crewmember licenses within each community. For example, the 2000 census indicates Anchorage had a population of 260,283 while Chignik Lagoon only had a population of 103. It is not surprising then that significantly more license holders indicate Anchorage as their permanent mailing address than Chignik Lagoon. However, those crewmember jobs may be more critical, or make up a larger percentage of the economy in Chignik Lagoon than in Anchorage. The numbers of crewmember license holders were compared to the population of Alaskan communities to determine the percentage of a community's population that held commercial crewmember licenses each year. Since no earnings or true participation information is collected about crewmembers, this was used to estimate the importance of potential crewmember jobs to a community. Appendix A indicates the percentage of a community's population that held a commercial crewmember license in each year between 1990 and 2006.[28]

A ratio was calculated of the cumulative number of license holders in each community between 1990 and 2006 to the cumulative population for each community in those years. This per capita ratio of license holders was calculated for each Alaskan community. The 20 Alaskan communities with the highest per capita ratio of crewmember license holders to overall population are indicated in Table 9. Table 9 also indicates the percentage of the community's population that held a commercial crewmember license in each year between 1990 and 2006.

Over the 1990 to 2006 time period, Chignik Lagoon had the highest ratio of crewmember license holders to overall population for Alaskan communities. Although the absolute number of licenses in Chignik Lagoon is fairly small, never more than 62 in a year, crewmember jobs appear to be fairly important to the community. The percent of the population with a crewmember license ranged from 29.1% to as high as 103.8% in a year. Each of the other communities in this top 20 list has a fairly small population, but crewmember license holders appear to account for a significant portion of their population. Over the 1990 to 2006 time period, between 22.6 and 63.1 percent of the population in each community on this list has held a commercial crewmember license.

The 5 communities with the highest cumulative number of license holders between 1988 and 2006 from Table 8 are also shown in Table 9 as communities of interest. The per capita ratios of these communities are lower, particularly Anchorage with a ratio of 0.006. At no time between 1990 and 2006 do the crewmember license holders in Anchorage make up more than 1% of the city's population despite the relatively large number of license holders. This suggests that potential crewmember jobs may not be nearly as vital to Anchorage as they are to the other communities in this table. Kodiak and Homer both have a large cumulative number of license holders between 1988 and 2006 but also have a relatively high per capita ratio. Between 1990 and 2006 over a fifth of the population of these communities has held commercial crewmember licenses.

### 6.3 Crewmember License Longevity by Alaskan Community

The previous section examines the relative abundance or importance of crewmember license holders in a community by comparing the number of license holders to the population of each community. This section examines the license longevity of license holders in each community. It is believed that long-term "professional" crewmembers are more dependent upon fisheries for their livelihood than short-term "transient" workers. The longevity of license holders, by community, is used to estimate the dependence of a community's license holders on fisheries for their livelihood.

[28] License counts for 1990 through 1999 were compared to population estimates in the 1990 census and license counts for 2000 through 2006 were compared to the 2000 census. The license counts in 1988 and 1989 were not compared to any population data, so the percent of the population is not indicated. Not all communities listed in Appendix A were found in the 1990 and/or 2000 census data. When this is the case, no percentage of the population is indicated.

**Table 9. Percent of Community Population with a Commercial Crewmember License, by Year, and Per Capita Ratio of License Holders in a Community, 1990 to 2006**

| Top 20 Communities by Per Capita Ratio | 2000 Census Pop. | 1990 Census Pop. | Percent of Community Population with a Commercial Crewmember License, By Year[1] | | | | | | | | | | | | | | | | Per Capita Ratio[2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | |
| Chignik Lagoon | 103 | 53 | 34.0% | 35.9% | 29.1% | 50.5% | 50.5% | 60.2% | 50.5% | 84.9% | 103.8% | 92.5% | 73.6% | 94.3% | 101.9% | 103.8% | 66.0% | 75.5% | 90.6% | 0.631 |
| Iliamna | 102 | 94 | 17.6% | 20.6% | 23.5% | 27.5% | 21.6% | 34.3% | 43.1% | 70.2% | 45.7% | 56.4% | 63.8% | 68.1% | 98.9% | 91.5% | 98.9% | 93.6% | 97.9% | 0.562 |
| Point Baker | 35 | 39 | 37.1% | 31.4% | 54.3% | 62.9% | 40.0% | 45.7% | 51.4% | 59.0% | 66.7% | 53.8% | 41.0% | 56.4% | 66.7% | 84.6% | 59.0% | 59.0% | 79.5% | 0.562 |
| Elfin Cove | 32 | 57 | 40.6% | 40.6% | 59.4% | 31.3% | 34.4% | 50.0% | 56.3% | 35.1% | 28.1% | 33.3% | 38.6% | 33.3% | 45.6% | 49.1% | 45.6% | 50.9% | 45.6% | 0.417 |
| Pilot Point | 100 | 53 | 21.0% | 21.0% | 19.0% | 28.0% | 27.0% | 30.0% | 32.0% | 75.5% | 58.5% | 50.9% | 64.2% | 66.0% | 52.8% | 52.8% | 64.2% | 56.6% | 54.7% | 0.402 |
| Egegik | 116 | 122 | 25.0% | 30.2% | 25.9% | 28.4% | 26.7% | 31.9% | 38.8% | 39.3% | 41.0% | 34.4% | 32.8% | 37.7% | 45.1% | 45.1% | 51.6% | 41.0% | 45.9% | 0.367 |
| Kasilof | 471 | 383 | 23.1% | 21.9% | 25.7% | 23.6% | 19.5% | 22.3% | 30.1% | 36.3% | 39.9% | 39.9% | 40.2% | 46.7% | 52.2% | 54.6% | 35.2% | 42.6% | 50.9% | 0.346 |
| Clarks Point | 75 | 60 | 18.7% | 25.3% | 18.7% | 24.0% | 28.0% | 38.7% | 40.0% | 45.0% | 53.3% | 43.3% | 35.0% | 36.7% | 28.3% | 40.0% | 40.0% | 31.7% | 50.0% | 0.344 |
| Chignik | 79 | 188 | 34.2% | 19.0% | 25.3% | 31.6% | 11.4% | 63.3% | 44.3% | 24.5% | 17.6% | 26.6% | 29.8% | 37.2% | 33.0% | 32.4% | 33.5% | 35.6% | 41.0% | 0.315 |
| Port Alexander | 81 | 119 | 27.2% | 25.9% | 29.6% | 19.8% | 24.7% | 24.7% | 32.1% | 22.7% | 18.5% | 19.3% | 28.6% | 30.3% | 38.7% | 36.1% | 43.7% | 44.5% | 44.5% | 0.306 |
| South Naknek | 137 | 136 | 20.4% | 18.2% | 25.5% | 29.9% | 29.9% | 11.7% | 25.5% | 41.2% | 29.4% | 39.7% | 34.6% | 32.4% | 29.4% | 37.5% | 40.4% | 33.1% | 41.2% | 0.306 |
| Ugashik | 11 | 7 | 45.5% | 90.9% | 54.5% | 9.1% | 9.1% | 9.1% | 27.3% | 14.3% | 14.3% | 14.3% | 100.0% | 42.9% | 14.3% | 0.0% | 14.3% | 0.0% | 14.3% | 0.293 |
| Larsen Bay | 115 | 147 | 11.3% | 20.9% | 20.0% | 19.1% | 14.8% | 26.1% | 24.3% | 20.4% | 27.9% | 30.6% | 34.0% | 29.9% | 38.1% | 37.4% | 34.7% | 36.7% | 39.5% | 0.282 |
| False Pass | 64 | 68 | 7.8% | 7.8% | 18.8% | 18.8% | 23.4% | 18.8% | 20.3% | 33.8% | 36.8% | 33.8% | 32.4% | 35.3% | 38.2% | 27.9% | 39.7% | 32.4% | 36.8% | 0.275 |
| King Cove | 792 | 451 | 16.2% | 15.9% | 15.9% | 15.9% | 15.0% | 18.1% | 21.8% | 35.7% | 37.3% | 35.0% | 40.6% | 42.6% | 41.9% | 42.6% | 38.8% | 40.1% | 35.5% | 0.269 |
| Perryville | 107 | 108 | 17.8% | 27.1% | 24.3% | 25.2% | 16.8% | 29.0% | 26.2% | 28.7% | 22.2% | 33.3% | 28.7% | 29.6% | 32.4% | 26.9% | 25.9% | 25.9% | 27.8% | 0.264 |
| Old Harbor | 237 | 284 | 17.7% | 19.0% | 19.8% | 21.1% | 18.1% | 21.5% | 24.1% | 22.5% | 15.8% | 23.6% | 29.9% | 30.3% | 32.0% | 34.9% | 34.2% | 33.8% | 34.2% | 0.258 |
| Pelican | 163 | 222 | 16.0% | 17.2% | 19.6% | 12.9% | 14.1% | 19.0% | 15.3% | 20.3% | 18.0% | 23.0% | 19.8% | 25.2% | 29.3% | 35.6% | 41.4% | 43.7% | 40.1% | 0.251 |
| Saint Marys | 500 | 441 | 15.6% | 17.6% | 19.2% | 19.2% | 17.4% | 0.4% | 18.4% | 26.5% | 22.2% | 25.6% | 23.6% | 24.0% | 28.1% | 28.8% | 37.4% | 35.8% | 32.0% | 0.227 |
| Chignik Lake | 145 | 133 | 12.4% | 21.4% | 6.2% | 13.1% | 17.2% | 25.5% | 26.2% | 12.8% | 21.8% | 29.3% | 29.3% | 26.3% | 34.6% | 30.1% | 27.8% | 30.1% | 23.3% | 0.226 |

| Other Communities of Interest | 2000 Census Pop. | 1990 Census Pop. | Percent of Community Population with a Commercial Crewmember License, By Year | | | | | | | | | | | | | | | | Per Capita Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | |
| Anchorage | 260,283 | 226,338 | 0.3% | 0.4% | 0.3% | 0.3% | 0.3% | 0.4% | 0.4% | 0.5% | 0.5% | 0.6% | 0.6% | 0.7% | 0.8% | 0.8% | 0.9% | 0.9% | 1.0% | 0.006 |
| Kodiak | 6,334 | 6,365 | 12.6% | 12.6% | 12.9% | 13.2% | 13.9% | 16.5% | 18.0% | 17.8% | 16.4% | 19.5% | 20.7% | 22.7% | 26.6% | 27.1% | 29.5% | 31.2% | 33.2% | 0.203 |
| Homer | 3,946 | 3,660 | 14.1% | 14.7% | 15.0% | 14.0% | 14.0% | 16.7% | 18.4% | 20.6% | 18.9% | 21.1% | 22.3% | 24.5% | 28.4% | 28.0% | 30.3% | 31.4% | 35.2% | 0.214 |
| Sitka | 8,835 | 8,588 | 6.4% | 6.5% | 6.6% | 5.8% | 5.7% | 7.1% | 7.1% | 7.2% | 7.5% | 8.2% | 8.4% | 9.2% | 10.9% | 10.0% | 10.7% | 11.3% | 11.0% | 0.082 |
| Petersburg | 3,224 | 3,207 | 14.3% | 14.6% | 13.2% | 12.5% | 13.8% | 14.2% | 15.4% | 16.9% | 15.8% | 17.4% | 19.0% | 18.3% | 20.4% | 20.1% | 20.7% | 21.0% | 21.3% | 0.170 |

[1] The count of crewmember licenses in 2000 through 2006 were compared to the 2000 census population to determine the percent of each community's population with a commercial crewmember license and the count of crewmember licenses in 1990 through 1999 were compared to the 1990 census population.

[2] The per capita ratio reflects the sum of license holders from a community in each year between 1990 and 2006 divided by the total cumulative population of that community for each of the 17 years shown in this table.

Appendix A contains the mean and median license longevity of license holders in Alaskan communities in each year between 1988 and 2006. The mean and median values reflect the number of years that the license holders in a community in a specific year held a license between 1988 and that year.[29] For example, the 76 license holders in 2006 from Akiachak have a mean longevity of 6.1 years and median longevity of 4 years over the 1988 to 2006 time period. Of the Alaskan communities in 2006 that have more than 2 license holders, False Pass had the highest mean and median license longevity, 13.0 and 14.0 years, respectively. Since there are 19 years of data available, this suggests that the 5 license holders in 2006 from False Pass are long-term license holders and are dependent on fisheries for their livelihood. Communities like Anchorage and Kodiak, which have the largest numbers of license holders in 2006, have mean longevities of 5.4 and 6.8 years and median longevities of 3 and 5 years, respectively. This suggests that, in general, license holders from Kodiak have held licenses longer than individuals from Anchorage. Ugashik and Elfin Cove have the largest proportion of community members that hold a commercial crewmember license in 2006 (45.5% and 40.6%, respectively). In 2006, the mean longevity of license holders in each community was 8.2 and 6.8 years and the median longevities were 9 and 4 years. Please keep in mind that the more recent years, 2006 in particular, give a more accurate index of license longevity than the earlier years, because they reflect the most prior years of data upon which longevity values can be based. The longevity values in Appendix A were intended to suggest if a community had long-term or short-term license holders in a particular year.

## 7.0 Age Distribution of License Holders

The extent to which crew jobs are held by long-term "professionals" as opposed to short-term workers is currently a topic of interest. Long-term professionals are viewed as being more dependent upon fisheries for their livelihood and short term crewmembers are viewed as transients in the commercial fishing industry with less dependence on fishing income for their livelihood. Age information of license holders was examined in an attempt to further flush out information about the extent to which crewmembers appear to be long-term professionals or short-term workers. For example, could high school or college students simply seeking summer employment be distinguished from other crewmembers seeking more permanent employment based on their age? Unfortunately, it is not possible to distinguish students seeking summer jobs from young men and women at the beginning of their career in commercial fishing. As a result, this section simply presents the existing age and longevity information for crewmember license holders.

### 7.1 Age Distribution of License Holders, 1988 to 2006

Table 10 indicates summary statistics on age for the license holders in each year. Although the mean age of license holders has gradually increased between 1988 and 2006, over the 19 year period the net change in the mean age has only been 1.6 years. If the same license holders held a license in each year, logically the mean age would increase by 1 each year and would result in a net change in the mean of 19 years. Because the mean age increases by only a small fraction each year instead, it suggests that from each year to the next, younger individuals obtaining licenses offset nearly all the age increase of license holders that obtain a license from year to year; and/or younger individuals obtaining a license offset much of the age increase associated with older license holders obtaining a license; and/or age increases of license holders obtaining licenses offset a decrease associated with older individuals no longer obtaining a license.

[29] In Appendix A, the mean and median values reflect the longevity of license holders up to and including that year, regardless of their permanent mailing address in previous years. For example, if an individual lived in Bethel in 2004 and 2005, then lived in Akiachak in 2006 and held a license in all 3 years, in 2004 Bethel would be attributed with a license holder with a longevity of 1, in 2005 with a license holder with a longevity of 2, and in 2006 Akiachak would be attributed with a license holder with a longevity of 3 years.

**Table 10. Age Statistics for Commercial Crewmember License Holders, by Year**

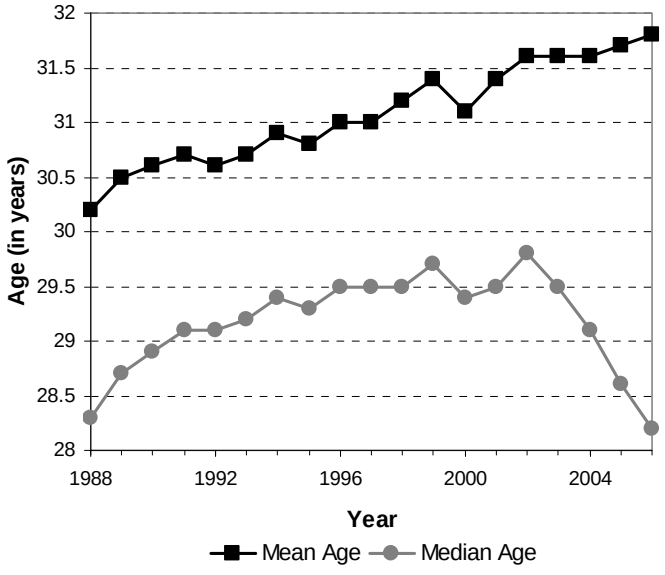
| License Year | No. of Unique License Holders[1] | No. of License Holders with Valid Ages[2] | No. of License Holders with Missing or Outlier Ages[2] | Age Statistics (in years) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean | Median | Std. Dev. | Minimum | Maximum | Range |
| 2006 | 17,377 | 17,218 | 159 | 31.8 | 28.2 | 14.3 | 3.0 | 100.0 | 96.9 |
| 2005 | 18,042 | 17,887 | 155 | 31.7 | 28.6 | 14.1 | 3.4 | 100.0 | 96.5 |
| 2004 | 17,955 | 17,831 | 124 | 31.6 | 29.1 | 13.8 | 3.4 | 99.6 | 96.2 |
| 2003 | 17,469 | 17,312 | 157 | 31.6 | 29.5 | 13.8 | 3.3 | 99.6 | 96.3 |
| 2002 | 16,759 | 16,607 | 152 | 31.6 | 29.8 | 13.6 | 3.0 | 100.0 | 97.0 |
| 2001 | 19,781 | 19,615 | 166 | 31.4 | 29.5 | 13.5 | 3.0 | 100.0 | 97.0 |
| 2000 | 23,305 | 23,109 | 196 | 31.1 | 29.4 | 13.3 | 3.0 | 97.5 | 94.5 |
| 1999 | 24,022 | 23,826 | 196 | 31.4 | 29.7 | 13.1 | 3.5 | 99.3 | 95.8 |
| 1998 | 24,127 | 23,711 | 416 | 31.2 | 29.5 | 12.8 | 3.3 | 97.1 | 93.8 |
| 1997 | 26,530 | 25,994 | 536 | 31.0 | 29.5 | 12.5 | 3.4 | 95.4 | 92.0 |
| 1996 | 27,662 | 27,255 | 407 | 31.0 | 29.5 | 12.3 | 3.0 | 94.3 | 91.2 |
| 1995 | 29,778 | 29,355 | 423 | 30.8 | 29.3 | 12.1 | 3.0 | 92.2 | 89.2 |
| 1994 | 31,301 | 29,798 | 1,503 | 30.9 | 29.4 | 12.1 | 3.1 | 93.6 | 90.5 |
| 1993 | 31,726 | 30,324 | 1,402 | 30.7 | 29.2 | 11.9 | 3.1 | 92.6 | 89.5 |
| 1992 | 34,673 | 33,094 | 1,579 | 30.6 | 29.1 | 11.7 | 3.2 | 98.0 | 94.8 |
| 1991 | 35,245 | 33,648 | 1,597 | 30.7 | 29.1 | 11.6 | 3.1 | 100.0 | 96.9 |
| 1990 | 35,175 | 33,172 | 2,003 | 30.6 | 28.9 | 11.8 | 3.0 | 100.0 | 97.0 |
| 1989 | 31,466 | 29,655 | 1,811 | 30.5 | 28.7 | 11.9 | 3.2 | 99.5 | 96.3 |
| 1988 | 30,734 | 29,005 | 1,729 | 30.2 | 28.3 | 12.0 | 3.4 | 96.9 | 93.5 |

[1] Unique license holders as estimated by CFEC's identification number assignment.
[2] The age of each license holder was calculated by determining the number of days between the birth date and license issue date (if available) or between the birth date and December 31 of the license year (if the issue date was unavailable) and then the days were converted to years. If birth date information was not available or filler information (01/01/1900 or 01/01/1901) populates the birth date field, an age was not calculated for the license record. Ages are flagged as valid if they fall between 3 and 100 years. Ages outside this range are considered outliers. Missing ages or outlier ages are not included in the age statistic calculations. If multiple age data exist in a year for an individual, the oldest age was included in the calculations.

As can be seen in Figure 2, the mean and median ages of license holders increase from 1988 until 2002. During that time period the percentage of license holders under the age of 30 declines while the percentage of license holders over the age of 30 increases (data aggregated in this manner not shown here). Following 2002 this situation reverses, however, and license holders under the age of 30 make up an increasingly larger percentage of the license holders. The median age drops to reflect the growing bulk of license holders under the age of 30 but the mean age continues to rise due to older license holders.

Table 11 categorizes the license holders in each year into 10 different age groups. There are representatives in each age group in every year. The under 10, 60 to under 70, 70 to under 80, 80 to under 90, and 90 to 100 age groups each constitute a fairly small, and fairly consistent percentage of the license holders over this 19 year period. The other age groups, which compose a larger percentage of the license holders each year, have seen change over the

**Figure 2. Age Statistics of Commercial Crewmember License Holders, by Year**



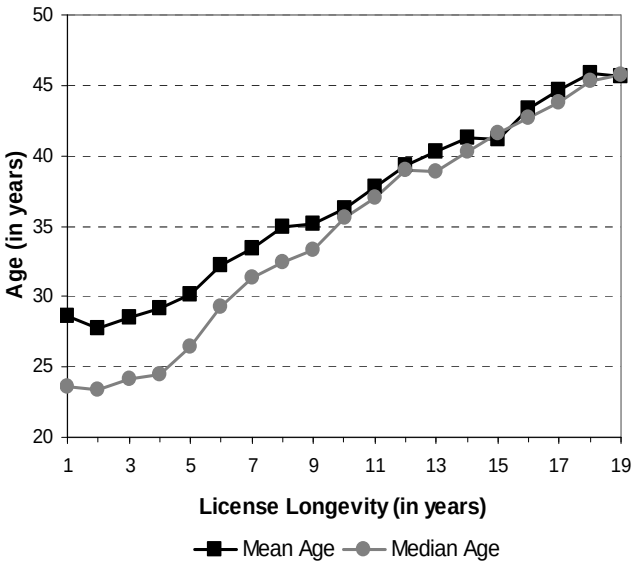
1988 to 2006 time period. There has been an overall decrease in the percentage of license holders in a year that fall in the 20 to under 30 age group and 30 to under 40 age group. Despite the decline, the 20 to under 30 age group remains the largest of the age groups. The 30 to under 40 age group was displaced as the second largest age group by the 10 to under 20 age group in 2003, however. The remaining age groups (10 to under 20, 40 to under 50, and 50 to under 60) have each shown an overall increase in the percentage of license holders that fall into the group.

### 7.2 Age Distribution and License Longevity of 2006 License Holders

Because 2006 data provide the best picture of license longevity, the ages of 2006 license holders were compared to their license longevities. There exists a moderate and significant positive correlation between age and license longevity.[30] Table 12 provides age summary statistics for 2006 license holders by their longevity. The mean and median age of first- time license holders in 2006 was 28.6 and 23.6 years, respectively, while the mean and median age of license holders with 19 years of longevity was 45.6 and 45.8 years. License holders in 2006 with 19 years of longevity are 17 to 22 years older, on average, than first time license holders in the same year. Interestingly, there are first time license holders in each of the 10 age groups in 2006, but those between 20 and 30 make up the largest percentage.

The mean and median age of 2006 license holders increase as longevity increases. Figure 3 illustrates these mean and median values for each length of longevity. It is interesting to note that as longevity increases, the difference between mean and median age appears to decrease. This coincides with a standard deviation that tends to decrease as longevity increases, suggesting the distribution of ages at the greater longevities are less skewed than at the shorter longevities.

**Figure 3. Age Statistics of 2006 Commercial Crewmember License Holders, by Longevity**




In an earlier section of this report, long-term professional crew were defined as those holding a license in 10 or more years between 1988 and 2006 and short-term transient crew were defined as those with a license in 1 or 2 years. In 2006, 19.6% of the license holders appear to be long-term professional crew, and the mean and median ages of these license holders were 40.5 and 40.6 years, respectively (data aggregated in this manner not shown here). In 2006, 43.1% of the license holders appear to be short-term workers with mean and median ages of 28.3 and 23.6 years, respectively. The age differences seen between long-term and short-term license holders is not entirely surprising, as one would expect some of the short-term license holders to be students seeking summer employment or young individuals recently joining the work force, while building nearly 20 years of experience requires some time and therefore aging.

[30] Correlation analysis indicates a Pearson correlation coefficient (*r*) of 0.341.

**Table 11. Number of Commercial Crewmember License Holders Per Age Category, by Year**

| | | | | Number of License Holders by Age Group | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| License Year | No. of Unique License Holders[1] | No. with Valid Ages[2] | No. with Missing or Outlier Ages[2] | Under 10 Years Old | | 10 to Under 20 Years Old | | 20 to Under 30 Years Old | | 30 to Under 40 Years Old | | 40 to Under 50 Years Old | | 50 to Under 60 Years Old | | 60 to Under 70 Years Old | | 70 to Under 80 Years Old | | 80 to Under 90 Years Old | | 90 to 100 Years Old | |
| 2006 | 17,377 | 17,218 | 159 | 237 | 1.4% | 3,900 | 22.4% | 5,071 | 29.2% | 2,980 | 17.1% | 2,874 | 16.5% | 1,524 | 8.8% | 495 | 2.8% | 115 | 0.7% | 18 | 0.1% | 4 | 0.0% |
| 2005 | 18,042 | 17,887 | 155 | 256 | 1.4% | 4,108 | 22.8% | 5,116 | 28.4% | 3,251 | 18.0% | 3,067 | 17.0% | 1,471 | 8.2% | 474 | 2.6% | 118 | 0.7% | 18 | 0.1% | 8 | 0.0% |
| 2004 | 17,955 | 17,831 | 124 | 227 | 1.3% | 4,020 | 22.4% | 4,975 | 27.7% | 3,540 | 19.7% | 3,146 | 17.5% | 1,351 | 7.5% | 459 | 2.6% | 95 | 0.5% | 11 | 0.1% | 7 | 0.0% |
| 2003 | 17,469 | 17,312 | 157 | 232 | 1.3% | 3,866 | 22.1% | 4,755 | 27.2% | 3,665 | 21.0% | 2,952 | 16.9% | 1,290 | 7.4% | 431 | 2.5% | 100 | 0.6% | 13 | 0.1% | 8 | 0.0% |
| 2002 | 16,759 | 16,607 | 152 | 264 | 1.6% | 3,584 | 21.4% | 4,520 | 27.0% | 3,728 | 22.2% | 2,797 | 16.7% | 1,228 | 7.3% | 375 | 2.2% | 96 | 0.6% | 7 | 0.0% | 8 | 0.0% |
| 2001 | 19,781 | 19,615 | 166 | 261 | 1.3% | 4,320 | 21.8% | 5,456 | 27.6% | 4,464 | 22.6% | 3,200 | 16.2% | 1,352 | 6.8% | 427 | 2.2% | 109 | 0.6% | 10 | 0.1% | 16 | 0.1% |
| 2000 | 23,305 | 23,109 | 196 | 329 | 1.4% | 5,172 | 22.2% | 6,412 | 27.5% | 5,439 | 23.3% | 3,636 | 15.6% | 1,494 | 6.4% | 475 | 2.0% | 128 | 0.5% | 13 | 0.1% | 11 | 0.0% |
| 1999 | 24,022 | 23,826 | 196 | 253 | 1.1% | 5,168 | 21.5% | 6,664 | 27.7% | 5,843 | 24.3% | 3,787 | 15.8% | 1,474 | 6.1% | 473 | 2.0% | 122 | 0.5% | 11 | 0.0% | 31 | 0.1% |
| 1998 | 24,127 | 23,711 | 416 | 205 | 0.8% | 5,002 | 20.7% | 6,936 | 28.7% | 5,926 | 24.6% | 3,693 | 15.3% | 1,339 | 5.5% | 464 | 1.9% | 116 | 0.5% | 19 | 0.1% | 11 | 0.0% |
| 1997 | 26,530 | 25,994 | 536 | 269 | 1.0% | 5,240 | 19.8% | 7,800 | 29.4% | 6,849 | 25.8% | 3,849 | 14.5% | 1,349 | 5.1% | 495 | 1.9% | 125 | 0.5% | 11 | 0.0% | 7 | 0.0% |
| 1996 | 27,662 | 27,255 | 407 | 289 | 1.0% | 5,212 | 18.8% | 8,487 | 30.7% | 7,429 | 26.9% | 3,885 | 14.0% | 1,315 | 4.8% | 483 | 1.7% | 133 | 0.5% | 18 | 0.1% | 4 | 0.0% |
| 1995 | 29,778 | 29,355 | 423 | 345 | 1.2% | 5,368 | 18.0% | 9,593 | 32.2% | 8,035 | 27.0% | 3,946 | 13.3% | 1,387 | 4.7% | 530 | 1.8% | 134 | 0.4% | 16 | 0.1% | 1 | 0.0% |
| 1994 | 31,301 | 29,798 | 1,503 | 268 | 0.9% | 5,212 | 16.7% | 10,020 | 32.0% | 8,230 | 26.3% | 3,980 | 12.7% | 1,391 | 4.4% | 521 | 1.7% | 141 | 0.5% | 27 | 0.1% | 8 | 0.0% |
| 1993 | 31,726 | 30,324 | 1,402 | 276 | 0.9% | 5,117 | 16.1% | 10,616 | 33.5% | 8,353 | 26.3% | 3,858 | 12.2% | 1,371 | 4.3% | 567 | 1.8% | 141 | 0.4% | 15 | 0.0% | 10 | 0.0% |
| 1992 | 34,673 | 33,094 | 1,579 | 330 | 1.0% | 5,347 | 15.4% | 11,997 | 34.6% | 9,239 | 26.6% | 3,992 | 11.5% | 1,439 | 4.2% | 579 | 1.7% | 146 | 0.4% | 20 | 0.1% | 5 | 0.0% |
| 1991 | 35,245 | 33,648 | 1,597 | 289 | 0.8% | 5,191 | 14.7% | 12,532 | 35.6% | 9,356 | 26.5% | 4,057 | 11.5% | 1,441 | 4.1% | 610 | 1.7% | 140 | 0.4% | 29 | 0.1% | 3 | 0.0% |
| 1990 | 35,175 | 33,172 | 2,003 | 317 | 0.9% | 5,444 | 15.5% | 12,218 | 34.7% | 9,084 | 25.8% | 3,830 | 10.9% | 1,469 | 4.2% | 662 | 1.9% | 125 | 0.4% | 18 | 0.1% | 5 | 0.0% |
| 1989 | 31,466 | 29,655 | 1,811 | 323 | 1.0% | 5,112 | 16.2% | 10,763 | 34.2% | 7,932 | 25.2% | 3,414 | 10.8% | 1,382 | 4.4% | 587 | 1.9% | 116 | 0.4% | 21 | 0.1% | 5 | 0.0% |
| 1988 | 30,734 | 29,005 | 1,729 | 370 | 1.2% | 5,429 | 17.7% | 10,463 | 34.0% | 7,475 | 24.3% | 3,195 | 10.4% | 1,344 | 4.4% | 597 | 1.9% | 115 | 0.4% | 16 | 0.1% | 1 | 0.0% |

[1] Unique license holders as estimated by CFEC's identification number assignment.

[2] The age of each license holder was calculated by determining the number of days between the birth date and license issue date (if available) or between the birth date and December 31 of the license year (if the issue date was unavailable) and then the days were converted to years. If birth date information was not available, an age was not calculated for a license record. Ages are flagged as valid if they fall between 3 and 100 years. Ages outside this range are considered outliers. Missing ages or outlier ages are not included in the age statistic calculations. If multiple age data exist in a year for an individual, the oldest age was included in the calculations.

**Table 12. Age Statistics and Classification by Age Group for 2006 Commercial Crewmember License Holders, by License Longevity**

| License Longevity (in years) | No. of Unique License Holders[1] | No. with Valid Ages[2] | No. with Missing/ Outlier Ages[2] | Age Statistics (in years) | | | Number of License Holders by Age Group | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Mean | Median | Std. Dev. | Under 10 Years Old | | 10 to Under 20 Years Old | | 20 to Under 30 Years Old | | 30 to Under 40 Years Old | | 40 to Under 50 Years Old | | 50 to Under 60 Years Old | | 60 to Under 70 Years Old | | 70 to Under 80 Years Old | | 80 to Under 90 Years Old | | 90 to 100 Years Old | |
| 1 | 5,300 | 5,203 | 97 | 28.6 | 23.6 | 14.4 | 126 | 2.4% | 1,633 | 31.4% | 1,686 | 32.4% | 627 | 12.1% | 584 | 11.2% | 353 | 6.8% | 139 | 2.7% | 44 | 0.8% | 9 | 0.2% | 2 | 0.0% |
| 2 | 2,195 | 2,186 | 9 | 27.7 | 23.4 | 13.6 | 59 | 2.7% | 692 | 31.7% | 728 | 33.3% | 283 | 12.9% | 231 | 10.6% | 126 | 5.8% | 58 | 2.7% | 7 | 0.3% | 2 | 0.1% | | |
| 3 | 1,529 | 1,517 | 12 | 28.5 | 24.1 | 13.7 | 28 | 1.8% | 459 | 30.3% | 503 | 33.2% | 215 | 14.2% | 169 | 11.1% | 98 | 6.5% | 35 | 2.3% | 9 | 0.6% | | | 1 | 0.1% |
| 4 | 1,226 | 1,222 | 4 | 29.2 | 24.5 | 14.1 | 13 | 1.1% | 392 | 32.1% | 359 | 29.4% | 183 | 15.0% | 145 | 11.9% | 89 | 7.3% | 32 | 2.6% | 7 | 0.6% | 2 | 0.2% | | |
| 5 | 951 | 948 | 3 | 30.1 | 26.4 | 12.7 | 5 | 0.5% | 234 | 24.7% | 317 | 33.4% | 157 | 16.6% | 155 | 16.4% | 63 | 6.6% | 14 | 1.5% | 3 | 0.3% | | | | |
| 6 | 827 | 821 | 6 | 32.2 | 29.3 | 13.7 | 3 | 0.4% | 178 | 21.7% | 235 | 28.6% | 161 | 19.6% | 152 | 18.5% | 65 | 7.9% | 21 | 2.6% | 5 | 0.6% | 1 | 0.1% | | |
| 7 | 719 | 711 | 8 | 33.4 | 31.4 | 13.5 | 2 | 0.3% | 124 | 17.4% | 212 | 29.8% | 144 | 20.3% | 132 | 18.6% | 74 | 10.4% | 22 | 3.1% | | | 1 | 0.1% | | |
| 8 | 625 | 621 | 4 | 35.0 | 32.4 | 13.3 | | | 73 | 11.8% | 182 | 29.3% | 152 | 24.5% | 119 | 19.2% | 74 | 11.9% | 16 | 2.6% | 5 | 0.8% | | | | |
| 9 | 591 | 589 | 2 | 35.2 | 33.3 | 12.7 | 1 | 0.2% | 44 | 7.5% | 198 | 33.6% | 141 | 23.9% | 121 | 20.5% | 59 | 10.0% | 21 | 3.6% | 4 | 0.7% | | | | |
| 10 | 557 | 557 | 0 | 36.2 | 35.6 | 12.4 | | | 38 | 6.8% | 177 | 31.8% | 125 | 22.4% | 144 | 25.9% | 54 | 9.7% | 14 | 2.5% | 5 | 0.9% | | | | |
| 11 | 468 | 465 | 3 | 37.8 | 37.0 | 12.2 | | | 17 | 3.7% | 130 | 28.0% | 121 | 26.0% | 118 | 25.4% | 60 | 12.9% | 15 | 3.2% | 4 | 0.9% | | | | |
| 12 | 418 | 417 | 1 | 39.3 | 39.0 | 11.8 | | | 8 | 1.9% | 99 | 23.7% | 114 | 27.3% | 117 | 28.1% | 64 | 15.3% | 11 | 2.6% | 4 | 1.0% | | | | |
| 13 | 379 | 377 | 2 | 40.3 | 38.9 | 12.1 | | | 5 | 1.3% | 79 | 21.0% | 116 | 30.8% | 97 | 25.7% | 56 | 14.9% | 17 | 4.5% | 7 | 1.9% | | | | |
| 14 | 337 | 335 | 2 | 41.3 | 40.3 | 11.0 | | | | | 51 | 15.2% | 114 | 34.0% | 107 | 31.9% | 43 | 12.8% | 17 | 5.1% | 2 | 0.6% | | | 1 | 0.3% |
| 15 | 340 | 339 | 1 | 41.2 | 41.6 | 9.8 | | | 1 | 0.3% | 46 | 13.6% | 103 | 30.4% | 124 | 36.6% | 57 | 16.8% | 6 | 1.8% | 1 | 0.3% | 1 | 0.3% | | |
| 16 | 302 | 300 | 2 | 43.3 | 42.7 | 11.0 | | | 1 | 0.3% | 38 | 12.7% | 75 | 25.0% | 118 | 39.3% | 45 | 15.0% | 18 | 6.0% | 4 | 1.3% | 1 | 0.3% | | |
| 17 | 280 | 278 | 2 | 44.7 | 43.8 | 10.1 | | | | | 18 | 6.5% | 73 | 26.3% | 105 | 37.8% | 61 | 21.9% | 19 | 6.8% | 1 | 0.4% | 1 | 0.4% | | |
| 18 | 225 | 225 | 0 | 45.9 | 45.3 | 9.6 | | | 1 | 0.4% | 8 | 3.6% | 52 | 23.1% | 89 | 39.6% | 59 | 26.2% | 14 | 6.2% | 2 | 0.9% | | | | |
| 19 | 108 | 107 | 1 | 45.6 | 45.8 | 9.7 | | | | | 5 | 4.7% | 24 | 22.4% | 47 | 43.9% | 24 | 22.4% | 6 | 5.6% | 1 | 0.9% | | | | |

[1] Unique license holders as estimated by CFEC's identification number assignment.
[2] The age of each license holder was calculated by determining the number of days between the birth date and license issue date (if available) or between the birth date and December 31 of the license year (if the issue date was unavailable) and then the days were converted to years. If birth date information was not available, an age was not calculated for a license record. Ages are flagged as valid if they fall between 3 and 100 years. Ages outside this range are considered outliers. Missing ages or outlier ages are not included in the age statistic calculations. If multiple age data exist in a year for an individual, the oldest age was included in the calculations.

## 8.0 Summary

The licensing system utilized by ADF&G for issuing commercial crewmember licenses is practical in that it enables participants in the commercial fisheries of Alaska to obtain a license quite easily, even in remote areas of the state. The information collected with the sale of each commercial crewmember license is the primary source of information about commercial crewmember license holders. Licenses are issued annually and as such, there is often no entirely definitive information linking a license holder from one year to the next. Each crewmember has a different license number each year. A previous study attempted to identify distinct individuals found within the license data and to assign an identification number to each license associated with that individual. Information found in the social security number, birth date, first name, and last name fields were used in combination to identify individuals. Because the identification was not flawless, all findings presented here should be viewed with caution. The values shown in this paper should be considered as estimates rather than hard fact or precise interpretation of the license data.

License longevity was determined for individuals in this report in two ways: comprehensively by counting the number of years in which an individual's unique identification number appeared in the data between 1988 and 2006 and cumulatively by counting the number of years in which an individual's unique identification number appeared between 1988 and each of the years in which the individual held a license. License longevity determined in either manner underestimates the true license longevity of many individuals, however. Data for only a portion of the years in which crewmember licenses were required were available for analysis, so many license holders true longevities are truncated. In addition, the method used to identify unique individuals in the existing data was not always able to match all of the license records that appear to be the same person due to discrepancies and/or missing information in the data fields. As a result, some unique individuals were assigned more than one identification number, and as a consequence the calculated license longevities are shortened.

License longevity was summarized in two ways, using the different types of longevity values determined for each individual. In one method, the longevity of all the license holders over the 1988 to 2006 time period was summarized using the number of years in which each individual's unique identification number appeared in the data between 1988 and 2006 as the longevity value. In the second method, the longevity of license holders in a particular year were summarized using the number of years in which each held a license between 1988 and that year as the longevity value. While it is unavoidable that some license longevities are truncated due to data constraints and the method used to assign identification numbers, the amount of influence these truncated values have on the two summary methods varies. When license longevity values are summarized for all the license holders over the 1988 to 2006 time period, summary values like the mean and median are influenced by license holders at the early end of the time-period, whose longevity values may be greatly truncated. When license longevity values are summarized for the license holders in a single year, the summary values like mean and median are only influenced by license holders in the early end of the time-period for years at the early end of the time-period. Thus, license longevity summary values for license holders in the later years are not influenced by the license longevities of license holders in the early end of the time-period whose longevity values may be greatly truncated. The 2006 data likely provide the most accurate index of license longevity, because truncated license longevities of license holders in the earlier years do not influence the mean and median longevity values and 2006 data have the greatest possible number of prior years of data available upon which to base an individual's license longevity.

In 2006, the mean longevity of license holders was 5.20 years and the median longevity was 3 years. The number of short-term, or 1 and 2 year, license holders was only 43.1% of the individuals in 2006 and the percentage of long-term license holders, with a license in 10 or more years, was 19.6% in 2006. As such, nearly a fifth of license holders in 2006 are considered professional crew.

Examination of license holders by residency revealed some differences between the longevity of Alaska resident and nonresident license holders. Resident license holders tend to have greater license longevity than nonresidents. In 2006 the mean license longevity for a resident was 5.92 years with a median longevity of 4. In this same year, nonresidents had a mean longevity of 4.34 years and median of 2 years. While both residency classes had short-term and long-term license holders, the short-term license holders comprise a smaller percentage of resident license holders in 2006 (34.3%) than they do for nonresidents (53.8%). Long-term license

holders, with licenses in 10 or more years, comprise a larger percentage of 2006 license holders for residents (23.6%) than nonresidents (15.2%).

Over 300 Alaskan communities have been home to commercial crewmember license holders between 1988 and 2006. A majority of license holders list an Alaskan community as their permanent mailing address each year, but that number has declined since 1988. In fact, the number of license holders from Alaskan communities has declined at a faster rate than the number of license holders from non-Alaskan communities. Cities such as Anchorage and Kodiak which contribute the largest number of license holders in each year show this decline. There are some Alaskan communities that have maintained a status quo or increased, but they are in the minority. While communities like Anchorage and Kodiak contribute a large number of license holders each year, communities like Chignik Lagoon, Iliamna, and Point Baker have the highest per capita ratio of crewmember license holders to overall population.

And lastly, analysis of crewmember license age data revealed that the mean age of license holders has increased slightly between 1988 and 2006. During that time-period, the composition of age groups has changed; the percentage of license holders under the age of 30 declined between 1988 and 1999 but increased between 2002 and 2006. Among 2006 license holders, there is a moderate positive correlation between age and license longevity, and the mean and median age values increase as longevity increases. There is over 12 years difference in age between short-term license holders and professional crew in 2006.

Despite any shortcomings with the process used to identify individuals within the crewmember license data, and the truncation of license longevity due to data constraints, this analysis was able to provide some information on the license longevity of commercial crewmember license holders during the 1988 to 2006 time period. In addition, the extent to which license holders are long-term “professionals” or short-term workers could be estimated.

## Appendix A.

## License Count, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| ABLANCH | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 2.0 | | |
| | Median | | | | | | | | | | | | | | | | | 2.0 | | |
| ADAK | Count | 7 | 17 | 11 | 16 | 2 | 7 | 2 | 2 | 3 | 1 | 1 | | | 2 | 2 | | | | |
| | Pct | 2.2% | 5.4% | 3.5% | 5.1% | 0.6% | 2.2% | 0.6% | 0.0% | 0.1% | 0.0% | 0.0% | | | 0.0% | 0.0% | | | | |
| | Mean | 3.0 | 6.7 | 4.7 | 7.7 | 1.0 | 4.0 | 7.0 | 3.0 | 7.3 | 2.0 | 6.0 | | | 2.0 | 1.5 | | | | |
| | Median | 3.0 | 8.0 | 5.0 | 7.5 | 1.0 | 3.0 | 7.0 | 3.0 | 7.0 | 2.0 | 6.0 | | | 2.0 | 1.5 | | | | |
| AFOGNAK | Count | | | | | | | | | | | | | | | | 1 | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | 3.0 | | | |
| | Median | | | | | | | | | | | | | | | | 3.0 | | | |
| AKHIOK | Count | 6 | 5 | 7 | 7 | 9 | 9 | 12 | 17 | 15 | 17 | 14 | 12 | | 1 | | | 1 | 1 | |
| | Pct | 7.5% | 6.3% | 8.8% | 8.8% | 11.3% | 11.3% | 15.0% | 22.1% | 19.5% | 22.1% | 18.2% | 15.6% | | 1.3% | | | 1.3% | | |
| | Mean | 8.7 | 8.6 | 8.1 | 5.4 | 5.9 | 8.9 | 7.9 | 6.8 | 6.1 | 4.8 | 4.1 | 3.0 | | 5.0 | | | 1.0 | 2.0 | |
| | Median | 9.5 | 11.0 | 6.0 | 3.0 | 2.0 | 11.0 | 8.5 | 6.0 | 8.0 | 4.0 | 2.5 | 1.0 | | 5.0 | | | 1.0 | 2.0 | |
| AKIACHAK | Count | 76 | 67 | 84 | 79 | 45 | 84 | 93 | 90 | 122 | 108 | 124 | 143 | 127 | 123 | 135 | 115 | 97 | 113 | 104 |
| | Pct | 13.0% | 11.5% | 14.4% | 13.5% | 7.7% | 14.4% | 15.9% | 18.6% | 25.3% | 22.4% | 25.7% | 29.6% | 26.3% | 25.5% | 28.0% | 23.8% | 20.1% | | |
| | Mean | 6.1 | 7.2 | 8.0 | 7.5 | 8.6 | 7.4 | 7.3 | 6.9 | 5.8 | 5.5 | 4.6 | 3.8 | 4.4 | 4.0 | 3.2 | 2.7 | 2.1 | 1.6 | 1.0 |
| | Median | 4.0 | 6.0 | 8.0 | 8.0 | 9.0 | 8.0 | 8.0 | 8.0 | 6.0 | 6.0 | 5.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| AKIAK | Count | 15 | 20 | 16 | 12 | 17 | 5 | 26 | 23 | 28 | 29 | 37 | 48 | 28 | 47 | 40 | 14 | 21 | 52 | 35 |
| | Pct | 4.9% | 6.5% | 5.2% | 3.9% | 5.5% | 1.6% | 8.4% | 8.1% | 9.8% | 10.2% | 13.0% | 16.8% | 9.8% | 16.5% | 14.0% | 4.9% | 7.4% | | |
| | Mean | 4.9 | 5.1 | 4.5 | 4.1 | 4.2 | 3.4 | 5.2 | 5.4 | 4.6 | 4.6 | 4.3 | 3.0 | 3.1 | 2.8 | 2.4 | 2.1 | 2.2 | 1.5 | 1.0 |
| | Median | 3.0 | 4.5 | 3.0 | 3.0 | 3.0 | 1.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 2.5 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| AKUTAN | Count | 14 | 10 | 14 | 20 | 18 | 8 | 17 | 17 | 12 | 18 | 11 | 17 | 30 | 36 | 37 | 42 | 35 | 18 | 9 |
| | Pct | 2.0% | 1.4% | 2.0% | 2.8% | 2.5% | 1.1% | 2.4% | 2.9% | 2.0% | 3.1% | 1.9% | 2.9% | 5.1% | 6.1% | 6.3% | 7.1% | 5.9% | | |
| | Mean | 8.4 | 8.4 | 6.0 | 7.7 | 6.3 | 7.1 | 7.4 | 6.8 | 5.3 | 4.8 | 5.7 | 4.6 | 4.0 | 3.4 | 3.1 | 2.2 | 1.7 | 1.3 | 1.0 |
| | Median | 8.0 | 9.5 | 4.5 | 8.0 | 6.5 | 8.5 | 9.0 | 8.0 | 5.5 | 5.5 | 6.0 | 5.0 | 4.0 | 3.5 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| ALAKANUK | Count | 40 | 82 | 87 | 80 | 48 | 3 | 81 | 57 | 98 | 99 | 71 | 100 | 118 | 108 | 104 | 97 | 98 | 101 | 98 |
| | Pct | 6.1% | 12.6% | 13.3% | 12.3% | 7.4% | 0.5% | 12.4% | 10.5% | 18.0% | 18.2% | 13.1% | 18.4% | 21.7% | 19.9% | 19.1% | 17.8% | 18.0% | | |
| | Mean | 5.8 | 5.3 | 5.2 | 5.1 | 5.3 | 4.0 | 5.0 | 5.4 | 4.5 | 4.0 | 4.1 | 3.6 | 3.2 | 3.2 | 2.9 | 2.6 | 2.1 | 1.6 | 1.0 |
| | Median | 5.0 | 4.0 | 4.0 | 4.0 | 4.5 | 2.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| ALASKA | Count | | | | | | | | | 1 | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 2.0 | | | | | | | | | | |
| | Median | | | | | | | | | 2.0 | | | | | | | | | | |
| ALEKNAGIK | Count | 25 | 30 | 26 | 31 | 20 | 28 | 47 | 41 | 42 | 35 | 45 | 42 | 37 | 39 | 44 | 42 | 46 | 42 | 44 |
| | Pct | 11.3% | 13.6% | 11.8% | 14.0% | 9.0% | 12.7% | 21.3% | 22.2% | 22.7% | 18.9% | 24.3% | 22.7% | 20.0% | 21.1% | 23.8% | 22.7% | 24.9% | | |
| | Mean | 7.3 | 6.9 | 6.4 | 6.0 | 4.8 | 5.4 | 5.4 | 4.7 | 4.0 | 3.2 | 3.6 | 3.2 | 3.2 | 3.3 | 2.8 | 2.5 | 2.0 | 1.5 | 1.0 |
| | Median | 5.0 | 6.0 | 7.0 | 6.0 | 4.5 | 5.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.5 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| ALEXANDER | Count | | | 1 | | | | 1 | 1 | 1 | 3 | 4 | 2 | | | | | | | |
| | Pct | | | | | | | | 2.5% | 2.5% | 7.5% | 10.0% | 5.0% | | | | | | | |
| | Mean | | | 17.0 | | | | 2.0 | 1.0 | 7.0 | 5.3 | 1.0 | 3.5 | | | | | | | |
| | Median | | | 17.0 | | | | 2.0 | 1.0 | 7.0 | 6.0 | 1.0 | 3.5 | | | | | | | |
| ALEXANDER CREEK | Count | | | | | | | | 1 | 2 | | | | | | | | | 1 | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 8.0 | 6.0 | | | | | | | | | 2.0 | |
| | Median | | | | | | | | 8.0 | 6.0 | | | | | | | | | 2.0 | |
| ALLAKAKET | Count | | | | 1 | | | | | | | 1 | | | 2 | | | | 2 | 1 |
| | Pct | | | | 1.0% | | | | | | | 0.6% | | | 1.2% | | | | | |
| | Mean | | | | 5.0 | | | | | | | 1.0 | | | 2.5 | | | | 1.0 | 1.0 |
| | Median | | | | 5.0 | | | | | | | 1.0 | | | 2.5 | | | | 1.0 | 1.0 |
| AMBLER | Count | 1 | 2 | | 1 | | 4 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 8 | 3 | 4 | 7 | 14 |
| | Pct | 0.3% | 0.6% | | 0.3% | | 1.3% | 1.0% | 0.3% | 0.3% | 0.6% | 0.3% | 0.6% | 0.3% | 0.6% | 2.6% | 1.0% | 1.3% | | |
| | Mean | 2.0 | 2.5 | | 5.0 | | 2.0 | 1.7 | 1.0 | 5.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.5 | 1.6 | 2.0 | 1.5 | 1.4 | 1.0 |
| | Median | 2.0 | 2.5 | | 5.0 | | 1.5 | 1.0 | 1.0 | 5.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.5 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| AN | Count | | | | | | | | 1 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 1.0 | | | | | | | | | | | |
| | Median | | | | | | | | 1.0 | | | | | | | | | | | |
| ANAKTUVUK PASS | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| ANCHOR POINT | Count | 46 | 63 | 71 | 65 | 72 | 84 | 124 | 119 | 114 | 147 | 128 | 155 | 209 | 217 | 233 | 210 | 208 | 184 | 190 |
| | Pct | 2.5% | 3.4% | 3.8% | 3.5% | 3.9% | 4.6% | 6.7% | 13.7% | 13.2% | 17.0% | 14.8% | 17.9% | 24.1% | 25.1% | 26.9% | 24.2% | 24.0% | | |
| | Mean | 6.1 | 5.8 | 5.8 | 4.8 | 5.0 | 5.1 | 4.4 | 4.3 | 3.9 | 3.5 | 3.1 | 3.2 | 3.0 | 2.9 | 2.5 | 2.2 | 1.7 | 1.4 | 1.0 |
| | Median | 4.5 | 4.0 | 4.0 | 3.0 | 3.5 | 4.0 | 3.5 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| ANCHORAGE | Count | 897 | 919 | 892 | 909 | 810 | 993 | 1,168 | 1,139 | 1,057 | 1,322 | 1,449 | 1,598 | 1,697 | 1,842 | 2,139 | 2,131 | 2,199 | 1,960 | 2,075 |
| | Pct | 0.3% | 0.4% | 0.3% | 0.3% | 0.3% | 0.4% | 0.4% | 0.5% | 0.5% | 0.6% | 0.6% | 0.7% | 0.7% | 0.8% | 0.9% | 0.9% | 1.0% | | |
| | Mean | 5.4 | 5.2 | 5.2 | 5.0 | 5.1 | 4.6 | 4.6 | 4.4 | 4.3 | 3.7 | 3.4 | 3.2 | 3.0 | 2.7 | 2.4 | 2.1 | 1.7 | 1.4 | 1.0 |
| | Median | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| ANDERSON | Count | 1 | 1 | 1 | 1 | 3 | | | | | 1 | 1 | 3 | 2 | 1 | 3 | 3 | 6 | 5 | 3 |
| | Pct | 0.3% | 0.3% | 0.3% | 0.3% | 0.8% | | | | | 0.2% | 0.2% | 0.5% | 0.3% | 0.2% | 0.5% | 0.5% | 1.0% | | |
| | Mean | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 | | | | | 3.0 | 2.0 | 1.0 | 2.5 | 3.0 | 2.3 | 1.7 | 1.2 | 1.4 | 1.0 |
| | Median | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 | | | | | 3.0 | 2.0 | 1.0 | 2.5 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ANDREWS BAY | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| ANGOON | Count | 23 | 19 | 12 | 14 | 19 | 25 | 22 | 25 | 29 | 29 | 30 | 46 | 60 | 61 | 59 | 66 | 81 | 83 | 95 |
| | Pct | 4.0% | 3.3% | 2.1% | 2.4% | 3.3% | 4.4% | 3.8% | 3.9% | 4.5% | 4.5% | 4.7% | 7.2% | 9.4% | 9.6% | 9.2% | 10.3% | 12.7% | | |
| | Mean | 5.4 | 8.1 | 8.2 | 7.7 | 6.1 | 5.0 | 5.7 | 5.2 | 4.8 | 4.0 | 4.5 | 2.8 | 3.2 | 2.7 | 3.1 | 2.6 | 1.9 | 1.6 | 1.0 |
| | Median | 2.0 | 8.0 | 8.0 | 8.5 | 7.0 | 5.0 | 6.0 | 5.0 | 4.0 | 3.0 | 5.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| ANIAK | Count | | | | 2 | 1 | | 2 | 4 | 6 | 6 | 15 | 14 | 29 | 15 | 30 | 40 | 28 | 41 | 32 |
| | Pct | | | | 0.3% | 0.2% | | 0.3% | 0.7% | 1.1% | 1.1% | 2.8% | 2.6% | 5.4% | 2.8% | 5.6% | 7.4% | 5.2% | | |
| | Mean | | | | 4.0 | 1.0 | | 3.5 | 5.0 | 3.5 | 3.5 | 3.3 | 3.4 | 2.7 | 3.7 | 2.5 | 2.1 | 1.8 | 1.4 | 1.0 |
| | Median | | | | 4.0 | 1.0 | | 3.5 | 5.0 | 3.5 | 2.5 | 3.0 | 3.5 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| ANVIK | Count | | | | 2 | | | 1 | 1 | 1 | | 11 | 18 | 23 | 16 | 16 | 22 | 26 | 27 | 20 |
| | Pct | | | | 1.9% | | | 1.0% | 1.2% | 1.2% | | 13.4% | 22.0% | 28.0% | 19.5% | 19.5% | 26.8% | 31.7% | | |
| | Mean | | | | 3.0 | | | 1.0 | 1.0 | 1.0 | | 2.6 | 4.4 | 4.3 | 3.3 | 3.6 | 2.7 | 2.2 | 1.5 | 1.0 |
| | Median | | | | 3.0 | | | 1.0 | 1.0 | 1.0 | | 1.0 | 5.0 | 5.0 | 2.5 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| ARCTIC VILLAGE | Count | 2 | 1 | | 1 | | | | | | | | | | | | | | | |
| | Pct | 1.3% | 0.7% | | 0.7% | | | | | | | | | | | | | | | |
| | Mean | 7.5 | 13.0 | | 1.0 | | | | | | | | | | | | | | | |
| | Median | 7.5 | 13.0 | | 1.0 | | | | | | | | | | | | | | | |
| ATKA | Count | 2 | 3 | 10 | 9 | 9 | 17 | 19 | 14 | 16 | 17 | 22 | 17 | 10 | 8 | 8 | 3 | 6 | | 1 |
| | Pct | 2.2% | 3.3% | 10.9% | 9.8% | 9.8% | 18.5% | 20.7% | 14.3% | 16.3% | 17.3% | 22.4% | 17.3% | 10.2% | 8.2% | 8.2% | 3.1% | 6.1% | | |
| | Mean | 13.5 | 10.0 | 9.6 | 10.2 | 7.0 | 7.5 | 6.8 | 6.4 | 5.2 | 4.4 | 3.5 | 3.5 | 3.6 | 3.0 | 3.0 | 3.0 | 2.0 | | 1.0 |
| | Median | 13.5 | 8.0 | 10.5 | 11.0 | 8.0 | 9.0 | 6.0 | 7.0 | 5.0 | 5.0 | 3.5 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | | 1.0 |
| ATMAUTLUAK | Count | 4 | 14 | 10 | 9 | 4 | 6 | 34 | 39 | 39 | 31 | 50 | 59 | 1 | | | | 1 | 1 | |
| | Pct | 1.4% | 4.8% | 3.4% | 3.1% | 1.4% | 2.0% | 11.6% | 15.1% | 15.1% | 12.0% | 19.4% | 22.9% | 0.4% | | | | 0.4% | | |
| | Mean | 9.3 | 7.0 | 6.2 | 6.6 | 7.0 | 6.7 | 6.9 | 6.1 | 5.5 | 5.2 | 4.5 | 3.6 | 2.0 | | | | 1.0 | 2.0 | |
| | Median | 7.5 | 6.5 | 4.0 | 6.0 | 6.5 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 3.0 | 2.0 | | | | 1.0 | 2.0 | |
| ATQASUK | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| AUKE BAY | Count | 30 | 18 | 21 | 12 | 18 | 29 | 28 | 27 | 18 | 31 | 32 | 32 | 56 | 72 | 52 | 54 | 62 | 82 | 67 |
| | Pct | | | | | | | | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.2% | 0.3% | 0.2% | 0.2% | 0.2% | | |
| | Mean | 3.5 | 4.8 | 4.3 | 6.1 | 4.5 | 4.2 | 4.4 | 4.3 | 4.8 | 4.4 | 3.4 | 3.3 | 3.2 | 2.8 | 2.5 | 2.3 | 1.9 | 1.4 | 1.0 |
| | Median | 3.0 | 2.0 | 3.0 | 5.5 | 3.5 | 2.0 | 3.5 | 3.0 | 5.0 | 4.0 | 2.5 | 1.5 | 2.5 | 2.5 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| BARROW | Count | 7 | 6 | 6 | 4 | 4 | 6 | 6 | 9 | 8 | 7 | 4 | 5 | 6 | 5 | 5 | 3 | 6 | 8 | 9 |
| | Pct | 0.2% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.3% | 0.2% | 0.2% | 0.1% | 0.1% | 0.2% | 0.1% | 0.1% | 0.1% | 0.2% | | |
| | Mean | 7.6 | 6.2 | 7.8 | 10.0 | 9.3 | 4.8 | 6.0 | 4.7 | 3.8 | 5.1 | 6.5 | 5.8 | 4.0 | 4.0 | 3.2 | 2.7 | 2.5 | 1.5 | 1.0 |
| | Median | 3.0 | 1.5 | 7.5 | 11.5 | 10.5 | 2.0 | 5.0 | 2.0 | 1.0 | 5.0 | 6.5 | 6.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 1.5 | 1.0 |
| BEAUTY BAY | Count | | | | | | | | | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | 2.0 | | | | | |
| | Median | | | | | | | | | | | | | | 2.0 | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| BEAVER | Count | | | | | | | | | | | | | | | | | 2 | | |
| | Pct | | | | | | | | | | | | | | | | | 1.9% | | |
| | Mean | | | | | | | | | | | | | | | | | 1.0 | | |
| | Median | | | | | | | | | | | | | | | | | 1.0 | | |
| BELL ISLAND | Count | | | | | 1 | | | 1 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | 9.0 | | | 8.0 | | | | | | | | | | | |
| | Median | | | | | 9.0 | | | 8.0 | | | | | | | | | | | |
| BELUGA | Count | | | | | | | 2 | 1 | 1 | 1 | | 2 | | | | | | | |
| | Pct | | | | | | | 6.3% | | | | | | | | | | | | |
| | Mean | | | | | | | 2.0 | 1.0 | 1.0 | 1.0 | | 1.5 | | | | | | | |
| | Median | | | | | | | 2.0 | 1.0 | 1.0 | 1.0 | | 1.5 | | | | | | | |
| BELUGA RIVER | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| BETHEL | Count | 102 | 118 | 105 | 94 | 90 | 133 | 199 | 229 | 276 | 260 | 300 | 412 | 582 | 528 | 597 | 658 | 626 | 706 | 683 |
| | Pct | 1.9% | 2.2% | 1.9% | 1.7% | 1.6% | 2.4% | 3.6% | 4.9% | 5.9% | 5.6% | 6.4% | 8.8% | 12.5% | 11.3% | 12.8% | 14.1% | 13.4% | | |
| | Mean | 6.6 | 6.2 | 6.4 | 6.0 | 5.9 | 5.6 | 5.4 | 5.2 | 4.7 | 4.2 | 3.8 | 3.2 | 3.4 | 3.2 | 2.9 | 2.4 | 2.0 | 1.5 | 1.0 |
| | Median | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| BETTLES | Count | | | | | 1 | | | | | | 1 | | 1 | | 1 | | 1 | 2 | 1 |
| | Pct | | | | | 2.3% | | | | | | 2.8% | | 2.8% | | 2.8% | | 2.8% | | |
| | Mean | | | | | 5.0 | | | | | | 1.0 | | 1.0 | | 1.0 | | 2.0 | 1.5 | 1.0 |
| | Median | | | | | 5.0 | | | | | | 1.0 | | 1.0 | | 1.0 | | 2.0 | 1.5 | 1.0 |
| BIG LAKE | Count | 9 | 17 | 19 | 9 | 13 | 11 | 18 | 18 | 14 | 29 | 30 | 25 | 27 | 30 | 36 | 20 | 26 | 26 | 30 |
| | Pct | 0.3% | 0.6% | 0.7% | 0.3% | 0.5% | 0.4% | 0.7% | 1.2% | 0.9% | 2.0% | 2.0% | 1.7% | 1.8% | 2.0% | 2.4% | 1.4% | 1.8% | | |
| | Mean | 4.3 | 4.4 | 4.1 | 4.1 | 3.1 | 4.9 | 4.1 | 2.5 | 3.6 | 2.2 | 2.3 | 2.4 | 2.6 | 2.0 | 2.1 | 1.8 | 1.6 | 1.2 | 1.0 |
| | Median | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 | 3.0 | 1.5 | 1.5 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| BIRCHWOOD | Count | | | | | | | | | | | | 1 | | | | | | | |
| | Pct | | | | | | | | | | | | 0.0% | | | | | | | |
| | Mean | | | | | | | | | | | | 1.0 | | | | | | | |
| | Median | | | | | | | | | | | | 1.0 | | | | | | | |
| BIRD CREEK | Count | | 1 | 2 | 3 | 2 | 1 | | | 1 | 3 | 1 | | | | | | | | |
| | Pct | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | | | | | |
| | Mean | | 4.0 | 2.5 | 1.3 | 2.0 | 4.0 | | | 5.0 | 4.7 | 3.0 | | | | | | | | |
| | Median | | 4.0 | 2.5 | 1.0 | 2.0 | 4.0 | | | 5.0 | 4.0 | 3.0 | | | | | | | | |
| BREVIG MISSION | Count | | 1 | | 1 | | | | | 1 | | | 2 | | 1 | | | | | |
| | Pct | | 0.4% | | 0.4% | | | | | 0.5% | | | 1.0% | | 0.5% | | | | | |
| | Mean | | 1.0 | | 2.0 | | | | | 1.0 | | | 1.0 | | 5.0 | | | | | |
| | Median | | 1.0 | | 2.0 | | | | | 1.0 | | | 1.0 | | 5.0 | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| BRISTOL | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 1.0 | | |
| | Median | | | | | | | | | | | | | | | | | 1.0 | | |
| BUCKLAND | Count | 1 | | | | | | | 1 | | | 3 | | | | | | 1 | | 3 |
| | Pct | 0.2% | | | | | | | 0.3% | | | 0.9% | | | | | | 0.3% | | |
| | Mean | 1.0 | | | | | | | 1.0 | | | 1.3 | | | | | | 1.0 | | 1.0 |
| | Median | 1.0 | | | | | | | 1.0 | | | 1.0 | | | | | | 1.0 | | 1.0 |
| CANTWELL | Count | | | | 1 | | | | | 2 | 4 | 2 | | 1 | | 3 | 3 | 1 | 2 | 2 |
| | Pct | | | | 0.5% | | | | | 1.4% | 2.7% | 1.4% | | 0.7% | | 2.0% | 2.0% | 0.7% | | |
| | Mean | | | | 1.0 | | | | | 1.0 | 2.3 | 1.5 | | 1.0 | | 1.7 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Median | | | | 1.0 | | | | | 1.0 | 2.0 | 1.5 | | 1.0 | | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CDJ | Count | | | | | | | | | 1 | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 9.0 | | | | | | | | | | |
| | Median | | | | | | | | | 9.0 | | | | | | | | | | |
| CDV | Count | | | | | | | | | 3 | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 2.3 | | | | | | | | | | |
| | Median | | | | | | | | | 2.0 | | | | | | | | | | |
| CENTRAL | Count | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | 2 | 5 | 2 | 2 | 2 | 4 | 2 | 1 |
| | Pct | | 0.7% | 0.7% | 0.7% | 0.7% | 1.5% | 0.7% | 1.9% | | 1.9% | 1.9% | 3.8% | 9.6% | 3.8% | 3.8% | 3.8% | 7.7% | | |
| | Mean | | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | | 2.0 | 1.0 | 4.5 | 2.6 | 4.0 | 3.0 | 2.5 | 1.0 | 1.5 | 1.0 |
| | Median | | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | | 2.0 | 1.0 | 4.5 | 1.0 | 4.0 | 3.0 | 2.5 | 1.0 | 1.5 | 1.0 |
| CHEFORNAK | Count | 18 | 14 | 17 | 16 | 12 | 18 | 20 | 22 | 35 | 44 | 52 | 42 | 40 | 36 | 36 | 43 | 46 | 54 | 41 |
| | Pct | 4.6% | 3.6% | 4.3% | 4.1% | 3.0% | 4.6% | 5.1% | 6.9% | 10.9% | 13.8% | 16.3% | 13.1% | 12.5% | 11.3% | 11.3% | 13.4% | 14.4% | | |
| | Mean | 6.4 | 6.4 | 8.0 | 6.6 | 7.2 | 5.2 | 5.6 | 6.8 | 4.9 | 4.5 | 4.0 | 4.0 | 3.7 | 3.4 | 3.1 | 2.5 | 2.2 | 1.6 | 1.0 |
| | Median | 6.0 | 5.5 | 9.0 | 7.0 | 8.0 | 4.5 | 5.5 | 7.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.5 | 2.0 | 1.0 |
| CHENEGA | Count | | | | | | | | | 1 | | | | | | | 2 | | | 1 |
| | Pct | | | | | | | | | 1.1% | | | | | | | 2.1% | | | |
| | Mean | | | | | | | | | 1.0 | | | | | | | 2.5 | | | 1.0 |
| | Median | | | | | | | | | 1.0 | | | | | | | 2.5 | | | 1.0 |
| CHENEGA BAY | Count | 1 | 1 | 1 | 1 | 5 | 2 | | 1 | 1 | 1 | 8 | 8 | 1 | | | 2 | 1 | 1 | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 3.0 | 2.0 | 1.0 | 9.0 | 4.4 | 4.5 | | 1.0 | 1.0 | 6.0 | 2.3 | 2.0 | 3.0 | | | 3.0 | 1.0 | 1.0 | |
| | Median | 3.0 | 2.0 | 1.0 | 9.0 | 4.0 | 4.5 | | 1.0 | 1.0 | 6.0 | 1.5 | 1.0 | 3.0 | | | 3.0 | 1.0 | 1.0 | |
| CHEVAK | Count | 5 | 3 | 2 | 3 | 3 | 2 | 25 | 38 | 34 | 36 | 48 | 35 | 33 | 20 | 45 | 43 | 56 | 77 | 61 |
| | Pct | 0.7% | 0.4% | 0.3% | 0.4% | 0.4% | 0.3% | 3.3% | 6.4% | 5.7% | 6.0% | 8.0% | 5.9% | 5.5% | 3.3% | 7.5% | 7.2% | 9.4% | | |
| | Mean | 2.6 | 1.3 | 4.5 | 2.3 | 5.3 | 10.5 | 5.9 | 5.0 | 5.1 | 4.8 | 4.0 | 3.6 | 4.0 | 4.1 | 3.3 | 3.0 | 2.3 | 1.5 | 1.0 |
| | Median | 1.0 | 1.0 | 4.5 | 1.0 | 6.0 | 10.5 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.5 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| CHICKALOON | Count | 1 | | | 2 | 1 | 1 | 2 | 3 | 3 | 4 | 1 | 3 | | 1 | | 1 | | 1 | |
| | Pct | 0.5% | | | 0.9% | 0.5% | 0.5% | 0.9% | 2.1% | 2.1% | 2.8% | 0.7% | 2.1% | | 0.7% | | 0.7% | | | |
| | Mean | 3.0 | | | 1.0 | 3.0 | 2.0 | 3.5 | 2.7 | 2.7 | 3.3 | 3.0 | 6.3 | | 3.0 | | 1.0 | | 1.0 | |
| | Median | 3.0 | | | 1.0 | 3.0 | 2.0 | 3.5 | 3.0 | 2.0 | 1.0 | 3.0 | 6.0 | | 3.0 | | 1.0 | | 1.0 | |
| CHICKEN | Count | | | | | | | | 1 | | | | 1 | | | | | 2 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 1.0 | | | | 1.0 | | | | | 1.0 | | |
| | Median | | | | | | | | 1.0 | | | | 1.0 | | | | | 1.0 | | |
| CHIGNIK | Count | 27 | 15 | 20 | 25 | 9 | 50 | 35 | 46 | 33 | 50 | 56 | 70 | 62 | 61 | 63 | 67 | 77 | 101 | 93 |
| | Pct | 34.2% | 19.0% | 25.3% | 31.6% | 11.4% | 63.3% | 44.3% | 24.5% | 17.6% | 26.6% | 29.8% | 37.2% | 33.0% | 32.4% | 33.5% | 35.6% | 41.0% | | |
| | Mean | 8.3 | 8.5 | 6.5 | 7.2 | 6.7 | 6.9 | 7.3 | 6.0 | 4.9 | 4.9 | 5.1 | 3.7 | 4.0 | 3.9 | 3.3 | 2.9 | 2.4 | 1.6 | 1.0 |
| | Median | 9.0 | 8.0 | 5.0 | 7.0 | 6.0 | 7.0 | 8.0 | 5.5 | 5.0 | 5.0 | 6.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| CHIGNIK BAY | Count | 4 | 1 | | | | | | 1 | | | | | | 2 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 5.8 | 9.0 | | | | | | 12.0 | | | | | | 2.5 | | | | | |
| | Median | 5.5 | 9.0 | | | | | | 12.0 | | | | | | 2.5 | | | | | |
| CHIGNIK LAGOON | Count | 35 | 37 | 30 | 52 | 52 | 62 | 52 | 45 | 55 | 49 | 39 | 50 | 54 | 55 | 35 | 40 | 48 | 38 | 34 |
| | Pct | 34.0% | 35.9% | 29.1% | 50.5% | 50.5% | 60.2% | 50.5% | 84.9% | 103.8% | 92.5% | 73.6% | 94.3% | 101.9% | 103.8% | 66.0% | 75.5% | 90.6% | | |
| | Mean | 7.8 | 5.9 | 6.3 | 5.8 | 6.3 | 5.2 | 6.3 | 5.4 | 6.1 | 4.7 | 4.9 | 4.2 | 4.0 | 3.6 | 3.1 | 2.6 | 2.1 | 1.4 | 1.0 |
| | Median | 8.0 | 4.0 | 5.0 | 5.0 | 5.5 | 5.0 | 6.0 | 5.0 | 7.0 | 4.0 | 6.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| CHIGNIK LAKE | Count | 18 | 31 | 9 | 19 | 25 | 37 | 38 | 17 | 29 | 39 | 39 | 35 | 46 | 40 | 37 | 40 | 31 | 1 | 1 |
| | Pct | 12.4% | 21.4% | 6.2% | 13.1% | 17.2% | 25.5% | 26.2% | 12.8% | 21.8% | 29.3% | 29.3% | 26.3% | 34.6% | 30.1% | 27.8% | 30.1% | 23.3% | | |
| | Mean | 5.2 | 5.2 | 5.1 | 5.1 | 7.0 | 6.1 | 5.9 | 7.8 | 7.0 | 5.1 | 4.2 | 3.9 | 4.7 | 4.3 | 3.9 | 3.5 | 2.3 | 2.0 | 1.0 |
| | Median | 3.0 | 5.0 | 4.0 | 4.0 | 7.0 | 6.0 | 6.0 | 9.0 | 8.0 | 5.0 | 4.0 | 4.0 | 6.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 |
| CHINIAK | Count | 1 | 2 | 6 | 2 | 5 | 9 | 6 | 7 | 11 | 6 | 5 | 5 | 2 | | 1 | 1 | 2 | | |
| | Pct | 2.0% | 4.0% | 12.0% | 4.0% | 10.0% | 18.0% | 12.0% | 10.1% | 15.9% | 8.7% | 7.2% | 7.2% | 2.9% | | 1.4% | 1.4% | 2.9% | | |
| | Mean | 17.0 | 8.5 | 8.5 | 9.0 | 5.4 | 5.3 | 3.5 | 5.7 | 4.7 | 4.2 | 3.4 | 4.4 | 3.5 | | 4.0 | 3.0 | 1.0 | | |
| | Median | 17.0 | 8.5 | 7.5 | 9.0 | 3.0 | 6.0 | 2.0 | 5.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.5 | | 4.0 | 3.0 | 1.0 | | |
| CHITINA | Count | 2 | 4 | 3 | 4 | 5 | 2 | 3 | 7 | 3 | 2 | 1 | 3 | 6 | 8 | 4 | 7 | 6 | 8 | 9 |
| | Pct | 1.6% | 3.3% | 2.4% | 3.3% | 4.1% | 1.6% | 2.4% | 14.3% | 6.1% | 4.1% | 2.0% | 6.1% | 12.2% | 16.3% | 8.2% | 14.3% | 12.2% | | |
| | Mean | 2.5 | 2.8 | 4.7 | 3.3 | 3.4 | 5.5 | 4.3 | 2.3 | 2.0 | 1.5 | 1.0 | 2.7 | 2.5 | 2.0 | 3.0 | 1.6 | 1.5 | 1.3 | 1.0 |
| | Median | 2.5 | 2.0 | 5.0 | 3.0 | 3.0 | 5.5 | 5.0 | 2.0 | 2.0 | 1.5 | 1.0 | 2.0 | 3.0 | 1.5 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CHUATHBALUK | Count | | | | | | 1 | 1 | | 2 | 1 | 1 | 5 | | | | | | | |
| | Pct | | | | | | 0.8% | 0.8% | | 2.1% | 1.0% | 1.0% | 5.2% | | | | | | | |
| | Mean | | | | | | 2.0 | 1.0 | | 2.5 | 1.0 | 1.0 | 1.6 | | | | | | | |
| | Median | | | | | | 2.0 | 1.0 | | 2.5 | 1.0 | 1.0 | 1.0 | | | | | | | |
| CHUGIAK | Count | 38 | 29 | 38 | 32 | 32 | 34 | 40 | 30 | 34 | 46 | 52 | 63 | 61 | 72 | 83 | 90 | 93 | 76 | 82 |
| | Pct | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| | Mean | 3.7 | 3.3 | 3.8 | 3.7 | 3.0 | 3.9 | 4.3 | 4.4 | 3.9 | 3.1 | 3.2 | 3.6 | 3.4 | 2.8 | 2.6 | 2.2 | 1.7 | 1.5 | 1.0 |
| | Median | 2.0 | 1.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.5 | 2.0 | 2.0 | 1.5 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| CIRCLE | Count | 1 | | 1 | | | 2 | 2 | 2 | | 1 | 1 | 2 | 2 | 3 | 2 | 1 | 2 | | |
| | Pct | 1.0% | | 1.0% | | | 2.0% | 2.0% | | | | | | | | | | | | |
| | Mean | 1.0 | | 1.0 | | | 4.5 | 4.5 | 3.5 | | 4.0 | 7.0 | 3.5 | 4.0 | 2.3 | 2.5 | 2.0 | 1.0 | | |
| | Median | 1.0 | | 1.0 | | | 4.5 | 4.5 | 3.5 | | 4.0 | 7.0 | 3.5 | 4.0 | 2.0 | 2.5 | 2.0 | 1.0 | | |
| CIRCLE CITY | Count | | | | | 1 | | | | 1 | | | | | | | | | | |
| | Pct | | | | | 1.0% | | | | 1.4% | | | | | | | | | | |
| | Mean | | | | | 9.0 | | | | 5.0 | | | | | | | | | | |
| | Median | | | | | 9.0 | | | | 5.0 | | | | | | | | | | |
| CLAM GULCH | Count | 16 | 14 | 21 | 22 | 20 | 23 | 34 | 31 | 22 | 34 | 39 | 28 | 20 | 20 | 27 | 20 | 39 | 27 | 45 |
| | Pct | 9.2% | 8.1% | 12.1% | 12.7% | 11.6% | 13.3% | 19.7% | 39.2% | 27.8% | 43.0% | 49.4% | 35.4% | 25.3% | 25.3% | 34.2% | 25.3% | 49.4% | | |
| | Mean | 4.9 | 5.4 | 6.0 | 5.0 | 4.3 | 5.5 | 4.4 | 3.9 | 4.5 | 3.3 | 2.9 | 3.3 | 2.8 | 2.8 | 1.9 | 1.7 | 1.5 | 1.2 | 1.0 |
| | Median | 4.5 | 4.0 | 5.0 | 4.0 | 3.0 | 6.0 | 3.5 | 4.0 | 4.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.5 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CLARKS POINT | Count | 14 | 19 | 14 | 18 | 21 | 29 | 30 | 27 | 32 | 26 | 21 | 22 | 17 | 24 | 24 | 19 | 30 | 23 | 38 |
| | Pct | 18.7% | 25.3% | 18.7% | 24.0% | 28.0% | 38.7% | 40.0% | 45.0% | 53.3% | 43.3% | 35.0% | 36.7% | 28.3% | 40.0% | 40.0% | 31.7% | 50.0% | | |
| | Mean | 7.7 | 8.4 | 9.1 | 7.7 | 6.5 | 6.1 | 6.2 | 6.3 | 5.8 | 5.0 | 4.5 | 3.7 | 3.8 | 3.3 | 3.1 | 2.5 | 2.1 | 1.7 | 1.0 |
| | Median | 6.0 | 9.0 | 10.5 | 7.5 | 8.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| CLEAR | Count | 1 | | | | | | | | | | | 1 | 3 | | 2 | 3 | 4 | 8 | 5 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 13.0 | | | | | | | | | | | 1.0 | 3.3 | | 1.0 | 2.3 | 1.8 | 1.1 | 1.0 |
| | Median | 13.0 | | | | | | | | | | | 1.0 | 4.0 | | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| COFFMAN COVE | Count | 5 | 8 | 6 | 6 | 6 | 7 | 9 | 5 | 7 | 2 | 6 | 9 | 2 | 4 | 5 | 3 | | | |
| | Pct | 2.5% | 4.0% | 3.0% | 3.0% | 3.0% | 3.5% | 4.5% | 2.7% | 3.8% | 1.1% | 3.2% | 4.8% | 1.1% | 2.2% | 2.7% | 1.6% | | | |
| | Mean | 4.8 | 4.0 | 5.7 | 3.7 | 5.8 | 4.4 | 3.1 | 4.8 | 3.3 | 6.0 | 2.8 | 2.3 | 1.5 | 1.3 | 1.4 | 2.3 | | | |
| | Median | 1.0 | 2.0 | 5.0 | 2.0 | 5.0 | 3.0 | 1.0 | 4.0 | 3.0 | 6.0 | 2.5 | 2.0 | 1.5 | 1.0 | 1.0 | 2.0 | | | |
| COLD BAY | Count | 6 | 8 | 11 | 4 | 2 | 1 | 1 | | 4 | | 5 | 2 | 23 | 28 | 32 | 24 | 26 | 24 | 22 |
| | Pct | 6.8% | 9.1% | 12.5% | 4.5% | 2.3% | 1.1% | 1.1% | | 2.7% | | 3.4% | 1.4% | 15.5% | 18.9% | 21.6% | 16.2% | 17.6% | | |
| | Mean | 5.0 | 2.4 | 3.3 | 1.5 | 6.0 | 1.0 | 5.0 | | 3.8 | | 1.0 | 3.0 | 4.3 | 3.3 | 3.0 | 2.5 | 2.2 | 1.6 | 1.0 |
| | Median | 4.5 | 1.5 | 2.0 | 1.0 | 6.0 | 1.0 | 5.0 | | 1.5 | | 1.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| COLDFOOT | Count | 1 | | 2 | | | 1 | 1 | | | | | | | | | | | | |
| | Pct | 7.7% | | 15.4% | | | 7.7% | 7.7% | | | | | | | | | | | | |
| | Mean | 2.0 | | 1.0 | | | 2.0 | 1.0 | | | | | | | | | | | | |
| | Median | 2.0 | | 1.0 | | | 2.0 | 1.0 | | | | | | | | | | | | |
| COLLEGE | Count | | | | | | | | | | | | 1 | | | | | | | |
| | Pct | | | | | | | | | | | | 0.0% | | | | | | | |
| | Mean | | | | | | | | | | | | 1.0 | | | | | | | |
| | Median | | | | | | | | | | | | 1.0 | | | | | | | |
| CONWAY | Count | | | | | | | | | | | | | | | | 1 | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | 1.0 | | | |
| | Median | | | | | | | | | | | | | | | | 1.0 | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| COOPER LANDING | Count | 5 | 3 | 4 | 6 | 3 | 1 | 3 | 3 | 4 | 3 | 3 | 5 | 5 | 7 | 15 | 12 | 11 | 11 | 13 |
| | Pct | 1.4% | 0.8% | 1.1% | 1.6% | 0.8% | 0.3% | 0.8% | 1.2% | 1.6% | 1.2% | 1.2% | 2.1% | 2.1% | 2.9% | 6.2% | 4.9% | 4.5% | | |
| | Mean | 5.2 | 2.7 | 4.3 | 3.2 | 3.7 | 2.0 | 1.0 | 1.7 | 1.0 | 7.3 | 7.3 | 5.0 | 5.0 | 3.4 | 2.4 | 1.8 | 1.8 | 1.5 | 1.0 |
| | Median | 5.0 | 2.0 | 4.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 6.0 | 8.0 | 5.0 | 6.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| COPPER CENTER | Count | 14 | 10 | 8 | 9 | 13 | 14 | 12 | 18 | 15 | 17 | 21 | 16 | 18 | 20 | 22 | 27 | 29 | 16 | 25 |
| | Pct | 3.9% | 2.8% | 2.2% | 2.5% | 3.6% | 3.9% | 3.3% | 4.0% | 3.3% | 3.8% | 4.7% | 3.6% | 4.0% | 4.5% | 4.9% | 6.0% | 6.5% | | |
| | Mean | 5.9 | 6.5 | 5.4 | 5.7 | 4.0 | 4.9 | 4.1 | 2.9 | 3.3 | 2.7 | 2.6 | 2.4 | 2.9 | 3.1 | 2.3 | 1.8 | 1.6 | 1.3 | 1.0 |
| | Median | 4.5 | 6.0 | 3.5 | 5.0 | 3.0 | 3.5 | 2.0 | 2.5 | 2.0 | 2.0 | 1.0 | 1.5 | 2.5 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| CORDOVA | Count | 300 | 287 | 293 | 338 | 326 | 395 | 394 | 380 | 365 | 415 | 358 | 471 | 521 | 515 | 670 | 682 | 750 | 589 | 607 |
| | Pct | 12.2% | 11.7% | 11.9% | 13.8% | 13.3% | 16.1% | 16.1% | 18.0% | 17.3% | 19.7% | 17.0% | 22.3% | 24.7% | 24.4% | 31.8% | 32.3% | 35.5% | | |
| | Mean | 5.8 | 5.9 | 5.6 | 5.2 | 5.0 | 4.5 | 4.8 | 4.7 | 4.4 | 4.0 | 4.1 | 3.8 | 3.5 | 3.3 | 2.9 | 2.5 | 2.0 | 1.5 | 1.0 |
| | Median | 4.5 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| COREAN D ALEN | Count | | | | | | | | | | | | | 1 | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | 1.0 | | | | | | |
| | Median | | | | | | | | | | | | | 1.0 | | | | | | |
| CRAIG | Count | 135 | 130 | 130 | 115 | 121 | 136 | 146 | 155 | 135 | 126 | 146 | 122 | 186 | 174 | 192 | 242 | 214 | 176 | 169 |
| | Pct | 9.7% | 9.3% | 9.3% | 8.2% | 8.7% | 9.7% | 10.5% | 12.3% | 10.7% | 10.0% | 11.6% | 9.7% | 14.8% | 13.8% | 15.2% | 19.2% | 17.0% | | |
| | Mean | 4.6 | 4.5 | 5.0 | 4.5 | 4.8 | 3.9 | 4.1 | 3.8 | 4.1 | 3.4 | 3.2 | 3.1 | 3.1 | 2.7 | 2.4 | 2.0 | 1.7 | 1.4 | 1.0 |
| | Median | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| CROOKED CREEK | Count | | | | | | | 1 | 1 | | 1 | | 1 | | 2 | 2 | 2 | 1 | 3 | 5 |
| | Pct | | | | | | | 0.7% | 0.9% | | 0.9% | | 0.9% | | 1.9% | 1.9% | 1.9% | 0.9% | | |
| | Mean | | | | | | | 8.0 | 1.0 | | 1.0 | | 1.0 | | 3.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 |
| | Median | | | | | | | 8.0 | 1.0 | | 1.0 | | 1.0 | | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CUBE COVE | Count | | | | | | | | | | | | 1 | | | | | | | |
| | Pct | | | | | | | | | | | | 0.6% | | | | | | | |
| | Mean | | | | | | | | | | | | 5.0 | | | | | | | |
| | Median | | | | | | | | | | | | 5.0 | | | | | | | |
| DEERING | Count | | | | | | | 1 | 1 | 1 | 2 | 1 | 1 | | | | | 2 | 1 | 1 |
| | Pct | | | | | | | 0.7% | 0.6% | 0.6% | 1.3% | 0.6% | 0.6% | | | | | 1.3% | | |
| | Mean | | | | | | | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | | | | | 1.0 | 1.0 | 1.0 |
| | Median | | | | | | | 5.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | | | | | 1.0 | 1.0 | 1.0 |
| DELTA JUNCTION | Count | 15 | 13 | 11 | 15 | 10 | 3 | 4 | 4 | 6 | 6 | 6 | 5 | 16 | 14 | 15 | 17 | 12 | 11 | 18 |
| | Pct | 1.8% | 1.5% | 1.3% | 1.8% | 1.2% | 0.4% | 0.5% | 0.6% | 0.9% | 0.9% | 0.9% | 0.8% | 2.5% | 2.1% | 2.3% | 2.6% | 1.8% | | |
| | Mean | 1.6 | 3.7 | 4.9 | 4.4 | 4.4 | 2.0 | 3.8 | 2.0 | 2.3 | 2.5 | 2.2 | 1.6 | 1.9 | 1.9 | 1.7 | 1.3 | 1.3 | 1.1 | 1.0 |
| | Median | 1.0 | 2.0 | 5.0 | 3.0 | 4.0 | 1.0 | 3.0 | 1.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| DENALI PARK | Count | | | | 1 | 1 | | | 1 | | | | 2 | | | | 4 | 1 | 1 | 2 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | 4.0 | 1.0 | | | 2.0 | | | | 1.0 | | | | 2.0 | 1.0 | 1.0 | 1.0 |
| | Median | | | | 4.0 | 1.0 | | | 2.0 | | | | 1.0 | | | | 1.5 | 1.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| DILLINGHAM | Count | 283 | 328 | 319 | 320 | 279 | 386 | 465 | 469 | 403 | 472 | 457 | 465 | 491 | 508 | 502 | 494 | 491 | 464 | 518 |
| | Pct | 11.5% | 13.3% | 12.9% | 13.0% | 11.3% | 15.7% | 18.9% | 23.3% | 20.0% | 23.4% | 22.7% | 23.1% | 24.3% | 25.2% | 24.9% | 24.5% | 24.3% | | |
| | Mean | 7.0 | 6.4 | 6.4 | 5.9 | 5.9 | 5.5 | 5.6 | 5.1 | 5.0 | 4.2 | 4.2 | 3.7 | 3.8 | 3.2 | 2.8 | 2.3 | 1.9 | 1.5 | 1.0 |
| | Median | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| DIOMEDE | Count | | | | | | | 1 | | 1 | | | | | | | | | | |
| | Pct | | | | | | | 0.7% | | 0.6% | | | | | | | | | | |
| | Mean | | | | | | | 1.0 | | 1.0 | | | | | | | | | | |
| | Median | | | | | | | 1.0 | | 1.0 | | | | | | | | | | |
| DLG | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 5.0 | | | | |
| | Median | | | | | | | | | | | | | | | 5.0 | | | | |
| DOT LAKE | Count | | | 1 | | | | | 1 | | | | | | | | | | | |
| | Pct | | | 5.3% | | | | | 1.4% | | | | | | | | | | | |
| | Mean | | | 1.0 | | | | | 1.0 | | | | | | | | | | | |
| | Median | | | 1.0 | | | | | 1.0 | | | | | | | | | | | |
| DOUGLAS | Count | 48 | 36 | 29 | 34 | 30 | 32 | 34 | 37 | 41 | 34 | 39 | 40 | 51 | 59 | 75 | 89 | 87 | 83 | 20 |
| | Pct | | | | | | | | 0.1% | 0.2% | 0.1% | 0.1% | 0.1% | 0.2% | 0.2% | 0.3% | 0.3% | 0.3% | | |
| | Mean | 5.3 | 5.9 | 5.1 | 4.9 | 6.1 | 5.0 | 5.6 | 5.5 | 4.0 | 4.4 | 3.8 | 3.7 | 3.0 | 3.2 | 2.7 | 2.3 | 1.9 | 1.3 | 1.0 |
| | Median | 4.0 | 5.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.5 | 5.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| DUTCH HARBOR | Count | 117 | 109 | 105 | 123 | 105 | 113 | 119 | 141 | 135 | 154 | 172 | 178 | 222 | 207 | 263 | 339 | 322 | 280 | 93 |
| | Pct | | | | | | | | 4.6% | 4.4% | 5.0% | 5.6% | 5.8% | 7.2% | 6.7% | 8.5% | 11.0% | 10.4% | | |
| | Mean | 6.8 | 7.3 | 6.5 | 6.5 | 6.0 | 5.8 | 4.8 | 4.9 | 4.6 | 3.6 | 3.6 | 3.3 | 3.1 | 2.9 | 2.6 | 2.1 | 1.7 | 1.4 | 1.0 |
| | Median | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 2.5 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| EAGLE | Count | | | | 1 | | 1 | 1 | 2 | 1 | 2 | 1 | | 1 | 1 | 1 | 2 | 2 | 1 | 4 |
| | Pct | | | | 0.8% | | 0.8% | 0.8% | 1.2% | 0.6% | 1.2% | 0.6% | | 0.6% | 0.6% | 0.6% | 1.2% | 1.2% | | |
| | Mean | | | | 1.0 | | 9.0 | 8.0 | 4.0 | 6.0 | 3.5 | 4.0 | | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| | Median | | | | 1.0 | | 9.0 | 8.0 | 4.0 | 6.0 | 3.5 | 4.0 | | 2.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| EAGLE RIVER | Count | 66 | 92 | 62 | 89 | 73 | 84 | 93 | 100 | 83 | 110 | 110 | 131 | 144 | 138 | 169 | 142 | 156 | 164 | 174 |
| | Pct | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | | |
| | Mean | 3.4 | 4.1 | 5.2 | 4.1 | 3.7 | 3.6 | 3.9 | 4.0 | 3.6 | 2.9 | 3.0 | 3.1 | 2.6 | 2.5 | 2.1 | 2.0 | 1.7 | 1.4 | 1.0 |
| | Median | 2.0 | 2.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| EDNA BAY | Count | 5 | 4 | 5 | 3 | 3 | 9 | 8 | 7 | 10 | 17 | 15 | 26 | 6 | 4 | 11 | 4 | | 1 | 5 |
| | Pct | 10.2% | 8.2% | 10.2% | 6.1% | 6.1% | 18.4% | 16.3% | 8.1% | 11.6% | 19.8% | 17.4% | 30.2% | 7.0% | 4.7% | 12.8% | 4.7% | | | |
| | Mean | 5.8 | 3.8 | 2.4 | 3.7 | 8.7 | 5.1 | 5.0 | 3.7 | 6.0 | 4.6 | 4.4 | 2.8 | 3.3 | 4.3 | 2.4 | 2.3 | | 1.0 | 1.0 |
| | Median | 5.0 | 4.0 | 2.0 | 4.0 | 9.0 | 3.0 | 3.5 | 1.0 | 7.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.5 | 2.0 | 2.5 | | 1.0 | 1.0 |
| EEK | Count | 3 | 30 | 25 | 24 | 24 | 40 | 50 | 51 | 31 | 42 | 52 | 57 | 13 | 44 | 50 | 51 | 62 | 56 | 51 |
| | Pct | 1.1% | 10.7% | 8.9% | 8.6% | 8.6% | 14.3% | 17.9% | 20.1% | 12.2% | 16.5% | 20.5% | 22.4% | 5.1% | 17.3% | 19.7% | 20.1% | 24.4% | | |
| | Mean | 5.7 | 6.0 | 6.8 | 5.3 | 6.5 | 7.3 | 6.5 | 5.9 | 6.9 | 6.1 | 5.2 | 4.1 | 5.2 | 4.3 | 3.7 | 2.7 | 2.1 | 1.8 | 1.0 |
| | Median | 4.0 | 5.0 | 6.0 | 4.0 | 6.0 | 6.0 | 6.5 | 6.0 | 8.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| EGEGIK | Count | 29 | 35 | 30 | 33 | 31 | 37 | 45 | 48 | 50 | 42 | 40 | 46 | 55 | 55 | 63 | 50 | 56 | 65 | 64 |
| | Pct | 25.0% | 30.2% | 25.9% | 28.4% | 26.7% | 31.9% | 38.8% | 39.3% | 41.0% | 34.4% | 32.8% | 37.7% | 45.1% | 45.1% | 51.6% | 41.0% | 45.9% | | |
| | Mean | 6.7 | 6.9 | 6.8 | 6.7 | 4.2 | 4.7 | 4.0 | 4.2 | 4.1 | 5.0 | 4.9 | 4.5 | 4.5 | 3.8 | 3.1 | 2.9 | 2.1 | 1.7 | 1.0 |
| | Median | 6.0 | 6.0 | 6.0 | 6.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.5 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| EIELSON AFB | Count | | | 1 | | | | 1 | | 1 | 1 | | 1 | 3 | | 1 | 3 | 2 | 3 | |
| | Pct | | | 0.0% | | | | 0.0% | | | | | | | | | | | | |
| | Mean | | | 1.0 | | | | 3.0 | | 2.0 | 1.0 | | 1.0 | 1.0 | | 1.0 | 1.7 | 1.0 | 1.0 | |
| | Median | | | 1.0 | | | | 3.0 | | 2.0 | 1.0 | | 1.0 | 1.0 | | 1.0 | 2.0 | 1.0 | 1.0 | |
| EKWOK | Count | 7 | 3 | 6 | 2 | 1 | 6 | 11 | 13 | 10 | 6 | 14 | 16 | 18 | 13 | 14 | 9 | 18 | 20 | 25 |
| | Pct | 5.4% | 2.3% | 4.6% | 1.5% | 0.8% | 4.6% | 8.5% | 16.9% | 13.0% | 7.8% | 18.2% | 20.8% | 23.4% | 16.9% | 18.2% | 11.7% | 23.4% | | |
| | Mean | 5.0 | 2.7 | 3.3 | 7.5 | 10.0 | 4.3 | 4.8 | 5.2 | 4.7 | 3.7 | 3.9 | 2.6 | 3.3 | 2.5 | 3.1 | 3.0 | 2.1 | 1.5 | 1.0 |
| | Median | 2.0 | 1.0 | 3.5 | 7.5 | 10.0 | 4.5 | 5.0 | 5.0 | 4.5 | 3.0 | 4.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.5 | 1.0 |
| ELFIN COVE | Count | 13 | 13 | 19 | 10 | 11 | 16 | 18 | 20 | 16 | 19 | 22 | 19 | 26 | 28 | 26 | 29 | 26 | 24 | 17 |
| | Pct | 40.6% | 40.6% | 59.4% | 31.3% | 34.4% | 50.0% | 56.3% | 35.1% | 28.1% | 33.3% | 38.6% | 33.3% | 45.6% | 49.1% | 45.6% | 50.9% | 45.6% | | |
| | Mean | 6.8 | 6.5 | 5.0 | 6.5 | 7.5 | 6.0 | 4.6 | 5.0 | 4.5 | 3.5 | 3.1 | 2.8 | 2.6 | 2.7 | 2.4 | 2.3 | 1.9 | 1.3 | 1.0 |
| | Median | 4.0 | 5.0 | 2.0 | 5.0 | 7.0 | 6.0 | 4.0 | 5.0 | 3.5 | 3.0 | 2.5 | 1.0 | 2.0 | 2.5 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| ELIM | Count | | 16 | 3 | 7 | 5 | 14 | 28 | 21 | 34 | 34 | 42 | 40 | 52 | 43 | 19 | 53 | 46 | 45 | 46 |
| | Pct | | 5.1% | 1.0% | 2.2% | 1.6% | 4.5% | 8.9% | 8.0% | 12.9% | 12.9% | 15.9% | 15.2% | 19.7% | 16.3% | 7.2% | 20.1% | 17.4% | | |
| | Mean | | 5.2 | 6.0 | 5.9 | 7.4 | 4.5 | 6.6 | 5.3 | 5.0 | 5.5 | 4.2 | 3.6 | 3.8 | 3.6 | 3.6 | 2.6 | 2.1 | 1.5 | 1.0 |
| | Median | | 3.5 | 2.0 | 3.0 | 9.0 | 2.5 | 6.5 | 5.0 | 4.5 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| ELMENDORF AFB | Count | | | 1 | | | 4 | | 2 | 2 | | 3 | 3 | 6 | 4 | 9 | 10 | 8 | 10 | 10 |
| | Pct | | | 0.0% | | | 0.0% | | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| | Mean | | | 1.0 | | | 2.3 | | 1.0 | 1.0 | | 1.0 | 1.0 | 1.8 | 1.5 | 1.9 | 1.5 | 1.6 | 1.3 | 1.0 |
| | Median | | | 1.0 | | | 1.0 | | 1.0 | 1.0 | | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMMONAK | Count | 19 | 98 | 101 | 119 | 85 | 12 | 133 | 164 | 151 | 162 | 168 | 168 | 139 | 154 | 138 | 151 | 132 | 148 | 172 |
| | Pct | 2.5% | 12.8% | 13.2% | 15.5% | 11.1% | 1.6% | 17.3% | 25.5% | 23.5% | 25.2% | 26.2% | 26.2% | 21.7% | 24.0% | 21.5% | 23.5% | 20.6% | | |
| | Mean | 5.9 | 6.0 | 6.6 | 6.5 | 6.3 | 7.2 | 6.2 | 5.9 | 5.7 | 4.4 | 4.4 | 3.8 | 3.8 | 3.6 | 3.0 | 2.7 | 2.2 | 1.5 | 1.0 |
| | Median | 7.0 | 5.0 | 6.0 | 6.0 | 6.0 | 8.5 | 5.0 | 6.0 | 6.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| EMO | Count | | | | | | | | | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | 1.0 | | | | | |
| | Median | | | | | | | | | | | | | | 1.0 | | | | | |
| ENGLISH BAY | Count | | | | | 1 | | | | | | 2 | 1 | | | | | | | |
| | Pct | | | | | | | | | | | 1.3% | 0.6% | | | | | | | |
| | Mean | | | | | 1.0 | | | | | | 4.5 | 2.0 | | | | | | | |
| | Median | | | | | 1.0 | | | | | | 4.5 | 2.0 | | | | | | | |
| ER | Count | | | | | | | | | 1 | | | | 1 | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 5.0 | | | | 1.0 | | | | | | |
| | Median | | | | | | | | | 5.0 | | | | 1.0 | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| ESTER | Count | 1 | | 2 | 1 | 1 | 1 | 1 | | 2 | 1 | 2 | 3 | 5 | 1 | 4 | 2 | 4 | 5 | 3 |
| | Pct | 0.1% | | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% | | 1.4% | 0.7% | 1.4% | 2.0% | 3.4% | 0.7% | 2.7% | 1.4% | 2.7% | | |
| | Mean | 7.0 | | 3.5 | 3.0 | 2.0 | 1.0 | 8.0 | | 5.5 | 3.0 | 1.5 | 2.3 | 1.4 | 2.0 | 1.8 | 1.5 | 2.0 | 1.6 | 1.0 |
| | Median | 7.0 | | 3.5 | 3.0 | 2.0 | 1.0 | 8.0 | | 5.5 | 3.0 | 1.5 | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 | 2.0 | 2.0 | 1.0 |
| EXCURSION INLET | Count | | | | | | 1 | | | | | | 1 | | | | | | | |
| | Pct | | | | | | 10.0% | | | | | | | | | | | | | |
| | Mean | | | | | | 4.0 | | | | | | 1.0 | | | | | | | |
| | Median | | | | | | 4.0 | | | | | | 1.0 | | | | | | | |
| FAIRBANKS | Count | 51 | 56 | 54 | 59 | 53 | 91 | 82 | 80 | 85 | 113 | 126 | 150 | 165 | 187 | 205 | 225 | 206 | 231 | 266 |
| | Pct | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% | 0.3% | 0.3% | 0.3% | 0.3% | 0.4% | 0.4% | 0.5% | 0.5% | 0.6% | 0.7% | 0.7% | 0.7% | | |
| | Mean | 3.6 | 3.4 | 4.4 | 3.6 | 3.9 | 3.4 | 3.9 | 3.7 | 3.2 | 3.7 | 3.1 | 2.7 | 2.9 | 2.4 | 2.1 | 1.9 | 1.6 | 1.3 | 1.0 |
| | Median | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| FALSE PASS | Count | 5 | 5 | 12 | 12 | 15 | 12 | 13 | 23 | 25 | 23 | 22 | 24 | 26 | 19 | 27 | 22 | 25 | 24 | 24 |
| | Pct | 7.8% | 7.8% | 18.8% | 18.8% | 23.4% | 18.8% | 20.3% | 33.8% | 36.8% | 33.8% | 32.4% | 35.3% | 38.2% | 27.9% | 39.7% | 32.4% | 36.8% | | |
| | Mean | 13.0 | 12.4 | 7.7 | 7.8 | 5.6 | 4.8 | 6.2 | 4.9 | 5.7 | 4.8 | 4.7 | 3.7 | 4.2 | 3.9 | 3.5 | 3.3 | 2.5 | 1.7 | 1.0 |
| | Median | 14.0 | 13.0 | 7.0 | 8.5 | 6.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.5 | 2.5 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 1.0 |
| FLAT | Count | | | | | | | | | | | | | 2 | | | | 1 | 3 | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | 1.0 | | | | 2.0 | 2.0 | 1.0 |
| | Median | | | | | | | | | | | | | 1.0 | | | | 2.0 | 2.0 | 1.0 |
| FORT GREELY | Count | 1 | | | | | | | 1 | | | | | | | | | | | |
| | Pct | 0.2% | | | | | | | 0.1% | | | | | | | | | | | |
| | Mean | 12.0 | | | | | | | 8.0 | | | | | | | | | | | |
| | Median | 12.0 | | | | | | | 8.0 | | | | | | | | | | | |
| FORT RICHARDSON | Count | | 1 | | 1 | | | 1 | 2 | 1 | | 2 | 2 | 7 | 8 | 5 | 12 | 8 | 4 | 5 |
| | Pct | | 0.0% | | 0.0% | | | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| | Mean | | 1.0 | | 10.0 | | | 2.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.9 | 2.5 | 2.0 | 1.8 | 1.6 | 1.0 | 1.0 |
| | Median | | 1.0 | | 10.0 | | | 2.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 2.0 | 1.5 | 1.0 | 1.5 | 1.5 | 1.0 | 1.0 |
| FORT WAINWRIGHT | Count | | | | | 1 | | 1 | | | 1 | | | 2 | 9 | 7 | 2 | 1 | 2 | 2 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | 1.0 | | 1.0 | | | 3.0 | | | 2.0 | 2.8 | 1.1 | 1.5 | 1.0 | 1.5 | 1.0 |
| | Median | | | | | 1.0 | | 1.0 | | | 3.0 | | | 2.0 | 3.0 | 1.0 | 1.5 | 1.0 | 1.5 | 1.0 |
| FORT YUKON | Count | | | | 1 | | 1 | 1 | | 1 | | | 1 | | 3 | 3 | 2 | 2 | 2 | 3 |
| | Pct | | | | 0.2% | | 0.2% | 0.2% | | 0.2% | | | 0.2% | | 0.5% | 0.5% | 0.3% | 0.3% | | |
| | Mean | | | | 1.0 | | 1.0 | 1.0 | | 7.0 | | | 3.0 | | 5.0 | 2.3 | 3.0 | 2.0 | 2.0 | 1.0 |
| | Median | | | | 1.0 | | 1.0 | 1.0 | | 7.0 | | | 3.0 | | 5.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| FORTUNA LEDGE | Count | | | | | 1 | | | | | | | | 55 | 80 | 72 | 69 | 77 | 67 | 72 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | 6.0 | | | | | | | | 4.4 | 3.8 | 3.5 | 2.8 | 2.2 | 1.7 | 1.0 |
| | Median | | | | | 6.0 | | | | | | | | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| FRITZ CREEK | Count | 11 | 11 | 13 | 14 | 12 | 16 | 22 | 18 | 20 | 34 | 30 | 28 | 2 | 5 | 1 | 11 | | | |
| | Pct | 0.7% | 0.7% | 0.8% | 0.9% | 0.7% | 1.0% | 1.4% | 1.3% | 1.4% | 2.4% | 2.1% | 2.0% | 0.1% | 0.4% | 0.1% | 0.8% | | | |
| | Mean | 5.6 | 6.1 | 5.1 | 6.2 | 6.2 | 5.3 | 4.6 | 4.8 | 4.4 | 4.0 | 3.8 | 3.5 | 1.0 | 3.4 | 3.0 | 2.2 | | | |
| | Median | 5.0 | 5.0 | 3.0 | 6.0 | 5.0 | 4.5 | 3.5 | 3.0 | 3.0 | 4.0 | 3.5 | 3.0 | 1.0 | 4.0 | 3.0 | 2.0 | | | |
| FUNTER BAY | Count | | 1 | | | 2 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | 3.0 | | | 2.5 | 1.0 | 3.0 | 2.0 | 1.0 | 3.0 | | | | | | | | | |
| | Median | | 3.0 | | | 2.5 | 1.0 | 3.0 | 2.0 | 1.0 | 3.0 | | | | | | | | | |
| GAKONA | Count | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 5 | 4 | 4 | 4 | 6 | 14 | 7 | 6 | 6 | 11 | 9 | 9 |
| | Pct | 1.4% | 0.9% | 0.9% | 0.9% | 0.9% | 1.4% | 1.9% | 20.0% | 16.0% | 16.0% | 16.0% | 24.0% | 56.0% | 28.0% | 24.0% | 24.0% | 44.0% | | |
| | Mean | 10.7 | 5.5 | 7.5 | 6.5 | 5.5 | 3.3 | 3.5 | 4.8 | 1.3 | 3.5 | 2.3 | 2.2 | 2.4 | 2.3 | 2.3 | 2.8 | 2.0 | 1.3 | 1.0 |
| | Median | 10.0 | 5.5 | 7.5 | 6.5 | 5.5 | 4.0 | 3.5 | 3.0 | 1.0 | 2.5 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| GALENA | Count | 1 | 1 | 1 | 1 | | | 2 | 4 | 2 | 5 | 33 | 27 | 28 | 28 | 20 | 11 | 18 | 35 | 29 |
| | Pct | 0.1% | 0.1% | 0.1% | 0.1% | | | 0.3% | 0.5% | 0.2% | 0.6% | 4.0% | 3.2% | 3.4% | 3.4% | 2.4% | 1.3% | 2.2% | | |
| | Mean | 7.0 | 1.0 | 3.0 | 2.0 | | | 2.0 | 4.0 | 4.0 | 2.0 | 2.4 | 2.3 | 2.0 | 1.9 | 2.4 | 2.7 | 1.8 | 1.4 | 1.0 |
| | Median | 7.0 | 1.0 | 3.0 | 2.0 | | | 2.0 | 3.5 | 4.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 |
| GAMBELL | Count | | | 2 | 2 | | 1 | | | 3 | 6 | 7 | | 2 | | 1 | 1 | | | |
| | Pct | | | 0.3% | 0.3% | | 0.2% | | | 0.6% | 1.1% | 1.3% | | 0.4% | | 0.2% | 0.2% | | | |
| | Mean | | | 1.5 | 1.0 | | 1.0 | | | 1.0 | 1.0 | 1.0 | | 3.0 | | 1.0 | 4.0 | | | |
| | Median | | | 1.5 | 1.0 | | 1.0 | | | 1.0 | 1.0 | 1.0 | | 3.0 | | 1.0 | 4.0 | | | |
| GIG HARBOR | Count | | | | | | | | 1 | | | | | | 2 | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 9.0 | | | | | | 5.0 | | | | | 1.0 |
| | Median | | | | | | | | 9.0 | | | | | | 5.0 | | | | | 1.0 |
| GIRDWOOD | Count | 33 | 29 | 38 | 48 | 38 | 39 | 38 | 41 | 52 | 50 | 52 | 50 | 63 | 55 | 57 | 66 | 62 | 57 | 78 |
| | Pct | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| | Mean | 3.5 | 4.3 | 3.6 | 3.5 | 3.2 | 3.4 | 3.1 | 3.8 | 3.1 | 2.8 | 3.0 | 2.4 | 2.7 | 2.5 | 2.5 | 2.0 | 1.7 | 1.5 | 1.0 |
| | Median | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| GLENNALLEN | Count | 4 | 3 | 3 | 6 | 5 | 6 | 4 | 2 | 9 | 15 | 13 | 11 | 12 | 14 | 22 | 19 | 19 | 16 | 12 |
| | Pct | 0.7% | 0.5% | 0.5% | 1.1% | 0.9% | 1.1% | 0.7% | 0.4% | 2.0% | 3.3% | 2.9% | 2.4% | 2.7% | 3.1% | 4.9% | 4.2% | 4.2% | | |
| | Mean | 2.0 | 1.3 | 3.7 | 3.0 | 3.0 | 3.5 | 5.0 | 8.0 | 4.4 | 3.8 | 3.8 | 2.5 | 3.2 | 3.1 | 1.9 | 2.0 | 1.6 | 1.3 | 1.0 |
| | Median | 2.0 | 1.0 | 4.0 | 2.5 | 3.0 | 1.5 | 3.0 | 8.0 | 4.0 | 3.0 | 3.0 | 1.0 | 2.0 | 2.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| GOLOVIN | Count | 4 | 7 | 4 | 3 | | 6 | 4 | 6 | 1 | 8 | 7 | 7 | | | | | | | |
| | Pct | 2.8% | 4.9% | 2.8% | 2.1% | | 4.2% | 2.8% | 4.7% | 0.8% | 6.3% | 5.5% | 5.5% | | | | | | | |
| | Mean | 1.5 | 1.9 | 2.3 | 3.7 | | 3.3 | 3.5 | 2.3 | 4.0 | 3.9 | 2.6 | 2.3 | | | | | | | |
| | Median | 1.5 | 1.0 | 2.0 | 3.0 | | 2.5 | 3.5 | 1.5 | 4.0 | 3.5 | 3.0 | 2.0 | | | | | | | |
| GOODNEWS BAY | Count | 31 | 26 | 31 | 34 | 27 | 33 | 37 | 54 | 48 | 50 | 56 | 49 | 10 | 10 | 48 | 53 | 63 | 48 | 51 |
| | Pct | 13.5% | 11.3% | 13.5% | 14.8% | 11.7% | 14.3% | 16.1% | 22.4% | 19.9% | 20.7% | 23.2% | 20.3% | 4.1% | 4.1% | 19.9% | 22.0% | 26.1% | | |
| | Mean | 6.9 | 6.9 | 7.0 | 6.8 | 5.9 | 5.6 | 5.7 | 4.7 | 4.8 | 4.0 | 3.4 | 3.2 | 3.3 | 3.1 | 2.9 | 2.7 | 2.0 | 1.6 | 1.0 |
| | Median | 8.0 | 7.0 | 8.0 | 7.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.5 | 3.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| GRAYLING | Count | 1 | 1 | 1 | 2 | 5 | 6 | 6 | 7 | 2 | 3 | 27 | 6 | 23 | 16 | 26 | 22 | 16 | 16 | 15 |
| | Pct | 0.5% | 0.5% | 0.5% | 1.0% | 2.6% | 3.1% | 3.1% | 3.4% | 1.0% | 1.4% | 13.0% | 2.9% | 11.1% | 7.7% | 12.5% | 10.6% | 7.7% | | |
| | Mean | 5.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.0 | 5.0 | 6.7 | 3.0 | 3.0 | 2.5 | 1.7 | 3.3 | 3.1 | 2.3 | 2.0 | 1.6 | 1.4 | 1.0 |
| | Median | 5.0 | 6.0 | 5.0 | 6.0 | 4.0 | 3.5 | 4.5 | 6.0 | 3.0 | 3.0 | 2.0 | 1.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| GUSTAVUS | Count | 16 | 15 | 20 | 8 | 18 | 12 | 17 | 19 | 21 | 27 | 24 | 24 | 23 | 47 | 42 | 47 | 50 | 37 | 24 |
| | Pct | 3.7% | 3.5% | 4.7% | 1.9% | 4.2% | 2.8% | 4.0% | 7.4% | 8.1% | 10.5% | 9.3% | 9.3% | 8.9% | 18.2% | 16.3% | 18.2% | 19.4% | | |
| | Mean | 2.8 | 2.5 | 3.4 | 2.3 | 2.8 | 3.7 | 3.8 | 3.9 | 3.6 | 2.9 | 2.4 | 2.6 | 3.2 | 2.5 | 2.7 | 1.9 | 1.7 | 1.4 | 1.0 |
| | Median | 2.0 | 3.0 | 2.5 | 2.0 | 1.5 | 2.5 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.5 | 3.0 | 2.0 | 2.5 | 2.0 | 1.0 | 1.0 | 1.0 |
| HAINES | Count | 92 | 93 | 99 | 87 | 127 | 141 | 151 | 147 | 143 | 151 | 143 | 148 | 207 | 203 | 228 | 237 | 238 | 224 | 215 |
| | Pct | 5.1% | 5.1% | 5.5% | 4.8% | 7.0% | 7.8% | 8.3% | 11.9% | 11.6% | 12.2% | 11.6% | 12.0% | 16.7% | 16.4% | 18.4% | 19.1% | 19.2% | | |
| | Mean | 4.7 | 4.6 | 4.6 | 4.8 | 3.7 | 3.2 | 3.4 | 3.6 | 3.6 | 2.9 | 2.9 | 2.7 | 2.5 | 2.3 | 2.1 | 1.8 | 1.6 | 1.4 | 1.0 |
| | Median | 3.5 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HALIBUT COVE | Count | 3 | 5 | 2 | 2 | 3 | 2 | 1 | 1 | 3 | 8 | 8 | 6 | 1 | 3 | | 2 | 1 | | 1 |
| | Pct | 8.6% | 14.3% | 5.7% | 5.7% | 8.6% | 5.7% | 2.9% | 1.3% | 3.8% | 10.3% | 10.3% | 7.7% | 1.3% | 3.8% | | 2.6% | 1.3% | | |
| | Mean | 4.7 | 5.4 | 11.0 | 10.0 | 6.3 | 4.0 | 5.0 | 10.0 | 4.0 | 3.5 | 3.5 | 3.0 | 1.0 | 3.3 | | 2.5 | 1.0 | | 1.0 |
| | Median | 2.0 | 1.0 | 11.0 | 10.0 | 7.0 | 4.0 | 5.0 | 10.0 | 2.0 | 2.5 | 2.0 | 1.5 | 1.0 | 4.0 | | 2.5 | 1.0 | | 1.0 |
| HEALY | Count | 3 | 1 | 5 | 1 | 4 | 2 | 4 | 3 | | 3 | 3 | 2 | 4 | 3 | 5 | 5 | 7 | 7 | 7 |
| | Pct | 0.3% | 0.1% | 0.5% | 0.1% | 0.4% | 0.2% | 0.4% | 0.6% | | 0.6% | 0.6% | 0.4% | 0.8% | 0.6% | 1.0% | 1.0% | 1.4% | | |
| | Mean | 5.0 | 7.0 | 3.0 | 2.0 | 3.8 | 2.0 | 1.3 | 1.0 | | 4.3 | 3.3 | 4.0 | 2.3 | 3.3 | 1.8 | 2.0 | 1.3 | 1.0 | 1.0 |
| | Median | 5.0 | 7.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | | 2.0 | 1.0 | 4.0 | 1.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| HOBART BAY | Count | | | | | 1 | | 1 | | | | | | | | | | | | 1 |
| | Pct | | | | | 33.3% | | 33.3% | | | | | | | | | | | | |
| | Mean | | | | | 1.0 | | 2.0 | | | | | | | | | | | | 1.0 |
| | Median | | | | | 1.0 | | 2.0 | | | | | | | | | | | | 1.0 |
| HOLLIS | Count | 1 | | 1 | | 2 | | | | 3 | 1 | 1 | | 1 | | | 1 | 1 | | |
| | Pct | 0.7% | | 0.7% | | 1.4% | | | | 2.7% | 0.9% | 0.9% | | 0.9% | | | 0.9% | 0.9% | | |
| | Mean | 9.0 | | 6.0 | | 1.5 | | | | 2.0 | 2.0 | 1.0 | | 1.0 | | | 1.0 | 1.0 | | |
| | Median | 9.0 | | 6.0 | | 1.5 | | | | 2.0 | 2.0 | 1.0 | | 1.0 | | | 1.0 | 1.0 | | |
| HOLY CROSS | Count | 4 | 9 | 6 | 7 | 2 | | 6 | 16 | 7 | 9 | 31 | 25 | 23 | 31 | 32 | 37 | 32 | 32 | 23 |
| | Pct | 1.8% | 4.0% | 2.6% | 3.1% | 0.9% | | 2.6% | 5.8% | 2.5% | 3.2% | 11.2% | 9.0% | 8.3% | 11.2% | 11.6% | 13.4% | 11.6% | | |
| | Mean | 3.0 | 4.2 | 2.5 | 4.4 | 1.5 | | 5.2 | 4.5 | 6.1 | 3.8 | 3.6 | 4.0 | 4.1 | 3.4 | 2.4 | 2.2 | 1.8 | 1.6 | 1.0 |
| | Median | 2.5 | 3.0 | 2.0 | 4.0 | 1.5 | | 5.5 | 4.5 | 4.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| HOMER | Count | 557 | 582 | 591 | 551 | 551 | 657 | 728 | 755 | 693 | 772 | 817 | 895 | 1,041 | 1,025 | 1,110 | 1,150 | 1,287 | 1,235 | 1,139 |
| | Pct | 14.1% | 14.7% | 15.0% | 14.0% | 14.0% | 16.6% | 18.4% | 20.6% | 18.9% | 21.1% | 22.3% | 24.5% | 28.4% | 28.0% | 30.3% | 31.4% | 35.2% | | |
| | Mean | 5.1 | 5.2 | 4.9 | 5.1 | 4.9 | 4.4 | 4.3 | 4.2 | 4.2 | 3.6 | 3.5 | 3.2 | 3.2 | 2.9 | 2.7 | 2.3 | 1.8 | 1.4 | 1.0 |
| | Median | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| HOONAH | Count | 87 | 77 | 88 | 77 | 82 | 100 | 111 | 118 | 104 | 120 | 132 | 139 | 188 | 179 | 197 | 197 | 208 | 211 | 140 |
| | Pct | 10.1% | 9.0% | 10.2% | 9.0% | 9.5% | 11.6% | 12.9% | 14.8% | 13.1% | 15.1% | 16.6% | 17.5% | 23.6% | 22.5% | 24.8% | 24.8% | 26.2% | | |
| | Mean | 6.9 | 7.1 | 6.4 | 6.9 | 6.5 | 5.9 | 5.6 | 5.6 | 5.1 | 4.4 | 3.7 | 3.6 | 3.5 | 3.4 | 2.8 | 2.4 | 1.9 | 1.4 | 1.0 |
| | Median | 5.0 | 6.0 | 5.0 | 6.0 | 7.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| HOOPER BAY | Count | 10 | 13 | 7 | 38 | 51 | 44 | 81 | 95 | 73 | 91 | 101 | 70 | 75 | 58 | 113 | 71 | 39 | 139 | 131 |
| | Pct | 1.0% | 1.3% | 0.7% | 3.7% | 5.0% | 4.3% | 8.0% | 11.2% | 8.6% | 10.8% | 12.0% | 8.3% | 8.9% | 6.9% | 13.4% | 8.4% | 4.6% | | |
| | Mean | 4.9 | 5.0 | 4.6 | 4.1 | 6.1 | 7.0 | 5.6 | 4.9 | 4.7 | 4.4 | 3.8 | 3.8 | 3.9 | 3.4 | 2.6 | 2.3 | 2.3 | 1.7 | 1.0 |
| | Median | 4.0 | 4.0 | 3.0 | 3.5 | 5.0 | 8.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| HOPE | Count | | | 2 | 1 | | 1 | 2 | 3 | 3 | 2 | 7 | 2 | 7 | 8 | 3 | 8 | 7 | 10 | 6 |
| | Pct | | | 1.5% | 0.7% | | 0.7% | 1.5% | 1.9% | 1.9% | 1.2% | 4.3% | 1.2% | 4.3% | 5.0% | 1.9% | 5.0% | 4.3% | | |
| | Mean | | | 1.0 | 1.0 | | 1.0 | 3.0 | 2.3 | 2.7 | 3.5 | 2.4 | 4.0 | 3.1 | 1.8 | 4.3 | 1.4 | 2.0 | 1.4 | 1.0 |
| | Median | | | 1.0 | 1.0 | | 1.0 | 3.0 | 1.0 | 2.0 | 3.5 | 1.0 | 4.0 | 3.0 | 1.0 | 5.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| HOUSTON | Count | | 4 | 3 | 3 | 2 | 7 | 6 | 2 | 3 | 3 | 5 | 4 | 8 | 9 | 6 | 9 | 13 | 10 | 5 |
| | Pct | | 0.3% | 0.2% | 0.2% | 0.2% | 0.6% | 0.5% | 0.3% | 0.4% | 0.4% | 0.7% | 0.6% | 1.1% | 1.3% | 0.9% | 1.3% | 1.9% | | |
| | Mean | | 1.3 | 5.7 | 1.0 | 2.0 | 2.7 | 4.7 | 3.5 | 3.3 | 5.7 | 4.0 | 5.0 | 4.9 | 3.7 | 3.3 | 2.7 | 2.1 | 1.4 | 1.0 |
| | Median | | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 4.5 | 3.5 | 1.0 | 6.0 | 2.0 | 5.5 | 5.5 | 4.0 | 3.5 | 3.0 | 2.0 | 1.0 | 1.0 |
| HUGHES | Count | | | | | | | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 |
| | Pct | | | | | | | | | | | 1.9% | 1.9% | | | 1.9% | 1.9% | 1.9% | | |
| | Mean | | | | | | | | | | | 1.0 | 1.0 | | | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| | Median | | | | | | | | | | | 1.0 | 1.0 | | | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 |
| HUSLIA | Count | 1 | | | | 1 | | | 1 | | | 7 | 6 | 2 | 4 | 1 | 1 | 5 | 12 | 5 |
| | Pct | 0.3% | | | | 0.3% | | | 0.5% | | | 3.4% | 2.9% | 1.0% | 1.9% | 0.5% | 0.5% | 2.4% | | |
| | Mean | 2.0 | | | | 2.0 | | | 4.0 | | | 1.9 | 1.0 | 2.0 | 2.3 | 2.0 | 1.0 | 1.0 | 1.1 | 1.0 |
| | Median | 2.0 | | | | 2.0 | | | 4.0 | | | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| HYDABURG | Count | 34 | 32 | 27 | 28 | 33 | 42 | 42 | 51 | 30 | 23 | 33 | 43 | 64 | 59 | 86 | 89 | 85 | 84 | 63 |
| | Pct | 8.9% | 8.4% | 7.1% | 7.3% | 8.6% | 11.0% | 11.0% | 13.3% | 7.8% | 6.0% | 8.6% | 11.2% | 16.7% | 15.4% | 22.4% | 23.2% | 22.1% | | |
| | Mean | 5.3 | 5.2 | 5.7 | 5.1 | 4.2 | 4.3 | 4.6 | 4.5 | 5.0 | 3.7 | 4.5 | 4.3 | 3.8 | 3.6 | 3.1 | 2.4 | 1.9 | 1.4 | 1.0 |
| | Median | 4.5 | 4.0 | 4.0 | 4.0 | 3.0 | 3.5 | 4.5 | 5.0 | 4.5 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| HYDER | Count | 4 | 4 | 4 | 6 | 5 | 6 | 4 | 6 | 7 | 6 | 6 | 7 | 6 | 9 | 8 | 8 | 5 | 1 | 6 |
| | Pct | 4.1% | 4.1% | 4.1% | 6.2% | 5.2% | 6.2% | 4.1% | 6.1% | 7.1% | 6.1% | 6.1% | 7.1% | 6.1% | 9.1% | 8.1% | 8.1% | 5.1% | | |
| | Mean | 4.5 | 4.5 | 3.5 | 3.0 | 2.6 | 2.5 | 3.0 | 2.3 | 3.1 | 2.2 | 1.7 | 1.6 | 2.2 | 2.2 | 2.1 | 2.0 | 1.6 | 1.0 | 1.0 |
| | Median | 3.0 | 3.5 | 2.0 | 2.0 | 1.0 | 1.5 | 2.5 | 1.5 | 3.0 | 1.5 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| IGIUGIG | Count | 2 | 3 | | 1 | 2 | 3 | 8 | 7 | 6 | 5 | 5 | 7 | 1 | | | | | | 1 |
| | Pct | 3.8% | 5.7% | | 1.9% | 3.8% | 5.7% | 15.1% | 21.2% | 18.2% | 15.2% | 15.2% | 21.2% | 3.0% | | | | | | |
| | Mean | 7.0 | 4.3 | | 5.0 | 8.0 | 6.0 | 6.8 | 5.4 | 3.5 | 2.4 | 5.2 | 3.9 | 4.0 | | | | | | 1.0 |
| | Median | 7.0 | 2.0 | | 5.0 | 8.0 | 6.0 | 7.0 | 4.0 | 3.0 | 2.0 | 6.0 | 4.0 | 4.0 | | | | | | 1.0 |
| ILIAMNA | Count | 18 | 21 | 24 | 28 | 22 | 35 | 44 | 66 | 43 | 53 | 60 | 64 | 93 | 86 | 93 | 88 | 92 | 96 | 91 |
| | Pct | 17.6% | 20.6% | 23.5% | 27.5% | 21.6% | 34.3% | 43.1% | 70.2% | 45.7% | 56.4% | 63.8% | 68.1% | 98.9% | 91.5% | 98.9% | 93.6% | 97.9% | | |
| | Mean | 9.2 | 7.8 | 7.3 | 7.0 | 6.4 | 6.9 | 6.8 | 5.7 | 6.5 | 5.2 | 4.2 | 4.9 | 4.4 | 4.0 | 3.2 | 2.8 | 2.2 | 1.6 | 1.0 |
| | Median | 9.0 | 8.0 | 6.5 | 5.0 | 5.0 | 8.0 | 7.5 | 6.0 | 7.0 | 5.0 | 4.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| INDIAN | Count | 2 | 2 | 3 | 3 | 2 | | 2 | 2 | 1 | 2 | 3 | 3 | | | | 1 | | | |
| | Pct | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | | | 0.0% | | | |
| | Mean | 4.0 | 1.5 | 1.7 | 1.0 | 1.0 | | 4.5 | 3.0 | 1.0 | 3.5 | 3.7 | 2.7 | | | | 1.0 | | | |
| | Median | 4.0 | 1.5 | 2.0 | 1.0 | 1.0 | | 4.5 | 3.0 | 1.0 | 3.5 | 4.0 | 3.0 | | | | 1.0 | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| IVANOF BAY | Count | | | | | 2 | 3 | 8 | 10 | 8 | 9 | 13 | 13 | 1 | | | 3 | | | |
| | Pct | | | | | 9.1% | 13.6% | 36.4% | 28.6% | 22.9% | 25.7% | 37.1% | 37.1% | 2.9% | | | 8.6% | | | |
| | Mean | | | | | 5.5 | 7.7 | 8.0 | 6.9 | 5.6 | 5.4 | 3.7 | 3.0 | 6.0 | | | 2.0 | | | |
| | Median | | | | | 5.5 | 9.0 | 8.5 | 7.5 | 5.5 | 6.0 | 3.0 | 2.0 | 6.0 | | | 2.0 | | | |
| JUNEAU | Count | 337 | 316 | 352 | 314 | 294 | 373 | 380 | 378 | 398 | 455 | 417 | 461 | 682 | 712 | 752 | 764 | 719 | 772 | 803 |
| | Pct | 1.1% | 1.0% | 1.1% | 1.0% | 1.0% | 1.2% | 1.2% | 1.4% | 1.5% | 1.7% | 1.6% | 1.7% | 2.5% | 2.7% | 2.8% | 2.9% | 2.7% | | |
| | Mean | 4.5 | 4.8 | 4.6 | 5.0 | 5.0 | 4.2 | 4.3 | 4.0 | 3.9 | 3.4 | 3.5 | 3.2 | 2.9 | 2.7 | 2.3 | 2.1 | 1.8 | 1.4 | 1.0 |
| | Median | 3.0 | 3.0 | 2.5 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KAKE | Count | 40 | 41 | 49 | 72 | 56 | 59 | 70 | 67 | 85 | 80 | 87 | 98 | 139 | 138 | 131 | 141 | 130 | 132 | 112 |
| | Pct | 5.6% | 5.8% | 6.9% | 10.1% | 7.9% | 8.3% | 9.9% | 9.6% | 12.1% | 11.4% | 12.4% | 14.0% | 19.9% | 19.7% | 18.7% | 20.1% | 18.6% | | |
| | Mean | 6.7 | 6.9 | 6.3 | 5.6 | 5.5 | 5.0 | 5.2 | 5.2 | 4.6 | 3.9 | 4.3 | 3.4 | 3.3 | 3.1 | 2.7 | 2.4 | 2.0 | 1.5 | 1.0 |
| | Median | 6.0 | 6.0 | 6.0 | 5.0 | 4.5 | 4.0 | 4.0 | 5.0 | 4.0 | 3.0 | 4.0 | 2.5 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| KAKTOVIK | Count | | 1 | | | | | | | | | | | | | | | | | |
| | Pct | | 0.3% | | | | | | | | | | | | | | | | | |
| | Mean | | 1.0 | | | | | | | | | | | | | | | | | |
| | Median | | 1.0 | | | | | | | | | | | | | | | | | |
| KALSKAG | Count | 1 | | 2 | | 3 | 2 | 2 | 7 | 5 | 10 | 14 | 16 | 16 | 9 | 27 | 26 | 18 | 17 | 19 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 1.0 | | 2.0 | | 5.3 | 3.5 | 5.5 | 3.6 | 3.2 | 3.2 | 2.7 | 3.3 | 3.8 | 3.7 | 2.7 | 2.3 | 1.7 | 1.4 | 1.0 |
| | Median | 1.0 | | 2.0 | | 7.0 | 3.5 | 5.5 | 2.0 | 3.0 | 2.0 | 1.5 | 3.0 | 3.5 | 4.0 | 3.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| KALTAG | Count | | | | | | | | | 2 | | 43 | 32 | 28 | 36 | 45 | 23 | 44 | 48 | 44 |
| | Pct | | | | | | | | | 0.8% | | 17.9% | 13.3% | 11.7% | 15.0% | 18.8% | 9.6% | 18.3% | | |
| | Mean | | | | | | | | | 1.5 | | 2.6 | 2.3 | 3.3 | 2.9 | 2.4 | 2.7 | 2.0 | 1.4 | 1.0 |
| | Median | | | | | | | | | 1.5 | | 1.0 | 1.0 | 3.5 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| KAPAKIAK | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 3.0 | | |
| | Median | | | | | | | | | | | | | | | | | 3.0 | | |
| KARLUK | Count | 1 | 2 | 2 | 2 | 1 | 4 | 5 | 5 | 3 | 5 | 1 | 5 | 10 | 13 | 9 | 7 | 7 | 10 | 16 |
| | Pct | 3.7% | 7.4% | 7.4% | 7.4% | 3.7% | 14.8% | 18.5% | 7.0% | 4.2% | 7.0% | 1.4% | 7.0% | 14.1% | 18.3% | 12.7% | 9.9% | 9.9% | | |
| | Mean | 8.0 | 9.5 | 10.5 | 7.0 | 10.0 | 6.0 | 6.4 | 5.0 | 2.7 | 2.8 | 6.0 | 5.6 | 3.6 | 2.5 | 2.4 | 2.4 | 1.9 | 1.8 | 1.0 |
| | Median | 8.0 | 9.5 | 10.5 | 7.0 | 10.0 | 7.0 | 6.0 | 5.0 | 2.0 | 1.0 | 6.0 | 5.0 | 3.5 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| KASAAN | Count | | 1 | | 2 | 2 | 3 | | 2 | 2 | 4 | 5 | 5 | 2 | 3 | 1 | | 3 | 2 | 6 |
| | Pct | | 2.6% | | 5.1% | 5.1% | 7.7% | | 3.7% | 3.7% | 7.4% | 9.3% | 9.3% | 3.7% | 5.6% | 1.9% | | 5.6% | | |
| | Mean | | 18.0 | | 1.5 | 1.0 | 5.7 | | 6.5 | 6.0 | 5.8 | 4.2 | 5.0 | 4.0 | 3.3 | 5.0 | | 1.7 | 1.5 | 1.0 |
| | Median | | 18.0 | | 1.5 | 1.0 | 5.0 | | 6.5 | 6.0 | 6.5 | 5.0 | 5.0 | 4.0 | 3.0 | 5.0 | | 1.0 | 1.5 | 1.0 |
| KASIGLUK | Count | 2 | 32 | 25 | 23 | 27 | 40 | 51 | 53 | 65 | 58 | 70 | 76 | 75 | 74 | 73 | 83 | 71 | 77 | 69 |
| | Pct | 0.4% | 5.9% | 4.6% | 4.2% | 5.0% | 7.4% | 9.4% | 12.5% | 15.3% | 13.6% | 16.5% | 17.9% | 17.6% | 17.4% | 17.2% | 19.5% | 16.7% | | |
| | Mean | 3.0 | 6.6 | 6.9 | 6.9 | 6.4 | 7.0 | 5.9 | 6.2 | 6.0 | 5.9 | 5.4 | 4.6 | 4.5 | 4.1 | 3.6 | 3.0 | 2.3 | 1.6 | 1.0 |
| | Median | 3.0 | 5.5 | 6.0 | 7.0 | 6.0 | 6.0 | 5.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| KASILOF | Count | 109 | 103 | 121 | 111 | 92 | 105 | 142 | 139 | 153 | 153 | 154 | 179 | 200 | 209 | 135 | 163 | 195 | 141 | 157 |
| | Pct | 23.1% | 21.9% | 25.7% | 23.6% | 19.5% | 22.3% | 30.1% | 36.3% | 39.9% | 39.9% | 40.2% | 46.7% | 52.2% | 54.6% | 35.2% | 42.6% | 50.9% | | |
| | Mean | 5.6 | 5.1 | 4.3 | 4.5 | 4.4 | 4.4 | 4.3 | 4.1 | 3.9 | 3.5 | 3.4 | 3.3 | 2.7 | 2.5 | 2.4 | 2.0 | 1.8 | 1.5 | 1.0 |
| | Median | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KENAI | Count | 265 | 339 | 335 | 268 | 245 | 241 | 264 | 296 | 295 | 350 | 381 | 403 | 467 | 431 | 518 | 511 | 592 | 560 | 630 |
| | Pct | 3.8% | 4.9% | 4.8% | 3.9% | 3.5% | 3.5% | 3.8% | 4.7% | 4.7% | 5.5% | 6.0% | 6.4% | 7.4% | 6.8% | 8.2% | 8.1% | 9.4% | | |
| | Mean | 5.0 | 4.5 | 4.6 | 4.9 | 4.6 | 4.2 | 4.5 | 4.1 | 3.9 | 3.6 | 3.2 | 3.0 | 2.7 | 2.8 | 2.4 | 2.2 | 1.8 | 1.4 | 1.0 |
| | Median | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KENNICOTT | Count | 1 | | | | 1 | | | | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 10.0 | | | | 15.0 | | | | | | | | | | | | | | |
| | Median | 10.0 | | | | 15.0 | | | | | | | | | | | | | | |
| KENNY LAKE | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| KETCHIKAN | Count | 278 | 275 | 289 | 313 | 347 | 385 | 407 | 427 | 447 | 485 | 534 | 532 | 657 | 662 | 697 | 769 | 753 | 774 | 743 |
| | Pct | 3.5% | 3.5% | 3.6% | 4.0% | 4.4% | 4.9% | 5.1% | 5.2% | 5.4% | 5.9% | 6.5% | 6.4% | 8.0% | 8.0% | 8.4% | 9.3% | 9.1% | | |
| | Mean | 5.7 | 5.4 | 5.7 | 5.1 | 5.0 | 4.5 | 4.8 | 4.4 | 4.2 | 3.6 | 3.2 | 2.9 | 3.0 | 2.8 | 2.5 | 2.2 | 1.9 | 1.4 | 1.0 |
| | Median | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KIANA | Count | | | 2 | | | 1 | | | | | | | 1 | | 6 | 4 | 3 | 5 | 8 |
| | Pct | | | 0.5% | | | 0.3% | | | | | | | 0.3% | | 1.6% | 1.0% | 0.8% | | |
| | Mean | | | 1.5 | | | 1.0 | | | | | | | 7.0 | | 1.7 | 2.5 | 2.7 | 1.2 | 1.0 |
| | Median | | | 1.5 | | | 1.0 | | | | | | | 7.0 | | 1.5 | 2.5 | 3.0 | 1.0 | 1.0 |
| KING COVE | Count | 128 | 126 | 126 | 126 | 119 | 143 | 173 | 161 | 168 | 158 | 183 | 192 | 189 | 192 | 175 | 181 | 160 | 140 | 95 |
| | Pct | 16.2% | 15.9% | 15.9% | 15.9% | 15.0% | 18.1% | 21.8% | 35.7% | 37.3% | 35.0% | 40.6% | 42.6% | 41.9% | 42.6% | 38.8% | 40.1% | 35.5% | | |
| | Mean | 10.2 | 9.1 | 9.8 | 9.3 | 8.9 | 7.6 | 6.8 | 6.8 | 6.1 | 5.7 | 4.3 | 4.0 | 4.0 | 3.6 | 3.1 | 2.5 | 2.1 | 1.5 | 1.0 |
| | Median | 11.0 | 9.5 | 10.0 | 10.0 | 10.0 | 8.0 | 7.0 | 7.0 | 6.5 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| KING KING | Count | | | | | | | | | 1 | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 7.0 | | | | | | | | | | |
| | Median | | | | | | | | | 7.0 | | | | | | | | | | |
| KING SALMON | Count | 44 | 55 | 50 | 49 | 51 | 52 | 67 | 50 | 52 | 61 | 49 | 52 | 47 | 50 | 57 | 58 | 66 | 48 | 62 |
| | Pct | 10.0% | 12.4% | 11.3% | 11.1% | 11.5% | 11.8% | 15.2% | 7.2% | 7.5% | 8.8% | 7.0% | 7.5% | 6.8% | 7.2% | 8.2% | 8.3% | 9.5% | | |
| | Mean | 4.9 | 5.3 | 5.2 | 5.9 | 4.9 | 3.7 | 4.7 | 4.4 | 4.5 | 4.3 | 3.3 | 3.1 | 3.4 | 2.8 | 2.7 | 2.3 | 1.8 | 1.5 | 1.0 |
| | Median | 3.5 | 5.0 | 4.5 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.5 | 4.0 | 2.0 | 2.5 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| KINICHIK | Count | | | | | | | | | | | | | | | | | | 1 | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | 2.0 | |
| | Median | | | | | | | | | | | | | | | | | | 2.0 | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| KIPNUK | Count | 21 | 32 | 32 | 36 | 51 | 47 | 81 | 113 | 101 | 98 | 105 | 76 | 86 | 85 | 90 | 85 | 79 | 89 | 89 |
| | Pct | 3.3% | 5.0% | 5.0% | 5.6% | 7.9% | 7.3% | 12.6% | 24.0% | 21.5% | 20.9% | 22.3% | 16.2% | 18.3% | 18.1% | 19.1% | 18.1% | 16.8% | | |
| | Mean | 5.8 | 6.4 | 5.2 | 5.5 | 5.7 | 5.6 | 5.9 | 4.8 | 4.3 | 3.9 | 3.7 | 3.7 | 3.9 | 3.5 | 3.1 | 2.5 | 2.1 | 1.6 | 1.0 |
| | Median | 4.0 | 5.5 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| KIVALINA | Count | 2 | 4 | 3 | | | 2 | 2 | | 2 | 2 | 2 | 1 | 4 | 1 | 12 | 11 | 8 | 14 | 8 |
| | Pct | 0.5% | 1.1% | 0.8% | | | 0.5% | 0.5% | | 0.6% | 0.6% | 0.6% | 0.3% | 1.3% | 0.3% | 3.8% | 3.5% | 2.5% | | |
| | Mean | 4.0 | 3.8 | 4.3 | | | 3.5 | 4.5 | | 5.5 | 4.5 | 4.0 | 7.0 | 2.0 | 1.0 | 2.9 | 2.3 | 2.0 | 1.4 | 1.0 |
| | Median | 4.0 | 3.0 | 5.0 | | | 3.5 | 4.5 | | 5.5 | 4.5 | 4.0 | 7.0 | 1.5 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KLAWOCK | Count | 39 | 36 | 51 | 30 | 27 | 37 | 24 | 32 | 29 | 27 | 41 | 46 | 47 | 51 | 79 | 74 | 68 | 82 | 71 |
| | Pct | 4.6% | 4.2% | 6.0% | 3.5% | 3.2% | 4.3% | 2.8% | 4.4% | 4.0% | 3.7% | 5.7% | 6.4% | 6.5% | 7.1% | 10.9% | 10.2% | 9.4% | | |
| | Mean | 4.6 | 4.3 | 4.5 | 4.3 | 4.5 | 3.6 | 4.5 | 4.9 | 4.0 | 3.3 | 3.2 | 2.2 | 2.4 | 2.5 | 2.3 | 2.1 | 1.6 | 1.4 | 1.0 |
| | Median | 3.0 | 3.5 | 4.0 | 3.0 | 3.0 | 2.0 | 4.5 | 5.0 | 4.0 | 3.0 | 3.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| KOBUK | Count | 1 | 1 | | | | | | 1 | 1 | | | 2 | 2 | | | | 2 | 1 | |
| | Pct | 0.9% | 0.9% | | | | | | 1.4% | 1.4% | | | 2.9% | 2.9% | | | | 2.9% | | |
| | Mean | 4.0 | 3.0 | | | | | | 1.0 | 3.0 | | | 3.0 | 3.0 | | | | 2.5 | 1.0 | |
| | Median | 4.0 | 3.0 | | | | | | 1.0 | 3.0 | | | 3.0 | 3.0 | | | | 2.5 | 1.0 | |
| KODIAK | Count | 796 | 797 | 817 | 833 | 880 | 1,047 | 1,141 | 1,136 | 1,046 | 1,240 | 1,319 | 1,448 | 1,691 | 1,728 | 1,879 | 1,983 | 2,115 | 1,739 | 1,703 |
| | Pct | 12.6% | 12.6% | 12.9% | 13.2% | 13.9% | 16.5% | 18.0% | 17.8% | 16.4% | 19.5% | 20.7% | 22.7% | 26.6% | 27.1% | 29.5% | 31.2% | 33.2% | | |
| | Mean | 6.8 | 6.7 | 6.7 | 6.3 | 6.1 | 5.5 | 5.3 | 5.1 | 4.9 | 4.1 | 3.8 | 3.6 | 3.4 | 3.1 | 2.7 | 2.3 | 1.8 | 1.4 | 1.0 |
| | Median | 5.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KOKHANOK | Count | 13 | 24 | 16 | 24 | 18 | 20 | 32 | 28 | 27 | 24 | 21 | 24 | | 3 | | | | 1 | 1 |
| | Pct | 7.5% | 13.8% | 9.2% | 13.8% | 10.3% | 11.5% | 18.4% | 18.4% | 17.8% | 15.8% | 13.8% | 15.8% | | 2.0% | | | | | |
| | Mean | 8.0 | 7.1 | 8.4 | 8.3 | 6.6 | 6.8 | 5.9 | 5.8 | 5.8 | 5.5 | 4.4 | 3.6 | | 4.7 | | | | 2.0 | 1.0 |
| | Median | 8.0 | 7.0 | 8.0 | 8.0 | 5.5 | 7.0 | 6.0 | 5.5 | 5.0 | 4.5 | 3.0 | 2.5 | | 4.0 | | | | 2.0 | 1.0 |
| KOLIGANEK | Count | 31 | 35 | 37 | 27 | 27 | 29 | 37 | 38 | 29 | 34 | 42 | 37 | | 2 | 1 | | | 1 | 2 |
| | Pct | 17.0% | 19.2% | 20.3% | 14.8% | 14.8% | 15.9% | 20.3% | 21.0% | 16.0% | 18.8% | 23.2% | 20.4% | | 1.1% | 0.6% | | | | |
| | Mean | 7.3 | 7.0 | 5.3 | 6.0 | 6.6 | 5.1 | 5.7 | 4.9 | 5.5 | 4.3 | 4.3 | 3.8 | | 4.0 | 4.0 | | | 1.0 | 1.0 |
| | Median | 7.0 | 6.0 | 4.0 | 5.0 | 7.0 | 5.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | | 4.0 | 4.0 | | | 1.0 | 1.0 |
| KONGIGANAK | Count | 16 | 25 | 17 | 6 | 14 | 24 | 35 | 34 | 33 | 33 | 45 | 40 | 2 | 1 | | | | 8 | 1 |
| | Pct | 4.5% | 7.0% | 4.7% | 1.7% | 3.9% | 6.7% | 9.7% | 11.6% | 11.2% | 11.2% | 15.3% | 13.6% | 0.7% | 0.3% | | | | | |
| | Mean | 5.0 | 6.0 | 5.4 | 3.8 | 5.2 | 6.4 | 5.9 | 5.0 | 5.4 | 4.7 | 4.4 | 4.2 | 5.5 | 3.0 | | | | 1.4 | 1.0 |
| | Median | 3.0 | 4.0 | 3.0 | 3.5 | 4.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.5 | 3.0 | | | | 1.0 | 1.0 |
| KOTLIK | Count | 1 | 67 | 87 | 84 | 54 | 16 | 92 | 106 | 107 | 109 | 104 | 95 | 96 | 97 | 82 | 109 | 114 | 101 | 96 |
| | Pct | 0.2% | 11.3% | 14.7% | 14.2% | 9.1% | 2.7% | 15.6% | 23.0% | 23.2% | 23.6% | 22.6% | 20.6% | 20.8% | 21.0% | 17.8% | 23.6% | 24.7% | | |
| | Mean | 9.0 | 6.2 | 5.4 | 5.4 | 5.4 | 7.1 | 5.5 | 5.4 | 4.8 | 4.2 | 4.5 | 4.1 | 4.0 | 3.7 | 3.4 | 2.7 | 2.1 | 1.5 | 1.0 |
| | Median | 9.0 | 5.0 | 4.0 | 4.5 | 5.0 | 6.5 | 5.0 | 4.5 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| KOTZEBUE | Count | 56 | 51 | 55 | 3 | 2 | 85 | 84 | 73 | 51 | 79 | 57 | 115 | 140 | 151 | 203 | 203 | 215 | 227 | 329 |
| | Pct | 1.8% | 1.7% | 1.8% | 0.1% | 0.1% | 2.8% | 2.7% | 2.7% | 1.9% | 2.9% | 2.1% | 4.2% | 5.1% | 5.5% | 7.4% | 7.4% | 7.8% | | |
| | Mean | 4.3 | 4.3 | 3.6 | 2.0 | 2.0 | 3.5 | 4.0 | 4.0 | 4.8 | 3.6 | 3.9 | 2.9 | 3.4 | 3.1 | 2.7 | 2.3 | 1.9 | 1.5 | 1.0 |
| | Median | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 5.0 | 3.0 | 4.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| KOYUK | Count | 3 | 4 | 1 | 1 | | | 7 | 2 | | 6 | 14 | 6 | 13 | 15 | 5 | 29 | 24 | 15 | 34 |
| | Pct | 1.0% | 1.3% | 0.3% | 0.3% | | | 2.4% | 0.9% | | 2.6% | 6.1% | 2.6% | 5.6% | 6.5% | 2.2% | 12.6% | 10.4% | | |
| | Mean | 3.0 | 1.8 | 12.0 | 11.0 | | | 2.9 | 5.0 | | 2.3 | 2.5 | 2.5 | 2.8 | 2.1 | 2.8 | 1.9 | 1.6 | 1.5 | 1.0 |
| | Median | 2.0 | 1.0 | 12.0 | 11.0 | | | 3.0 | 5.0 | | 1.5 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| KOYUKUK | Count | | | | | | | 1 | 3 | | 3 | 8 | 10 | 8 | 4 | 6 | 4 | 8 | 23 | 14 |
| | Pct | | | | | | | 1.0% | 2.4% | | 2.4% | 6.3% | 7.9% | 6.3% | 3.2% | 4.8% | 3.2% | 6.3% | | |
| | Mean | | | | | | | 1.0 | 6.0 | | 4.7 | 2.8 | 2.6 | 2.1 | 4.0 | 3.5 | 2.5 | 2.5 | 1.4 | 1.0 |
| | Median | | | | | | | 1.0 | 6.0 | | 5.0 | 1.5 | 1.5 | 1.5 | 4.5 | 3.5 | 2.5 | 2.5 | 1.0 | 1.0 |
| KUCTHLUK | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| KWETHLUK | Count | 30 | 27 | 21 | 25 | 29 | 46 | 56 | 63 | 81 | 68 | 93 | 107 | 105 | 97 | 90 | 100 | 109 | 77 | 93 |
| | Pct | 4.2% | 3.8% | 2.9% | 3.5% | 4.1% | 6.5% | 7.9% | 11.3% | 14.5% | 12.2% | 16.7% | 19.2% | 18.8% | 17.4% | 16.1% | 17.9% | 19.5% | | |
| | Mean | 5.9 | 7.4 | 7.5 | 7.2 | 6.0 | 6.0 | 6.5 | 6.2 | 5.2 | 4.9 | 4.6 | 4.2 | 3.9 | 3.7 | 3.3 | 2.6 | 2.1 | 1.6 | 1.0 |
| | Median | 5.0 | 8.0 | 8.0 | 8.0 | 5.0 | 5.5 | 6.5 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| KWIGILLINGOK | Count | 14 | 12 | 7 | 9 | 12 | 17 | 26 | 35 | 37 | 36 | 48 | 45 | 46 | 41 | 45 | 36 | 26 | 30 | 35 |
| | Pct | 4.1% | 3.6% | 2.1% | 2.7% | 3.6% | 5.0% | 7.7% | 12.6% | 13.3% | 12.9% | 17.3% | 16.2% | 16.5% | 14.7% | 16.2% | 12.9% | 9.4% | | |
| | Mean | 7.7 | 6.6 | 6.1 | 5.6 | 4.5 | 5.4 | 5.4 | 4.9 | 4.9 | 3.8 | 4.0 | 3.6 | 3.6 | 3.3 | 2.6 | 2.2 | 2.1 | 1.6 | 1.0 |
| | Median | 7.0 | 5.5 | 7.0 | 4.0 | 4.5 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| LAKE LOUISE | Count | | | | | | | | 1 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 5.0 | | | | | | | | | | | |
| | Median | | | | | | | | 5.0 | | | | | | | | | | | |
| LAKE MINCHUMINA | Count | | | | | | | | 1 | | 1 | | | | 1 | 2 | 1 | | | |
| | Pct | | | | | | | | 3.1% | | 3.1% | | | | 3.1% | 6.3% | 3.1% | | | |
| | Mean | | | | | | | | 1.0 | | 1.0 | | | | 3.0 | 1.5 | 1.0 | | | |
| | Median | | | | | | | | 1.0 | | 1.0 | | | | 3.0 | 1.5 | 1.0 | | | |
| LARSEN BAY | Count | 13 | 24 | 23 | 22 | 17 | 30 | 28 | 30 | 41 | 45 | 50 | 44 | 56 | 55 | 51 | 54 | 58 | 34 | 47 |
| | Pct | 11.3% | 20.9% | 20.0% | 19.1% | 14.8% | 26.1% | 24.3% | 20.4% | 27.9% | 30.6% | 34.0% | 29.9% | 38.1% | 37.4% | 34.7% | 36.7% | 39.5% | | |
| | Mean | 7.1 | 5.9 | 5.1 | 7.1 | 6.8 | 5.5 | 5.9 | 6.7 | 5.5 | 4.3 | 4.0 | 4.0 | 3.5 | 3.4 | 3.1 | 2.6 | 2.1 | 1.5 | 1.0 |
| | Median | 5.0 | 4.0 | 3.0 | 6.0 | 6.0 | 3.5 | 6.0 | 7.0 | 5.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| LATOUCHE | Count | | | | | | | | | 1 | 1 | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 2.0 | 1.0 | | | | | | | | | |
| | Median | | | | | | | | | 2.0 | 1.0 | | | | | | | | | |
| LAWSON CREEK | Count | | | | | | | | | | | | | | | | | | 1 | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | 1.0 | |
| | Median | | | | | | | | | | | | | | | | | | 1.0 | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| LEADER CREEK | Count | | | | | 1 | | | | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | 5.0 | | | | | | | | | | | | | | |
| | Median | | | | | 5.0 | | | | | | | | | | | | | | |
| LEVELOCK | Count | 17 | 16 | 15 | 18 | 6 | 11 | 19 | 28 | 18 | 20 | 24 | 25 | 21 | 28 | 23 | 23 | 34 | 26 | 41 |
| | Pct | 13.9% | 13.1% | 12.3% | 14.8% | 4.9% | 9.0% | 15.6% | 26.7% | 17.1% | 19.0% | 22.9% | 23.8% | 20.0% | 26.7% | 21.9% | 21.9% | 32.4% | | |
| | Mean | 6.1 | 6.5 | 6.3 | 6.0 | 5.5 | 5.9 | 7.2 | 6.3 | 5.9 | 5.5 | 4.1 | 4.3 | 4.0 | 3.1 | 3.8 | 2.9 | 2.0 | 1.6 | 1.0 |
| | Median | 4.0 | 5.0 | 5.0 | 5.0 | 4.5 | 5.0 | 8.0 | 6.5 | 6.0 | 5.0 | 3.5 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| LITTLE PORT WALTER | Count | | | | | | | | 1 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 1.0 | | | | | | | | | | | |
| | Median | | | | | | | | 1.0 | | | | | | | | | | | |
| LORING | Count | | 1 | | | 1 | | | | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | 4.0 | | | 1.0 | | | | | | | | | | | | | | |
| | Median | | 4.0 | | | 1.0 | | | | | | | | | | | | | | |
| LOWER KALSKAG | Count | | | | 1 | | | 1 | 2 | 1 | 2 | 1 | 9 | 11 | 12 | 17 | 14 | 18 | 11 | 7 |
| | Pct | | | | 0.4% | | | 0.4% | 0.7% | 0.3% | 0.7% | 0.3% | 3.1% | 3.8% | 4.1% | 5.8% | 4.8% | 6.2% | | |
| | Mean | | | | 1.0 | | | 1.0 | 5.0 | 1.0 | 2.0 | 8.0 | 3.7 | 3.5 | 3.8 | 2.7 | 2.3 | 1.9 | 1.5 | 1.0 |
| | Median | | | | 1.0 | | | 1.0 | 5.0 | 1.0 | 2.0 | 8.0 | 3.0 | 2.0 | 5.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| MANLEY HOT SPRINGS | Count | | | | | 1 | | | 2 | 1 | 1 | 1 | 6 | 6 | 2 | 5 | 8 | 4 | 7 | 9 |
| | Pct | | | | | 1.4% | | | 2.1% | 1.0% | 1.0% | 1.0% | 6.3% | 6.3% | 2.1% | 5.2% | 8.3% | 4.2% | | |
| | Mean | | | | | 1.0 | | | 5.0 | 4.0 | 2.0 | 1.0 | 3.0 | 1.7 | 1.0 | 1.8 | 1.8 | 1.8 | 1.9 | 1.0 |
| | Median | | | | | 1.0 | | | 5.0 | 4.0 | 2.0 | 1.0 | 2.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 2.0 | 1.0 |
| MANOKOTAK | Count | 74 | 75 | 74 | 69 | 83 | 109 | 97 | 109 | 88 | 89 | 94 | 97 | 73 | 79 | 73 | 68 | 74 | 52 | 80 |
| | Pct | 18.5% | 18.8% | 18.5% | 17.3% | 20.8% | 27.3% | 24.3% | 28.3% | 22.9% | 23.1% | 24.4% | 25.2% | 19.0% | 20.5% | 19.0% | 17.7% | 19.2% | | |
| | Mean | 6.7 | 7.3 | 6.9 | 6.8 | 5.9 | 5.3 | 5.4 | 4.6 | 4.8 | 4.0 | 3.8 | 3.0 | 3.8 | 3.2 | 2.8 | 2.4 | 1.9 | 1.5 | 1.0 |
| | Median | 5.0 | 7.0 | 6.5 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| MARSHALL | Count | 60 | 64 | 17 | 49 | 71 | 2 | 60 | 58 | 38 | 67 | 60 | 73 | 1 | 2 | 0 | 3 | 3 | | |
| | Pct | 17.2% | 18.3% | 4.9% | 14.0% | 20.3% | 0.6% | 17.2% | 21.2% | 13.9% | 24.5% | 22.0% | 26.7% | 0.4% | 0.7% | 0.0% | 1.1% | 1.1% | | |
| | Mean | 7.0 | 7.9 | 7.5 | 7.3 | 6.1 | 2.5 | 6.5 | 6.1 | 7.0 | 5.5 | 5.3 | 4.4 | 7.0 | 2.0 | 0.0 | 3.0 | 2.3 | | |
| | Median | 6.0 | 8.0 | 7.0 | 7.0 | 6.0 | 2.5 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 5.0 | 7.0 | 2.0 | 0.0 | 4.0 | 3.0 | | |
| MCCARTHY | Count | | | | 1 | 1 | 1 | | | 1 | | | 1 | | | | | | | |
| | Pct | | | | 2.4% | 2.4% | 2.4% | | | 4.0% | | | 4.0% | | | | | | | |
| | Mean | | | | 3.0 | 7.0 | 1.0 | | | 6.0 | | | 5.0 | | | | | | | |
| | Median | | | | 3.0 | 7.0 | 1.0 | | | 6.0 | | | 5.0 | | | | | | | |
| MCGRATH | Count | | | 1 | | 2 | 2 | | | 1 | | | 2 | | 1 | 6 | 8 | 14 | 17 | 14 |
| | Pct | | | 0.2% | | 0.5% | 0.5% | | | 0.2% | | | 0.4% | | 0.2% | 1.1% | 1.5% | 2.7% | | |
| | Mean | | | 3.0 | | 1.5 | 2.0 | | | 1.0 | | | 5.5 | | 4.0 | 2.0 | 2.0 | 1.5 | 1.3 | 1.0 |
| | Median | | | 3.0 | | 1.5 | 2.0 | | | 1.0 | | | 5.5 | | 4.0 | 1.5 | 2.0 | 1.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| MCKINLEY PARK | Count | | | | | | | 1 | | | | | | | | | | | | |
| | Pct | | | | | | | 0.7% | | | | | | | | | | | | |
| | Mean | | | | | | | 2.0 | | | | | | | | | | | | |
| | Median | | | | | | | 2.0 | | | | | | | | | | | | |
| MEKORYUK | Count | 32 | 31 | 29 | 34 | 29 | 31 | 50 | 41 | 35 | 49 | 49 | 39 | 36 | 38 | 35 | 40 | 34 | 54 | 57 |
| | Pct | 15.2% | 14.8% | 13.8% | 16.2% | 13.8% | 14.8% | 23.8% | 23.2% | 19.8% | 27.7% | 27.7% | 22.0% | 20.3% | 21.5% | 19.8% | 22.6% | 19.2% | | |
| | Mean | 6.0 | 6.9 | 5.8 | 6.1 | 7.4 | 6.5 | 5.7 | 5.3 | 5.3 | 4.6 | 4.8 | 4.3 | 4.1 | 3.5 | 3.7 | 3.0 | 2.4 | 1.8 | 1.0 |
| | Median | 4.5 | 7.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.5 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.5 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| METLAKATLA | Count | 62 | 62 | 87 | 84 | 85 | 96 | 90 | 107 | 93 | 115 | 108 | 116 | 126 | 119 | 116 | 116 | 114 | 123 | 107 |
| | Pct | 4.5% | 4.5% | 6.3% | 6.1% | 6.2% | 7.0% | 6.5% | 7.6% | 6.6% | 8.2% | 7.7% | 8.2% | 9.0% | 8.5% | 8.2% | 8.2% | 8.1% | | |
| | Mean | 6.8 | 7.2 | 6.3 | 6.5 | 6.7 | 5.7 | 5.5 | 4.9 | 5.0 | 3.9 | 3.6 | 3.4 | 3.5 | 3.1 | 2.9 | 2.5 | 2.1 | 1.5 | 1.0 |
| | Median | 5.5 | 6.5 | 5.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| MEYERS CHUCK | Count | 4 | 5 | 2 | 3 | 1 | 5 | 5 | 6 | 6 | 7 | 11 | 8 | 8 | 10 | 9 | 11 | 14 | 11 | 9 |
| | Pct | 19.0% | 23.8% | 9.5% | 14.3% | 4.8% | 23.8% | 23.8% | 16.2% | 16.2% | 18.9% | 29.7% | 21.6% | 21.6% | 27.0% | 24.3% | 29.7% | 37.8% | | |
| | Mean | 11.5 | 10.6 | 14.5 | 9.3 | 15.0 | 8.0 | 8.8 | 8.5 | 5.8 | 5.6 | 3.0 | 3.8 | 3.0 | 3.0 | 2.8 | 2.4 | 1.8 | 1.3 | 1.0 |
| | Median | 12.5 | 12.0 | 14.5 | 11.0 | 15.0 | 9.0 | 10.0 | 9.0 | 6.0 | 7.0 | 2.0 | 4.0 | 3.0 | 3.5 | 3.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| MILTON FREEWATER | Count | | | | | | | | | | | | | 1 | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | 2.0 | | | | | | |
| | Median | | | | | | | | | | | | | 2.0 | | | | | | |
| MINTO | Count | | | | | | | 1 | | | | 4 | 6 | | 1 | | | | | 1 |
| | Pct | | | | | | | 0.4% | | | | 1.8% | 2.8% | | 0.5% | | | | | |
| | Mean | | | | | | | 1.0 | | | | 1.5 | 1.2 | | 2.0 | | | | | 1.0 |
| | Median | | | | | | | 1.0 | | | | 1.5 | 1.0 | | 2.0 | | | | | 1.0 |
| MOOSE CREEK | Count | 2 | | | | | | | | | | | | | | | | | | |
| | Pct | 0.4% | | | | | | | | | | | | | | | | | | |
| | Mean | 1.0 | | | | | | | | | | | | | | | | | | |
| | Median | 1.0 | | | | | | | | | | | | | | | | | | |
| MOOSE PASS | Count | 3 | 4 | 4 | 5 | 2 | 5 | 2 | 6 | 7 | 9 | 4 | 8 | 3 | 8 | 6 | 5 | 3 | 6 | 10 |
| | Pct | 1.5% | 1.9% | 1.9% | 2.4% | 1.0% | 2.4% | 1.0% | 7.4% | 8.6% | 11.1% | 4.9% | 9.9% | 3.7% | 9.9% | 7.4% | 6.2% | 3.7% | | |
| | Mean | 2.7 | 4.0 | 3.3 | 2.2 | 1.0 | 3.0 | 3.5 | 2.3 | 1.6 | 1.6 | 1.5 | 2.3 | 4.7 | 2.5 | 2.8 | 2.4 | 1.7 | 1.5 | 1.0 |
| | Median | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 4.0 | 3.5 | 2.5 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 2.5 | 3.0 | 3.0 | 1.0 | 1.5 | 1.0 |
| MOUNTAIN VILLAGE | Count | 119 | 124 | 116 | 111 | 105 | 3 | 93 | 128 | 118 | 121 | 110 | 130 | 119 | 139 | 151 | 170 | 153 | 177 | 160 |
| | Pct | 15.8% | 16.4% | 15.4% | 14.7% | 13.9% | 0.4% | 12.3% | 19.0% | 17.5% | 18.0% | 16.3% | 19.3% | 17.7% | 20.6% | 22.4% | 25.2% | 22.7% | | |
| | Mean | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 2.7 | 5.9 | 5.3 | 5.6 | 5.0 | 4.5 | 4.2 | 4.5 | 4.2 | 3.5 | 2.8 | 2.2 | 1.6 | 1.0 |
| | Median | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 1.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| NABESNA | Count | 1 | | | | | | | | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 2.0 | | | | | | | | | | | | | | | | | | |
| | Median | 2.0 | | | | | | | | | | | | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| NAKNEK | Count | 117 | 102 | 111 | 114 | 116 | 155 | 159 | 159 | 126 | 133 | 159 | 174 | 137 | 151 | 154 | 141 | 164 | 129 | 162 |
| | Pct | 17.3% | 15.0% | 16.4% | 16.8% | 17.1% | 22.9% | 23.5% | 27.7% | 21.9% | 23.1% | 27.7% | 30.3% | 23.8% | 26.3% | 26.8% | 24.5% | 28.5% | | |
| | Mean | 6.3 | 6.4 | 5.6 | 5.4 | 5.1 | 5.1 | 5.0 | 4.9 | 4.9 | 4.4 | 4.3 | 3.8 | 3.9 | 3.4 | 3.0 | 2.6 | 2.0 | 1.6 | 1.0 |
| | Median | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| NANWALEK | Count | 4 | 6 | 2 | 11 | 1 | 4 | 9 | 4 | 15 | 14 | 11 | 15 | | 1 | | | | | |
| | Pct | 2.3% | 3.4% | 1.1% | 6.2% | 0.6% | 2.3% | 5.1% | 2.5% | 9.5% | 8.9% | 7.0% | 9.5% | | 0.6% | | | | | |
| | Mean | 5.8 | 4.8 | 10.5 | 4.4 | 1.0 | 7.0 | 4.9 | 4.3 | 3.8 | 2.9 | 2.1 | 3.0 | | 5.0 | | | | | |
| | Median | 4.5 | 2.0 | 10.5 | 3.0 | 1.0 | 7.5 | 4.0 | 3.5 | 3.0 | 2.0 | 1.0 | 1.0 | | 5.0 | | | | | |
| NAPAKIAK | Count | 9 | 27 | 21 | 20 | 8 | 38 | 44 | 53 | 66 | 60 | 62 | 74 | 59 | 42 | 60 | 59 | 54 | 51 | 55 |
| | Pct | 2.5% | 7.6% | 5.9% | 5.7% | 2.3% | 10.8% | 12.5% | 16.7% | 20.8% | 18.9% | 19.5% | 23.3% | 18.6% | 13.2% | 18.9% | 18.6% | 17.0% | | |
| | Mean | 9.0 | 5.9 | 6.7 | 7.4 | 7.6 | 6.2 | 6.3 | 5.4 | 4.7 | 4.4 | 4.3 | 3.2 | 3.5 | 3.5 | 3.1 | 2.8 | 2.3 | 1.7 | 1.0 |
| | Median | 9.0 | 6.0 | 7.0 | 6.0 | 6.0 | 5.0 | 7.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.5 | 3.5 | 3.0 | 3.0 | 2.0 | 1.0 |
| NAPASKIAK | Count | 15 | 17 | 18 | 17 | 14 | 19 | 30 | 38 | 42 | 35 | 47 | 57 | 4 | 0 | 2 | 2 | 3 | | |
| | Pct | 3.8% | 4.4% | 4.6% | 4.4% | 3.6% | 4.9% | 7.7% | 11.6% | 12.8% | 10.7% | 14.3% | 17.4% | 1.2% | 0.0% | 0.6% | 0.6% | 0.9% | | |
| | Mean | 7.4 | 5.6 | 6.3 | 5.7 | 5.0 | 6.0 | 5.5 | 5.2 | 5.5 | 5.1 | 4.1 | 3.3 | 5.0 | 0.0 | 3.5 | 3.0 | 1.7 | | |
| | Median | 8.0 | 5.0 | 5.0 | 3.0 | 3.5 | 6.0 | 5.0 | 5.5 | 5.0 | 5.0 | 4.0 | 3.0 | 6.0 | 0.0 | 3.5 | 3.0 | 2.0 | | |
| NAUKATI | Count | | | | | | | | 2 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 3.5 | | | | | | | | | | | |
| | Median | | | | | | | | 3.5 | | | | | | | | | | | |
| NAUKATI BAY | Count | 6 | 4 | | 4 | 2 | 3 | 4 | 1 | 1 | | 1 | | | | | | | | |
| | Pct | 4.4% | 3.0% | | 3.0% | 1.5% | 2.2% | 3.0% | 1.1% | 1.1% | | 1.1% | | | | | | | | |
| | Mean | 5.2 | 7.5 | | 5.0 | 3.5 | 5.0 | 4.0 | 3.0 | 5.0 | | 4.0 | | | | | | | | |
| | Median | 2.0 | 6.5 | | 4.5 | 3.5 | 5.0 | 4.0 | 3.0 | 5.0 | | 4.0 | | | | | | | | |
| NEETS BAY | Count | | | | | | | | | | | 1 | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | 1.0 | | | | | | | | |
| | Median | | | | | | | | | | | 1.0 | | | | | | | | |
| NELSON LAGOON | Count | 23 | 22 | 17 | 15 | 16 | 19 | 22 | 25 | 13 | 20 | 19 | 19 | 2 | | | 4 | | 1 | |
| | Pct | 27.7% | 26.5% | 20.5% | 18.1% | 19.3% | 22.9% | 26.5% | 30.1% | 15.7% | 24.1% | 22.9% | 22.9% | 2.4% | | | 4.8% | | | |
| | Mean | 5.8 | 5.5 | 4.6 | 5.7 | 5.9 | 4.7 | 4.4 | 3.3 | 6.4 | 4.8 | 4.5 | 3.8 | 4.0 | | | 3.3 | | 2.0 | |
| | Median | 5.0 | 5.0 | 3.0 | 5.0 | 4.0 | 3.0 | 3.5 | 2.0 | 7.0 | 4.5 | 5.0 | 4.0 | 4.0 | | | 4.0 | | 2.0 | |
| NENANA | Count | 5 | 2 | 4 | 1 | | | 4 | 2 | 2 | 9 | 4 | 11 | 8 | 10 | 17 | 16 | 11 | 23 | 16 |
| | Pct | 1.2% | 0.5% | 1.0% | 0.2% | | | 1.0% | 0.5% | 0.5% | 2.3% | 1.0% | 2.8% | 2.0% | 2.5% | 4.3% | 4.1% | 2.8% | | |
| | Mean | 3.0 | 5.5 | 2.8 | 7.0 | | | 1.8 | 2.0 | 6.5 | 1.8 | 3.3 | 2.5 | 2.9 | 3.3 | 2.2 | 1.9 | 2.1 | 1.4 | 1.0 |
| | Median | 1.0 | 5.5 | 1.0 | 7.0 | | | 1.0 | 2.0 | 6.5 | 1.0 | 2.0 | 1.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| NEW STUYAHOK | Count | 53 | 66 | 52 | 41 | 41 | 75 | 90 | 99 | 90 | 88 | 93 | 97 | 89 | 84 | 95 | 85 | 104 | 99 | 101 |
| | Pct | 11.3% | 14.0% | 11.0% | 8.7% | 8.7% | 15.9% | 19.1% | 25.3% | 23.0% | 22.5% | 23.8% | 24.8% | 22.8% | 21.5% | 24.3% | 21.7% | 26.6% | | |
| | Mean | 7.9 | 7.9 | 8.2 | 7.8 | 9.0 | 7.4 | 7.3 | 6.7 | 6.5 | 5.9 | 5.3 | 3.9 | 4.5 | 3.9 | 3.6 | 2.9 | 2.2 | 1.5 | 1.0 |
| | Median | 6.0 | 7.5 | 8.0 | 8.0 | 10.0 | 8.0 | 7.5 | 6.0 | 7.0 | 6.0 | 6.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| NEWHALEN | Count | 13 | 10 | 10 | 2 | 5 | 11 | 19 | 17 | 13 | 2 | 5 | 2 | | | | | | | |
| | Pct | 8.1% | 6.3% | 6.3% | 1.3% | 3.1% | 6.9% | 11.9% | 10.6% | 8.1% | 1.3% | 3.1% | 1.3% | | | | | | | |
| | Mean | 7.3 | 5.2 | 7.1 | 1.5 | 5.8 | 6.9 | 4.7 | 5.3 | 5.1 | 4.5 | 3.8 | 4.5 | | | | | | | |
| | Median | 8.0 | 5.5 | 6.5 | 1.5 | 6.0 | 7.0 | 3.0 | 5.0 | 6.0 | 4.5 | 4.0 | 4.5 | | | | | | | |
| NEWTOK | Count | 9 | 9 | 12 | 13 | 15 | 8 | 27 | 31 | 24 | 38 | 35 | 33 | 1 | | | 1 | | 1 | 2 |
| | Pct | 2.8% | 2.8% | 3.7% | 4.0% | 4.7% | 2.5% | 8.4% | 15.0% | 11.6% | 18.4% | 16.9% | 15.9% | 0.5% | | | 0.5% | | | |
| | Mean | 6.7 | 6.9 | 4.8 | 5.5 | 6.2 | 6.6 | 5.2 | 4.0 | 4.3 | 4.2 | 3.9 | 3.3 | 4.0 | | | 2.0 | | 1.0 | 1.0 |
| | Median | 6.0 | 5.0 | 3.5 | 5.0 | 8.0 | 6.5 | 5.0 | 3.0 | 3.5 | 4.0 | 4.0 | 4.0 | 4.0 | | | 2.0 | | 1.0 | 1.0 |
| NI | Count | | | | | | | | | | | | | | | | | | 1 | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | 1.0 | |
| | Median | | | | | | | | | | | | | | | | | | 1.0 | |
| NIGHTMUTE | Count | 12 | 15 | 15 | 18 | 18 | 18 | 22 | 20 | 20 | 30 | 31 | 26 | 26 | 25 | 32 | 17 | 14 | 24 | 30 |
| | Pct | 5.8% | 7.2% | 7.2% | 8.7% | 8.7% | 8.7% | 10.6% | 13.1% | 13.1% | 19.6% | 20.3% | 17.0% | 17.0% | 16.3% | 20.9% | 11.1% | 9.2% | | |
| | Mean | 8.4 | 8.5 | 7.7 | 7.7 | 6.6 | 7.4 | 7.2 | 6.7 | 6.1 | 5.6 | 4.4 | 4.8 | 4.3 | 3.4 | 3.1 | 2.8 | 2.4 | 1.8 | 1.0 |
| | Median | 7.5 | 10.0 | 6.0 | 6.5 | 6.0 | 10.0 | 8.5 | 7.5 | 6.5 | 6.0 | 4.0 | 5.0 | 4.5 | 4.0 | 3.0 | 3.0 | 2.5 | 2.0 | 1.0 |
| NIKISHKA | Count | | | | | 1 | | | 2 | 1 | 1 | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | 1.0 | | | 4.5 | 6.0 | 6.0 | | | | | | | | | |
| | Median | | | | | 1.0 | | | 4.5 | 6.0 | 6.0 | | | | | | | | | |
| NIKISKI | Count | 54 | 60 | 62 | 57 | 54 | 63 | 88 | 100 | 100 | 116 | 104 | 98 | 112 | 116 | 123 | 117 | 126 | 111 | 88 |
| | Pct | 1.2% | 1.4% | 1.4% | 1.3% | 1.2% | 1.5% | 2.0% | 3.6% | 3.6% | 4.2% | 3.8% | 3.6% | 4.1% | 4.2% | 4.5% | 4.3% | 4.6% | | |
| | Mean | 4.1 | 4.8 | 4.4 | 5.1 | 4.3 | 3.7 | 3.5 | 3.6 | 3.2 | 3.1 | 3.2 | 3.3 | 2.5 | 2.8 | 2.3 | 2.1 | 1.7 | 1.3 | 1.0 |
| | Median | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| NIKOLAEVSK | Count | 18 | 24 | 22 | 19 | 17 | 28 | 39 | 36 | 35 | 43 | 43 | 31 | | 2 | 1 | 1 | | | |
| | Pct | 5.2% | 7.0% | 6.4% | 5.5% | 4.9% | 8.1% | 11.3% | 9.7% | 9.4% | 11.6% | 11.6% | 8.4% | | 0.5% | 0.3% | 0.3% | | | |
| | Mean | 6.1 | 4.8 | 4.8 | 5.3 | 5.2 | 3.8 | 4.0 | 4.1 | 3.6 | 2.8 | 3.2 | 2.6 | | 3.0 | 1.0 | 2.0 | | | |
| | Median | 4.5 | 3.5 | 4.0 | 6.0 | 5.0 | 3.5 | 3.0 | 3.5 | 3.0 | 2.0 | 2.0 | 2.0 | | 3.0 | 1.0 | 2.0 | | | |
| NIKOLAI | Count | | | | | | | | 1 | | | | 3 | | 1 | | 2 | | 1 | 2 |
| | Pct | | | | | | | | 0.9% | | | | 2.8% | | 0.9% | | 1.8% | | | |
| | Mean | | | | | | | | 1.0 | | | | 3.0 | | 2.0 | | 1.5 | | 1.0 | 1.0 |
| | Median | | | | | | | | 1.0 | | | | 3.0 | | 2.0 | | 1.5 | | 1.0 | 1.0 |
| NIKOLSKI | Count | 1 | | | 1 | | 1 | 1 | 1 | | | | 4 | 4 | | 1 | 1 | | 1 | 1 |
| | Pct | 2.6% | | | 2.6% | | 2.6% | 2.6% | 2.9% | | | | 11.4% | 11.4% | | 2.9% | 2.9% | | | |
| | Mean | 1.0 | | | 2.0 | | 3.0 | 3.0 | 2.0 | | | | 3.5 | 2.5 | | 5.0 | 1.0 | | 2.0 | 1.0 |
| | Median | 1.0 | | | 2.0 | | 3.0 | 3.0 | 2.0 | | | | 3.5 | 1.0 | | 5.0 | 1.0 | | 2.0 | 1.0 |
| NINILCHIK | Count | 39 | 46 | 51 | 38 | 42 | 64 | 56 | 48 | 62 | 64 | 59 | 70 | 86 | 74 | 105 | 85 | 96 | 96 | 90 |
| | Pct | 5.1% | 6.0% | 6.6% | 4.9% | 5.4% | 8.3% | 7.3% | 10.5% | 13.6% | 14.0% | 12.9% | 15.4% | 18.9% | 16.2% | 23.0% | 18.6% | 21.1% | | |
| | Mean | 5.7 | 4.7 | 4.3 | 4.3 | 4.5 | 3.9 | 4.8 | 5.1 | 3.8 | 3.6 | 3.5 | 3.0 | 2.7 | 2.8 | 2.4 | 2.3 | 1.9 | 1.4 | 1.0 |
| | Median | 4.0 | 3.0 | 2.0 | 2.0 | 2.5 | 2.0 | 4.0 | 4.0 | 2.5 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| NO NAME | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 2.0 | | | | |
| | Median | | | | | | | | | | | | | | | 2.0 | | | | |
| NOATAK | Count | | | 1 | | | 4 | 5 | 3 | 3 | 4 | 1 | 4 | 5 | 3 | 13 | 17 | 19 | 17 | 24 |
| | Pct | | | 0.2% | | | 0.9% | 1.2% | 0.9% | 0.9% | 1.2% | 0.3% | 1.2% | 1.5% | 0.9% | 3.9% | 5.1% | 5.7% | | |
| | Mean | | | 3.0 | | | 3.3 | 4.4 | 7.3 | 5.0 | 4.0 | 1.0 | 2.3 | 1.8 | 3.0 | 3.0 | 2.9 | 2.4 | 1.7 | 1.0 |
| | Median | | | 3.0 | | | 1.5 | 3.0 | 7.0 | 5.0 | 4.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| NOME | Count | 26 | 26 | 22 | 21 | 15 | 16 | 17 | 21 | 14 | 15 | 28 | 26 | 39 | 55 | 29 | 53 | 56 | 38 | 73 |
| | Pct | 0.7% | 0.7% | 0.6% | 0.6% | 0.4% | 0.5% | 0.5% | 0.6% | 0.4% | 0.4% | 0.8% | 0.7% | 1.1% | 1.6% | 0.8% | 1.5% | 1.6% | | |
| | Mean | 2.5 | 2.1 | 2.6 | 2.6 | 2.3 | 1.5 | 3.5 | 2.6 | 2.6 | 3.6 | 2.3 | 2.7 | 2.5 | 2.1 | 2.1 | 2.5 | 1.7 | 1.4 | 1.0 |
| | Median | 2.0 | 1.5 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.5 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| NONDALTON | Count | 16 | 10 | 14 | 15 | 5 | 13 | 31 | 22 | 15 | 24 | 25 | 26 | 18 | 24 | 24 | 19 | 32 | 27 | 36 |
| | Pct | 7.2% | 4.5% | 6.3% | 6.8% | 2.3% | 5.9% | 14.0% | 12.4% | 8.4% | 13.5% | 14.0% | 14.6% | 10.1% | 13.5% | 13.5% | 10.7% | 18.0% | | |
| | Mean | 5.6 | 5.9 | 6.5 | 5.5 | 3.4 | 4.8 | 4.1 | 4.6 | 3.8 | 4.0 | 3.5 | 4.0 | 4.1 | 3.5 | 3.0 | 3.1 | 2.1 | 1.6 | 1.0 |
| | Median | 4.0 | 3.5 | 6.0 | 5.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.5 | 3.0 | 4.0 | 4.5 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| NOORVIK | Count | 1 | 1 | | | | 2 | 1 | 2 | 2 | 3 | 2 | | 2 | 4 | 7 | 11 | 12 | 12 | 17 |
| | Pct | 0.2% | 0.2% | | | | 0.3% | 0.2% | 0.4% | 0.4% | 0.6% | 0.4% | | 0.4% | 0.8% | 1.3% | 2.1% | 2.3% | | |
| | Mean | 4.0 | 3.0 | | | | 1.0 | 4.0 | 3.5 | 1.5 | 1.7 | 1.0 | | 4.0 | 4.0 | 2.4 | 1.9 | 1.9 | 1.7 | 1.0 |
| | Median | 4.0 | 3.0 | | | | 1.0 | 4.0 | 3.5 | 1.5 | 2.0 | 1.0 | | 4.0 | 3.5 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| NORTH LOGAN | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 1.0 | | | | |
| | Median | | | | | | | | | | | | | | | 1.0 | | | | |
| NORTH POLE | Count | 10 | 11 | 9 | 9 | 9 | 12 | 12 | 14 | 14 | 23 | 27 | 18 | 29 | 24 | 50 | 36 | 49 | 44 | 39 |
| | Pct | 0.6% | 0.7% | 0.6% | 0.6% | 0.6% | 0.8% | 0.8% | 1.0% | 1.0% | 1.6% | 1.9% | 1.2% | 2.0% | 1.6% | 3.4% | 2.5% | 3.4% | | |
| | Mean | 3.8 | 3.8 | 3.7 | 5.9 | 5.9 | 3.7 | 4.9 | 4.3 | 3.7 | 2.8 | 2.2 | 2.6 | 2.7 | 2.2 | 1.7 | 1.6 | 1.5 | 1.3 | 1.0 |
| | Median | 1.5 | 3.0 | 2.0 | 5.0 | 4.0 | 2.5 | 4.5 | 4.0 | 3.0 | 2.0 | 1.0 | 1.5 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| NORTHWAY | Count | | | | | | | | | | | | 1 | | | 2 | 1 | 1 | 1 | 4 |
| | Pct | | | | | | | | | | | | 0.8% | | | 1.6% | 0.8% | 0.8% | | |
| | Mean | | | | | | | | | | | | 1.0 | | | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| | Median | | | | | | | | | | | | 1.0 | | | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| NULATO | Count | | | | 2 | | | | | 4 | 6 | 32 | 21 | 7 | 11 | 5 | 22 | 31 | 50 | 42 |
| | Pct | | | | 0.6% | | | | | 1.1% | 1.7% | 8.9% | 5.8% | 1.9% | 3.1% | 1.4% | 6.1% | 8.6% | | |
| | Mean | | | | 4.0 | | | | | 5.8 | 2.2 | 2.1 | 1.6 | 1.9 | 2.1 | 1.8 | 2.0 | 2.0 | 1.5 | 1.0 |
| | Median | | | | 4.0 | | | | | 5.5 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.5 | 2.0 | 1.0 | 1.0 |
| NUNAM IQUA | Count | 6 | 7 | 11 | 7 | 9 | | 17 | | | | | | | | | | | | |
| | Pct | 3.7% | 4.3% | 6.7% | 4.3% | 5.5% | | 10.4% | | | | | | | | | | | | |
| | Mean | 6.5 | 7.0 | 5.5 | 6.3 | 4.4 | | 4.2 | | | | | | | | | | | | |
| | Median | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | | 2.0 | | | | | | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| NUNAPITCHUK | Count | 26 | 47 | 31 | 11 | 22 | 35 | 61 | 62 | 67 | 62 | 84 | 83 | 75 | 73 | 82 | 80 | 87 | 66 | 69 |
| | Pct | 5.6% | 10.1% | 6.7% | 2.4% | 4.7% | 7.5% | 13.1% | 16.4% | 17.7% | 16.4% | 22.2% | 22.0% | 19.8% | 19.3% | 21.7% | 21.2% | 23.0% | | |
| | Mean | 6.9 | 6.3 | 5.8 | 7.8 | 6.6 | 5.9 | 6.4 | 6.1 | 6.0 | 5.6 | 5.1 | 4.4 | 4.3 | 4.1 | 3.6 | 2.9 | 2.3 | 1.7 | 1.0 |
| | Median | 6.0 | 5.0 | 5.0 | 6.0 | 6.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| NYAC | Count | | | | | | | | | | | | | | 1 | | 1 | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | 5.0 | | 3.0 | | | |
| | Median | | | | | | | | | | | | | | 5.0 | | 3.0 | | | |
| OLD HARBOR | Count | 42 | 45 | 47 | 50 | 43 | 51 | 57 | 64 | 45 | 67 | 85 | 86 | 91 | 99 | 97 | 96 | 97 | 92 | 75 |
| | Pct | 17.7% | 19.0% | 19.8% | 21.1% | 18.1% | 21.5% | 24.1% | 22.5% | 15.8% | 23.6% | 29.9% | 30.3% | 32.0% | 34.9% | 34.2% | 33.8% | 34.2% | | |
| | Mean | 9.0 | 8.0 | 7.9 | 7.2 | 7.7 | 5.8 | 6.4 | 6.8 | 6.8 | 5.4 | 4.6 | 3.7 | 4.0 | 3.8 | 3.3 | 2.7 | 2.2 | 1.6 | 1.0 |
| | Median | 8.5 | 7.0 | 7.0 | 6.0 | 8.0 | 4.0 | 5.0 | 6.5 | 8.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| OSCARVILLE | Count | | | | | | | | | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | 1.8% | | | | | |
| | Mean | | | | | | | | | | | | | | 3.0 | | | | | |
| | Median | | | | | | | | | | | | | | 3.0 | | | | | |
| OUZINKIE | Count | 31 | 29 | 31 | 21 | 23 | 31 | 31 | 26 | 30 | 32 | 35 | 46 | 50 | 58 | 56 | 61 | 59 | 61 | 51 |
| | Pct | 13.8% | 12.9% | 13.8% | 9.3% | 10.2% | 13.8% | 13.8% | 12.4% | 14.4% | 15.3% | 16.7% | 22.0% | 23.9% | 27.8% | 26.8% | 29.2% | 28.2% | | |
| | Mean | 8.9 | 8.6 | 8.1 | 8.3 | 7.7 | 6.9 | 6.7 | 7.3 | 5.9 | 4.9 | 5.1 | 4.8 | 4.7 | 3.6 | 3.2 | 2.9 | 2.1 | 1.5 | 1.0 |
| | Median | 8.0 | 8.0 | 7.0 | 8.0 | 8.0 | 7.0 | 6.0 | 9.5 | 5.5 | 4.5 | 6.0 | 5.5 | 6.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| OXNARD | Count | | | | | | | | | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | 1.0 | | | | | |
| | Median | | | | | | | | | | | | | | 1.0 | | | | | |
| PALMER | Count | 70 | 86 | 83 | 73 | 50 | 79 | 103 | 123 | 89 | 109 | 132 | 139 | 135 | 156 | 155 | 150 | 159 | 145 | 152 |
| | Pct | 1.5% | 1.9% | 1.8% | 1.6% | 1.1% | 1.7% | 2.3% | 4.3% | 3.1% | 3.8% | 4.6% | 4.8% | 4.7% | 5.4% | 5.4% | 5.2% | 5.5% | | |
| | Mean | 3.7 | 3.7 | 4.4 | 3.2 | 4.2 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.2 | 3.0 | 2.9 | 2.6 | 2.2 | 2.0 | 1.6 | 1.4 | 1.0 |
| | Median | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| PAXSON | Count | | 1 | 1 | | | | | | 2 | 1 | | 1 | 1 | | | | | | |
| | Pct | | 2.3% | 2.3% | | | | | | 6.7% | 3.3% | | 3.3% | 3.3% | | | | | | |
| | Mean | | 1.0 | 1.0 | | | | | | 1.0 | 2.0 | | 1.0 | 1.0 | | | | | | |
| | Median | | 1.0 | 1.0 | | | | | | 1.0 | 2.0 | | 1.0 | 1.0 | | | | | | |
| PEDRO BAY | Count | | 1 | 1 | 3 | 2 | 2 | 5 | 2 | 3 | 5 | 8 | 7 | 10 | 10 | 9 | 10 | 9 | 9 | 11 |
| | Pct | | 2.0% | 2.0% | 6.0% | 4.0% | 4.0% | 10.0% | 4.8% | 7.1% | 11.9% | 19.0% | 16.7% | 23.8% | 23.8% | 21.4% | 23.8% | 21.4% | | |
| | Mean | | 1.0 | 1.0 | 2.3 | 3.5 | 5.0 | 3.4 | 3.5 | 2.3 | 2.4 | 3.6 | 3.9 | 3.1 | 3.1 | 2.6 | 2.3 | 1.7 | 1.3 | 1.0 |
| | Median | | 1.0 | 1.0 | 2.0 | 3.5 | 5.0 | 4.0 | 3.5 | 2.0 | 2.0 | 3.5 | 4.0 | 2.5 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| PELICAN | Count | 26 | 28 | 32 | 21 | 23 | 31 | 25 | 45 | 40 | 51 | 44 | 56 | 65 | 79 | 92 | 97 | 89 | 84 | 66 |
| | Pct | 16.0% | 17.2% | 19.6% | 12.9% | 14.1% | 19.0% | 15.3% | 20.3% | 18.0% | 23.0% | 19.8% | 25.2% | 29.3% | 35.6% | 41.4% | 43.7% | 40.1% | | |
| | Mean | 6.9 | 6.7 | 5.5 | 7.8 | 6.4 | 5.8 | 6.8 | 6.1 | 5.9 | 5.0 | 4.6 | 3.8 | 3.6 | 3.2 | 2.7 | 2.2 | 1.8 | 1.4 | 1.0 |
| | Median | 5.0 | 6.0 | 4.0 | 8.0 | 6.0 | 5.0 | 7.0 | 6.0 | 5.5 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| PERRYVILLE | Count | 19 | 29 | 26 | 27 | 18 | 31 | 28 | 31 | 24 | 36 | 31 | 32 | 35 | 29 | 28 | 28 | 30 | 32 | 32 |
| | Pct | 17.8% | 27.1% | 24.3% | 25.2% | 16.8% | 29.0% | 26.2% | 28.7% | 22.2% | 33.3% | 28.7% | 29.6% | 32.4% | 26.9% | 25.9% | 25.9% | 27.8% | | |
| | Mean | 7.4 | 7.5 | 8.6 | 7.6 | 8.1 | 7.4 | 7.3 | 6.0 | 6.1 | 5.5 | 5.2 | 4.6 | 4.5 | 4.3 | 3.8 | 3.4 | 2.6 | 1.7 | 1.0 |
| | Median | 6.0 | 6.0 | 8.5 | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.5 | 4.0 | 3.0 | 2.0 | 1.0 |
| PETERS CREEK | Count | 2 | 2 | 1 | | 1 | | | 2 | 2 | | 1 | | | | | | | | |
| | Pct | 0.0% | 0.0% | 0.0% | | 0.0% | | | 0.0% | 0.0% | | 0.0% | | | | | | | | |
| | Mean | 4.5 | 7.0 | 9.0 | | 10.0 | | | 2.5 | 6.5 | | 5.0 | | | | | | | | |
| | Median | 4.5 | 7.0 | 9.0 | | 10.0 | | | 2.5 | 6.5 | | 5.0 | | | | | | | | |
| PETERSBURG | Count | 460 | 472 | 424 | 404 | 445 | 459 | 496 | 543 | 507 | 559 | 610 | 588 | 655 | 645 | 663 | 675 | 683 | 614 | 516 |
| | Pct | 14.3% | 14.6% | 13.2% | 12.5% | 13.8% | 14.2% | 15.4% | 16.9% | 15.8% | 17.4% | 19.0% | 18.3% | 20.4% | 20.1% | 20.7% | 21.0% | 21.3% | | |
| | Mean | 5.9 | 5.8 | 5.8 | 5.6 | 5.6 | 5.2 | 5.1 | 4.9 | 4.8 | 4.1 | 3.9 | 3.6 | 3.3 | 3.1 | 2.7 | 2.2 | 1.8 | 1.4 | 1.0 |
| | Median | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| PILOT POINT | Count | 21 | 21 | 19 | 28 | 27 | 30 | 32 | 40 | 31 | 27 | 34 | 35 | 28 | 28 | 34 | 30 | 29 | 29 | 36 |
| | Pct | 21.0% | 21.0% | 19.0% | 28.0% | 27.0% | 30.0% | 32.0% | 75.5% | 58.5% | 50.9% | 64.2% | 66.0% | 52.8% | 52.8% | 64.2% | 56.6% | 54.7% | | |
| | Mean | 11.0 | 9.9 | 9.8 | 7.7 | 8.6 | 7.8 | 6.0 | 5.4 | 5.7 | 5.7 | 5.0 | 4.5 | 4.3 | 3.8 | 3.5 | 2.9 | 2.2 | 1.7 | 1.0 |
| | Median | 11.0 | 10.0 | 7.0 | 6.0 | 8.0 | 9.0 | 4.5 | 5.0 | 6.0 | 5.0 | 4.5 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| PILOT STATION | Count | 69 | 88 | 89 | 82 | 83 | 4 | 69 | 92 | 75 | 93 | 103 | 92 | 89 | 96 | 94 | 109 | 98 | 99 | 92 |
| | Pct | 12.5% | 16.0% | 16.2% | 14.9% | 15.1% | 0.7% | 12.5% | 19.9% | 16.2% | 20.1% | 22.2% | 19.9% | 19.2% | 20.7% | 20.3% | 23.5% | 21.2% | | |
| | Mean | 7.7 | 7.1 | 7.5 | 7.3 | 6.7 | 7.8 | 7.2 | 6.2 | 6.1 | 5.5 | 4.8 | 4.8 | 4.7 | 3.8 | 3.4 | 2.8 | 2.2 | 1.7 | 1.0 |
| | Median | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 9.0 | 7.0 | 6.0 | 7.0 | 6.0 | 4.0 | 5.5 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| PITKAS POINT | Count | | | 1 | | 1 | | 4 | 2 | 2 | 3 | 2 | 3 | | | | | | | 1 |
| | Pct | | | 0.8% | | 0.8% | | 3.2% | 1.5% | 1.5% | 2.2% | 1.5% | 2.2% | | | | | | | |
| | Mean | | | 12.0 | | 8.0 | | 6.0 | 6.0 | 5.0 | 6.0 | 8.0 | 5.7 | | | | | | | 1.0 |
| | Median | | | 12.0 | | 8.0 | | 5.0 | 6.0 | 5.0 | 7.0 | 8.0 | 7.0 | | | | | | | 1.0 |
| PLATINUM | Count | 1 | 3 | 3 | 4 | 2 | 4 | 7 | 12 | 10 | 10 | 9 | 10 | 6 | 2 | 16 | 16 | 19 | 23 | 23 |
| | Pct | 2.4% | 7.3% | 7.3% | 9.8% | 4.9% | 9.8% | 17.1% | 18.8% | 15.6% | 15.6% | 14.1% | 15.6% | 9.4% | 3.1% | 25.0% | 25.0% | 29.7% | | |
| | Mean | 14.0 | 9.3 | 11.0 | 7.8 | 6.0 | 4.8 | 5.9 | 5.3 | 3.3 | 4.3 | 4.2 | 3.9 | 3.0 | 1.5 | 3.8 | 2.6 | 2.2 | 1.7 | 1.0 |
| | Median | 14.0 | 10.0 | 12.0 | 8.0 | 6.0 | 4.0 | 6.0 | 5.0 | 4.0 | 3.5 | 4.0 | 5.0 | 3.0 | 1.5 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| POINT BAKER | Count | 13 | 11 | 19 | 22 | 14 | 16 | 18 | 23 | 26 | 21 | 16 | 22 | 26 | 33 | 23 | 23 | 31 | 28 | 22 |
| | Pct | 37.1% | 31.4% | 54.3% | 62.9% | 40.0% | 45.7% | 51.4% | 59.0% | 66.7% | 53.8% | 41.0% | 56.4% | 66.7% | 84.6% | 59.0% | 59.0% | 79.5% | | |
| | Mean | 9.4 | 9.0 | 5.9 | 5.9 | 6.6 | 5.7 | 5.4 | 5.5 | 5.2 | 4.7 | 4.5 | 4.3 | 4.0 | 3.0 | 2.8 | 2.2 | 1.6 | 1.4 | 1.0 |
| | Median | 9.0 | 9.0 | 3.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| POINT HOPE | Count | | 1 | | | | | 1 | 2 | | 2 | | | 1 | 2 | 2 | 2 | 2 | 1 | 1 |
| | Pct | | 0.1% | | | | | 0.1% | 0.3% | | 0.3% | | | 0.2% | 0.3% | 0.3% | 0.3% | 0.3% | | |
| | Mean | | 5.0 | | | | | 1.0 | 1.0 | | 2.0 | | | 6.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | Median | | 5.0 | | | | | 1.0 | 1.0 | | 2.0 | | | 6.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| POINT LAY | Count | | | | | | | | | | | | 1 | | | 1 | | | | |
| | Pct | | | | | | | | | | | | 0.7% | | | 0.7% | | | | |
| | Mean | | | | | | | | | | | | 1.0 | | | 3.0 | | | | |
| | Median | | | | | | | | | | | | 1.0 | | | 3.0 | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| POPE | Count | | | | | | | | | | | | 1 | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | 3.0 | | | | | | | |
| | Median | | | | | | | | | | | | 3.0 | | | | | | | |
| PORT ALEXANDER | Count | 22 | 21 | 24 | 16 | 20 | 20 | 26 | 27 | 22 | 23 | 34 | 36 | 46 | 43 | 52 | 53 | 53 | 44 | 53 |
| | Pct | 27.2% | 25.9% | 29.6% | 19.8% | 24.7% | 24.7% | 32.1% | 22.7% | 18.5% | 19.3% | 28.6% | 30.3% | 38.7% | 36.1% | 43.7% | 44.5% | 44.5% | | |
| | Mean | 5.3 | 6.1 | 5.9 | 7.9 | 7.2 | 6.0 | 4.7 | 4.7 | 5.2 | 3.4 | 3.8 | 3.4 | 3.3 | 3.3 | 2.6 | 2.3 | 1.9 | 1.5 | 1.0 |
| | Median | 3.0 | 5.0 | 3.5 | 7.0 | 6.5 | 4.0 | 3.5 | 4.0 | 4.5 | 2.0 | 3.0 | 2.5 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| PORT ALSWORTH | Count | 1 | | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 5 | 5 | 5 | 4 | 4 | 6 | 7 | 3 | 6 |
| | Pct | 1.0% | | 1.0% | 2.9% | 1.9% | 1.0% | 1.9% | 5.5% | 3.6% | 5.5% | 9.1% | 9.1% | 9.1% | 7.3% | 7.3% | 10.9% | 12.7% | | |
| | Mean | 4.0 | | 10.0 | 2.0 | 1.5 | 1.0 | 3.0 | 2.7 | 1.5 | 4.0 | 6.6 | 3.2 | 4.2 | 4.3 | 3.5 | 2.3 | 1.7 | 1.7 | 1.0 |
| | Median | 4.0 | | 10.0 | 2.0 | 1.5 | 1.0 | 3.0 | 2.0 | 1.5 | 1.0 | 7.0 | 2.0 | 3.0 | 4.5 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| PORT BAILEY | Count | | | | | | | | | 1 | 1 | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 9.0 | 8.0 | | | | 4.0 | | | | | |
| | Median | | | | | | | | | 9.0 | 8.0 | | | | 4.0 | | | | | |
| PORT GRAHAM | Count | 1 | 3 | 9 | 9 | 6 | 11 | 11 | 18 | 14 | 15 | 16 | 20 | | 2 | 2 | | | 1 | 1 |
| | Pct | 0.6% | 1.8% | 5.3% | 5.3% | 3.5% | 6.4% | 6.4% | 10.8% | 8.4% | 9.0% | 9.6% | 12.0% | | 1.2% | 1.2% | | | | |
| | Mean | 12.0 | 6.3 | 4.9 | 5.2 | 3.0 | 3.5 | 4.1 | 3.9 | 3.7 | 3.3 | 3.4 | 2.6 | | 2.5 | 2.5 | | | 1.0 | 1.0 |
| | Median | 12.0 | 6.0 | 5.0 | 4.0 | 1.5 | 3.0 | 3.0 | 3.5 | 2.5 | 1.0 | 2.5 | 1.0 | | 2.5 | 2.5 | | | 1.0 | 1.0 |
| PORT HEIDEN | Count | 19 | 21 | 15 | 12 | 14 | 24 | 22 | 21 | 22 | 27 | 26 | 33 | 39 | 44 | 36 | 36 | 31 | 34 | 29 |
| | Pct | 16.0% | 17.6% | 12.6% | 10.1% | 11.8% | 20.2% | 18.5% | 17.6% | 18.5% | 22.7% | 21.8% | 27.7% | 32.8% | 37.0% | 30.3% | 30.3% | 26.1% | | |
| | Mean | 6.5 | 6.6 | 7.3 | 10.1 | 7.2 | 6.0 | 6.4 | 6.7 | 5.9 | 5.6 | 5.3 | 4.2 | 3.5 | 3.3 | 3.0 | 2.8 | 2.0 | 1.6 | 1.0 |
| | Median | 5.0 | 5.0 | 6.0 | 11.0 | 5.0 | 5.0 | 6.0 | 8.0 | 6.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.5 | 3.0 | 2.0 | 2.0 | 1.0 |
| PORT LIONS | Count | 17 | 21 | 21 | 24 | 25 | 27 | 38 | 49 | 51 | 52 | 68 | 66 | 78 | 77 | 69 | 81 | 93 | 74 | 81 |
| | Pct | 6.6% | 8.2% | 8.2% | 9.4% | 9.8% | 10.5% | 14.8% | 22.1% | 23.0% | 23.4% | 30.6% | 29.7% | 35.1% | 34.7% | 31.1% | 36.5% | 41.9% | | |
| | Mean | 8.2 | 7.9 | 7.7 | 7.2 | 7.7 | 6.6 | 6.6 | 6.5 | 6.5 | 5.0 | 4.4 | 4.8 | 3.9 | 3.6 | 3.3 | 2.7 | 2.1 | 1.5 | 1.0 |
| | Median | 9.0 | 8.0 | 9.0 | 8.0 | 8.0 | 7.0 | 6.0 | 7.0 | 7.0 | 4.0 | 3.5 | 6.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| PORT MOLLER | Count | | | | | | | | 1 | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 1.0 | | | | | | 1.0 | | | | | |
| | Median | | | | | | | | 1.0 | | | | | | 1.0 | | | | | |
| PORT PROTECTION | Count | | 1 | 1 | | | | | 1 | | | | 1 | | 1 | | | | | |
| | Pct | | 1.6% | 1.6% | | | | | 1.6% | | | | 1.6% | | 1.6% | | | | | |
| | Mean | | 8.0 | 1.0 | | | | | 2.0 | | | | 6.0 | | 2.0 | | | | | |
| | Median | | 8.0 | 1.0 | | | | | 2.0 | | | | 6.0 | | 2.0 | | | | | |
| PORTAGE CREEK | Count | 3 | 4 | 6 | 4 | 2 | 1 | 2 | 2 | 1 | 3 | 5 | | | | | | | | |
| | Pct | 8.3% | 11.1% | 16.7% | 11.1% | 5.6% | 2.8% | 5.6% | 40.0% | 20.0% | 60.0% | 100.0% | | | | | | | | |
| | Mean | 11.7 | 6.5 | 6.7 | 5.5 | 5.5 | 4.0 | 3.5 | 3.5 | 8.0 | 3.0 | 4.2 | | | | | | | | |
| | Median | 10.0 | 6.5 | 7.5 | 6.5 | 5.5 | 4.0 | 3.5 | 3.5 | 8.0 | 1.0 | 4.0 | | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| POST | Count | | | | | | | | | | | | | | 1 | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | 1.0 | | | | | |
| | Median | | | | | | | | | | | | | | 1.0 | | | | | |
| PRUDHOE BAY | Count | | | | 1 | | 1 | | | | | 1 | | | | | 3 | 1 | 1 | 3 |
| | Pct | | | | 20.0% | | 20.0% | | | | | 2.1% | | | | | 6.4% | 2.1% | | |
| | Mean | | | | 1.0 | | 1.0 | | | | | 1.0 | | | | | 2.0 | 3.0 | 2.0 | 1.0 |
| | Median | | | | 1.0 | | 1.0 | | | | | 1.0 | | | | | 1.0 | 3.0 | 2.0 | 1.0 |
| PSA | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 2.0 | | |
| | Median | | | | | | | | | | | | | | | | | 2.0 | | |
| PSG | Count | | | | | | | | 1 | | | | | | | | | 2 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 10.0 | | | | | | | | | 1.5 | | |
| | Median | | | | | | | | 10.0 | | | | | | | | | 1.5 | | |
| QUINHAGAK | Count | 52 | 52 | 37 | 50 | 36 | 36 | 55 | 66 | 58 | 72 | 82 | 116 | 94 | 86 | 113 | 105 | 112 | 114 | 100 |
| | Pct | 9.4% | 9.4% | 6.7% | 9.0% | 6.5% | 6.5% | 9.9% | 13.2% | 11.6% | 14.4% | 16.4% | 23.2% | 18.8% | 17.2% | 22.6% | 21.0% | 22.4% | | |
| | Mean | 5.0 | 4.6 | 4.4 | 4.9 | 3.4 | 4.8 | 4.7 | 5.1 | 5.1 | 4.7 | 4.9 | 4.0 | 4.4 | 4.2 | 3.4 | 2.9 | 2.3 | 1.7 | 1.0 |
| | Median | 3.0 | 3.5 | 3.0 | 3.5 | 2.0 | 4.0 | 3.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.5 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| RAMPART | Count | 1 | | | | | | | 1 | | | 2 | 2 | 2 | 1 | 5 | | 2 | 1 | 4 |
| | Pct | 2.2% | | | | | | | 1.5% | | | 2.9% | 2.9% | 2.9% | 1.5% | 7.4% | | 2.9% | | |
| | Mean | 4.0 | | | | | | | 2.0 | | | 6.5 | 5.0 | 2.5 | 2.0 | 1.4 | | 1.5 | 1.0 | 1.0 |
| | Median | 4.0 | | | | | | | 2.0 | | | 6.5 | 5.0 | 2.5 | 2.0 | 1.0 | | 1.5 | 1.0 | 1.0 |
| RED DEVIL | Count | | | | | | | | | | | | | 1 | 3 | 1 | 1 | 3 | 6 | 6 |
| | Pct | | | | | | | | | | | | | 1.9% | 5.7% | 1.9% | 1.9% | 5.7% | | |
| | Mean | | | | | | | | | | | | | 3.0 | 3.3 | 1.0 | 4.0 | 1.7 | 1.3 | 1.0 |
| | Median | | | | | | | | | | | | | 3.0 | 3.0 | 1.0 | 4.0 | 1.0 | 1.0 | 1.0 |
| RSFDFWER<AVFDW<VFD | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 4.0 | | | | |
| | Median | | | | | | | | | | | | | | | 4.0 | | | | |
| RUBY | Count | 1 | 2 | | 4 | | 1 | 2 | 5 | | 7 | 3 | 4 | 6 | 6 | 6 | 3 | 4 | 7 | 20 |
| | Pct | 0.5% | 1.1% | | 2.1% | | 0.5% | 1.1% | 2.9% | | 4.1% | 1.8% | 2.4% | 3.5% | 3.5% | 3.5% | 1.8% | 2.4% | | |
| | Mean | 1.0 | 3.0 | | 2.8 | | 3.0 | 3.0 | 1.6 | | 1.9 | 1.0 | 3.0 | 2.2 | 1.7 | 2.8 | 2.0 | 2.5 | 1.4 | 1.0 |
| | Median | 1.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | 1.0 | | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 |
| RUSSIAN MISSION | Count | 19 | 26 | 12 | 21 | 18 | 1 | 20 | 32 | 26 | 20 | 34 | 29 | 19 | 40 | 43 | 46 | 45 | 4 | 45 |
| | Pct | 6.4% | 8.8% | 4.1% | 7.1% | 6.1% | 0.3% | 6.8% | 13.0% | 10.6% | 8.1% | 13.8% | 11.8% | 7.7% | 16.3% | 17.5% | 18.7% | 18.3% | | |
| | Mean | 4.8 | 4.0 | 4.2 | 6.2 | 4.9 | 2.0 | 4.9 | 3.8 | 4.2 | 3.7 | 3.6 | 2.7 | 4.2 | 3.0 | 2.6 | 2.0 | 1.5 | 1.3 | 1.0 |
| | Median | 4.0 | 2.5 | 4.5 | 5.0 | 4.5 | 2.0 | 4.5 | 3.0 | 4.5 | 3.0 | 4.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| SAINT GEORGE ISL | Count | 5 | 4 | 9 | 9 | 6 | 11 | 3 | 7 | 5 | 8 | 2 | 8 | 8 | 5 | 4 | | 6 | 3 | 3 |
| | Pct | 3.3% | 2.6% | 5.9% | 5.9% | 3.9% | 7.2% | 2.0% | 5.1% | 3.6% | 5.8% | 1.4% | 5.8% | 5.8% | 3.6% | 2.9% | | 4.3% | | |
| | Mean | 5.4 | 3.8 | 3.8 | 3.0 | 3.7 | 2.2 | 2.3 | 2.7 | 2.2 | 2.3 | 2.0 | 1.6 | 2.0 | 2.0 | 1.3 | | 1.0 | 1.0 | 1.0 |
| | Median | 4.0 | 3.5 | 3.0 | 2.0 | 4.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 |
| SAINT MARYS | Count | 78 | 88 | 96 | 96 | 87 | 2 | 92 | 117 | 98 | 113 | 104 | 106 | 124 | 127 | 165 | 158 | 141 | 161 | 147 |
| | Pct | 15.6% | 17.6% | 19.2% | 19.2% | 17.4% | 0.4% | 18.4% | 26.5% | 22.2% | 25.6% | 23.6% | 24.0% | 28.1% | 28.8% | 37.4% | 35.8% | 32.0% | | |
| | Mean | 7.2 | 7.0 | 6.7 | 6.5 | 6.5 | 9.0 | 6.6 | 5.5 | 6.1 | 4.8 | 5.1 | 4.3 | 4.5 | 3.8 | 3.2 | 2.7 | 2.3 | 1.6 | 1.0 |
| | Median | 6.0 | 5.5 | 6.0 | 5.5 | 6.0 | 9.0 | 6.5 | 5.0 | 7.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| SAINT MICHAEL | Count | 11 | 8 | 3 | 12 | 5 | 12 | 13 | 9 | 12 | 32 | 34 | 27 | 33 | 33 | 7 | 46 | 40 | 47 | 51 |
| | Pct | 3.0% | 2.2% | 0.8% | 3.3% | 1.4% | 3.3% | 3.5% | 3.1% | 4.1% | 10.8% | 11.5% | 9.2% | 11.2% | 11.2% | 2.4% | 15.6% | 13.6% | | |
| | Mean | 4.5 | 6.4 | 3.3 | 7.2 | 6.2 | 5.2 | 4.6 | 3.9 | 5.3 | 4.3 | 4.3 | 4.1 | 3.7 | 3.1 | 3.9 | 2.6 | 2.2 | 1.6 | 1.0 |
| | Median | 4.0 | 6.0 | 1.0 | 8.0 | 7.0 | 4.5 | 4.0 | 2.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| SAINT PAUL ISLAND | Count | 36 | 35 | 32 | 50 | 51 | 58 | 63 | 59 | 53 | 59 | 58 | 55 | 27 | 28 | 32 | 20 | 19 | 5 | 5 |
| | Pct | 6.8% | 6.6% | 6.0% | 9.4% | 9.6% | 10.9% | 11.8% | 7.7% | 6.9% | 7.7% | 7.6% | 7.2% | 3.5% | 3.7% | 4.2% | 2.6% | 2.5% | | |
| | Mean | 7.2 | 5.9 | 5.3 | 5.0 | 5.0 | 4.8 | 3.9 | 3.5 | 3.2 | 2.6 | 2.4 | 1.9 | 2.7 | 2.1 | 1.4 | 1.6 | 1.2 | 1.0 | 1.0 |
| | Median | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SALCHA | Count | 2 | 5 | 2 | 2 | 2 | 2 | 3 | 2 | | 1 | 5 | 5 | 4 | 4 | 9 | 10 | 6 | 4 | 2 |
| | Pct | 0.2% | 0.6% | 0.2% | 0.2% | 0.2% | 0.2% | 0.4% | 0.6% | | 0.3% | 1.4% | 1.4% | 1.1% | 1.1% | 2.5% | 2.8% | 1.7% | | |
| | Mean | 8.5 | 5.0 | 8.5 | 7.5 | 6.5 | 5.0 | 4.0 | 1.0 | | 1.0 | 2.0 | 2.0 | 1.8 | 2.3 | 1.8 | 1.8 | 1.5 | 1.3 | 1.0 |
| | Median | 8.5 | 3.0 | 8.5 | 7.5 | 6.5 | 5.0 | 2.0 | 1.0 | | 1.0 | 1.0 | 2.0 | 1.5 | 2.0 | 1.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| SALEM | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 3.0 | | | | |
| | Median | | | | | | | | | | | | | | | 3.0 | | | | |
| SAND POINT | Count | 130 | 130 | 126 | 133 | 144 | 175 | 195 | 200 | 199 | 172 | 181 | 209 | 240 | 223 | 233 | 250 | 228 | 246 | 134 |
| | Pct | 13.7% | 13.7% | 13.2% | 14.0% | 15.1% | 18.4% | 20.5% | 22.8% | 22.7% | 19.6% | 20.6% | 23.8% | 27.3% | 25.4% | 26.5% | 28.5% | 26.0% | | |
| | Mean | 8.3 | 7.9 | 8.4 | 7.5 | 7.4 | 6.8 | 6.7 | 6.3 | 5.9 | 5.4 | 4.9 | 4.4 | 4.2 | 3.6 | 3.1 | 2.5 | 1.9 | 1.4 | 1.0 |
| | Median | 8.0 | 7.5 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.5 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| SAVOONGA | Count | 5 | | | | | | 3 | 15 | 20 | 25 | 26 | 23 | 24 | 2 | 2 | 1 | 1 | 4 | 3 |
| | Pct | 0.8% | | | | | | 0.5% | 2.9% | 3.9% | 4.8% | 5.0% | 4.4% | 4.6% | 0.4% | 0.4% | 0.2% | 0.2% | | |
| | Mean | 1.0 | | | | | | 4.7 | 2.7 | 1.9 | 1.6 | 1.5 | 1.3 | 1.0 | 1.0 | 5.0 | 4.0 | 3.0 | 1.5 | 1.0 |
| | Median | 1.0 | | | | | | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | 4.0 | 3.0 | 1.5 | 1.0 |
| SAXMAN | Count | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | |
| | Pct | | | | | | | | | 0.3% | 0.3% | 0.3% | | | 0.3% | | | | | |
| | Mean | | | | | | | | | 1.0 | 1.0 | 1.0 | | | 3.0 | | | | | |
| | Median | | | | | | | | | 1.0 | 1.0 | 1.0 | | | 3.0 | | | | | |
| SCAMMON BAY | Count | 39 | 29 | 17 | 9 | 22 | 13 | 25 | 51 | 34 | 18 | 72 | 57 | 57 | 55 | 57 | 52 | 36 | 60 | 54 |
| | Pct | 8.4% | 6.2% | 3.7% | 1.9% | 4.7% | 2.8% | 5.4% | 14.9% | 9.9% | 5.2% | 21.0% | 16.6% | 16.6% | 16.0% | 16.6% | 15.2% | 10.5% | | |
| | Mean | 3.9 | 2.6 | 5.2 | 3.0 | 5.4 | 6.3 | 6.0 | 4.5 | 4.7 | 4.6 | 3.8 | 3.8 | 3.7 | 3.2 | 2.8 | 2.5 | 2.0 | 1.5 | 1.0 |
| | Median | 2.0 | 1.0 | 4.0 | 2.0 | 4.5 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| SEA | Count | | | | | | | | | | | | | | | 1 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 4.0 | | | | |
| | Median | | | | | | | | | | | | | | | 4.0 | | | | |
| SEAL BAY | Count | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | 9.0 | 8.0 | 7.0 | 6.0 | 4.0 | 2.3 | 2.0 | 2.0 | | | | | | | | | 1.0 | | |
| | Median | 9.0 | 8.0 | 7.0 | 6.0 | 4.0 | 2.0 | 2.0 | 2.0 | | | | | | | | | 1.0 | | |
| SELAWIK | Count | 3 | | 4 | | 1 | 6 | 5 | 2 | 4 | 5 | 3 | 3 | 6 | 6 | 6 | 5 | 3 | 11 | 14 |
| | Pct | 0.4% | | 0.5% | | 0.1% | 0.8% | 0.6% | 0.3% | 0.7% | 0.8% | 0.5% | 0.5% | 1.0% | 1.0% | 1.0% | 0.8% | 0.5% | | |
| | Mean | 4.3 | | 2.8 | | 1.0 | 2.3 | 3.2 | 4.0 | 3.0 | 1.8 | 2.3 | 1.7 | 2.3 | 1.3 | 1.7 | 1.4 | 2.0 | 1.5 | 1.0 |
| | Median | 3.0 | | 2.0 | | 1.0 | 2.0 | 1.0 | 4.0 | 2.5 | 1.0 | 2.0 | 1.0 | 2.5 | 1.0 | 1.5 | 1.0 | 2.0 | 2.0 | 1.0 |
| SELDOVIA | Count | 36 | 36 | 34 | 31 | 24 | 41 | 44 | 51 | 61 | 73 | 68 | 49 | 73 | 91 | 112 | 105 | 122 | 92 | 82 |
| | Pct | 12.6% | 12.6% | 11.9% | 10.8% | 8.4% | 14.3% | 15.4% | 16.1% | 19.3% | 23.1% | 21.5% | 15.5% | 23.1% | 28.8% | 35.4% | 33.2% | 38.6% | | |
| | Mean | 7.7 | 5.9 | 7.0 | 6.5 | 7.0 | 6.6 | 6.3 | 5.5 | 4.5 | 3.9 | 3.6 | 3.9 | 3.8 | 3.4 | 2.6 | 2.3 | 1.8 | 1.3 | 1.0 |
| | Median | 6.0 | 4.5 | 5.5 | 6.0 | 6.0 | 6.0 | 5.5 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| SEWARD | Count | 129 | 116 | 113 | 111 | 115 | 144 | 188 | 172 | 183 | 214 | 209 | 220 | 263 | 275 | 392 | 362 | 391 | 272 | 368 |
| | Pct | 4.6% | 4.1% | 4.0% | 3.9% | 4.1% | 5.1% | 6.6% | 6.4% | 6.8% | 7.9% | 7.7% | 8.2% | 9.7% | 10.2% | 14.5% | 13.4% | 14.5% | | |
| | Mean | 5.8 | 5.7 | 6.2 | 6.2 | 6.0 | 5.8 | 5.0 | 5.2 | 4.1 | 3.7 | 3.8 | 3.1 | 3.0 | 2.9 | 2.3 | 2.2 | 1.7 | 1.4 | 1.0 |
| | Median | 4.0 | 3.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| SHAGELUK | Count | | | 1 | 1 | 1 | | | | | | 6 | 2 | 5 | 2 | 9 | 3 | 4 | 4 | 7 |
| | Pct | | | 0.8% | 0.8% | 0.8% | | | | | | 4.3% | 1.4% | 3.6% | 1.4% | 6.5% | 2.2% | 2.9% | | |
| | Mean | | | 5.0 | 1.0 | 1.0 | | | | | | 1.5 | 1.0 | 1.8 | 2.0 | 2.1 | 1.7 | 1.0 | 1.5 | 1.0 |
| | Median | | | 5.0 | 1.0 | 1.0 | | | | | | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.5 | 1.0 |
| SHAKTOOLIK | Count | 44 | 49 | 10 | 43 | 36 | 39 | 38 | 47 | 27 | 51 | 59 | 52 | 50 | 49 | 22 | 48 | 39 | 42 | 45 |
| | Pct | 19.1% | 21.3% | 4.3% | 18.7% | 15.7% | 17.0% | 16.5% | 26.4% | 15.2% | 28.7% | 33.1% | 29.2% | 28.1% | 27.5% | 12.4% | 27.0% | 21.9% | | |
| | Mean | 5.5 | 5.7 | 5.6 | 6.7 | 6.1 | 5.8 | 5.8 | 5.8 | 5.2 | 4.9 | 4.6 | 3.4 | 3.9 | 3.7 | 3.3 | 3.0 | 2.6 | 1.8 | 1.0 |
| | Median | 4.5 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 3.0 | 3.5 | 4.0 | 4.0 | 3.5 | 3.0 | 2.0 | 1.0 |
| SHELDON POINT | Count | | 1 | | 1 | 1 | | 3 | 13 | 23 | 13 | 29 | 20 | 1 | | | | 1 | | |
| | Pct | | 0.6% | | 0.6% | 0.6% | | 1.8% | 11.9% | 21.1% | 11.9% | 26.6% | 18.3% | 0.9% | | | | 0.9% | | |
| | Mean | | 10.0 | | 7.0 | 8.0 | | 9.7 | 5.8 | 4.5 | 5.4 | 4.0 | 3.0 | 4.0 | | | | 1.0 | | |
| | Median | | 10.0 | | 7.0 | 8.0 | | 9.0 | 7.0 | 4.0 | 5.0 | 4.0 | 2.0 | 4.0 | | | | 1.0 | | |
| SHELTER COVE | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 1.0 | | |
| | Median | | | | | | | | | | | | | | | | | 1.0 | | |
| SHIRLYVILLE | Count | | | | | | | | | | | | 1 | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | 1.0 | | | | | | | |
| | Median | | | | | | | | | | | | 1.0 | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| SHISHMAREF | Count | | 1 | | | | | 1 | | | 1 | | 3 | | 4 | 1 | 2 | 1 | 5 | 3 |
| | Pct | | 0.2% | | | | | 0.2% | | | 0.2% | | 0.7% | | 0.9% | 0.2% | 0.4% | 0.2% | | |
| | Mean | | 1.0 | | | | | 1.0 | | | 1.0 | | 1.0 | | 1.5 | 1.0 | 1.0 | 1.0 | 1.4 | 1.0 |
| | Median | | 1.0 | | | | | 1.0 | | | 1.0 | | 1.0 | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SHUNGNAK | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| SITKA | Count | 566 | 571 | 580 | 510 | 506 | 624 | 624 | 618 | 647 | 701 | 722 | 788 | 940 | 858 | 917 | 970 | 943 | 940 | 938 |
| | Pct | 6.4% | 6.5% | 6.6% | 5.8% | 5.7% | 7.1% | 7.1% | 7.2% | 7.5% | 8.2% | 8.4% | 9.2% | 10.9% | 10.0% | 10.7% | 11.3% | 11.0% | | |
| | Mean | 5.8 | 5.6 | 5.7 | 5.7 | 5.3 | 4.8 | 4.8 | 4.8 | 4.5 | 4.1 | 3.8 | 3.3 | 3.2 | 3.0 | 2.7 | 2.2 | 1.9 | 1.5 | 1.0 |
| | Median | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| SKAGWAY | Count | 9 | 4 | 5 | 9 | 7 | 4 | 7 | 4 | 2 | 2 | 2 | 1 | 3 | 4 | 3 | 7 | 6 | 4 | 8 |
| | Pct | 1.0% | 0.5% | 0.6% | 1.0% | 0.8% | 0.5% | 0.8% | 0.6% | 0.3% | 0.3% | 0.3% | 0.1% | 0.4% | 0.6% | 0.4% | 1.0% | 0.9% | | |
| | Mean | 3.0 | 4.3 | 3.0 | 2.3 | 2.4 | 1.5 | 2.7 | 1.3 | 3.0 | 2.5 | 2.0 | 2.0 | 4.3 | 3.5 | 1.7 | 1.6 | 1.0 | 1.3 | 1.0 |
| | Median | 1.0 | 3.5 | 2.0 | 2.0 | 1.0 | 1.5 | 1.0 | 1.0 | 3.0 | 2.5 | 2.0 | 2.0 | 5.0 | 3.5 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| SKWENTNA | Count | | | | | | | | | | 1 | 1 | 1 | 5 | 2 | 4 | 6 | 12 | 5 | 11 |
| | Pct | | | | | | | | | | 1.2% | 1.2% | 1.2% | 5.9% | 2.4% | 4.7% | 7.1% | 14.1% | | |
| | Mean | | | | | | | | | | 5.0 | 1.0 | 1.0 | 3.4 | 3.5 | 3.5 | 3.3 | 1.8 | 1.4 | 1.0 |
| | Median | | | | | | | | | | 5.0 | 1.0 | 1.0 | 2.0 | 3.5 | 3.5 | 4.0 | 1.5 | 1.0 | 1.0 |
| SLANA | Count | | 2 | 1 | 1 | | | 3 | 2 | 3 | 4 | 3 | 3 | | | | | | 1 | |
| | Pct | | 1.6% | 0.8% | 0.8% | | | 2.4% | 3.2% | 4.8% | 6.3% | 4.8% | 4.8% | | | | | | | |
| | Mean | | 13.0 | 12.0 | 12.0 | | | 9.3 | 5.5 | 7.7 | 3.5 | 5.3 | 3.0 | | | | | | 1.0 | |
| | Median | | 13.0 | 12.0 | 12.0 | | | 11.0 | 5.5 | 9.0 | 2.5 | 7.0 | 2.0 | | | | | | 1.0 | |
| SLEETMUTE | Count | | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 3 |
| | Pct | | | | | | | | | | | | 1.9% | 1.9% | 1.9% | 1.9% | 1.9% | 0.9% | | |
| | Mean | | | | | | | | | | | | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.3 | 1.0 |
| | Median | | | | | | | | | | | | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 |
| SOLDOTNA | Count | 176 | 229 | 235 | 207 | 168 | 235 | 249 | 269 | 266 | 330 | 354 | 346 | 372 | 418 | 479 | 425 | 526 | 526 | 520 |
| | Pct | 4.7% | 6.1% | 6.3% | 5.5% | 4.5% | 6.3% | 6.6% | 7.7% | 7.6% | 9.5% | 10.2% | 9.9% | 10.7% | 12.0% | 13.8% | 12.2% | 15.1% | | |
| | Mean | 3.8 | 3.5 | 3.7 | 3.9 | 3.9 | 3.8 | 3.4 | 3.3 | 3.3 | 3.2 | 2.8 | 2.6 | 2.7 | 2.6 | 2.2 | 2.0 | 1.7 | 1.3 | 1.0 |
| | Median | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| SOUTH NAKNEK | Count | 28 | 25 | 35 | 41 | 41 | 16 | 35 | 56 | 40 | 54 | 47 | 44 | 40 | 51 | 55 | 45 | 56 | 42 | 52 |
| | Pct | 20.4% | 18.2% | 25.5% | 29.9% | 29.9% | 11.7% | 25.5% | 41.2% | 29.4% | 39.7% | 34.6% | 32.4% | 29.4% | 37.5% | 40.4% | 33.1% | 41.2% | | |
| | Mean | 8.0 | 9.6 | 8.4 | 7.6 | 6.5 | 5.6 | 6.2 | 5.7 | 6.4 | 5.4 | 4.4 | 4.2 | 4.0 | 3.8 | 3.5 | 3.1 | 2.1 | 1.7 | 1.0 |
| | Median | 6.5 | 10.0 | 8.0 | 7.0 | 5.0 | 3.0 | 7.0 | 5.0 | 7.0 | 5.5 | 4.0 | 4.0 | 4.5 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| SPENARD | Count | | | | | | | 1 | | | | | | | | | | | | |
| | Pct | | | | | | | 0.0% | | | | | | | | | | | | |
| | Mean | | | | | | | 1.0 | | | | | | | | | | | | |
| | Median | | | | | | | 1.0 | | | | | | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| STEBBINS | Count | 5 | 19 | 15 | 12 | 19 | 17 | 16 | 36 | 20 | 51 | 50 | 42 | 39 | 44 | 23 | 24 | 50 | 45 | 48 |
| | Pct | 0.9% | 3.5% | 2.7% | 2.2% | 3.5% | 3.1% | 2.9% | 9.0% | 5.0% | 12.8% | 12.5% | 10.5% | 9.8% | 11.0% | 5.8% | 6.0% | 12.5% | | |
| | Mean | 8.0 | 4.7 | 5.1 | 5.4 | 5.4 | 4.3 | 5.6 | 3.9 | 5.2 | 3.3 | 3.0 | 2.8 | 2.9 | 2.7 | 2.6 | 2.6 | 1.9 | 1.6 | 1.0 |
| | Median | 3.0 | 2.0 | 3.0 | 4.5 | 5.0 | 3.0 | 5.0 | 4.0 | 5.0 | 3.0 | 2.5 | 1.5 | 2.0 | 2.0 | 2.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| STERLING | Count | 49 | 52 | 49 | 28 | 36 | 36 | 45 | 63 | 49 | 61 | 46 | 52 | 48 | 51 | 74 | 62 | 61 | 72 | 68 |
| | Pct | 1.0% | 1.1% | 1.0% | 0.6% | 0.8% | 0.8% | 1.0% | 1.7% | 1.3% | 1.6% | 1.2% | 1.4% | 1.3% | 1.3% | 1.9% | 1.6% | 1.6% | | |
| | Mean | 3.5 | 4.3 | 4.7 | 4.4 | 4.2 | 4.0 | 3.8 | 3.3 | 3.3 | 2.8 | 3.1 | 2.7 | 2.8 | 2.5 | 1.8 | 1.9 | 1.6 | 1.3 | 1.0 |
| | Median | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | 2.5 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.5 | 2.0 | 1.0 | 1.5 | 1.0 | 1.0 | 1.0 |
| STEVENS VILLAGE | Count | | | | | | | | | | | | | 1 | 1 | 1 | 2 | | | 1 |
| | Pct | | | | | | | | | | | | | 1.0% | 1.0% | 1.0% | 2.0% | | | |
| | Mean | | | | | | | | | | | | | 1.0 | 5.0 | 1.0 | 1.0 | | | 1.0 |
| | Median | | | | | | | | | | | | | 1.0 | 5.0 | 1.0 | 1.0 | | | 1.0 |
| STONY RIVER | Count | 1 | 1 | 1 | 1 | | | | | | 1 | | 1 | | | | 1 | | 1 | |
| | Pct | 1.6% | 1.6% | 1.6% | 1.6% | | | | | | 2.0% | | 2.0% | | | | 2.0% | | | |
| | Mean | 5.0 | 4.0 | 3.0 | 2.0 | | | | | | 2.0 | | 1.0 | | | | 1.0 | | 1.0 | |
| | Median | 5.0 | 4.0 | 3.0 | 2.0 | | | | | | 2.0 | | 1.0 | | | | 1.0 | | 1.0 | |
| STUYAHOK | Count | | | | | | | | | | | | | | | | | | | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | | 1.0 |
| SUTTON | Count | 4 | 1 | 3 | 2 | 7 | 3 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 12 | 11 | 10 | 6 | 7 | 9 |
| | Pct | | | | | | | | 1.3% | 1.3% | 1.3% | 1.9% | 1.9% | 1.9% | 3.9% | 3.6% | 3.2% | 1.9% | | |
| | Mean | 1.3 | 1.0 | 2.0 | 5.0 | 1.4 | 1.3 | 4.0 | 3.3 | 4.0 | 1.5 | 4.2 | 3.3 | 2.7 | 2.5 | 3.1 | 2.4 | 1.7 | 1.1 | 1.0 |
| | Median | 1.0 | 1.0 | 1.0 | 5.0 | 1.0 | 1.0 | 4.5 | 2.5 | 3.5 | 1.5 | 4.5 | 2.5 | 2.5 | 1.5 | 3.0 | 3.0 | 2.0 | 1.0 | 1.0 |
| TAKOTNA | Count | | | | | | | | 1 | | | | | 1 | | 1 | 1 | 1 | 4 | 2 |
| | Pct | | | | | | | | 2.6% | | | | | 2.6% | | 2.6% | 2.6% | 2.6% | | |
| | Mean | | | | | | | | 1.0 | | | | | 1.0 | | 4.0 | 3.0 | 1.0 | 1.8 | 1.0 |
| | Median | | | | | | | | 1.0 | | | | | 1.0 | | 4.0 | 3.0 | 1.0 | 2.0 | 1.0 |
| TALKEETNA | Count | 1 | 5 | 3 | 4 | 8 | 7 | 14 | 11 | 12 | 16 | 15 | 9 | 24 | 18 | 19 | 19 | 27 | 27 | 23 |
| | Pct | 0.1% | 0.6% | 0.4% | 0.5% | 1.0% | 0.9% | 1.8% | 4.4% | 4.8% | 6.4% | 6.0% | 3.6% | 9.6% | 7.2% | 7.6% | 7.6% | 10.8% | | |
| | Mean | 14.0 | 8.2 | 13.0 | 7.3 | 3.1 | 3.6 | 3.0 | 3.1 | 3.8 | 2.5 | 3.1 | 3.1 | 2.8 | 2.5 | 2.5 | 2.2 | 1.6 | 1.3 | 1.0 |
| | Median | 14.0 | 12.0 | 13.0 | 7.5 | 2.0 | 2.0 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| TANACROSS | Count | | | | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | Pct | | | | 0.7% | | | | | | | 0.9% | 0.9% | 0.9% | 0.9% | 0.9% | 0.9% | 0.9% | | |
| | Mean | | | | 1.0 | | | | | | | 8.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | | |
| | Median | | | | 1.0 | | | | | | | 8.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | | |
| TANANA | Count | 1 | | | | | 1 | 2 | 2 | 1 | 1 | 2 | 7 | 3 | 3 | 4 | 4 | 9 | 15 | 11 |
| | Pct | 0.3% | | | | | 0.3% | 0.6% | 0.6% | 0.3% | 0.3% | 0.6% | 2.0% | 0.9% | 0.9% | 1.2% | 1.2% | 2.6% | | |
| | Mean | 1.0 | | | | | 1.0 | 2.0 | 1.5 | 1.0 | 4.0 | 1.0 | 2.1 | 2.7 | 3.3 | 3.3 | 2.3 | 1.9 | 1.4 | 1.0 |
| | Median | 1.0 | | | | | 1.0 | 2.0 | 1.5 | 1.0 | 4.0 | 1.0 | 2.0 | 2.0 | 4.0 | 3.5 | 2.0 | 2.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| TATITLEK | Count | 10 | 8 | 3 | 7 | 8 | 11 | 14 | 7 | 9 | 10 | 10 | 7 | 9 | 2 | 21 | 26 | 27 | 22 | 26 |
| | Pct | 9.3% | 7.5% | 2.8% | 6.5% | 7.5% | 10.3% | 13.1% | 5.9% | 7.6% | 8.4% | 8.4% | 5.9% | 7.6% | 1.7% | 17.6% | 21.8% | 22.7% | | |
| | Mean | 8.5 | 9.5 | 10.7 | 10.3 | 7.6 | 6.1 | 6.1 | 6.7 | 6.2 | 3.0 | 3.9 | 2.9 | 4.1 | 5.0 | 3.3 | 2.5 | 1.9 | 1.6 | 1.0 |
| | Median | 9.5 | 12.0 | 10.0 | 11.0 | 9.0 | 8.0 | 7.0 | 7.0 | 7.0 | 2.0 | 3.5 | 3.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| TELLER | Count | 2 | 1 | 1 | | | 1 | 1 | | 3 | | | 4 | 1 | | | 1 | 1 | 3 | 4 |
| | Pct | 0.7% | 0.4% | 0.4% | | | 0.4% | 0.4% | | 1.3% | | | 1.7% | 0.4% | | | 0.4% | 0.4% | | |
| | Mean | 1.0 | 1.0 | 1.0 | | | 2.0 | 1.0 | | 4.7 | | | 1.3 | 1.0 | | | 1.0 | 1.0 | 1.3 | 1.0 |
| | Median | 1.0 | 1.0 | 1.0 | | | 2.0 | 1.0 | | 2.0 | | | 1.0 | 1.0 | | | 1.0 | 1.0 | 1.0 | 1.0 |
| TENAKEE | Count | | | | | | | | | 1 | | | | 1 | | | | | | |
| | Pct | | | | | | | | | 1.1% | | | | 1.1% | | | | | | |
| | Mean | | | | | | | | | 1.0 | | | | 5.0 | | | | | | |
| | Median | | | | | | | | | 1.0 | | | | 5.0 | | | | | | |
| TENAKEE SPRINGS | Count | 9 | 9 | 6 | 8 | 8 | 16 | 16 | 18 | 17 | 25 | 19 | 21 | 21 | 18 | 17 | 19 | 14 | 13 | 16 |
| | Pct | 8.7% | 8.7% | 5.8% | 7.7% | 7.7% | 15.4% | 15.4% | | | | | | | | | | | | |
| | Mean | 4.6 | 5.3 | 8.2 | 7.3 | 4.6 | 5.7 | 4.9 | 4.2 | 3.8 | 2.6 | 3.3 | 3.9 | 2.9 | 2.9 | 2.8 | 2.2 | 2.1 | 1.5 | 1.0 |
| | Median | 2.0 | 2.0 | 9.0 | 7.5 | 4.5 | 5.5 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.5 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 |
| TETLIN | Count | | | | | | | | | | | | 1 | | 1 | | 1 | | | |
| | Pct | | | | | | | | | | | | 1.1% | | 1.1% | | 1.1% | | | |
| | Mean | | | | | | | | | | | | 1.0 | | 1.0 | | 3.0 | | | |
| | Median | | | | | | | | | | | | 1.0 | | 1.0 | | 3.0 | | | |
| THOMSEN HARBOR | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 1.0 | | |
| | Median | | | | | | | | | | | | | | | | | 1.0 | | |
| THORNE BAY | Count | 14 | 15 | 19 | 11 | 12 | 14 | 12 | 15 | 16 | 13 | 20 | 16 | 17 | 23 | 27 | 27 | 34 | 27 | 15 |
| | Pct | 2.5% | 2.7% | 3.4% | 2.0% | 2.2% | 2.5% | 2.2% | 2.6% | 2.8% | 2.3% | 3.5% | 2.8% | 3.0% | 4.0% | 4.7% | 4.7% | 6.0% | | |
| | Mean | 5.1 | 5.0 | 4.1 | 4.3 | 3.9 | 2.7 | 3.5 | 3.6 | 3.7 | 2.0 | 2.7 | 2.7 | 3.0 | 2.2 | 2.3 | 2.0 | 1.6 | 1.1 | 1.0 |
| | Median | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.5 | 2.5 | 3.0 | 2.5 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 |
| TOGIAK | Count | 139 | 141 | 132 | 135 | 103 | 121 | 128 | 130 | 108 | 109 | 106 | 100 | 86 | 105 | 80 | 97 | 103 | 80 | 74 |
| | Pct | 17.2% | 17.4% | 16.3% | 16.7% | 12.7% | 15.0% | 15.8% | 21.2% | 17.6% | 17.8% | 17.3% | 16.3% | 14.0% | 17.1% | 13.1% | 15.8% | 16.8% | | |
| | Mean | 5.6 | 6.2 | 5.7 | 5.3 | 5.2 | 4.9 | 4.8 | 4.1 | 3.8 | 3.7 | 3.6 | 2.9 | 3.3 | 2.7 | 2.5 | 2.2 | 1.7 | 1.4 | 1.0 |
| | Median | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| TOK | Count | 4 | 3 | 3 | 2 | 5 | 1 | 3 | 8 | 6 | 7 | 11 | 9 | 12 | 13 | 9 | 13 | 10 | 8 | 10 |
| | Pct | 0.3% | 0.2% | 0.2% | 0.1% | 0.4% | 0.1% | 0.2% | 0.9% | 0.6% | 0.7% | 1.2% | 1.0% | 1.3% | 1.4% | 1.0% | 1.4% | 1.1% | | |
| | Mean | 8.0 | 7.3 | 8.3 | 8.5 | 6.6 | 14.0 | 6.3 | 3.3 | 4.5 | 4.9 | 4.3 | 4.4 | 2.8 | 2.7 | 1.9 | 2.1 | 1.7 | 1.5 | 1.0 |
| | Median | 6.0 | 3.0 | 5.0 | 8.5 | 5.0 | 14.0 | 5.0 | 1.0 | 3.0 | 4.0 | 4.0 | 4.0 | 2.5 | 2.0 | 1.0 | 2.0 | 1.0 | 1.5 | 1.0 |
| TOKEEN | Count | | | | | | | | 1 | | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | 1.0 | | | | | | | | | | | |
| | Median | | | | | | | | 1.0 | | | | | | | | | | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| TOKSOOK BAY | Count | 44 | 46 | 42 | 35 | 45 | 57 | 82 | 81 | 79 | 86 | 86 | 89 | 79 | 72 | 86 | 39 | 44 | 93 | 92 |
| | Pct | 8.3% | 8.6% | 7.9% | 6.6% | 8.5% | 10.7% | 15.4% | 19.3% | 18.8% | 20.5% | 20.5% | 21.2% | 18.8% | 17.1% | 20.5% | 9.3% | 10.5% | | |
| | Mean | 6.5 | 6.3 | 6.4 | 6.5 | 6.4 | 6.1 | 6.0 | 6.5 | 5.6 | 4.7 | 4.7 | 4.4 | 4.2 | 3.7 | 2.8 | 2.7 | 2.3 | 1.7 | 1.0 |
| | Median | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 |
| TRAPPER CREEK | Count | 3 | 2 | 2 | 3 | 2 | 4 | 6 | 3 | 9 | 7 | 5 | 7 | 6 | 7 | 7 | 1 | 13 | 7 | 11 |
| | Pct | 0.7% | 0.5% | 0.5% | 0.7% | 0.5% | 0.9% | 1.4% | 1.0% | 3.0% | 2.4% | 1.7% | 2.4% | 2.0% | 2.4% | 2.4% | 0.3% | 4.4% | | |
| | Mean | 1.7 | 5.0 | 4.0 | 4.7 | 3.5 | 2.5 | 2.2 | 2.0 | 1.6 | 2.0 | 1.4 | 2.4 | 1.7 | 1.7 | 1.3 | 1.0 | 1.5 | 1.0 | 1.0 |
| | Median | 1.0 | 5.0 | 4.0 | 5.0 | 3.5 | 2.5 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| TULK | Count | | | | | | | | | | | | | | | | | 1 | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | 2.0 | | |
| | Median | | | | | | | | | | | | | | | | | 2.0 | | |
| TULUKSAK | Count | 15 | 16 | 13 | 32 | 27 | 18 | 47 | 33 | 53 | 40 | 42 | 54 | 48 | 41 | 47 | 34 | 39 | 40 | 36 |
| | Pct | 3.5% | 3.7% | 3.0% | 7.5% | 6.3% | 4.2% | 11.0% | 9.2% | 14.8% | 11.2% | 11.7% | 15.1% | 13.4% | 11.5% | 13.1% | 9.5% | 10.9% | | |
| | Mean | 7.9 | 8.0 | 8.7 | 7.7 | 8.1 | 7.1 | 5.9 | 7.2 | 5.1 | 5.5 | 5.3 | 3.9 | 4.1 | 3.5 | 2.9 | 2.6 | 2.2 | 1.6 | 1.0 |
| | Median | 9.0 | 8.0 | 7.0 | 7.0 | 9.0 | 7.0 | 5.0 | 7.0 | 4.0 | 5.5 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| TUNTUTULIAK | Count | 26 | 34 | 18 | 4 | 15 | 25 | 46 | 54 | 57 | 58 | 56 | 81 | 64 | 63 | 63 | 71 | 56 | 61 | 57 |
| | Pct | 7.0% | 9.2% | 4.9% | 1.1% | 4.1% | 6.8% | 12.4% | 18.0% | 19.0% | 19.3% | 18.7% | 27.0% | 21.3% | 21.0% | 21.0% | 23.7% | 18.7% | | |
| | Mean | 4.3 | 4.1 | 4.1 | 2.8 | 6.0 | 5.8 | 6.0 | 5.6 | 5.4 | 4.8 | 3.7 | 3.5 | 3.9 | 3.7 | 3.3 | 2.6 | 2.1 | 1.6 | 1.0 |
| | Median | 4.0 | 2.5 | 3.0 | 2.5 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 |
| TUNUNAK | Count | 8 | 2 | 10 | 12 | 16 | 13 | 23 | 34 | 31 | 54 | 39 | 37 | 36 | 36 | 38 | 9 | 11 | 61 | 23 |
| | Pct | 2.5% | 0.6% | 3.1% | 3.7% | 4.9% | 4.0% | 7.1% | 10.8% | 9.8% | 17.1% | 12.3% | 11.7% | 11.4% | 11.4% | 12.0% | 2.8% | 3.5% | | |
| | Mean | 5.6 | 8.5 | 6.9 | 5.3 | 4.9 | 6.2 | 5.3 | 4.5 | 4.6 | 3.2 | 3.3 | 2.7 | 3.0 | 2.6 | 1.9 | 2.6 | 2.2 | 1.2 | 1.0 |
| | Median | 5.0 | 8.5 | 6.5 | 5.0 | 4.0 | 6.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.5 | 3.0 | 2.0 | 1.0 | 1.0 |
| TWIN HILLS | Count | 6 | 10 | 4 | 13 | 7 | 14 | 13 | 7 | 7 | 6 | 4 | 9 | | | | 3 | | 1 | |
| | Pct | 8.7% | 14.5% | 5.8% | 18.8% | 10.1% | 20.3% | 18.8% | 10.6% | 10.6% | 9.1% | 6.1% | 13.6% | | | | 4.5% | | | |
| | Mean | 4.2 | 4.2 | 6.0 | 3.5 | 5.9 | 4.9 | 4.1 | 4.6 | 5.7 | 4.7 | 6.3 | 4.6 | | | | 2.0 | | 2.0 | |
| | Median | 3.5 | 3.0 | 7.0 | 2.0 | 5.0 | 4.0 | 3.0 | 2.0 | 6.0 | 4.5 | 6.0 | 5.0 | | | | 2.0 | | 2.0 | |
| TWO RIVERS | Count | | | | | | | 1 | | | 3 | 2 | 2 | | | | | | | |
| | Pct | | | | | | | 0.2% | | | 0.7% | 0.4% | 0.4% | | | | | | | |
| | Mean | | | | | | | 2.0 | | | 2.3 | 2.5 | 2.0 | | | | | | | |
| | Median | | | | | | | 2.0 | | | 1.0 | 2.5 | 2.0 | | | | | | | |
| TYONEK | Count | 3 | 8 | 11 | 4 | 9 | 6 | 5 | 30 | 14 | 10 | 17 | 29 | 28 | 32 | 34 | 26 | 32 | 46 | 42 |
| | Pct | 1.6% | 4.1% | 5.7% | 2.1% | 4.7% | 3.1% | 2.6% | 19.5% | 9.1% | 6.5% | 11.0% | 18.8% | 18.2% | 20.8% | 22.1% | 16.9% | 20.8% | | |
| | Mean | 2.7 | 3.1 | 3.4 | 3.8 | 4.0 | 6.8 | 6.0 | 3.6 | 3.4 | 3.7 | 2.8 | 3.2 | 3.2 | 3.1 | 2.9 | 2.5 | 2.0 | 1.5 | 1.0 |
| | Median | 3.0 | 3.5 | 2.0 | 3.0 | 3.0 | 7.0 | 3.0 | 3.0 | 2.0 | 4.0 | 2.0 | 3.0 | 2.5 | 3.0 | 3.0 | 2.5 | 2.0 | 2.0 | 1.0 |
| UGASHIK | Count | 5 | 10 | 6 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 7 | 3 | 1 | | 1 | | 1 | | |
| | Pct | 45.5% | 90.9% | 54.5% | 9.1% | 9.1% | 9.1% | 27.3% | 14.3% | 14.3% | 14.3% | 100.0% | 42.9% | 14.3% | | 14.3% | | 14.3% | | |
| | Mean | 8.2 | 5.6 | 4.2 | 12.0 | 11.0 | 10.0 | 5.0 | 6.0 | 10.0 | 4.0 | 2.3 | 1.0 | 4.0 | | 2.0 | | 3.0 | | |
| | Median | 9.0 | 4.0 | 2.5 | 12.0 | 11.0 | 10.0 | 3.0 | 6.0 | 10.0 | 4.0 | 2.0 | 1.0 | 4.0 | | 2.0 | | 3.0 | | |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| UNALAKLEET | Count | 52 | 40 | 23 | 26 | 20 | 28 | 68 | 79 | 63 | 106 | 150 | 155 | 176 | 156 | 70 | 164 | 167 | 161 | 170 |
| | Pct | 7.0% | 5.4% | 3.1% | 3.5% | 2.7% | 3.7% | 9.1% | 11.1% | 8.8% | 14.8% | 21.0% | 21.7% | 24.6% | 21.8% | 9.8% | 23.0% | 23.4% | | |
| | Mean | 5.3 | 5.6 | 4.6 | 4.7 | 3.8 | 5.3 | 5.7 | 5.5 | 5.0 | 4.7 | 3.7 | 3.6 | 3.7 | 3.3 | 3.1 | 2.7 | 2.1 | 1.7 | 1.0 |
| | Median | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.5 | 5.0 | 5.0 | 4.0 | 5.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.5 | 3.0 | 2.0 | 2.0 | 1.0 |
| UNALASKA | Count | 78 | 77 | 104 | 78 | 73 | 62 | 55 | 80 | 81 | 92 | 123 | 127 | 130 | 106 | 119 | 132 | 124 | 115 | 201 |
| | Pct | 1.8% | 1.8% | 2.4% | 1.8% | 1.7% | 1.4% | 1.3% | 2.6% | 2.6% | 3.0% | 4.0% | 4.1% | 4.2% | 3.4% | 3.9% | 4.3% | 4.0% | | |
| | Mean | 6.5 | 6.8 | 6.0 | 6.3 | 6.1 | 6.3 | 6.1 | 5.4 | 5.4 | 4.4 | 3.8 | 3.4 | 3.3 | 3.1 | 2.6 | 2.1 | 1.8 | 1.4 | 1.0 |
| | Median | 4.5 | 6.0 | 4.5 | 5.0 | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| UNUAPITCHUK | Count | | | | | | | | | 1 | | | | | | | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | 8.0 | | | | | | | | | | |
| | Median | | | | | | | | | 8.0 | | | | | | | | | | |
| UYAK BAY | Count | | | | | | | | | | | | | | | 2 | | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | 1.5 | | | | |
| | Median | | | | | | | | | | | | | | | 1.5 | | | | |
| VALDEZ | Count | 68 | 91 | 85 | 88 | 63 | 77 | 69 | 76 | 87 | 87 | 81 | 108 | 125 | 132 | 190 | 209 | 186 | 122 | 169 |
| | Pct | 1.7% | 2.3% | 2.1% | 2.2% | 1.6% | 1.9% | 1.7% | 1.9% | 2.1% | 2.1% | 2.0% | 2.7% | 3.1% | 3.2% | 4.7% | 5.1% | 4.6% | | |
| | Mean | 4.0 | 3.9 | 3.9 | 4.1 | 4.9 | 3.8 | 3.3 | 3.7 | 3.2 | 2.7 | 2.9 | 2.4 | 2.4 | 2.1 | 1.9 | 1.9 | 1.6 | 1.3 | 1.0 |
| | Median | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| VENETIE | Count | | | | | | | 1 | 2 | 1 | 1 | | | | | | | | 3 | |
| | Pct | | | | | | | 0.5% | 1.1% | 0.5% | 0.5% | | | | | | | | | |
| | Mean | | | | | | | 11.0 | 9.0 | 7.0 | 6.0 | | | | | | | | 1.0 | |
| | Median | | | | | | | 11.0 | 9.0 | 7.0 | 6.0 | | | | | | | | 1.0 | |
| WAINWRIGHT | Count | | | | | | | 1 | | | | 1 | | | 1 | 1 | 1 | | 3 | 2 |
| | Pct | | | | | | | 0.2% | | | | 0.2% | | | 0.2% | 0.2% | 0.2% | | | |
| | Mean | | | | | | | 1.0 | | | | 5.0 | | | 4.0 | 2.0 | 1.0 | | 1.7 | 1.0 |
| | Median | | | | | | | 1.0 | | | | 5.0 | | | 4.0 | 2.0 | 1.0 | | 2.0 | 1.0 |
| WALES | Count | | | | | | | | | | | | | | | | | | 1 | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | | | 1.0 | 1.0 |
| | Median | | | | | | | | | | | | | | | | | | 1.0 | 1.0 |
| WARD COVE | Count | 21 | 42 | 33 | 40 | 52 | 47 | 55 | 55 | 64 | 58 | 62 | 68 | 80 | 74 | 75 | 90 | 87 | 83 | 69 |
| | Pct | | | | | | | | 0.7% | 0.8% | 0.7% | 0.8% | 0.8% | 1.0% | 0.9% | 0.9% | 1.1% | 1.1% | | |
| | Mean | 5.8 | 6.6 | 6.4 | 5.8 | 5.2 | 5.1 | 5.3 | 4.4 | 3.6 | 3.6 | 3.6 | 2.9 | 3.0 | 2.7 | 2.3 | 2.1 | 1.7 | 1.4 | 1.0 |
| | Median | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| WASILLA | Count | 182 | 175 | 180 | 154 | 128 | 167 | 192 | 192 | 206 | 217 | 199 | 228 | 246 | 250 | 275 | 300 | 314 | 226 | 279 |
| | Pct | 3.3% | 3.2% | 3.3% | 2.8% | 2.3% | 3.1% | 3.5% | 4.8% | 5.1% | 5.4% | 4.9% | 5.7% | 6.1% | 6.2% | 6.8% | 7.4% | 7.8% | | |
| | Mean | 4.8 | 4.5 | 4.4 | 4.6 | 4.4 | 3.8 | 3.7 | 3.6 | 3.5 | 3.1 | 3.4 | 2.8 | 2.8 | 2.6 | 2.1 | 2.0 | 1.6 | 1.4 | 1.0 |
| | Median | 3.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 |

**Appendix A. Count of Licenses, Percent of Population, and Mean and Median License Longevity of Commercial Crewmember License Holders Between 1988 and 2006, by Alaskan Community and Year**

| | | Year | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year-end City | | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 |
| WHALE PASS | Count | | | | | | | 1 | | 2 | | | | | | | | | 1 | |
| | Pct | | | | | | | 1.7% | | 2.7% | | | | | | | | | | |
| | Mean | | | | | | | 1.0 | | 2.5 | | | | | | | | | 1.0 | |
| | Median | | | | | | | 1.0 | | 2.5 | | | | | | | | | 1.0 | |
| WHITE MOUNTAIN | Count | 1 | 1 | 2 | | | | | 2 | 1 | 2 | 1 | 4 | 1 | 2 | | 2 | 1 | 2 | 5 |
| | Pct | 0.5% | 0.5% | 1.0% | | | | | 1.1% | 0.6% | 1.1% | 0.6% | 2.2% | 0.6% | 1.1% | | 1.1% | 0.6% | | |
| | Mean | 1.0 | 2.0 | 1.0 | | | | | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | | 1.0 | 3.0 | 1.0 | 1.0 |
| | Median | 1.0 | 2.0 | 1.0 | | | | | 1.0 | 1.0 | 3.0 | 3.0 | 1.5 | 1.0 | 1.0 | | 1.0 | 3.0 | 1.0 | 1.0 |
| WHITE SALMON | Count | | | | | | | | | | | | | | | | 1 | | | |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | | | | | 1.0 | | | |
| | Median | | | | | | | | | | | | | | | | 1.0 | | | |
| WHITTIER | Count | 9 | 8 | 13 | 14 | 16 | 16 | 16 | 24 | 22 | 20 | 30 | 27 | 24 | 40 | 34 | 40 | 46 | 35 | 3 |
| | Pct | 4.9% | 4.4% | 7.1% | 7.7% | 8.8% | 8.8% | 8.8% | 9.9% | 9.1% | 8.2% | 12.3% | 11.1% | 9.9% | 16.5% | 14.0% | 16.5% | 18.9% | | |
| | Mean | 6.7 | 5.4 | 4.4 | 5.4 | 5.7 | 6.4 | 4.8 | 6.0 | 3.3 | 2.8 | 3.0 | 2.2 | 2.8 | 2.1 | 1.6 | 1.9 | 1.4 | 1.2 | 1.0 |
| | Median | 4.0 | 2.5 | 2.0 | 1.5 | 3.5 | 5.5 | 3.0 | 7.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.5 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| WILLOW | Count | 14 | 16 | 14 | 12 | 12 | 16 | 17 | 17 | 11 | 20 | 13 | 14 | 13 | 14 | 18 | 31 | 24 | 26 | 28 |
| | Pct | 0.8% | 1.0% | 0.8% | 0.7% | 0.7% | 1.0% | 1.0% | 6.0% | 3.9% | 7.0% | 4.6% | 4.9% | 4.6% | 4.9% | 6.3% | 10.9% | 8.4% | | |
| | Mean | 4.6 | 4.7 | 4.6 | 4.5 | 3.8 | 3.6 | 2.5 | 3.0 | 2.7 | 2.9 | 3.3 | 3.1 | 3.8 | 3.0 | 2.8 | 2.0 | 1.5 | 1.3 | 1.0 |
| | Median | 2.5 | 3.0 | 2.0 | 3.0 | 2.0 | 2.5 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 3.0 | 5.0 | 3.5 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| WISEMAN | Count | | | | 1 | | | 1 | 1 | 2 | 1 | | | | 1 | | | | | |
| | Pct | | | | 4.8% | | | 4.8% | 3.0% | 6.1% | 3.0% | | | | 3.0% | | | | | |
| | Mean | | | | 1.0 | | | 2.0 | 1.0 | 1.0 | 2.0 | | | | 4.0 | | | | | |
| | Median | | | | 1.0 | | | 2.0 | 1.0 | 1.0 | 2.0 | | | | 4.0 | | | | | |
| WRANGELL | Count | 197 | 195 | 185 | 176 | 186 | 201 | 222 | 245 | 244 | 258 | 270 | 282 | 283 | 278 | 267 | 338 | 309 | 349 | 296 |
| | Pct | 8.5% | 8.4% | 8.0% | 7.6% | 8.1% | 8.7% | 9.6% | 9.9% | 9.8% | 10.4% | 10.9% | 11.4% | 11.4% | 11.2% | 10.8% | 13.6% | 12.5% | | |
| | Mean | 5.8 | 5.7 | 5.5 | 5.4 | 5.0 | 4.5 | 4.3 | 4.0 | 3.8 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.6 | 2.2 | 1.9 | 1.4 | 1.0 |
| | Median | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| YAKUTAT | Count | 52 | 49 | 31 | 31 | 18 | 44 | 54 | 81 | 70 | 74 | 79 | 94 | 111 | 101 | 129 | 134 | 135 | 129 | 112 |
| | Pct | 7.6% | 7.2% | 4.6% | 4.6% | 2.6% | 6.5% | 7.9% | 15.2% | 13.1% | 13.9% | 14.8% | 17.6% | 20.8% | 18.9% | 24.2% | 25.1% | 25.3% | | |
| | Mean | 3.7 | 3.5 | 3.0 | 4.3 | 4.2 | 4.3 | 3.9 | 3.8 | 3.4 | 3.4 | 3.3 | 2.6 | 2.5 | 2.4 | 2.3 | 1.9 | 1.7 | 1.4 | 1.0 |
| | Median | 3.0 | 2.0 | 2.0 | 3.0 | 3.5 | 3.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| (blank) | Count | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 |
| | Pct | | | | | | | | | | | | | | | | | | | |
| | Mean | | | | | | | | | | | | 6.0 | 1.0 | 6.0 | | 4.0 | | 1.0 | 1.0 |
| | Median | | | | | | | | | | | | 6.0 | 1.0 | 6.0 | | 4.0 | | 1.0 | 1.0 |

**Notes:**

1. A community is listed in Appendix A if it is listed with Alaska as the state on any commercial crewmember license between 1988 and 2006. There has been some clean-up performed on community names, however. If the city indicated on a crewmember license was Anacortes, Bellingham, Beremertion (presumably Bremerton), Tukwilla, Tukwla (presumably Tukwilla), Port Townsend, Port Orchard, or Seattle, and the state indicated was 'AK' then the state field was corrected to 'WA.' If the city was Pebble Beach, Chico, or Daly City and the state was 'AK' then the state field was corrected to 'CA.' If the city indicated on a license was Astoria and the state indicated was 'AK' then the state field was corrected to 'OR.' The spelling of Alaskan community names were standardized in the data. For example, the community of Aleknagik was spelled several different ways, including: Alaknagik, Alegnagik, Aleknegik, Alekngik, Alenagik, and Aliknagik. The data for each license with these spellings were standardized to Aleknagik to allow more accurate aggregations by community. It is possible that some of the spelling errors were convoluted enough that the true community and spelling could not be determined. Therefore, some license holders are not consolidated by community as they possibly should be.

2. Some license holders obtained more than one license within a year, and in some cases they have indicated different states or cities as their permanent mailing address. When more than one permanent address existed for an individual within a year, the community and state from the license with the latest issue date was used. This address of the license holder was assumed to be the year-end mailing address.

3. The count of license holders by community found in Appendix A may vary from those counts found on the CFEC web site (www.cfec.state.ak.us). The counts vary because of differences made to the underlying data by ADF&G Division of Administrative Services between when snapshots of the data were obtained. Data clean-up procedures and the manner in which data are handled differ between this report and the CFEC web site. A more in depth discussion of the differences can be found in section 6.1 of this report.

4. The percent of each community's population with a commercial crewmember license was determined by comparing the count of crewmember licenses attributed to a community with the community's census population. Crewmember counts in 2000 through 2006 were compared to 2000 census data. Crewmember counts in 1990 through 1999 were compared to 1990 census data. No percentage was calculated for any community for 1988 and 1989. If a percentage is not indicated for 1990 to 1999 and/or 2000 to 2006, then the community name does not appear in the 1990 and/or 2000 census file.

5. The mean longevity values summarize the longevity of license holders in each community in each year. Each license holder's longevity in a particular year reflects the number of years they held a commercial crewmember license between 1988 and that year. If an individual lived in Bethel in 2004 and 2005, then lived in Akiachak in 2006 and held a license in all 3 years, in 2004 Bethel would be attributed with a license holder with a longevity of 1, in 2005 with a license holder with a longevity of 2, and in 2006 Akiachak would be attributed with a license holder with a longevity of 3 years. The mean longevity for Bethel in 2004 would reflect this license holder's 1 year longevity. In 2005 the mean longevity for Bethel would reflect this license holder's 2 year longevity. In 2006 the mean longevity for Akiachak would reflect this license holder's 3 year longevity.

6. The median longevity values summarize the longevity of license holders in each community in each year. Each license holder's longevity in a particular year reflects the number of years they held a commercial crewmember license between 1988 and that year. If an individual lived in Bethel in 2004 and 2005, then lived in Akiachak in 2006 and held a license in all 3 years, in 2004 Bethel would be attributed with a license holder with a longevity of 1, in 2005 with a license holder with a longevity of 2, and in 2006 Akiachak would be attributed with a license holder with a longevity of 3 years. The median longevity for Bethel in 2004 would reflect this license holder's 1 year longevity. In 2005 the median longevity for Bethel would reflect this license holder's 2 year longevity. In 2006 the median longevity for Akiachak would reflect this license holder's 3 year longevity.

7. The more recent years, and 2006 in particular, give a more accurate index of license longevity than the earlier years, because they reflect the most years of prior data upon which the longevity values can be based.