

# Hawaii: 2002

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## 2002 Economic Census

*Manufacturing*

Geographic Area Series



**USCENSUSBUREAU**

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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**Table 1. Industry Statistics for the State: 2002**

[Includes data for industry groups and industries with 100 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS code    | Geographic area and industry  | E <sup>1</sup> | All establishments <sup>2</sup> |                           | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|---------------|---|----------------|---------------------------------|---------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|               |   |                | Total                           | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>4</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| <b>HAWAII</b> |   |                |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33         | Manufacturing .....   | 1              | '929                            | '157                      | '13 200             | '421 269          | '8 865              | '16 837       | '254 713        | '1 217 728            | '2 246 539                        | '3 460 199                         | '82 960                              |
| 311           | Food manufacturing .....  | 2              | 259                             | 54                        | 5 224               | 145 699           | 3 597               | 6 693         | 90 162          | 478 098               | 427 972                           | 908 464                            | 26 914                               |
| 3113          | Sugar and confectionery product manufacturing .....                       | -              | 20                              | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31131         | Sugar manufacturing .....   | -              | 1                               | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311311        | Sugarcane mills .....   | -              | 1                               | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31133         | Confectionery manufacturing from purchased chocolate .....                | -              | 13                              | 6                         | 373                 | 9 362             | 270                 | 476           | 5 200           | 28 057                | 27 280                            | 57 396                             | 509                                  |
| 311330        | Confectionery manufacturing from purchased chocolate .....                | -              | 13                              | 6                         | 373                 | 9 362             | 270                 | 476           | 5 200           | 28 057                | 27 280                            | 57 396                             | 509                                  |
| 3114          | Fruit and vegetable preserving and specialty food manufacturing .....     | 2              | 23                              | 3                         | 728                 | 22 045            | 675                 | 1 161         | 18 878          | 55 183                | 56 334                            | 111 517                            | D                                    |
| 31142         | Fruit and vegetable canning, pickling, and drying .....                   | 1              | 20                              | 2                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | 2 481                                |
| 311421        | Fruit and vegetable canning .....   | 1              | 17                              | 2                         | 682                 | 20 698            | 634                 | 1 079         | 17 790          | 48 977                | 52 253                            | 101 230                            | 2 345                                |
| 3115          | Dairy product manufacturing .....   | 2              | 9                               | 8                         | 567                 | 21 313            | 232                 | 485           | 8 927           | 85 890                | 112 043                           | 196 506                            | D                                    |
| 31151         | Dairy product (except frozen) manufacturing .....                         | 2              | 4                               | 4                         | 416                 | 16 680            | 192                 | 405           | 7 708           | 75 662                | 99 461                            | 174 978                            | D                                    |
| 311511        | Fluid milk manufacturing .....  | -              | 1                               | 1                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311514        | Dry, condensed, and evaporated dairy product manufacturing .....          | -              | 2                               | 2                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31152         | Ice cream and frozen dessert manufacturing .....                          | 3              | 5                               | 4                         | 151                 | 4 633             | 40                  | 80            | 1 219           | 10 228                | 12 582                            | 21 528                             | 454                                  |
| 311520        | Ice cream and frozen dessert manufacturing .....                          | 3              | 5                               | 4                         | 151                 | 4 633             | 40                  | 80            | 1 219           | 10 228                | 12 582                            | 21 528                             | 454                                  |
| 3116          | Animal slaughtering and processing .....                                  | 6              | 21                              | 3                         | 320                 | 6 312             | 241                 | 455           | 4 023           | 13 826                | 27 641                            | 41 381                             | 836                                  |
| 31161         | Animal slaughtering and processing .....                                  | 6              | 21                              | 3                         | 320                 | 6 312             | 241                 | 455           | 4 023           | 13 826                | 27 641                            | 41 381                             | 836                                  |
| 311612        | Meat processed from carcasses .....                                       | 4              | 11                              | 2                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | 306                                  |
| 311615        | Poultry processing .....  | 4              | 3                               | 1                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3117          | Seafood product preparation and packaging .....                           | 7              | 4                               | 2                         | 122                 | 2 623             | 91                  | 170           | 1 593           | 5 645                 | 12 008                            | 17 642                             | 208                                  |
| 31171         | Seafood product preparation and packaging .....                           | 7              | 4                               | 2                         | 122                 | 2 623             | 91                  | 170           | 1 593           | 5 645                 | 12 008                            | 17 642                             | 208                                  |
| 3118          | Bakeries and tortilla manufacturing .....                                 | 4              | 110                             | 20                        | 1 573               | 36 051            | 1 010               | 1 688         | 22 260          | 91 489                | 46 958                            | 136 624                            | 5 554                                |
| 31181         | Bread and bakery product manufacturing .....                              | 3              | 85                              | 18                        | 1 391               | 29 997            | 872                 | 1 449         | 18 141          | 71 552                | 33 190                            | 103 386                            | 4 656                                |
| 311811        | Retail bakeries .....   | 4              | 61                              | 9                         | 635                 | 9 089             | 333                 | 471           | 4 737           | 19 120                | 9 872                             | 29 016                             | 463                                  |
| 311812        | Commercial bakeries .....   | 3              | 24                              | 9                         | 756                 | 20 908            | 539                 | 978           | 13 404          | 52 432                | 23 318                            | 74 370                             | 4 193                                |
| 31182         | Cookie, cracker, and pasta manufacturing .....                            | 7              | 24                              | 2                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311821        | Cookie and cracker manufacturing .....                                    | 5              | 16                              | 1                         | 105                 | 3 170             | 82                  | 147           | 2 110           | 11 886                | 4 572                             | 16 006                             | 528                                  |
| 3119          | Other food manufacturing .....  | 1              | 66                              | 11                        | 1 155               | 33 250            | 772                 | 1 544         | 18 260          | 123 895               | 98 336                            | 226 005                            | 6 245                                |
| 31191         | Snack food manufacturing .....  | -              | 13                              | 2                         | 459                 | 14 886            | 344                 | 748           | 9 054           | 44 176                | 40 706                            | 88 647                             | D                                    |
| 311911        | Roasted nuts and peanut butter manufacturing .....                        | -              | 4                               | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311919        | Other snack food manufacturing .....                                      | 1              | 9                               | 1                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31199         | All other food manufacturing .....  | 2              | 36                              | 7                         | 536                 | 11 642            | 334                 | 617           | 6 484           | 33 767                | 32 688                            | 66 260                             | D                                    |
| 311991        | Perishable prepared food manufacturing .....                              | 2              | 25                              | 4                         | 419                 | 8 991             | 258                 | 484           | 4 820           | 22 432                | 22 155                            | 44 448                             | D                                    |
| 311999        | All other miscellaneous food manufacturing .....                          | 3              | 11                              | 3                         | 117                 | 2 651             | 76                  | 133           | 1 664           | 11 335                | 10 533                            | 21 812                             | 209                                  |
| 312           | Beverage and tobacco product manufacturing .....                          | 1              | 18                              | 9                         | 603                 | 21 027            | 191                 | 378           | 5 180           | 57 909                | 103 724                           | 162 057                            | 5 562                                |
| 3121          | Beverage manufacturing .....  | 1              | 18                              | 9                         | 603                 | 21 027            | 191                 | 378           | 5 180           | 57 909                | 103 724                           | 162 057                            | 5 562                                |
| 31211         | Soft drink and ice manufacturing .....                                    | 1              | 11                              | 7                         | 516                 | 19 285            | 171                 | 338           | 4 701           | 53 673                | 101 438                           | 155 614                            | 5 290                                |
| 312111        | Soft drink manufacturing .....  | -              | 6                               | 5                         | 448                 | 17 049            | 139                 | 274           | 3 994           | 45 649                | 95 158                            | 141 310                            | 4 691                                |
| 315           | Apparel manufacturing .....   | 3              | 86                              | 14                        | 1 109               | 22 934            | 908                 | 1 716         | 13 759          | '49 136               | 32 045                            | '80 776                            | D                                    |
| 3152          | Cut and sew apparel manufacturing .....                                   | 3              | 82                              | 14                        | 1 103               | 22 812            | 902                 | 1 707         | 13 676          | '48 930               | 31 882                            | '80 407                            | D                                    |
| 31521         | Cut and sew apparel contractors .....                                     | 5              | 56                              | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315211        | Men's and boys' cut and sew apparel contractors .....                     | 3              | 13                              | 6                         | 368                 | 5 953             | 320                 | 594           | 4 586           | 10 697                | 1 331                             | 12 092                             | D                                    |
| 315212        | Women's, girls', and infants' cut and sew apparel contractors .....       | '7             | 43                              | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31522         | Men's and boys' cut and sew apparel manufacturing .....                   | 3              | 8                               | 3                         | c                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315223        | Men's and boys' cut and sew shirt (except work shirt) manufacturing ..... | 3              | 6                               | 3                         | 155                 | 5 132             | 109                 | 218           | 1 707           | 14 493                | 15 998                            | 30 453                             | D                                    |
| 31523         | Women's and girls' cut and sew apparel manufacturing .....                | 3              | 17                              | 3                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315233        | Women's and girls' cut and sew dress manufacturing .....                  | 1              | 10                              | 1                         | 153                 | 4 341             | 105                 | 229           | 2 056           | 9 208                 | 5 169                             | 13 854                             | D                                    |

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| NAICS code         | Geographic area and industry  | All establishments <sup>2</sup> |       | All employees             |                     | Production workers |                     |               | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |                 |
|--------------------|---|---------------------------------|-------|---------------------------|---------------------|--------------------|---------------------|---------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------|
|                    |   | E <sup>1</sup>                  | Total | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000)  | Number <sup>4</sup> | Hours (1,000) |                       |                                   |                                    |                                      | Wages (\$1,000) |
| <b>HAWAII—Con.</b> |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 321                | Wood product manufacturing . . . . .  | 2                               | 31    | 7                         | 289                 | 9 241              | 228                 | 444           | 6 406                 | 21 742                            | 30 082                             | 51 722                               | 769             |
| 3212               | Veneer, plywood, and engineered wood product manufacturing . . . . .              | —                               | 6     | 4                         | 108                 | 3 684              | 92                  | 187           | 2 814                 | 8 250                             | 10 136                             | 18 371                               | 115             |
| 32121              | Veneer, plywood, and engineered wood product manufacturing . . . . .              | —                               | 6     | 4                         | 108                 | 3 684              | 92                  | 187           | 2 814                 | 8 250                             | 10 136                             | 18 371                               | 115             |
| 321214             | Truss manufacturing . . . . .   | —                               | 6     | 4                         | 108                 | 3 684              | 92                  | 187           | 2 814                 | 8 250                             | 10 136                             | 18 371                               | 115             |
| 3219               | Other wood product manufacturing . . . . .  | 4                               | 22    | 2                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 322                | Paper manufacturing . . . . .   | —                               | 6     | 1                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 3222               | Converted paper product manufacturing . . . . .                                   | —                               | 6     | 1                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 32221              | Paperboard container manufacturing . . . . .                                      | —                               | 4     | 1                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 323                | Printing and related support activities . . . . .                                 | 3                               | 120   | 19                        | 1 615               | 49 469             | 945                 | 1 638         | 27 938                | 107 855                           | 60 697                             | 166 901                              | D               |
| 3231               | Printing and related support activities . . . . .                                 | 3                               | 120   | 19                        | 1 615               | 49 469             | 945                 | 1 638         | 27 938                | 107 855                           | 60 697                             | 166 901                              | D               |
| 32311              | Printing . . . . .  | 3                               | 115   | 18                        | 1 582               | 48 374             | 917                 | 1 577         | 27 027                | 106 017                           | 60 609                             | 164 975                              | D               |
| 323110             | Commercial lithographic printing . . . . .  | 2                               | 45    | 9                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 323113             | Commercial screen printing . . . . .  | 1                               | 32    | 6                         | 562                 | 13 600             | 201                 | 340           | 5 172                 | 36 183                            | 27 042                             | 61 773                               | 755             |
| 323114             | Quick printing . . . . .  | 8                               | 24    | 1                         | 245                 | 7 449              | 152                 | 272           | 4 321                 | 15 660                            | 5 630                              | 21 282                               | D               |
| 324                | Petroleum and coal products manufacturing . . . . .                               | —                               | 3     | 2                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 3241               | Petroleum and coal products manufacturing . . . . .                               | —                               | 3     | 2                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 32411              | Petroleum refineries . . . . .  | —                               | 2     | 2                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 324110             | Petroleum refineries . . . . .  | —                               | 2     | 2                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 325                | Chemical manufacturing . . . . .  | 7                               | 20    | 1                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 810             |
| 326                | Plastics and rubber products manufacturing . . . . .                              | 6                               | 18    | 4                         | 245                 | 7 424              | 188                 | 378           | 4 814                 | 20 236                            | 14 578                             | 34 564                               | 1 281           |
| 3261               | Plastics product manufacturing . . . . .  | 6                               | 17    | 4                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 1 281           |
| 327                | Nonmetallic mineral product manufacturing . . . . .                               | 1                               | 56    | 16                        | 866                 | 41 452             | 575                 | 1 236         | 26 981                | 108 307                           | 97 795                             | 204 551                              | 10 867          |
| 3273               | Cement and concrete product manufacturing . . . . .                               | —                               | 31    | 16                        | 756                 | 37 929             | 485                 | 1 064         | 24 314                | 99 106                            | 92 111                             | 189 628                              | 10 477          |
| 32732              | Ready-mix concrete manufacturing . . . . .  | —                               | 12    | 8                         | 448                 | 24 222             | 255                 | 566           | 15 410                | 68 306                            | 59 261                             | 127 920                              | D               |
| 327320             | Ready-mix concrete manufacturing . . . . .  | —                               | 12    | 8                         | 448                 | 24 222             | 255                 | 566           | 15 410                | 68 306                            | 59 261                             | 127 920                              | D               |
| 32733              | Concrete pipe, brick, and block manufacturing . . . . .                           | —                               | 6     | 2                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 32739              | Other concrete product manufacturing . . . . .                                    | 4                               | 12    | 5                         | 178                 | 7 494              | 139                 | 296           | 5 168                 | 14 693                            | 10 635                             | 25 129                               | 1 002           |
| 327390             | Other concrete product manufacturing . . . . .                                    | 4                               | 12    | 5                         | 178                 | 7 494              | 139                 | 296           | 5 168                 | 14 693                            | 10 635                             | 25 129                               | 1 002           |
| 332                | Fabricated metal product manufacturing . . . . .                                  | 2                               | 42    | 8                         | 454                 | 17 075             | 304                 | 583           | 10 584                | 41 599                            | 44 842                             | 85 666                               | 1 350           |
| 3323               | Architectural and structural metals manufacturing . . . . .                       | 3                               | 18    | 6                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 33232              | Ornamental and architectural metal products manufacturing . . . . .               | 4                               | 13    | 4                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 332322             | Sheet metal work manufacturing . . . . .  | 5                               | 5     | 2                         | 101                 | 3 389              | 51                  | 62            | 2 320                 | 8 896                             | 9 063                              | 17 935                               | 332             |
| 336                | Transportation equipment manufacturing . . . . .                                  | 6                               | 21    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 1 177           |
| 3366               | Ship and boat building . . . . .  | 6                               | 16    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 1 103           |
| 33661              | Ship and boat building . . . . .  | 6                               | 16    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 1 103           |
| 336611             | Ship building and repairing . . . . .   | 6                               | 10    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 1 039           |
| 337                | Furniture and related product manufacturing . . . . .                             | 1                               | 40    | 7                         | 350                 | 11 122             | 267                 | 524           | 7 183                 | 25 900                            | 18 753                             | 44 579                               | D               |
| 3371               | Household and institutional furniture and kitchen cabinet manufacturing . . . . . | 2                               | 29    | 5                         | 253                 | 7 531              | 192                 | 365           | 4 969                 | 15 258                            | 9 068                              | 24 201                               | D               |
| 33711              | Wood kitchen cabinet and countertop manufacturing . . . . .                       | 3                               | 22    | 3                         | 179                 | 5 564              | 133                 | 264           | 3 648                 | 12 193                            | 7 352                              | 19 546                               | 698             |
| 337110             | Wood kitchen cabinet and countertop manufacturing . . . . .                       | 3                               | 22    | 3                         | 179                 | 5 564              | 133                 | 264           | 3 648                 | 12 193                            | 7 352                              | 19 546                               | 698             |

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|------------|--|---------------------------------|-------|---------------------------|---------------------|--------------------|---------------------|---------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------|
|            |  | E <sup>1</sup>                  | Total | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000)  | Number <sup>4</sup> | Hours (1,000) |                       |                                   |                                    |                                      | Wages (\$1,000) |
|            | <b>HAWAII—Con.</b>                                     |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 339        | Miscellaneous manufacturing . . . . .                  | 3                               | '148  | '11                       | '1 089              | '30 099            | '641                | '1 146        | '14 898               | '49 938                           | '40 288                            | '88 765                              | D               |
| 3391       | Medical equipment and supplies manufacturing . . . . . | 2                               | 44    | 3                         | 260                 | 7 983              | 181                 | 340           | 5 634                 | 14 823                            | 4 301                              | 19 034                               | 499             |
| 33911      | Medical equipment and supplies manufacturing . . . . . | 2                               | 44    | 3                         | 260                 | 7 983              | 181                 | 340           | 5 634                 | 14 823                            | 4 301                              | 19 034                               | 499             |
| 339116     | Dental laboratories . . . . .                          | 2                               | 38    | 2                         | 212                 | 6 329              | 149                 | 285           | 4 839                 | 10 782                            | 2 461                              | 13 236                               | 325             |
| 3399       | Other miscellaneous manufacturing . . . . .            | 3                               | '104  | '8                        | '829                | '22 116            | '460                | '806          | '9 264                | '35 115                           | '35 987                            | '69 731                              | D               |
| 33991      | Jewelry and silverware manufacturing . . . . .         | 2                               | 35    | 3                         | 453                 | 11 667             | 203                 | 345           | 3 197                 | 13 020                            | 21 029                             | 32 938                               | 566             |
| 339911     | Jewelry (except costume) manufacturing . . . . .       | 2                               | 31    | 2                         | 412                 | 10 535             | 176                 | 290           | 2 653                 | 10 061                            | 18 669                             | 27 750                               | 529             |
| 33992      | Sporting and athletic goods manufacturing . . . . .    | 2                               | 20    | 3                         | 134                 | 3 186              | 86                  | 154           | 1 865                 | 9 169                             | 6 470                              | 15 417                               | 222             |
| 339920     | Sporting and athletic goods manufacturing . . . . .    | 2                               | 20    | 3                         | 134                 | 3 186              | 86                  | 154           | 1 865                 | 9 169                             | 6 470                              | 15 417                               | 222             |
| 33995      | Sign manufacturing . . . . .                           | '5                              | '23   | '—                        | '111                | '3 824             | '75                 | '147          | '2 009                | '7 192                            | '5 016                             | '12 187                              | D               |
| 339950     | Sign manufacturing . . . . .                           | '5                              | '23   | '—                        | '111                | '3 824             | '75                 | '147          | '2 009                | '7 192                            | '5 016                             | '12 187                              | D               |
| 33999      | All other miscellaneous manufacturing . . . . .        | 7                               | 24    | 2                         | c                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 378             |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text.]

| NAICS code  | Geographic area and industry  | E <sup>1</sup> | All establishments <sup>2</sup> |                           | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|---|---|----------------|---------------------------------|---------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|   |   |                | Total                           | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>4</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| <b>HILO, HI MICROPOLITAN STATISTICAL AREA</b>     |   |                |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33   | Manufacturing .....   | 2              | '114                            | '14                       | '1 246              | '38 289           | '740                | '1 466        | '20 463         | '97 719               | '102 186                          | '204 377                           | '6 371                               |
| 311   | Food manufacturing .....  | 2              | 45                              | 3                         | 642                 | 18 821            | 431                 | 884           | 10 398          | 49 119                | 54 143                            | 107 187                            | 2 133                                |
| 3119  | Other food manufacturing .....                                      | 1              | 15                              | 1                         | 364                 | 11 806            | 262                 | 590           | 6 667           | 23 491                | 28 118                            | 55 821                             | 1 197                                |
| 31191   | Snack food manufacturing .....                                      | -              | 6                               | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311911  | Roasted nuts and peanut butter manufacturing .....                  | -              | 3                               | 1                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| <b>HONOLULU, HI METROPOLITAN STATISTICAL AREA</b> |   |                |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33   | Manufacturing .....   | 1              | 683                             | 132                       | 10 253              | 326 845           | 6 855               | 12 920        | 195 266         | '948 546              | 2 017 417                         | '2 959 134                         | 59 572                               |
| 311   | Food manufacturing .....  | 2              | 169                             | 46                        | 3 349               | 88 624            | 2 185               | 3 926         | 51 078          | 306 641               | 279 042                           | 585 618                            | 13 778                               |
| 3113  | Sugar and confectionery product manufacturing .....                 | 1              | 15                              | 5                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31133   | Confectionery manufacturing from purchased chocolate .....          | -              | 10                              | 5                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311330  | Confectionery manufacturing from purchased chocolate .....          | -              | 10                              | 5                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3115  | Dairy product manufacturing .....                                   | 2              | 6                               | 5                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31151   | Dairy product (except frozen) manufacturing .....                   | 2              | 3                               | 3                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3118  | Bakeries and tortilla manufacturing .....                           | 4              | 76                              | 19                        | 1 327               | 31 259            | 850                 | 1 414         | 19 155          | 77 796                | 40 223                            | 116 489                            | 5 224                                |
| 31181   | Bread and bakery product manufacturing .....                        | 3              | 61                              | 17                        | 1 188               | 26 389            | 753                 | 1 249         | 16 074          | 63 380                | 29 367                            | 91 357                             | 4 457                                |
| 311811  | Retail bakeries .....   | 3              | 44                              | 9                         | 503                 | 7 170             | 263                 | 382           | 3 809           | 15 115                | 7 645                             | 22 760                             | 333                                  |
| 311812  | Commercial bakeries .....   | 3              | 17                              | 8                         | 685                 | 19 219            | 490                 | 867           | 12 265          | 48 265                | 21 722                            | 68 597                             | 4 124                                |
| 3119  | Other food manufacturing .....                                      | 1              | 38                              | 10                        | 748                 | 20 239            | 475                 | 885           | 10 795          | 96 140                | 66 761                            | 162 470                            | 4 902                                |
| 31199   | All other food manufacturing .....                                  | 2              | 23                              | 7                         | 473                 | 9 925             | 282                 | 513           | 5 331           | 30 043                | 28 309                            | 58 164                             | D                                    |
| 311991  | Perishable prepared food manufacturing .....                        | 1              | 14                              | 4                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | 919                                  |
| 312   | Beverage and tobacco product manufacturing .....                    | 1              | 9                               | 7                         | 503                 | 18 808            | 167                 | 330           | 4 586           | 51 861                | 99 599                            | 151 963                            | 5 137                                |
| 3121  | Beverage manufacturing .....  | 1              | 9                               | 7                         | 503                 | 18 808            | 167                 | 330           | 4 586           | 51 861                | 99 599                            | 151 963                            | 5 137                                |
| 31211   | Soft drink and ice manufacturing .....                              | 1              | 8                               | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 312111  | Soft drink manufacturing .....                                      | -              | 5                               | 5                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315   | Apparel manufacturing .....   | 3              | 78                              | 14                        | 1 094               | 22 711            | 894                 | 1 693         | 13 578          | '48 803               | 31 937                            | '80 335                            | 1 959                                |
| 3152  | Cut and sew apparel manufacturing .....                             | 3              | 75                              | 14                        | g                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | 1 957                                |
| 31521   | Cut and sew apparel contractors .....                               | 5              | 49                              | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315211  | Men's and boys' cut and sew apparel contractors .....               | 3              | 11                              | 6                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | 267                                  |
| 315212  | Women's, girls', and infants' cut and sew apparel contractors ..... | '7             | 38                              | 1                         | 261                 | 4 047             | 240                 | 426           | 3 317           | '5 842                | 1 118                             | '6 967                             | D                                    |
| 31523   | Women's and girls' cut and sew apparel manufacturing .....          | 3              | 17                              | 3                         | 276                 | 7 108             | 199                 | 417           | 3 684           | 17 154                | 12 287                            | 29 011                             | 332                                  |
| 323   | Printing and related support activities .....                       | 3              | 92                              | 16                        | 1 419               | 43 812            | 837                 | 1 458         | 25 099          | 96 372                | 54 678                            | 149 208                            | 3 073                                |
| 3231  | Printing and related support activities .....                       | 3              | 92                              | 16                        | 1 419               | 43 812            | 837                 | 1 458         | 25 099          | 96 372                | 54 678                            | 149 208                            | 3 073                                |
| 32311   | Printing .....  | 3              | 87                              | 15                        | 1 386               | 42 717            | 809                 | 1 397         | 24 188          | 94 534                | 54 590                            | 147 282                            | D                                    |
| 323110  | Commercial lithographic printing .....                              | 2              | 34                              | 9                         | 609                 | 21 407            | 452                 | 761           | 13 940          | 42 452                | 21 445                            | 63 790                             | 1 833                                |
| 323113  | Commercial screen printing .....                                    | -              | 23                              | 3                         | 465                 | 11 135            | 157                 | 271           | 4 286           | 31 015                | 24 340                            | 53 630                             | 522                                  |
| 324   | Petroleum and coal products manufacturing .....                     | -              | 2                               | 2                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3241  | Petroleum and coal products manufacturing .....                     | -              | 2                               | 2                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 32411   | Petroleum refineries .....  | -              | 2                               | 2                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 324110  | Petroleum refineries .....  | -              | 2                               | 2                         | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 327   | Nonmetallic mineral product manufacturing .....                     | 1              | 34                              | 9                         | 494                 | 24 523            | 395                 | 845           | 18 634          | 61 992                | 60 572                            | 120 775                            | 2 786                                |
| 3273  | Cement and concrete product manufacturing .....                     | 1              | 18                              | 9                         | 414                 | 21 876            | 330                 | 722           | 16 633          | 55 430                | 56 059                            | 109 677                            | 2 500                                |
| 332   | Fabricated metal product manufacturing .....                        | 1              | 32                              | 6                         | 366                 | 14 448            | 262                 | 489           | 8 686           | 32 439                | 36 511                            | 68 151                             | 1 070                                |

See footnotes at end of table.

**Table 2. Industry Statistics for Metropolitan and Micropolitan Statistical Areas: 2002—Con.**

[Includes data for industry groups and industries with 250 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For definitions of CSAs, MeSAs, MISAs, and MDs, see Appendix E. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS code   | Geographic area and industry  | All establishments <sup>2</sup> |       | All employees             |                     | Production workers |                     |               | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |                 |
|--|---|---------------------------------|-------|---------------------------|---------------------|--------------------|---------------------|---------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------|
|  |   | E <sup>1</sup>                  | Total | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000)  | Number <sup>4</sup> | Hours (1,000) |                       |                                   |                                    |                                      | Wages (\$1,000) |
| <b>HONOLULU, HI METROPOLITAN STATISTICAL AREA—Con.</b>   |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 336  | Transportation equipment manufacturing .....                          | 6                               | 18    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | 1 148                                |                 |
| 3366   | Ship and boat building .....  | 6                               | 14    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    |                 |
| 33661  | Ship and boat building .....  | 6                               | 14    | 3                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    |                 |
| 336611   | Ship building and repairing ..  | 6                               | 10    | 3                         | 402                 | 15 222             | 342                 | 666           | 11 375                | 32 298                            | 23 092                             | 55 390                               | 1 039           |
| 337  | Furniture and related product manufacturing .....                     | 1                               | 30    | 6                         | 292                 | 9 656              | 219                 | 442           | 6 160                 | 22 639                            | 16 256                             | 38 821                               | 1 284           |
| 339  | Miscellaneous manufacturing .....                                     | 3                               | 119   | 11                        | 1 021               | 28 273             | 599                 | 1 069         | 13 874                | 45 533                            | 36 415                             | 80 548                               | 1 580           |
| 3399   | Other miscellaneous manufacturing .....                               | 3                               | 83    | 8                         | 775                 | 20 687             | 428                 | 746           | 8 490                 | 31 370                            | 32 314                             | 62 373                               | 1 108           |
| 33991  | Jewelry and silverware manufacturing .....                            | 2                               | 29    | 3                         | 427                 | 10 940             | 188                 | 314           | 2 791                 | 10 903                            | 18 249                             | 28 097                               | 529             |
| 339911   | Jewelry (except costume) manufacturing .....                          | 2                               | 26    | 2                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| <b>KAHULUI-WAILUKU, HI MICROPOLITAN STATISTICAL AREA</b> |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33  | Manufacturing .....   | 1                               | 93    | 8                         | 1 491               | 50 232             | 1 141               | 2 204         | 35 640                | 157 060                           | 113 889                            | 270 556                              | 16 574          |
| 311  | Food manufacturing .....  | —                               | 34    | 4                         | 1 159               | 36 512             | 932                 | 1 791         | 27 631                | 116 228                           | 87 711                             | 204 002                              | 10 872          |
| 3113   | Sugar and confectionery product manufacturing .....                   | —                               | 3     | 1                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 31131  | Sugar manufacturing .....   | —                               | 1     | 1                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 311311   | Sugarcane mills.....  | —                               | 1     | 1                         | e                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 3114   | Fruit and vegetable preserving and specialty food manufacturing ..... | —                               | 3     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 31142  | Fruit and vegetable canning, pickling, and drying .....               | —                               | 3     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 311421   | Fruit and vegetable canning ..  | —                               | 3     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: e—250 to 499 employees; f—500 to 999 employees; g—1,000 to 2,499 employees; h—2,500 to 4,999 employees; i—5,000 to 9,999 employees; j—10,000 to 24,999 employees; k—25,000 to 49,999 employees; l—50,000 to 99,999 employees; m—100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Industry Statistics for Counties: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS code      | Geographic area and industry  | E1 | All establishments <sup>2</sup> |                           | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|-----------------|---|----|---------------------------------|---------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|                 |   |    | Total                           | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>4</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| <b>HAWAII</b>   |   |    |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33           | Manufacturing .....   | 2  | 114                             | 14                        | 1 246               | 38 289            | 740                 | 1 466         | 20 463          | 97 719                | 102 186                           | 204 377                            | 6 371                                |
| 311             | Food manufacturing .....  | 2  | 45                              | 3                         | 642                 | 18 821            | 431                 | 884           | 10 398          | 49 119                | 54 143                            | 107 187                            | 2 133                                |
| <b>HONOLULU</b> |   |    |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33           | Manufacturing .....   | 1  | 683                             | 132                       | 10 253              | 326 845           | 6 855               | 12 920        | 195 266         | 948 546               | 2 017 417                         | 2 959 134                          | 59 572                               |
| 311             | Food manufacturing .....  | 2  | 169                             | 46                        | 3 349               | 88 624            | 2 185               | 3 926         | 51 078          | 306 641               | 279 042                           | 585 618                            | 13 778                               |
| 3118            | Bakeries and tortilla manufacturing .....                             | 4  | 76                              | 19                        | 1 327               | 31 259            | 850                 | 1 414         | 19 155          | 77 796                | 40 223                            | 116 489                            | 5 224                                |
| 31181           | Bread and bakery product manufacturing .....                          | 3  | 61                              | 17                        | 1 188               | 26 389            | 753                 | 1 249         | 16 074          | 63 380                | 29 367                            | 91 357                             | 4 457                                |
| 311811          | Retail bakeries .....   | 3  | 44                              | 9                         | 503                 | 7 170             | 263                 | 382           | 3 809           | 15 115                | 7 645                             | 22 760                             | 333                                  |
| 311812          | Commercial bakeries .....   | 3  | 17                              | 8                         | 685                 | 19 219            | 490                 | 867           | 12 265          | 21 722                | 68 597                            | 4 124                              |                                      |
| 3119            | Other food manufacturing .....  | 1  | 38                              | 10                        | 748                 | 20 239            | 475                 | 885           | 10 795          | 96 140                | 66 761                            | 162 470                            | 4 902                                |
| 312             | Beverage and tobacco product manufacturing .....                      | 1  | 9                               | 7                         | 503                 | 18 808            | 167                 | 330           | 4 586           | 51 861                | 99 599                            | 151 963                            | 5 137                                |
| 3121            | Beverage manufacturing .....  | 1  | 9                               | 7                         | 503                 | 18 808            | 167                 | 330           | 4 586           | 51 861                | 99 599                            | 151 963                            | 5 137                                |
| 31211           | Soft drink and ice manufacturing .....                                | 1  | 8                               | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 315             | Apparel manufacturing .....   | 3  | 78                              | 14                        | 1 094               | 22 711            | 894                 | 1 693         | 13 578          | 48 803                | 31 937                            | 80 335                             | D                                    |
| 3152            | Cut and sew apparel manufacturing .....                               | 3  | 75                              | 14                        | g                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31521           | Cut and sew apparel contractors .....                                 | 5  | 49                              | 7                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 323             | Printing and related support activities .....                         | 3  | 92                              | 16                        | 1 419               | 43 812            | 837                 | 1 458         | 25 099          | 96 372                | 54 678                            | 149 208                            | 3 073                                |
| 3231            | Printing and related support activities .....                         | 3  | 92                              | 16                        | 1 419               | 43 812            | 837                 | 1 458         | 25 099          | 96 372                | 54 678                            | 149 208                            | 3 073                                |
| 32311           | Printing .....  | 3  | 87                              | 15                        | 1 386               | 42 717            | 809                 | 1 397         | 24 188          | 94 534                | 54 590                            | 147 282                            | D                                    |
| 323110          | Commercial lithographic printing .....                                | 2  | 34                              | 9                         | 609                 | 21 407            | 452                 | 761           | 13 940          | 42 452                | 21 445                            | 63 790                             | 1 833                                |
| 339             | Miscellaneous manufacturing .....                                     | 3  | 119                             | 11                        | g                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 3399            | Other miscellaneous manufacturing .....                               | 3  | 83                              | 8                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| <b>MAUI</b>     |   |    |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 31-33           | Manufacturing .....   | 1  | 93                              | 8                         | 1 491               | 50 232            | 1 141               | 2 204         | 35 640          | 157 060               | 113 889                           | 270 556                            | 16 574                               |
| 311             | Food manufacturing .....  | -  | 34                              | 4                         | 1 159               | 36 512            | 932                 | 1 791         | 27 631          | 116 228               | 87 711                            | 204 002                            | D                                    |
| 3114            | Fruit and vegetable preserving and specialty food manufacturing ..... | -  | 3                               | 1                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 31142           | Fruit and vegetable canning, pickling, and drying .....               | -  | 3                               | 1                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 311421          | Fruit and vegetable canning .....                                     | -  | 3                               | 1                         | f                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.  
<sup>3</sup>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 4. Industry Statistics for Places: 2002**

[Includes data for industry groups and industries with 500 employees or more. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS code                        | Geographic area and industry  | All establishments <sup>2</sup> |       | All employees             |                     | Production workers |                     |               | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |                 |
|-----------------------------------|---|---------------------------------|-------|---------------------------|---------------------|--------------------|---------------------|---------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------|
|                                   |   | E1                              | Total | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000)  | Number <sup>4</sup> | Hours (1,000) |                       |                                   |                                    |                                      | Wages (\$1,000) |
| <b>HALAWA CDP</b>                 |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33                             | Manufacturing .....   | -                               | 10    | 4                         | 529                 | 12 630             | 199                 | 372           | 5 509                 | 42 744                            | 25 601                             | 66 407                               | 2 860           |
| <b>HILO CDP</b>                   |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33                             | Manufacturing .....   | 2                               | 58    | 8                         | 869                 | 26 878             | 515                 | 1 040         | 12 978                | 62 840                            | 70 464                             | 137 408                              | 4 516           |
| 311                               | Food manufacturing .....  | 1                               | 29    | 3                         | 563                 | 16 814             | 376                 | 796           | 9 181                 | 42 256                            | 48 209                             | 94 444                               | 1 868           |
| <b>HONOLULU CDP</b>               |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33                             | Manufacturing .....   | 3                               | 459   | 77                        | 6 503               | 190 570            | 4 494               | 8 362         | 114 046               | 1 462 566                         | 423 933                            | 1 885 579                            | 15 514          |
| 311                               | Food manufacturing .....  | 2                               | 123   | 30                        | 2 456               | 66 199             | 1 582               | 2 921         | 37 639                | 206 342                           | 197 557                            | 404 169                              | 6 338           |
| 3118                              | Bakeries and tortilla manufacturing .....                             | 3                               | 53    | 11                        | 911                 | 24 048             | 584                 | 1 032         | 14 164                | 53 689                            | 33 704                             | 85 854                               | 1 897           |
| 31181                             | Bread and bakery product manufacturing .....                          | 1                               | 42    | 9                         | 777                 | 19 373             | 491                 | 875           | 11 222                | 40 382                            | 23 187                             | 62 170                               | 1 160           |
| 315                               | Apparel manufacturing .....   | 3                               | 66    | 13                        | 981                 | 20 721             | 799                 | 1 519         | 12 233                | 144 184                           | 29 785                             | 173 533                              | 1 945           |
| 3152                              | Cut and sew apparel manufacturing .....                               | 3                               | 64    | 13                        | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 31521                             | Cut and sew apparel contractors .....                                 | 4                               | 42    | 7                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 323                               | Printing and related support activities .....                         | 3                               | 72    | 14                        | 995                 | 34 360             | 714                 | 1 254         | 21 959                | 73 268                            | 44 209                             | 117 225                              | 2 561           |
| 3231                              | Printing and related support activities .....                         | 3                               | 72    | 14                        | 995                 | 34 360             | 714                 | 1 254         | 21 959                | 73 268                            | 44 209                             | 117 225                              | 2 561           |
| 32311                             | Printing .....  | 3                               | 68    | 13                        | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 323110                            | Commercial lithographic printing .....                                | 2                               | 32    | 9                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 339                               | Miscellaneous manufacturing .....                                     | 3                               | 90    | 5                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 968             |
| 3399                              | Other miscellaneous manufacturing .....                               | 3                               | 57    | 3                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 737             |
| <b>KAHULUI CDP</b>                |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33                             | Manufacturing .....   | -                               | 19    | 2                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | 2 357           |
| 311                               | Food manufacturing .....  | -                               | 8     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 3114                              | Fruit and vegetable preserving and specialty food manufacturing ..... | -                               | 1     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 31142                             | Fruit and vegetable canning, pickling, and drying .....               | -                               | 1     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| 311421                            | Fruit and vegetable canning .....                                     | -                               | 1     | 1                         | f                   | D                  | D                   | D             | D                     | D                                 | D                                  | D                                    | D               |
| <b>BALANCE OF HONOLULU COUNTY</b> |   |                                 |       |                           |                     |                    |                     |               |                       |                                   |                                    |                                      |                 |
| 31-33                             | Manufacturing .....   | -                               | 91    | 30                        | 1 799               | 81 140             | 1 294               | 2 684         | 55 138                | 329 684                           | 1 446 940                          | 1 772 053                            | 31 121          |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Industries with 500 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 500 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: f-500 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 5. Detailed Statistics for the State: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item   | Value                |
|--|----------------------|
| <b>HAWAII</b>  |                      |
| Companies <sup>1</sup> .....   | N                    |
| All establishments <sup>2</sup> .....  | '929                 |
| Establishments with 1 to 19 employees .....                                      | 772                  |
| Establishments with 20 to 99 employees .....                                     | '135                 |
| Establishments with 100 employees or more .....                                  | 22                   |
| All employees <sup>3</sup> .....   | '13 200              |
| Total compensation .....   | \$1,000.. '512 860   |
| Annual payroll .....   | \$1,000.. '421 269   |
| Total fringe benefits .....  | \$1,000.. '91 591    |
| Production workers, average for year .....                                       | number.. '8 865      |
| Production workers on March 12 .....   | number.. '8 858      |
| Production workers on May 12 .....   | number.. '8 830      |
| Production workers on August 12 .....  | number.. '8 880      |
| Production workers on November 12 .....  | number.. '8 859      |
| Production worker hours .....  | 1,000.. '16 837      |
| Production worker wages .....  | \$1,000.. '254 713   |
| Total cost of materials .....  | \$1,000.. '2 246 539 |
| Materials, parts, containers, packaging, etc., used .....                        | \$1,000.. '1 904 259 |
| Resales .....  | \$1,000.. '246 016   |
| Purchased fuels .....  | \$1,000.. '41 001    |
| Purchased electricity .....  | \$1,000.. '21 969    |
| Contract work .....  | \$1,000.. '33 294    |
| Quantity of electricity purchased for heat and power .....                       | 1,000 kWh.. '204 563 |
| Quantity of electricity generated less sold for heat and power .....             | 1,000 kWh.. 356 114  |
| Total value of shipments .....   | \$1,000.. '3 480 199 |
| Value of resales .....   | \$1,000.. '280 656   |
| Value added .....  | \$1,000.. '1 217 728 |
| Total inventories, beginning of year .....                                       | \$1,000.. '366 172   |
| Finished goods inventories .....   | \$1,000.. '195 042   |
| Work-in-process inventories .....  | \$1,000.. '74 346    |
| Materials and supplies inventories .....   | \$1,000.. '96 784    |
| Total inventories, end of year .....   | \$1,000.. '370 990   |
| Finished goods inventories .....   | \$1,000.. '237 652   |
| Work-in-process inventories .....  | \$1,000.. '31 358    |
| Materials and supplies inventories .....   | \$1,000.. '101 980   |
| Gross value of depreciable assets (acquisition costs) at beginning of year ..... | \$1,000.. '1 386 417 |
| Total capital expenditures (new and used) .....                                  | \$1,000.. '82 960    |
| Buildings and other structures (new and used) .....                              | \$1,000.. '13 569    |
| Machinery and equipment (new and used) .....                                     | \$1,000.. '69 391    |
| Automobiles, trucks, etc., for highway use .....                                 | \$1,000.. '5 399     |
| Computers and peripheral data processing equipment .....                         | \$1,000.. '4 080     |
| All other expenditures for machinery and equipment .....                         | \$1,000.. '59 912    |
| Total retirements .....  | \$1,000.. '33 527    |
| Gross value of depreciable assets at end of year .....                           | \$1,000.. '1 435 850 |
| Depreciation charges during year .....   | \$1,000.. '76 908    |
| Total rental payments .....  | \$1,000.. 51 216     |
| Buildings and other structures .....   | \$1,000.. 36 161     |
| Machinery and equipment .....  | \$1,000.. 15 055     |

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.