# Alaska's Gender Gap Narrows

by Jeff Hadland and Todd Mosher

Although Alaska male workers, on average, continued to earn significantly more than female workers in 1995, the earnings gap between the two has narrowed significantly since 1990. Many factors can account for differences in average earnings between the genders, such as education, hours worked, or length on the job. But female workers earn less than male workers in virtually all age, industry and occupation categories, including typically female-dominated occupations.

Overall, female workers in 1995 earned 65.6% as much as men earned, a 4.4 percentage point increase since 1990. (See Table 1.) The average Alaskan male earned over \$10,000 more in wage income in 1995 than the average Alaskan female's earnings of \$19,182.

The percentage of Alaska workers that are female declined slightly from 47.3% in 1990 to 47.0% in 1995, a surprising decline given the expectation that women would continue to increase their share of the labor force. Despite a slightly lower share of employment, females' share of total wage and salary income rose from 35.5% in 1990 to 36.7% in 1995.

#### Gender gap by age group

Females comprised 47% of all workers in 1995, little changed from 1990. In every age group, females were employed at approximately the same rate, exceeding males as a percentage of total workers only in the 75 years and older group. (See Figure 1.) In terms of average earnings by age group, females earned less than males in every age category. (See Figure 2.) Females earned nearly as much as males in the 16 to 18 age group, but the gap widens gradually through the age groups, with the "gender gap" greatest in the 55 to 59 and 65 to 74 age groups. (See Figure 3.)

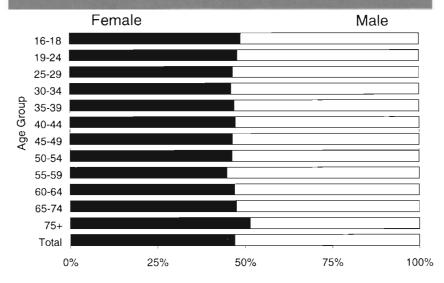
Table • 1

### Wage and Salary Employment and Earnings— Alaska, 1990 and 1995

| Employment<br>(%)Distribution<br>by Gender          | Male<br>Female          | <b>1990</b> 52.7 47.3      | <b>1995</b> 53.0 47.0      | Source: Alaska Department of Labor, Research and Analysis Section. |
|---|-------------------------|----------------------------|----------------------------|--|
| Annual Wage<br>Income Distribution<br>by Gender (%) | Male<br>Female          | 64.5<br>35.5               | 63.3<br>36.7               |  |
| Average Annual<br>Wage Income (\$)                  | Male<br>Female<br>Total | 27,655<br>16,934<br>22,580 | 29,261<br>19,182<br>24,527 |  |
| Female/Male Wage Ratio                              |                         | 61.2                       | 65.6                       |  |

Figure • 1

### Gender Distribution of Total Employment by Age Group—Alaska, 1995



Source: Alaska Department of Labor, Research and Analysis Section.

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## Workers and Earnings by Industry and Gender-Alaska 1995

| Agriculture, Forestry, Fisheries   149  |                                  | Male<br>Workers | Female<br>Workers | Percent<br>Female | Avg.Male<br>Earnings | Avg. Female<br>Earnings | Female/<br>Male Ratio |
|---|----------------------------------|-----------------|-------------------|-------------------|----------------------|-------------------------|-----------------------|
| Livestock   | Agriculture, Forestry, Fisheries |                 |                   |                   |                      |                         |                       |
| Agricultural Services   | Crops                            | 108             | 149               | 58.0              | 4,907                | 6,196                   | 126.2                 |
| Forestry  | Livestock                        | *               |                   | •                 |                      | •                       | •                     |
| Minimage  | Agricultural Services            | 467             | 475               | 50.4              | 12,804               | 12,632                  | 98.7                  |
| Metal         879         124         41,859         31,951         76.3           Coal         . <td>Forestry</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td>•</td> <td>•</td>  | Forestry                         | •               | •                 | •                 |                      | •                       | •                     |
| Metal Coal         879         124         12.4         41,859         31,951         76.3           Coal         *   | 3                                | 358             | 139               | 28.0              | 22,942               | 14,924                  | 65.0                  |
| Coal         7,862         1,182         13.1         60,206         45,297         75.2           Nonmetal, Nontuel         311         47         13.1         29,676         19,422         65.4           Construction         8         311         47         13.1         29,676         19,422         65.4           Building         4,865         592         10.8         23,129         16,433         71.0           Heavy         4,072         693         11.3         35,686         21,554         60.1           Special Trades         7,257         923         11.3         35,686         21,554         60.1           Manufacturing         Food Processing (Primarily Seafood)         4,305         2,343         35.2         16,080         10,304         64.1           Apparel         36         24         40.0         13,147         14,789         112.5           Lumber, Wood         1,562         257         14.1         26,68         14,599         12.5           Furniture         9         25         57         5.689         18,036         70.2           Paper         894         131         12.8         41,094         25,267 <td< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   | •                                |                 |                   |                   |                      |                         |                       |
| Coal         Coal         1,182         13.1         60,206         45,297         75.2           Nonmetal, Nonfuel         311         47         13.1         29,676         19,422         65.4           Construction         4,865         592         10.8         23,129         16,433         71.0           Building         4,865         592         11.3         26,157         15,969         61.1           Manufacturing         7,257         923         11.3         26,157         15,969         61.1           Manufacturing         Food Processing (Primarily Seafood)         4,305         2,343         35.2         16,080         10,904         64.1           Textlles         6         24         40.0         13,147         14,789         112.5           Lumber, Wood         1,562         257         14.1         26,688         14,058         52.3           Furniture         1         1,562         257         14.1         26,688         14,094         25,267         61.5           Pinting         868         891         50.7         25,689         18,036         70.2           Chemicals         2         1         89         23.4   |                                  |                 | 124               | 12.4              | 41,859               | 31,951                  | 76.3                  |
| Nonmetal, Nonfuel   |                                  |                 |                   |                   |                      |                         |                       |
| Building  |                                  | *               |                   |                   |                      | ,                       |                       |
| Building         4,865         592         10.8         23,129         16,433         71.0           Heavy         4,072         683         14.4         35,868         21,554         60.1           Special Trades         7,257         923         11.3         26,157         15,969         61.1           Manufacturing         Food Processing (Primarily Seafood)         4,305         2,343         35.2         16,080         10,304         64.1           Textilles         *   |                                  | 311             | 47                | 13.1              | 29,676               | 19,422                  | 65.4                  |
| Heavy   1,072   683   14.4   35,868   21,554   60.1     Special Trades   7,257   923   11.3   26,157   15,969   61.1     Manufacturing   Food Processing (Primarily Seafood)   4,305   2,343   35.2   16,080   10,304   64.1     Textilies  |                                  | 4 965           | 502               | 10.0              | 22 120               | 16 422                  | 71.0                  |
| Special Trades  | 3                                |                 |                   |                   | ,                    | -,                      |                       |
| Food Processing (Primarily Seafood)   4,305   2,343   35.2   16,080   10,304   64.1   Textilles   1   | •                                |                 |                   |                   |                      |                         |                       |
| Food Processing (Primarily Seafood)         4,305         2,343         35.2         16,080         10,304         64.1           Textilies         *   | •                                | 7,237           | 323               | 11.0              | 20,137               | 13,303                  | 01.1                  |
| Textilles  .  |                                  | 4.305           | 2.343             | 35.2              | 16.080               | 10.304                  | 64.1                  |
| Apparel         36         24         40.0         13,147         14,789         112.5           Lumber, Wood         1,562         257         14.1         26,868         14,058         52.3           Furniture         *         *         *         *         *         *         *         *           Paper         894         131         12.8         41,094         25,267         61.5           Printing         868         891         50.7         25,689         18,036         70.2           Chemicals         * <t< td=""><td></td><td>*</td><td>2,0.0</td><td></td><td>. 0,000</td><td>•</td><td>•</td></t<>  |                                  | *               | 2,0.0             |                   | . 0,000              | •                       | •                     |
| Furniture         ***         *   |                                  | 36              | 24                | 40.0              | 13,147               | 14,789                  | 112.5                 |
| Paper 884 131 12.8 41,094 25,267 61.5 Printing 868 891 50.7 25,689 18,036 70.2 Chemicals ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '  | Lumber, Wood                     | 1,562           | 257               | 14.1              | 26,868               | 14,058                  | 52.3                  |
| Printing         868         891         50.7         25,689         18,036         70.2           Chemicals         •  | Furniture                        | •               |                   |                   |                      | •                       |                       |
| Chemicals         '   | Paper                            | 894             | 131               | 12.8              | 41,094               | 25,267                  | 61.5                  |
| Petroleum Refining 291 89 23.4 69,012 39,588 57.4 Rubber, Miscellaneous :   | Printing                         | 868             | 891               | 50.7              | 25,689               | 18,036                  | 70.2                  |
| Rubber, Miscellaneous   | Chemicals                        | •               | •                 | •                 | •                    |                         |                       |
| Leather   | Petroleum Refining               | 291             | 89                | 23.4              | 69,012               | 39,588                  | 57.4                  |
| Concrete 251 33 11.6 25,844 14,095 54.5 Primary Metals  | Rubber, Miscellaneous            | •               |                   | •                 | •                    | •                       | •                     |
| Primary Metals         *  |                                  | •               |                   |                   |                      |                         |                       |
| Frankry Metals Fabricated Metals Adachinery Prinary Metals Adachinery |                                  | 251             |                   | 11.6              | 25,844               | 14,095                  | 54.5                  |
| Machinery         94         12         11.3         40,273         19,965         49.6           Electrical Machinery         *<   | •                                | •               |                   |                   |                      |                         |                       |
| Electrical Machinery         *  |                                  |                 |                   |                   |                      | ,                       |                       |
| Transportation Equipment 224 36 13.8 22,795 16,661 73.1 Measuring Instruments   | ,                                | 94              |                   | 11.3              | 40,273               | 19,965                  | 49.6                  |
| Measuring Instruments         *   | •                                | 004             |                   | 10.0              | 00.705               | 10.001                  | 70.1                  |
| Miscellaneous         47         41         46.6         20,203         13,364         66.1           Transportation           Local Transit         1,194         915         43.4         11,375         8,791         77.3           Motor Freight         2,784         637         18.6         29,679         20,526         69.2           Water Transportation         1,907         487         20.3         26,212         15,726         60.0           Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         *   |                                  |                 |                   | 13.8              | ,                    | ,                       |                       |
| Transportation           Local Transit         1,194         915         43.4         11,375         8,791         77.3           Motor Freight         2,784         637         18.6         29,679         20,526         69.2           Water Transportation         1,907         487         20.3         26,212         15,726         60.0           Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         **  | 9                                | 47              |                   | 10.0              | 20.202               | 12.264                  | 66.1                  |
| Local Transit         1,194         915         43.4         11,375         8,791         77.3           Motor Freight         2,784         637         18.6         29,679         20,526         69.2           Water Transportation         1,907         487         20.3         26,212         15,726         60.0           Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         ** <td< td=""><td></td><td>47</td><td>41</td><td>40.0</td><td>20,203</td><td>13,304</td><td>00.1</td></td<>   |                                  | 47              | 41                | 40.0              | 20,203               | 13,304                  | 00.1                  |
| Motor Freight         2,784         637         18.6         29,679         20,526         69.2           Water Transportation         1,907         487         20.3         26,212         15,726         60.0           Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         1         1,148         65.8         21,618         17,166         79.4           Communications         2,271         1,627         41.7         45,204         29,534         65.3           Other Utilities         1,925         734         27.6         47,876         32,640         68.2  | ·                                | 1 194           | 915               | 43.4              | 11 375               | 8 791                   | 77.3                  |
| Water Transportation         1,907         487         20.3         26,212         15,726         60.0           Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         *         *         *         *         *         *           Transportation Services         598         1,148         65.8         21,618         17,166         79.4           Communications         2,271         1,627         41.7         45,204         29,534         65.3           Other Utilities         1,925         734         27.6         47,876         32,640         68.2  |                                  |                 |                   |                   |                      | -                       |                       |
| Air Transportation         5,088         2,558         33.5         31,156         18,127         58.2           Pipelines         * <t< td=""><td>8</td><td>•</td><td></td><td></td><td>,</td><td>,-</td><td>-</td></t<>   | 8                                | •               |                   |                   | ,                    | ,-                      | -                     |
| Pipelines         *   | ·                                |                 |                   |                   |                      |                         |                       |
| Transportation Services         598         1,148         65.8         21,618         17,166         79.4           Communications         2,271         1,627         41.7         45,204         29,534         65.3           Other Utilities         1,925         734         27.6         47,876         32,640         68.2  | •                                | -               | ,                 |                   | •                    |                         |                       |
| Communications         2,271         1,627         41.7         45,204         29,534         65.3           Other Utilities         1,925         734         27.6         47,876         32,640         68.2  | •                                | 598             | 1.148             | 65.8              | 21.618               | 17,166                  | 79.4                  |
| Other Utilities 1,925 734 27.6 47,876 32,640 68.2   | •                                |                 | ,                 |                   |                      | ,                       |                       |
|   | Other Utilities                  |                 |                   | 27.6              |                      |                         | 68.2                  |
|   |                                  |                 |                   |                   |                      | continued nex           | t page)               |

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### Workers and Earnings by Industry and Gender-Alaska 1995 (continued)

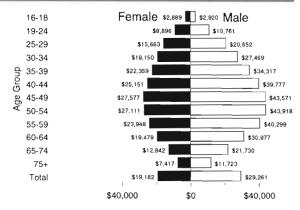
|                                     | Male    | Female  | Percent | _        | Avg. Female | Female/      |
|-------------------------------------|---------|---------|---------|----------|-------------|--------------|
|                                     | Workers | Workers | Female  | Earnings | Earnings    | Male Ratio   |
| Wholesale Trade                     |         |         |         |          |             |              |
| Durable                             | 3,624   | 1,271   | 26.0    | 31,744   | 19,638      | 61.9         |
| Nondurable                          | 3,102   | 1,457   | 32.0    | 26,946   | 17,968      | 66.7         |
| Retail Trade                        |         |         |         |          |             |              |
| Building Materials/Hardware         | 1,524   | 685     | 31.0    | 23,462   | 15,613      | 66.5         |
| General Merchandise                 | 4,148   | 5,560   | 57.3    | 15,058   | 10,834      | 72.0         |
| Food Stores                         | 4,308   | 4,517   | 51.2    | 18,750   | 13,753      | 73.3         |
| Auto Dealers/Service Stations       | 4,103   | 1,417   | 25.7    | 24,668   | 14,615      | 59.2         |
| Apparel                             | 378     | 1,438   | 79.2    | 11,653   | 8,539       | 73.3         |
| Furniture                           | 1,020   | 622     | 37.9    | 17,192   | 14,082      | 81.9         |
| Eating/Drinking                     | 8,520   | 9,670   | 53.2    | 10,030   | 7,494       | 74.7         |
| Miscellaneous Retail                | 2,859   | 4,316   | 60.2    | 18,807   | 10,833      | 57.6         |
| Finance, Insurance, & Real Estate   |         |         |         |          |             |              |
| Banking                             | 872     | 3,557   | 80.3    | 38,268   | 22,205      | 58.0         |
| Credit Agencies                     | 139     | 281     | 66.9    | 40,072   | 32,963      | 82.3         |
| Brokers                             | 138     | 135     | 49.5    | 76,800   | 32,013      | 41.7         |
| Insurance                           | 250     | 596     | 70.4    | 60,809   | 33,930      | 55.8         |
| Insurance Agents                    | 225     | 832     | 78.7    | 46,698   | 24,781      | 53.1         |
| Real Estate                         | 1,689   | 1,322   | 43.9    | 16,058   | 14,913      | 92.9         |
| Holding/Investment Companies        | 1,160   | 1,356   | 53.9    | 24,178   | 18,457      | 76.3         |
| Services                            |         |         |         |          |             |              |
| Hotels                              | 2,779   | 3,818   | 57.9    | 14,148   | 10,266      | 72.6         |
| Personal Services                   | 488     | 1,819   | 78.8    | 15,623   | 9,759       | 62.5         |
| Business Services                   | 4,447   | 3,894   | 46.7    | 20,590   | 13,858      | 67.3         |
| Auto Repair                         | 2,016   | 601     | 23.0    | 17,977   | 12,085      | 67.2         |
| Miscellaneous Repair                | 774     | 177     | 18.6    | 25,779   | 14,738      | 57.2         |
| Motion Pictures                     | 502     | 602     | 54.5    | 7,170    | 5,945       | 82.9         |
| Recreation Services                 | 1,903   | 2,054   | 51.9    | 9,928    | 8,457       | 85.2         |
| Health Services                     | 2,447   | 11,020  | 81.8    | 37,246   | 26,034      | 69.9         |
| Legal Services                      | 392     | 1,471   | 79.0    | 46,951   | 28,464      | 60.6         |
| Education Services                  | 460     | 619     | 57.4    | 19,238   | 15,253      | 79.3         |
| Social Services                     | 1,844   | 5,314   | 74.2    | 16,560   | 13,942      | 84.2         |
| Museums                             | 39      | 86      | 68.8    | 15,006   | 10,215      | 68.1         |
| Membership Organizations            | 2,834   | 4,275   | 60.1    | 15,292   | 15,032      | 98.3         |
| Engineering, Accounting & Managemen | t 4,731 | 3,173   | 40.1    | 34,994   | 21,734      | 62.1         |
| Private Households                  | 20      | 228     | 91.9    | 35,534   | 10,030      | 28.2         |
| Miscellaneous Services              | 122     | 64      | 34.4    | 35,874   | 16,465      | 45.9         |
| Nonclassifiable Private Sector      | 220     | 155     | 41.3    | 14,019   | 10,182      | 72.6         |
| Total Private Sector                | 116,818 | 95,196  | 44.9    | 27,635   | 16,509      | 59.7         |
| State Government                    | 11,560  | 11,196  | 49.2    | 41,408   | 29,711      | 71.8         |
| Local Government                    | 16,501  | 21,913  | 57.0    | 32,422   | 25,509      | <b>7</b> 8.7 |
| Total                               | 144,879 | 128,305 | 47.0    | 29,279   | 19,198      | 65.6         |

\*Nondisclosable information. Source: Alaska Department of Labor, Research and Analysis Section.

#### Figure • 2

# Male and Female Average Annual Wage Income by Age Group—Alaska, 1995

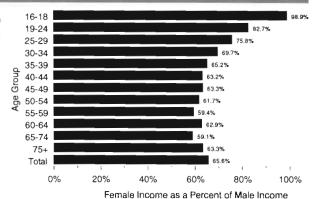
Source: Alaska Department of Labor, Research and Analysis Section.



#### Figure • 3

## Male and Female Average Annual Wage Income Ratios by Age Group—Alaska, 1995

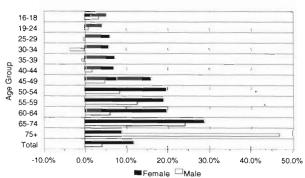
Source: Alaska Department of Labor, Research and Analysis Section.



### Figure • 4

# Male and Female Percent Change in Average Wage Income by Age Group—Alaska, 1990-1995

Source: Alaska Department of Labor, Research and Analysis Section



When comparing 1990 to 1995, both males and females showed growth in average annual wage incomes, but the average annual wage income of females grew faster than that of males for every age group except those 75 and older (the smallest group). For those aged 25 to 39, the average annual wage income of males actually declined slightly, while females in this age range showed slow growth of about six percent over the entire five-year period. (See Figure 4.)

#### Industry makes a difference

There is a significant difference in average earnings, total earnings and percentage of workers by industry for males and females. (See Figures 5, 6, 7.) Females comprise significantly more than 50 percent of the workers in finance, insurance and real estate; services; and local government, while males hold between 85 and 90 percent of all jobs in the oil and gas, and mining and construction industries. (See Table 2.)

In terms of earnings, females have the highest average earnings in the oil and gas, insurance, credit agencies, other utilities, and brokers industry categories. Females had the highest total private sector earnings in health services, banking, social services and eating and drinking industries. Alaska's female workers have found employment opportunities in both state and local government. More than 25 percent of all Alaska female wage and salary workers are employed in these two government sectors.

### Male and female dominated occupations

The top occupations for men and women are very different. (See Tables 3 and 4.) The most common occupations for Alaska females are office occupations, sales clerks

### Top 50 Occupations for Male Employment Alaska, 1995

|   | Employment |        |         | Average Annual Wage Income |        |                    |  |
|---|------------|--------|---------|----------------------------|--------|--------------------|--|
| Occupation I                                    | Female     | Male F | emale % | Female                     | Male   | Female/ Male Ratio |  |
| Manual Occupations, N.E.C.                      | 1,098      | 4,683  | 19.0    | 7,268                      | 11,584 | 62.7               |  |
| Carpenters                                      | 119        | 4,183  | 2.8     | 12,631                     | 19,909 | 63.4               |  |
| Construction Laborers                           | 433        | 4,005  | 9.8     | 10,129                     | 15,837 | 64.0               |  |
| Janitors and Cleaners                           | 2,147      | 3,894  | 35.5    | 12,574                     | 13,866 | 90.7               |  |
| Sales Clerks                                    | 6,234      | 3,063  | 67.1    | 8,850                      | 12,624 | 70.1               |  |
| Cannery Workers, Incl. Seafood Processing       | 1,521      | 2,568  | 37.2    | 7,850                      | 10,419 | 75.4               |  |
| Freight, Stock, and Material Movers, N.E.       | 281        | 2,430  | 10.4    | 20,313                     | 20,965 | 96.9               |  |
| General Office Occupations                      | 8,811      | 2,281  | 79.4    | 16,063                     | 17,957 | 89.4               |  |
| Cashiers  | 3,398      | 1,870  | 64.5    | 9,967                      | 11,182 | 89.1               |  |
| Misc. Food & Beverage Preparers Occupations     | 1,146      | 1,793  | 39.0    | 9,395                      | 7,947  | 118.2              |  |
| Truck Drivers, Heavy                            | 99         | 1,733  | 5.4     | 23,628                     | 30,758 | 76.8               |  |
| Electricians                                    | 49         | 1,722  | 2.8     | 33,584                     | 40,597 | 82.7               |  |
| Operating Engineers                             | 117        | 1,718  | 6.4     | 31,264                     | 40,239 | 77.7               |  |
| Truck Drivers, Light                            | 294        | 1,683  | 14.9    | 10,209                     | 19,212 | 53.1               |  |
| General Managers and Other Top Executives       | 882        | 1,670  | 34.6    | 35,353                     | 65,037 | 54.4               |  |
| Automobile Mechanics                            | 36         | 1,597  | 2.2     | 15,571                     | 27,072 | 57.5               |  |
| Stock Handlers and Baggers                      | 470        | 1,578  | 22.9    | 6,824                      | 12,057 | 56.6               |  |
| Mechanics and Repairers, N.E.C.                 | 159        | 1,564  | 9.2     | 27,105                     | 37,515 | 72.2               |  |
| Guards and Police, Except Public Service        | 285        | 1,375  | 17.2    | 15,772                     | 21,814 | 72.3               |  |
| Plumbers, Pipefitters and Steamfitters          | 38         | 1,313  | 2.8     | 23,522                     | 33,967 | 69.2               |  |
| Sheriffs, Bailiffs, and Other Law Officers      | 192        | 1,252  | 13.3    | 42,572                     | 49,233 | 86.5               |  |
| Maintenance Repairers, General Utility          | 74         | 1,237  | 5.6     | 16,898                     | 27,498 | 61.5               |  |
| Heavy Equipment Mechanics                       | 5          | 1,230  | 0.4     | 23,930                     | 44,418 | 53.9               |  |
| Airplane Pilots and Navigators                  | 40         | 1,216  | 3.2     | 27,109                     | 43,938 | 61.7               |  |
| Stock and Inventory Clerks                      | 649        | 1,203  | 35.0    | 14,348                     | 21,979 | 65.3               |  |
| Elementary School Teachers                      | 3,176      | 1,130  | 73.8    | 36,388                     | 38,895 | 93.6               |  |
| Management Related Occupations, N.E.C.          | 1,299      | 1,091  | 54.4    | 30,283                     | 51,301 | 59.0               |  |
| Combined Food Prep and Service, Fast Food       | 1,074      | 1,083  | 49.8    | 4,095                      | 4,041  | 101.3              |  |
| Supervisors; Sales, Retail                      | 933        | 1,065  | 46.7    | 22,110                     | 35,649 | 62.0               |  |
| Kitchen Workers, Food Preparation               | 1,398      | 1,064  | 56.8    | 9,988                      | 11,341 | 88.1               |  |
| Salespersons; N.E.C.                            | 989        | 992    | 49.9    | 12,409                     | 22,909 | 54.2               |  |
| Officials and Administrators; Other, N.E.C.     | 584        | 977    | 37.4    | 40,214                     | 53,601 | 75.0               |  |
| Secondary School Teachers                       | 1,255      | 962    | 56.6    | 33,968                     | 41,839 | 81.2               |  |
| Stevedores                                      | 82         | 943    | 8.0     | 7,534                      | 17,548 | 42.9               |  |
| Postsecondary Teachers                          | 813        | 913    | 47.1    | 20,426                     | 30,931 | 66.0               |  |
| Misc. Plant or Systems Operators                | 70         | 903    | 7.2     | 64,718                     | 74,975 | 86.3               |  |
| Cooks, Restaurant                               | 324        | 862    | 27.3    | 10,370                     | 12,766 | 81.2               |  |
| Bus Drivers                                     | 465        | 860    | 35.1    | 11,998                     | 15,384 | 78.0               |  |
| Waiters and Waitresses                          | 3,372      | 845    | 80.0    | 7,534                      | 9,670  | 77.9               |  |
| Social Workers                                  | 1,676      | 842    | 66.6    | 25,152                     | 30,737 | 81.8               |  |
| Misc. Material Moving Equipment Operators       | 23         | 839    | 2.7     | 31,221                     | 42,249 | 73.9               |  |
| Civil Engineers                                 | 123        | 835    | 12.8    | 42,735                     | 57,702 | 74.1               |  |
| Garage and Service Station Related Occupations  | 118        | 809    | 12.7    | 6,479                      | 10,283 | 63.0               |  |
| Attendants, Amusement and Recreation Facilities | 914        | 781    | 53.9    | 5,215                      | 6,467  | 80.6               |  |
| Adult Education and Other Teachers, N.E.C       | 1,449      | 769    | 65.3    | 13,456                     | 15,785 | 85.2               |  |
| Excavating and Loading Machine Operators        | 27         | 747    | 3.5     | 24,080                     | 34,481 | 69.8               |  |
| Supervisors; Mechanics and Repairers            | 42         | 728    | 5.5     | 28,611                     | 57,407 | 49.8               |  |
| Managers; Administrative Services               | 1,266      | 710    | 64.1    | 32,369                     | 52,498 | 61.7               |  |
| Bookkeepers and Accounting and Auditing Clerks  | 4,165      | 701    | 85.6    | 21,794                     | 26,990 | 80.7               |  |
| Sailors and Deckhands                           | 95         | 697    | 12.0    | 12,500                     | 19,620 | 63.7               |  |
|   |            |        |         |                            |        |                    |  |

Source: Alaska Department of Labor, Research and Analysis Section.

# Top 50 Occupations for Female Employment —Alaska, 1995

| Occupation                                      | Employment Female Male Female %  |       | Average<br>Female |   | Wage Income |       |
|---|--|-------|-------------------|---|-------------|-------|
| General Office Occupations                      | 8,811  | 2,281 | 79.4              | 16,063                                  | 17,957      | 89.4  |
| Sales Clerks                                    | 6,234  | 3,063 | 67.1              | 8,850                                   | 12,624      | 70.1  |
| Secretaries                                     | 4,741  | 247   | 95.0              | 22,716                                  | 21,153      | 107.4 |
| Bookkeepers, Accounting and Auditing Clerks     | 4,165  | 701   | 85.6              | 21,794                                  | 26,990      | 80.7  |
| Cashiers  | ,  | 1,870 | 64.5              | 9,967                                   | 11,182      | 89.1  |
| Waiters and Waitresses                          |  | 845   | 80.0              | 7,534                                   | 9,670       | 77.9  |
| Elementary School Teachers                      | 3,176  | 1,130 | 73.8              | 36,388                                  | 38,895      | 93.6  |
| Teacher Aides                                   |  | 694   | 81.9              | 11,193                                  | 9,196       | 121.7 |
| Registered Nurses                               |  | 194   | 93.4              | 35,621                                  | 43,225      | 82.4  |
| Receptionists                                   |  | 201   | 92.7              | 13,932                                  | 14,781      | 94.3  |
| Janitors and Cleaners                           |  | 3,894 | 35.5              | 12,574                                  | 13,866      | 90.7  |
| Admin. Support Occupations, Including Clerical  |  | 435   | 80.9              | 19,619                                  | 22,870      | 85.8  |
| Child Care Workers, Except Private Household    |  | 288   | 86.3              | 7,672                                   | 8,997       | 85.3  |
| Maids and Housemen                              |  | 453   | 80.1              | 9,084                                   | 12,976      | 70.0  |
| Social Workers                                  |  | 842   | 66.6              | 25,152                                  | 30,737      | 81.8  |
| Cannery Workers, Incl. Seafood Processing       | ,  | 2,568 | 37.2              | 7,850                                   | 10,419      | 75.4  |
| Adult Education and Other Teachers, N.E.C.      |  | 769   | 65.3              | 13,456                                  | 15,785      | 85.2  |
| Kitchen and Food Prep Workers                   |  | 1,064 | 56.8              | 9,988                                   | 11,341      | 88.1  |
| Food Counter, Fountain and Related Occupations  | the state of the s | 663   | 66.4              | 6,173                                   | 6,164       | 100.1 |
| Management Related Occupations, N.E.C.          |  | 1,091 | 54.4              | 30,283                                  | 51,301      | 59.0  |
| Nursing Aides, Orderlies, and Attendants        |  | 374   | 77.3              | 17,502                                  | 20,533      | 85.2  |
| Managers; Administrative Services               |  | 710   | 64.1              | 32,369                                  | 52,498      | 61.7  |
| Secondary School Teachers                       |  | 962   | 56.6              | 33,968                                  | 41,839      | 81.2  |
| Reservation Agents and Ticket Clerks            |  | 288   | 80.8              | 17,094                                  | 18,975      | 90.1  |
| Bartenders                                      |  | 517   | 69.8              | 10,212                                  | 13,258      | 77.0  |
| Misc. Food and Beverage Preparers               |  | 1,793 | 39.0              | 9,395                                   | 7,947       | 118.2 |
| Manual Occupations, N.E.C.                      |  | 4,683 | 19.0              | 7,268                                   | 11,584      | 62.7  |
| Combined Food Prep and Service, Fast Food       |  | 1,083 | 49.8              | 4,095                                   | 4,041       | 101.3 |
| Counter Clerks                                  |  | 595   | 63.4              | 8,470                                   | 13,860      | 61.1  |
| Bank Tellers                                    |  | 93    | 91.6              | 13,820                                  | 14,140      | 97.7  |
| Salespersons; N.E.C.                            |  | 992   | 49.9              | 12,409                                  | 22,909      | 54.2  |
| Supervisors; Sales, Retail                      |  | 1,065 | 46.7              | 22,110                                  | 35,649      | 62.0  |
| Attendants, Amusement and Recreation Facilities | 914  | 781   | 53.9              | 5,215                                   | 6,467       | 80.6  |
| Accountants and Auditors                        | 906  | 532   | 63.0              | 38,194                                  | 49,502      | 77.2  |
| General Managers and Other Top Executives       |  | 1,670 | 34.6              | 35,353                                  | 65,037      | 54.4  |
| Teachers; Special Education                     |  | 222   | 79.9              | 43,356                                  | 47,128      | 92.0  |
| Postsecondary Teachers                          | 813  | 913   | 47.1              | 20,426                                  | 30,931      | 66.0  |
| Health Aides, Except Nursing                    | 810  | 134   | 85.8              | 20,757                                  | 21,257      | 97.6  |
| Personal Service Occupations, N.E.C.            | . 756  | 420   | 64.3              | 13,295                                  | 15,722      | 84.6  |
| Administrative Assistants and Officers          | 742  | 191   | 79.5              | 23,734                                  | 37,749      | 62.9  |
| Technicians, N.E.C                              | . 697  | 564   | 55.3              | 32,554                                  | 38,483      | 84.6  |
| Salespersons, Garments and Textile Products     | 696  | 124   | 84.9              | 8,650                                   | 10,419      | 83.0  |
| Supervisors; General Office Occupations         |  | 216   | 75.3              | 28,770                                  | 41,914      | 68.6  |
| Stock and Inventory Clerks                      |  | 1,203 | 35.0              | 14,348                                  | 21,979      | 65.3  |
| Hairdressers and Cosmetologists                 |  | 40    | 94.0              | 11,311                                  | 14,194      | 79.7  |
| Information Clerks, N.E.C                       |  | 139   | 81.9              | 23,980                                  | 29,501      | 81.3  |
| Health Technologists and Technicians, N.E.C     |  | 257   | 70.4              | 23,370                                  | 31,343      | 74.6  |
| Officials and Administrators; Other, N.E.C      |  | 977   | 37.4              | 40,214                                  | 53,601      | 75.0  |
| Prekindergarten and Kindergarten Teachers       |  | 39    | 93.6              | 27,167                                  | 30,800      | 88.2  |
| Dental Assistants                               |  | 25    |                   | 17,597                                  | 15,743      | 111.8 |
| - Jimai Hoolotuitti                             |  |       |                   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,           |       |

Source: Alaska Department of Labor, Research and Analysis Section.

and waitresses. The most common male occupations are manual occupations (primarily seafood processing related jobs), carpenters, and construction laborers.

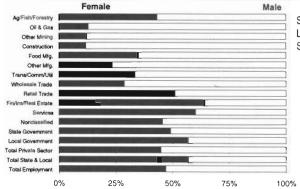
Of the top 50 occupations for male employment in 1995, only two had a female/male average annual wage income ratio exceeding 100%. Both were low-paying food service occupations. (See shading, Table 3.) A ratio over 100% means the average annual wage income of females was higher than that of males.

Of the top 50 occupations for female employment in 1995, less than one-eighth (six) had a female/male average annual wage income ratio above 100 percent. (See shading, Table 4.)

### Methodology

Total earnings were computed for all workers in 1995. Workers' social security numbers were matched with historical Permanent Fund Dividend files to determine the age and gender of workers. Only those workers that were eligible for Permanent Fund Dividends in one or more years since 1992 are included in the study population. Data are available for wage and salary workers in private sector, state and local government. Federal government workers, military, and self-employed are excluded. Occupation data are derived from Alaska's Occupational Data Base. The occupation in which the worker had the most earnings is used in this analysis. Average earnings include fulltime and part-time earnings. Gender information was available for a total of 273,184 workers in 1995.

# Gender Distribution of Total Employment by Industry—Alaska, 1995



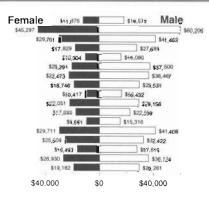
Source: Alaska Department of Labor, Research and Analysis Section.

Figure • 5

#### Figure • 6

## Male and Female Average Annual Wage Income by Industry—Alaska, 1995

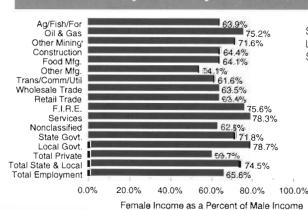
Ag/Fish/For Oil & Gas Other Mining Construction Food Mfg Other Mfg Trans/Comm/Util Wholesale Trade Retail Trade FLRE Services Nonclassified State Govt Local Govt. Total Private Total State & Local Total Employment



Source: Alaska Department of Labor, Research and Analysis Section.

### Figure • 7

## Female/Male Average Annual Wage Income Ratios by Industry—Alaska, 1995



Source: Alaska Department of Labor, Research and Analysis Section.

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