

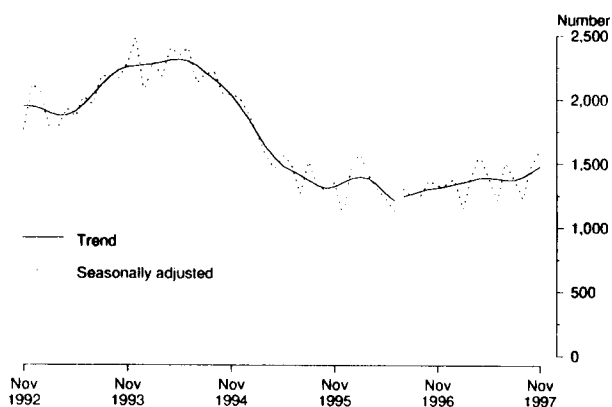
## BUILDING APPROVALS, WESTERN AUSTRALIA, NOVEMBER 1997

### MAIN FEATURES

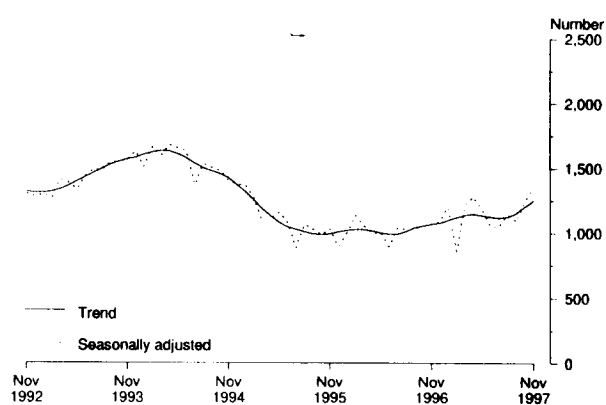
#### NUMBER OF DWELLING UNITS APPROVED

|                     | November<br>1996 | October<br>1997 | November<br>1997 | November 1996 to<br>November 1997<br>change | October 1997 to<br>November 1997<br>change |
|---------------------|------------------|-----------------|------------------|---|--|
| Original series     | 1,366            | 1,508           | 1,541            | 12.8%                                       | 2.2%                                       |
| Seasonally adjusted | 1,325            | 1,474           | 1,604            | 21.1%                                       | 8.8%                                       |
| Trend estimate      | 1,312            | 1,431           | 1,480            | 12.8%                                       | 3.4%                                       |

TOTAL DWELLING UNITS APPROVED



PRIVATE SECTOR HOUSES APPROVED



#### Residential building

- The trend for the total number of dwelling units approved has risen with an increase of 3.4% in November. It will continue to rise unless the seasonally adjusted estimate for December falls by more than 24%.
- The trend for the number of private sector houses continued to rise with an increase of 4.2% in November.
- In original terms there were 1,541 dwelling units approved in November, an increase of 2.2% on October.
- The value of new residential building approved was \$154.6 million and the value of alterations and additions to residential building was \$16.2 million.

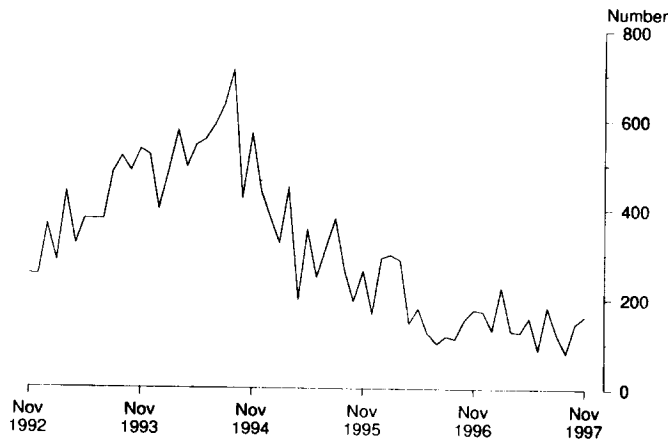
#### Non-residential building

- The value of non-residential building approved in November was \$79.4 million. Other business premises accounted for \$14.6 million, followed by shops with \$11.7 million and educational with \$11.2 million.
- There were three building jobs valued at more than \$5 million and 12 jobs valued between \$1 million and \$5 million.

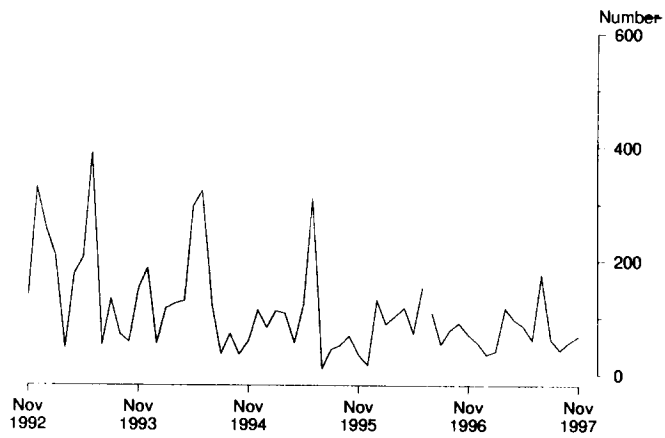
#### INQUIRIES

- for more information about statistics in this publication and the availability of related unpublished statistics, contact Merv Leaker on Adelaide (08) 8237 7585 or any ABS State Office.
- for information about other ABS statistics and services please contact Information Services on Perth (08) 9360 5140, call at 2 The Esplanade, Perth or write to Information Services, ABS, GPO Box K881, Perth WA, 6001.

**NEW OTHER RESIDENTIAL BUILDINGS APPROVED  
PRIVATE SECTOR**



**TOTAL DWELLING UNITS APPROVED  
PUBLIC SECTOR**



**VALUE OF BUILDING WORK APPROVED**

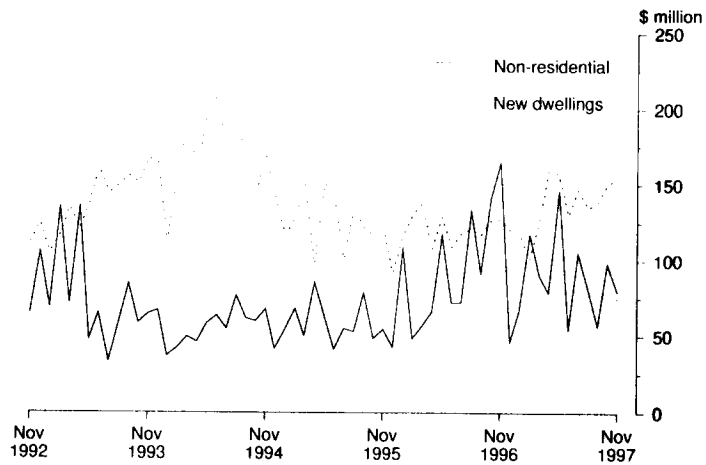


TABLE 1. NUMBER OF DWELLING UNITS APPROVED

| Period                     | New houses     |               |        | New other residential buildings |               |       | Conversions,<br>etc. | Total (a)      |               |        |
|----------------------------|----------------|---------------|--------|---------------------------------|---------------|-------|----------------------|----------------|---------------|--------|
|                            | Private sector | Public sector | Total  | Private sector                  | Public sector | Total |                      | Private sector | Public sector | Total  |
| PERTH STATISTICAL DIVISION |                |               |        |                                 |               |       |                      |                |               |        |
| 1994-95                    | 11,238         | 255           | 11,493 | 4,430                           | 509           | 4,939 | 98                   | 15,765         | 765           | 16,530 |
| 1995-96                    | 8,237          | 149           | 8,386  | 2,376                           | 451           | 2,827 | 80                   | 10,693         | 600           | 11,293 |
| 1996-97                    | 9,106          | 261           | 9,367  | 1,434                           | 192           | 1,626 | 67                   | 10,601         | 459           | 11,060 |
| 1996-97<br>July-November   | 3,888          | 122           | 4,010  | 543                             | 69            | 612   | 29                   | 4,454          | 197           | 4,651  |
| 1997-98<br>July-November   | 4,132          | 126           | 4,258  | 536                             | 101           | 637   | 54                   | 4,722          | 227           | 4,949  |
| 1996 -                     |                |               |        |                                 |               |       |                      |                |               |        |
| September                  | 712            | 34            | 746    | 104                             | 2             | 106   | 6                    | 822            | 36            | 858    |
| October                    | 776            | 23            | 799    | 113                             | 19            | 132   | 14                   | 897            | 48            | 945    |
| November                   | 784            | 27            | 811    | 137                             | 9             | 146   | 2                    | 923            | 36            | 959    |
| December                   | 709            | 17            | 726    | 155                             | 15            | 170   | 12                   | 876            | 32            | 908    |
| 1997 -                     |                |               |        |                                 |               |       |                      |                |               |        |
| January                    | 647            | 18            | 665    | 114                             | 5             | 119   | 6                    | 767            | 23            | 790    |
| February                   | 538            | 24            | 562    | 222                             | 4             | 226   | 5                    | 765            | 28            | 793    |
| March                      | 672            | 24            | 696    | 105                             | 36            | 141   | 11                   | 788            | 60            | 848    |
| April                      | 939            | 13            | 952    | 90                              | 36            | 126   | 4                    | 1,033          | 49            | 1,082  |
| May                        | 929            | 20            | 949    | 139                             | 27            | 166   | ...                  | 1,068          | 47            | 1,115  |
| June                       | 784            | 23            | 807    | 66                              | —             | 66    | —                    | 850            | 23            | 873    |
| July                       | 762            | 51            | 813    | 150                             | 24            | 174   | 24                   | 936            | 75            | 1,011  |
| August                     | 808            | 20            | 828    | 101                             | 4             | 105   | 10                   | 919            | 24            | 943    |
| September                  | 813            | 14            | 827    | 74                              | 14            | 88    | 17                   | 904            | 28            | 932    |
| October                    | 836            | 6             | 842    | 115                             | 38            | 153   | 1                    | 952            | 44            | 996    |
| November                   | 913            | 35            | 948    | 96                              | 21            | 117   | 2                    | 1,011          | 56            | 1,067  |
| WESTERN AUSTRALIA          |                |               |        |                                 |               |       |                      |                |               |        |
| 1994-95                    | 15,783         | 424           | 16,207 | 5,297                           | 808           | 6,105 | 115                  | 21,194         | 1,233         | 22,427 |
| 1995-96                    | 11,945         | 266           | 12,211 | 2,900                           | 627           | 3,527 | 115                  | 14,960         | 893           | 15,853 |
| 1996-97                    | 13,068         | 565           | 13,633 | 1,682                           | 331           | 2,013 | 97                   | 14,841         | 902           | 15,743 |
| 1996-97<br>July-November   | 5,503          | 236           | 5,739  | 655                             | 165           | 820   | 41                   | 6,193          | 407           | 6,600  |
| 1997-98<br>July-November   | 6,122          | 280           | 6,402  | 691                             | 126           | 817   | 62                   | 6,875          | 406           | 7,281  |
| 1996 -                     |                |               |        |                                 |               |       |                      |                |               |        |
| September                  | 1,045          | 63            | 1,108  | 111                             | 16            | 127   | 10                   | 1,166          | 79            | 1,245  |
| October                    | 1,117          | 40            | 1,157  | 153                             | 51            | 204   | 15                   | 1,279          | 97            | 1,376  |
| November                   | 1,117          | 58            | 1,175  | 175                             | 12            | 187   | 4                    | 1,296          | 70            | 1,366  |
| December                   | 1,001          | 34            | 1,035  | 172                             | 22            | 194   | 13                   | 1,186          | 56            | 1,242  |
| 1997 -                     |                |               |        |                                 |               |       |                      |                |               |        |
| January                    | 1,003          | 31            | 1,034  | 130                             | 5             | 135   | 13                   | 1,146          | 36            | 1,182  |
| February                   | 773            | 30            | 803    | 226                             | 12            | 238   | 6                    | 1,005          | 42            | 1,047  |
| March                      | 958            | 81            | 1,039  | 129                             | 36            | 165   | 12                   | 1,099          | 117           | 1,216  |
| April                      | 1,397          | 59            | 1,456  | 125                             | 38            | 163   | 7                    | 1,529          | 97            | 1,626  |
| May                        | 1,327          | 49            | 1,376  | 158                             | 37            | 195   | 5                    | 1,490          | 86            | 1,576  |
| June                       | 1,106          | 45            | 1,151  | 87                              | 16            | 103   | —                    | 1,193          | 61            | 1,254  |
| July                       | 1,149          | 134           | 1,283  | 182                             | 41            | 223   | 25                   | 1,356          | 175           | 1,531  |
| August                     | 1,175          | 50            | 1,225  | 120                             | 12            | 132   | 16                   | 1,311          | 62            | 1,373  |
| September                  | 1,186          | 30            | 1,216  | 81                              | 14            | 95    | 17                   | 1,284          | 44            | 1,328  |
| October                    | 1,304          | 19            | 1,323  | 145                             | 38            | 183   | 2                    | 1,451          | 57            | 1,508  |
| November                   | 1,308          | 47            | 1,355  | 163                             | 21            | 184   | 2                    | 1,473          | 68            | 1,541  |

(a) Includes Conversions, etc. See paragraphs 9-11 of the Explanatory Notes.

**TABLE 2. VALUE OF BUILDING APPROVED**  
(\$ million)

| Period                            | New residential building |               |         |                             |               |       |                |               |         | Alterations and additions to residential buildings | Non-residential building |         | Total building |         |
|-----------------------------------|--------------------------|---------------|---------|-----------------------------|---------------|-------|----------------|---------------|---------|--|--------------------------|---------|----------------|---------|
|                                   | Houses                   |               |         | Other residential buildings |               |       | Total          |               |         |  | Private sector           | Total   | Private sector | Total   |
|                                   | Private sector           | Public sector | Total   | Private sector              | Public sector | Total | Private sector | Public sector | Total   |  |                          |         |                |         |
| <b>PERTH STATISTICAL DIVISION</b> |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| 1994-95                           | 928.5                    | 17.9          | 946.4   | 302.5                       | 31.6          | 334.1 | 1,231.0        | 49.5          | 1,280.6 | 126.1  | 438.5                    | 555.5   | 1,795.5        | 1,962.2 |
| 1995-96                           | 787.4                    | 10.6          | 798.0   | 186.5                       | 33.0          | 219.6 | 973.9          | 43.6          | 1,017.6 | 128.2  | 512.8                    | 597.3   | 1,614.7        | 1,743.1 |
| 1996-97                           | 903.3                    | 20.1          | 923.3   | 136.1                       | 11.1          | 147.2 | 1,039.4        | 31.2          | 1,070.6 | 139.5  | 542.5                    | 779.9   | 1,718.7        | 1,990.0 |
| 1996-97                           |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| July-November                     | 374.0                    | 10.0          | 384.0   | 44.4                        | 3.3           | 47.7  | 418.4          | 13.3          | 431.7   | 56.4   | 282.5                    | 444.7   | 756.2          | 932.8   |
| 1997-98                           |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| July-November                     | 427.0                    | 9.6           | 436.6   | 45.4                        | 6.9           | 52.3  | 472.4          | 16.5          | 488.9   | 64.1   | 235.4                    | 317.5   | 771.8          | 870.6   |
| 1996—                             |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| September                         | 69.4                     | 3.8           | 73.2    | 7.4                         | 0.1           | 7.5   | 76.8           | 3.9           | 80.7    | 9.4  | 57.3                     | 73.9    | 143.5          | 164.0   |
| October                           | 74.0                     | 1.7           | 75.8    | 10.2                        | 0.8           | 11.0  | 84.3           | 2.5           | 86.8    | 11.1   | 94.3                     | 120.1   | 189.6          | 218.1   |
| November                          | 75.4                     | 1.7           | 77.1    | 12.0                        | 0.5           | 12.5  | 87.4           | 2.2           | 89.6    | 11.7   | 37.4                     | 125.7   | 136.6          | 227.0   |
| December                          | 73.0                     | 1.3           | 74.3    | 15.5                        | 1.0           | 16.6  | 88.6           | 2.3           | 90.9    | 12.2   | 28.6                     | 29.7    | 129.4          | 132.8   |
| 1997—                             |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| January                           | 65.2                     | 1.2           | 66.4    | 14.2                        | 0.3           | 14.4  | 79.4           | 1.5           | 80.8    | 11.4   | 25.3                     | 45.4    | 116.0          | 137.7   |
| February                          | 55.0                     | 1.6           | 56.6    | 19.8                        | 0.3           | 20.1  | 74.9           | 1.9           | 76.7    | 9.8  | 31.5                     | 35.5    | 116.2          | 122.0   |
| March                             | 69.3                     | 1.8           | 71.1    | 12.6                        | 2.8           | 15.4  | 81.8           | 4.6           | 86.5    | 12.6   | 56.4                     | 62.6    | 150.8          | 161.7   |
| April                             | 90.5                     | 1.0           | 91.5    | 10.2                        | 1.9           | 12.2  | 100.7          | 2.9           | 103.7   | 14.0   | 42.1                     | 43.8    | 156.4          | 161.5   |
| May                               | 93.7                     | 1.3           | 95.0    | 13.1                        | 1.5           | 14.6  | 106.8          | 2.8           | 109.7   | 11.3   | 48.8                     | 89.8    | 166.7          | 210.8   |
| June                              | 82.5                     | 1.8           | 84.4    | 6.2                         | —             | 6.2   | 88.8           | 1.8           | 90.6    | 11.8   | 27.2                     | 28.4    | 127.0          | 130.8   |
| July                              | 78.3                     | 4.2           | 82.6    | 12.0                        | 1.4           | 13.3  | 90.3           | 5.6           | 95.9    | 12.6   | 53.9                     | 87.5    | 156.8          | 196.0   |
| August                            | 82.3                     | 1.9           | 84.2    | 7.6                         | 0.3           | 7.9   | 89.9           | 2.2           | 92.0    | 12.4   | 30.5                     | 55.2    | 132.8          | 159.7   |
| September                         | 86.8                     | 1.1           | 87.9    | 7.7                         | 2.1           | 9.7   | 94.5           | 3.1           | 97.6    | 12.8   | 41.8                     | 42.2    | 149.0          | 152.6   |
| October                           | 84.6                     | 0.4           | 85.0    | 10.5                        | 2.0           | 12.5  | 95.1           | 2.4           | 97.5    | 13.7   | 52.2                     | 70.9    | 160.9          | 182.1   |
| November                          | 94.9                     | 2.0           | 96.9    | 7.8                         | 1.2           | 9.0   | 102.7          | 3.2           | 105.9   | 12.7   | 56.9                     | 61.6    | 172.2          | 180.2   |
| <b>WESTERN AUSTRALIA</b>          |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| 1994-95                           | 1,319.8                  | 34.5          | 1,354.3 | 366.3                       | 54.0          | 420.3 | 1,686.1        | 88.5          | 1,774.6 | 156.2  | 580.9                    | 728.2   | 2,422.9        | 2,659.0 |
| 1995-96                           | 1,123.8                  | 24.6          | 1,148.3 | 225.5                       | 46.9          | 272.3 | 1,349.2        | 71.4          | 1,420.7 | 162.9  | 692.0                    | 803.1   | 2,203.6        | 2,386.6 |
| 1996-97                           | 1,294.2                  | 54.9          | 1,349.1 | 153.8                       | 21.8          | 175.7 | 1,448.0        | 76.8          | 1,524.7 | 172.7  | 774.3                    | 1,204.4 | 2,391.0        | 2,901.8 |
| 1996-97                           |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| July-November                     | 527.6                    | 21.9          | 549.5   | 50.8                        | 11.2          | 62.0  | 578.4          | 33.1          | 611.5   | 70.6   | 379.3                    | 603.8   | 1,026.5        | 1,285.9 |
| 1997-98                           |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| July-November                     | 636.7                    | 25.7          | 662.4   | 55.5                        | 8.9           | 64.3  | 692.2          | 34.6          | 726.8   | 82.1   | 312.4                    | 420.8   | 1,086.5        | 1,229.7 |
| 1996—                             |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| September                         | 101.0                    | 7.2           | 108.2   | 7.8                         | 1.2           | 9.0   | 108.8          | 8.4           | 117.2   | 12.6   | 74.1                     | 91.9    | 195.3          | 221.6   |
| October                           | 107.4                    | 3.6           | 111.0   | 12.1                        | 3.7           | 15.9  | 119.5          | 7.3           | 126.9   | 14.3   | 114.6                    | 141.0   | 248.2          | 282.1   |
| November                          | 107.6                    | 5.0           | 112.6   | 14.5                        | 0.7           | 15.2  | 122.1          | 5.8           | 127.8   | 14.2   | 54.9                     | 165.0   | 191.1          | 307.0   |
| December                          | 99.3                     | 3.1           | 102.4   | 16.7                        | 1.3           | 18.1  | 116.0          | 4.4           | 120.5   | 14.0   | 39.0                     | 46.4    | 169.1          | 180.8   |
| 1997—                             |                          |               |         |                             |               |       |                |               |         |  |                          |         |                |         |
| January                           | 101.1                    | 2.3           | 103.4   | 15.4                        | 0.3           | 15.6  | 116.5          | 2.5           | 119.0   | 14.9   | 31.7                     | 66.7    | 163.0          | 200.6   |
| February                          | 78.1                     | 2.1           | 80.2    | 20.3                        | 0.8           | 21.1  | 98.4           | 3.0           | 101.3   | 12.3   | 73.6                     | 117.8   | 184.1          | 231.4   |
| March                             | 98.5                     | 10.2          | 108.7   | 14.3                        | 2.8           | 17.1  | 112.8          | 13.0          | 125.8   | 15.0   | 68.3                     | 90.4    | 196.0          | 231.1   |
| April                             | 137.0                    | 6.8           | 143.8   | 13.3                        | 2.1           | 15.4  | 150.3          | 9.0           | 159.2   | 16.8   | 72.7                     | 78.8    | 239.0          | 254.8   |
| May                               | 135.8                    | 4.7           | 140.5   | 14.7                        | 2.1           | 16.8  | 150.5          | 6.8           | 157.3   | 15.2   | 63.1                     | 146.4   | 228.4          | 318.9   |
| June                              | 116.8                    | 3.8           | 120.6   | 8.4                         | 1.2           | 9.6   | 125.2          | 5.0           | 130.2   | 14.1   | 46.3                     | 54.1    | 184.9          | 198.4   |
| July                              | 118.2                    | 11.6          | 129.8   | 14.7                        | 2.7           | 17.4  | 133.0          | 14.3          | 147.2   | 16.0   | 71.2                     | 105.3   | 220.2          | 268.5   |
| August                            | 119.6                    | 5.4           | 125.1   | 9.0                         | 0.9           | 10.0  | 128.7          | 6.4           | 135.0   | 15.7   | 51.8                     | 81.4    | 196.2          | 232.1   |
| September                         | 126.1                    | 2.9           | 129.0   | 8.3                         | 2.1           | 10.3  | 134.4          | 4.9           | 139.3   | 15.8   | 54.3                     | 56.5    | 204.4          | 211.7   |
| October                           | 134.4                    | 2.1           | 136.4   | 12.2                        | 2.0           | 14.2  | 146.6          | 4.0           | 150.6   | 18.4   | 64.6                     | 98.3    | 229.5          | 267.2   |
| November                          | 138.4                    | 3.8           | 142.2   | 11.2                        | 1.2           | 12.4  | 149.6          | 5.0           | 154.6   | 16.2   | 70.5                     | 79.4    | 236.3          | 250.2   |

**TABLE 3. NUMBER OF DWELLING UNITS (a) APPROVED SEASONALLY ADJUSTED AND TREND ESTIMATES (b)(c)**

| Period        | Houses              |                |                     |                | Total               |                |                     |                |
|---------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|
|               | Private sector      |                | Total               |                | Private sector      |                | Total               |                |
|               | Seasonally adjusted | Trend estimate | Seasonally adjusted | Trend estimate | Seasonally adjusted | Trend estimate | Seasonally adjusted | Trend estimate |
|               | <i>1996--</i>       |                |                     |                |                     |                |                     |                |
| September     | 1,035               | 1,042          | 1,091               | 1,101          | 1,132               | 1,177          | 1,244               | 1,285          |
| October       | 1,058               | 1,060          | 1,140               | 1,117          | 1,245               | 1,202          | 1,371               | 1,303          |
| November      | 1,075               | 1,069          | 1,139               | 1,124          | 1,224               | 1,221          | 1,325               | 1,312          |
| December      | 1,092               | 1,081          | 1,128               | 1,132          | 1,260               | 1,241          | 1,336               | 1,323          |
| <i>1997--</i> |                     |                |                     |                |                     |                |                     |                |
| January       | 1,203               | 1,100          | 1,243               | 1,147          | 1,326               | 1,263          | 1,379               | 1,336          |
| February      | 858                 | 1,124          | 891                 | 1,167          | 1,102               | 1,285          | 1,146               | 1,352          |
| March         | 1,224               | 1,142          | 1,286               | 1,188          | 1,301               | 1,304          | 1,406               | 1,371          |
| April         | 1,281               | 1,148          | 1,347               | 1,203          | 1,488               | 1,311          | 1,577               | 1,387          |
| May           | 1,184               | 1,139          | 1,227               | 1,204          | 1,325               | 1,302          | 1,387               | 1,389          |
| June          | 1,052               | 1,125          | 1,075               | 1,196          | 1,183               | 1,284          | 1,208               | 1,380          |
| July          | 1,051               | 1,118          | 1,218               | 1,190          | 1,295               | 1,271          | 1,506               | 1,372          |
| August        | 1,145               | 1,127          | 1,211               | 1,194          | 1,270               | 1,274          | 1,374               | 1,374          |
| September     | 1,094               | 1,158          | 1,121               | 1,219          | 1,163               | 1,299          | 1,226               | 1,397          |
| October       | 1,236               | 1,202          | 1,274               | 1,254          | 1,399               | 1,338          | 1,474               | 1,431          |
| November      | 1,353               | 1,253          | 1,403               | 1,299          | 1,509               | 1,390          | 1,604               | 1,480          |

(a) Includes Conversions, etc. See paragraphs 9-11 of the Explanatory Notes. (b) Seasonally adjusted series smoothed by application of a 13-term Henderson moving average. Trend estimates for the most recent months are provisional and can be revised as data for additional months become available. See Explanatory Notes for a more detailed explanation. (c) Series have been revised due to annual re-analysis of seasonal adjustment factors.

**TABLE 4. VALUE OF BUILDING APPROVED AT AVERAGE 1989-90 PRICES (a)  
(\$ million)**

| Period        | New residential building |         |                             |         | Alterations and additions to residential buildings | Non-residential building |         | Total building |         |
|---------------|--------------------------|---------|-----------------------------|---------|--|--------------------------|---------|----------------|---------|
|               | Houses                   |         | Other residential buildings | Total   |  | Private sector           | Total   | Private sector | Total   |
|               | Private sector           | Total   |                             |         |  |                          |         |                |         |
| 1994-95       | 1,356.3                  | 1,391.5 | 407.6                       | 1,799.0 | 160.5  | 559.2                    | 701.2   | 2,427.5        | 2,660.7 |
| 1995-96       | 1,131.1                  | 1,155.7 | 259.1                       | 1,414.9 | 163.9  | 654.1                    | 758.9   | 2,158.9        | 2,337.6 |
| 1996-97       | 1,303.9                  | 1,359.2 | 164.5                       | 1,523.7 | 174.1  | 719.1                    | 1,118.3 | 2,331.2        | 2,816.1 |
| <i>1996--</i> |                          |         |                             |         |  |                          |         |                |         |
| June qtr.     | 293.4                    | 301.5   | 44.9                        | 346.5   | 37.0   | 212.8                    | 240.8   | 571.5          | 624.3   |
| Sept. qtr.    | 314.8                    | 328.2   | 29.2                        | 357.4   | 42.5   | 196.6                    | 279.1   | 574.0          | 679.0   |
| Dec. qtr.     | 316.2                    | 328.0   | 46.2                        | 374.3   | 42.8   | 194.4                    | 328.4   | 592.4          | 745.4   |
| <i>1997--</i> |                          |         |                             |         |  |                          |         |                |         |
| Mar. qtr.     | 279.7                    | 294.4   | 50.3                        | 344.7   | 42.4   | 160.8                    | 254.5   | 527.8          | 641.5   |
| June qtr.     | 393.2                    | 408.6   | 38.8                        | 447.4   | 46.4   | 167.2                    | 256.4   | 637.0          | 750.2   |
| Sept. qtr.    | 367.2                    | 387.3   | 34.7                        | 422.0   | 47.9   | 161.4                    | 221.2   | 604.4          | 691.2   |

(a) See paragraphs 16-26 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up to date information on prices and commodity compositions becomes available.

**TABLE 5. VALUE OF BUILDING APPROVED, BY CLASS OF BUILDING AND OWNERSHIP**  
(**\$ million**)

| Class of building                                  | 1995-96        | 1996-97        | July-November  |                | 1997         |              |              |
|--|----------------|----------------|----------------|----------------|--------------|--------------|--------------|
|  |                |                | 1996-97        | 1997-98        | September    | October      | November     |
| <b>PRIVATE SECTOR</b>                              |                |                |                |                |              |              |              |
| New houses   | 1,123.8        | 1,294.2        | 527.6          | 636.7          | 126.1        | 134.4        | 138.4        |
| New other residential buildings                    | 225.5          | 153.8          | 50.8           | 55.5           | 8.3          | 12.2         | 11.2         |
| <i>Total new residential building</i>              | <i>1,349.2</i> | <i>1,448.0</i> | <i>578.4</i>   | <i>692.2</i>   | <i>134.4</i> | <i>146.6</i> | <i>149.6</i> |
| Alterations and additions to residential buildings | 162.4          | 168.7          | 68.8           | 82.0           | 15.7         | 18.3         | 16.2         |
| Hotels, etc.                                       | 113.3          | 75.4           | 18.1           | 22.0           | 2.3          | 4.1          | 2.4          |
| Shops  | 117.5          | 162.7          | 76.7           | 68.5           | 11.3         | 12.5         | 11.7         |
| Factories  | 79.5           | 96.2           | 40.8           | 34.4           | 6.1          | 5.2          | 6.3          |
| Offices  | 72.8           | 117.2          | 86.1           | 40.3           | 4.7          | 10.6         | 10.5         |
| Other business premises                            | 107.9          | 113.6          | 46.9           | 61.4           | 13.4         | 13.7         | 13.8         |
| Educational  | 43.5           | 38.8           | 23.3           | 20.8           | 3.5          | 9.0          | 3.8          |
| Religious  | 4.4            | 5.2            | 1.7            | 5.8            | 0.5          | 0.2          | 3.5          |
| Health   | 31.6           | 96.1           | 44.6           | 25.2           | 8.4          | 1.7          | 7.0          |
| Entertainment and recreational                     | 34.1           | 36.6           | 20.1           | 22.3           | 2.2          | 7.1          | 9.5          |
| Miscellaneous                                      | 87.3           | 32.5           | 21.0           | 11.6           | 2.0          | 0.4          | 1.9          |
| <i>Total non-residential building</i>              | <i>692.0</i>   | <i>774.3</i>   | <i>379.3</i>   | <i>312.4</i>   | <i>54.3</i>  | <i>64.6</i>  | <i>70.5</i>  |
| <b>Total</b>                                       | <b>2,203.6</b> | <b>2,391.0</b> | <b>1,026.5</b> | <b>1,086.5</b> | <b>204.4</b> | <b>229.5</b> | <b>236.3</b> |
| <b>PUBLIC SECTOR</b>                               |                |                |                |                |              |              |              |
| New houses   | 24.6           | 54.9           | 21.9           | 25.7           | 2.9          | 2.1          | 3.8          |
| New other residential buildings                    | 46.9           | 21.8           | 11.2           | 8.9            | 2.1          | 2.0          | 1.2          |
| <i>Total new residential building</i>              | <i>71.4</i>    | <i>76.8</i>    | <i>33.1</i>    | <i>34.6</i>    | <i>4.9</i>   | <i>4.0</i>   | <i>5.0</i>   |
| Alterations and additions to residential buildings | 0.5            | 3.9            | 1.8            | 0.1            | 0.1          | —            | —            |
| Hotels, etc.                                       | —              | —              | —              | 0.7            | —            | 0.1          | —            |
| Shops  | 1.5            | 1.5            | 0.2            | 0.3            | 0.3          | —            | —            |
| Factories  | 0.9            | 6.4            | 1.2            | 2.0            | —            | —            | 0.5          |
| Offices  | 33.6           | 39.2           | 16.5           | 31.8           | 0.5          | 3.6          | 0.1          |
| Other business premises                            | 4.1            | 46.8           | 38.4           | 4.0            | 0.3          | 0.3          | 0.7          |
| Educational  | 37.0           | 113.2          | 83.2           | 40.3           | 1.0          | 16.2         | 7.4          |
| Religious  | —              | 0.2            | —              | —              | —            | —            | —            |
| Health   | 1.2            | 118.4          | 31.2           | 14.1           | —            | 6.2          | —            |
| Entertainment and recreational                     | 13.9           | 55.7           | 15.6           | 4.7            | 0.1          | 2.5          | 0.1          |
| Miscellaneous                                      | 18.8           | 48.8           | 38.1           | 10.6           | 0.1          | 4.7          | —            |
| <i>Total non-residential building</i>              | <i>111.1</i>   | <i>430.1</i>   | <i>224.4</i>   | <i>108.5</i>   | <i>2.3</i>   | <i>33.7</i>  | <i>8.9</i>   |
| <b>Total</b>                                       | <b>183.1</b>   | <b>510.8</b>   | <b>259.4</b>   | <b>143.2</b>   | <b>7.3</b>   | <b>37.8</b>  | <b>13.9</b>  |
| <b>TOTAL</b>                                       |                |                |                |                |              |              |              |
| New houses   | 1,148.3        | 1,349.1        | 549.5          | 662.4          | 129.0        | 136.4        | 142.2        |
| New other residential buildings                    | 272.3          | 175.7          | 62.0           | 64.3           | 10.3         | 14.2         | 12.4         |
| <i>Total new residential building</i>              | <i>1,420.7</i> | <i>1,524.7</i> | <i>611.5</i>   | <i>726.8</i>   | <i>139.3</i> | <i>150.6</i> | <i>154.6</i> |
| Alterations and additions to residential buildings | 162.9          | 172.7          | 70.6           | 82.1           | 15.8         | 18.4         | 16.2         |
| Hotels, etc.                                       | 113.3          | 75.4           | 18.1           | 22.6           | 2.3          | 4.2          | 2.4          |
| Shops  | 119.0          | 164.2          | 77.0           | 68.8           | 11.5         | 12.5         | 11.7         |
| Factories  | 80.4           | 102.6          | 42.0           | 36.4           | 6.1          | 5.2          | 6.8          |
| Offices  | 106.5          | 156.4          | 102.6          | 72.0           | 5.2          | 14.2         | 10.7         |
| Other business premises                            | 112.0          | 160.4          | 85.3           | 65.4           | 13.7         | 14.0         | 14.6         |
| Educational  | 80.4           | 152.0          | 106.6          | 61.2           | 4.5          | 25.2         | 11.2         |
| Religious  | 4.4            | 5.4            | 1.7            | 5.8            | 0.5          | 0.2          | 3.5          |
| Health   | 32.8           | 214.5          | 75.9           | 39.3           | 8.4          | 7.9          | 7.0          |
| Entertainment and recreational                     | 48.0           | 92.2           | 35.7           | 27.0           | 2.2          | 9.6          | 9.6          |
| Miscellaneous                                      | 106.2          | 81.3           | 59.1           | 22.2           | 2.1          | 5.2          | 1.9          |
| <i>Total non-residential building</i>              | <i>803.1</i>   | <i>1,204.4</i> | <i>603.8</i>   | <i>420.8</i>   | <i>56.5</i>  | <i>98.3</i>  | <i>79.4</i>  |
| <b>Total</b>                                       | <b>2,386.6</b> | <b>2,901.8</b> | <b>1,285.9</b> | <b>1,229.7</b> | <b>211.7</b> | <b>267.2</b> | <b>250.2</b> |

**TABLE 6. NON-RESIDENTIAL BUILDING JOBS APPROVED, BY CLASS OF BUILDING AND VALUE SIZE GROUPS**

| Period                                | \$50,000 to less than \$200,000 |             | \$200,000 to less than \$500,000 |             | \$500,000 to less than \$1m |             | \$1m to less than \$5m |             | \$5m and over |             | Total |             |
|---------------------------------------|---------------------------------|-------------|----------------------------------|-------------|-----------------------------|-------------|------------------------|-------------|---------------|-------------|-------|-------------|
|                                       | No.                             | Value (\$m) | No.                              | Value (\$m) | No.                         | Value (\$m) | No.                    | Value (\$m) | No.           | Value (\$m) | No.   | Value (\$m) |
| <b>HOTELS, ETC.</b>                   |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 6                               | 0.7         | —                                | —           | —                           | —           | 1                      | 1.7         | —             | —           | 7     | 2.3         |
| October                               | 4                               | 0.6         | —                                | —           | —                           | —           | 1                      | 3.6         | —             | —           | 5     | 4.2         |
| November                              | —                               | —           | 2                                | 0.4         | 3                           | 2.0         | —                      | —           | —             | —           | 5     | 2.4         |
| <b>SHOPS</b>                          |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 27                              | 2.8         | 7                                | 2.1         | 3                           | 1.7         | 2                      | 4.9         | —             | —           | 39    | 11.5        |
| October                               | 28                              | 2.3         | 9                                | 2.9         | 4                           | 3.3         | 3                      | 4.2         | —             | —           | 44    | 12.5        |
| November                              | 22                              | 2.4         | 7                                | 1.8         | 6                           | 3.7         | 2                      | 3.8         | —             | —           | 37    | 11.7        |
| <b>FACTORIES</b>                      |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 16                              | 1.7         | 11                               | 3.0         | 2                           | 1.4         | —                      | —           | —             | —           | 29    | 6.1         |
| October                               | 10                              | 1.0         | 6                                | 2.1         | 1                           | 0.6         | 1                      | 1.5         | —             | —           | 18    | 5.2         |
| November                              | 18                              | 2.2         | 6                                | 1.5         | 2                           | 1.2         | 1                      | 1.9         | —             | —           | 27    | 6.8         |
| <b>OFFICES</b>                        |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 9                               | 0.9         | 4                                | 1.4         | 2                           | 1.4         | 1                      | 1.6         | —             | —           | 16    | 5.2         |
| October                               | 20                              | 2.0         | 10                               | 3.6         | 4                           | 2.9         | 3                      | 5.8         | —             | —           | 37    | 14.2        |
| November                              | 16                              | 1.6         | 4                                | 1.0         | 3                           | 2.0         | 1                      | 1.0         | 1             | 5.1         | 25    | 10.7        |
| <b>OTHER BUSINESS PREMISES</b>        |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 13                              | 1.1         | 13                               | 4.4         | 5                           | 3.2         | 3                      | 5.0         | —             | —           | 34    | 13.7        |
| October                               | 17                              | 2.1         | 16                               | 4.3         | 5                           | 3.1         | 3                      | 4.6         | —             | —           | 41    | 14.0        |
| November                              | 17                              | 1.6         | 13                               | 3.6         | 8                           | 5.5         | 3                      | 3.9         | —             | —           | 41    | 14.6        |
| <b>EDUCATIONAL</b>                    |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 2                               | 0.2         | 3                                | 0.8         | 3                           | 2.1         | 1                      | 1.4         | —             | —           | 9     | 4.5         |
| October                               | 6                               | 0.8         | 7                                | 2.2         | 1                           | 0.7         | 11                     | 15.3        | 1             | 6.1         | 26    | 25.2        |
| November                              | 7                               | 1.0         | 3                                | 1.1         | —                           | —           | 3                      | 9.1         | —             | —           | 13    | 11.2        |
| <b>RELIGIOUS</b>                      |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 2                               | 0.2         | 1                                | 0.3         | —                           | —           | —                      | —           | —             | —           | 3     | 0.5         |
| October                               | 2                               | 0.2         | —                                | —           | —                           | —           | —                      | —           | —             | —           | 2     | 0.2         |
| November                              | 1                               | 0.1         | —                                | —           | —                           | —           | 2                      | 3.4         | —             | —           | 3     | 3.5         |
| <b>HEALTH</b>                         |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | —                               | —           | 1                                | 0.2         | —                           | —           | 3                      | 8.2         | —             | —           | 4     | 8.4         |
| October                               | 4                               | 0.3         | 3                                | 0.8         | 1                           | 0.5         | 3                      | 6.2         | —             | —           | 11    | 7.9         |
| November                              | 4                               | 0.4         | 1                                | 0.3         | 2                           | 1.4         | —                      | —           | 1             | 5.0         | 8     | 7.0         |
| <b>ENTERTAINMENT AND RECREATIONAL</b> |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 1                               | 0.1         | 2                                | 0.6         | 1                           | 0.6         | 1                      | 1.0         | —             | —           | 5     | 2.2         |
| October                               | 5                               | 0.5         | 3                                | 0.9         | 1                           | 0.6         | 3                      | 7.7         | —             | —           | 12    | 9.6         |
| November                              | 1                               | 0.1         | 1                                | 0.5         | 1                           | 0.6         | —                      | —           | 1             | 8.5         | 4     | 9.6         |
| <b>MISCELLANEOUS</b>                  |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 4                               | 0.5         | —                                | —           | —                           | —           | 1                      | 1.6         | —             | —           | 5     | 2.1         |
| October                               | 6                               | 0.4         | —                                | —           | —                           | —           | 4                      | 4.7         | —             | —           | 10    | 5.2         |
| November                              | 4                               | 0.4         | 4                                | 1.5         | —                           | —           | —                      | —           | —             | —           | 8     | 1.9         |
| <b>TOTAL NON-RESIDENTIAL BUILDING</b> |                                 |             |                                  |             |                             |             |                        |             |               |             |       |             |
| 1997 September                        | 80                              | 8.1         | 42                               | 12.8        | 16                          | 10.3        | 13                     | 25.3        | —             | —           | 151   | 56.5        |
| October                               | 102                             | 10.1        | 54                               | 16.8        | 17                          | 11.7        | 32                     | 53.6        | 1             | 6.1         | 206   | 98.3        |
| November                              | 90                              | 9.8         | 41                               | 11.6        | 25                          | 16.3        | 12                     | 23.1        | 3             | 18.6        | 171   | 79.4        |

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), NOVEMBER 1997

| Statistical local area,<br>statistical subdivision and<br>statistical division | New residential building (b)  |                              |                            |                               |                              |                            | Alterations<br>and<br>additions<br>to<br>residential<br>buildings<br>(\$'000) | Non-residential<br>building   |                   | Total<br>building<br>(\$'000) |
|--|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|---|-------------------------------|-------------------|-------------------------------|
|  | Houses                        |                              |                            | Other residential buildings   |                              |                            |   | Private<br>sector<br>(\$'000) | Total<br>(\$'000) |                               |
|  | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) |   |                               |                   |                               |
| <b>PERTH STATISTICAL DIVISION</b>  |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Cambridge (T)  | 7                             | —                            | 1,516                      | —                             | —                            | —                          | 994   | 506                           | 506               | 3,016                         |
| Claremont (T)  | —                             | —                            | —                          | —                             | —                            | —                          | 305   | —                             | —                 | 305                           |
| Cottesloe (T)  | 4                             | —                            | 1,206                      | 13                            | —                            | 1,800                      | 95  | —                             | —                 | 3,101                         |
| Mosman Park (T)  | 2                             | —                            | 1,330                      | —                             | —                            | —                          | 511   | 525                           | 525               | 2,366                         |
| Nedlands (C)   | 5                             | —                            | 959                        | —                             | —                            | —                          | 837   | 5,050                         | 5,050             | 6,846                         |
| Peppermint Grove (S)   | —                             | —                            | —                          | —                             | —                            | —                          | 59  | —                             | —                 | 59                            |
| Perth (C) — Inner  | —                             | —                            | —                          | —                             | —                            | —                          | —   | 6,355                         | 6,355             | 6,355                         |
| Perth (C) — Remainder  | 4                             | —                            | 1,045                      | 6                             | —                            | 650                        | —   | 1,048                         | 1,048             | 2,743                         |
| Subiaco (C)  | 10                            | —                            | 1,132                      | 3                             | —                            | 240                        | 586   | 350                           | 350               | 2,308                         |
| Vincent (T)  | 10                            | —                            | 1,674                      | —                             | —                            | —                          | 513   | 387                           | 387               | 2,574                         |
| Central Metropolitan (SSD)   | 42                            | —                            | 8,862                      | 22                            | —                            | 2,690                      | 3,901   | 14,220                        | 14,220            | 29,673                        |
| Bassendean (T)   | 8                             | 1                            | 590                        | —                             | —                            | —                          | 75  | —                             | —                 | 665                           |
| Bayswater (C)  | 22                            | —                            | 2,173                      | —                             | —                            | —                          | 354   | 1,460                         | 1,460             | 3,987                         |
| Kalamunda (S)  | 7                             | —                            | 1,173                      | 9                             | —                            | 410                        | 509   | —                             | 221               | 2,313                         |
| Mundaring (S)  | 17                            | —                            | 1,829                      | —                             | —                            | —                          | 176   | 295                           | 295               | 2,300                         |
| Swan (S)   | 126                           | 1                            | 9,511                      | —                             | —                            | —                          | 518   | 2,956                         | 2,956             | 12,985                        |
| East Metropolitan (SSD)  | 180                           | 2                            | 15,275                     | 9                             | —                            | 410                        | 1,632   | 4,711                         | 4,932             | 22,249                        |
| Stirling (C) — Central   | 29                            | 1                            | 3,970                      | 11                            | —                            | 730                        | 253   | 1,821                         | 1,821             | 6,774                         |
| Stirling (C) — Coastal   | 31                            | —                            | 3,415                      | 4                             | —                            | 420                        | 320   | 1,702                         | 1,702             | 5,857                         |
| Stirling (C) — South-Eastern   | 5                             | —                            | 542                        | 4                             | —                            | 208                        | 983   | 560                           | 560               | 2,293                         |
| Wanneroo (C) — Central Coastal   | 53                            | —                            | 5,515                      | 9                             | —                            | 862                        | 322   | 8,610                         | 8,610             | 15,310                        |
| Wanneroo (C) — North-East  | 47                            | 2                            | 4,193                      | —                             | —                            | —                          | 237   | —                             | —                 | 4,430                         |
| Wanneroo (C) — North-West  | 39                            | 4                            | 3,459                      | —                             | —                            | —                          | 60  | 700                           | 700               | 4,219                         |
| Wanneroo (C) — South-East  | 46                            | —                            | 3,759                      | —                             | —                            | —                          | 168   | 1,375                         | 1,375             | 5,303                         |
| Wanneroo (C) — South-West  | 47                            | —                            | 6,221                      | 5                             | —                            | 238                        | 1,006   | 3,700                         | 3,700             | 11,165                        |
| North Metropolitan (SSD)   | 297                           | 7                            | 31,075                     | 33                            | —                            | 2,458                      | 3,350   | 18,468                        | 18,468            | 55,351                        |
| Cockburn (C)   | 61                            | —                            | 5,009                      | 2                             | 2                            | 309                        | 129   | 1,995                         | 1,995             | 7,442                         |
| East Fremantle (T)   | 2                             | —                            | 212                        | —                             | —                            | —                          | 208   | 148                           | 148               | 568                           |
| Fremantle (C) — Inner  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Fremantle (C) — Remainder  | 5                             | —                            | 842                        | —                             | —                            | —                          | 236   | 750                           | 750               | 1,828                         |
| Kwinana (T)  | 10                            | —                            | 848                        | —                             | —                            | —                          | 38  | 72                            | 72                | 958                           |
| Melville (C)   | 53                            | —                            | 8,322                      | —                             | —                            | —                          | 1,149   | 680                           | 680               | 10,151                        |
| Rockingham (C)   | 66                            | —                            | 5,698                      | 7                             | —                            | 610                        | 261   | 825                           | 825               | 7,395                         |
| South West Metropolitan (SSD)  | 197                           | —                            | 20,931                     | 9                             | 2                            | 919                        | 2,021   | 4,470                         | 4,470             | 28,342                        |
| Armadale (C)   | 12                            | —                            | 1,070                      | —                             | —                            | —                          | 224   | 550                           | 550               | 1,845                         |
| Belmont (C)  | 22                            | 4                            | 2,045                      | —                             | 5                            | 237                        | 153   | 1,797                         | 5,247             | 7,682                         |
| Canning (C)  | 49                            | 22                           | 6,465                      | 12                            | 14                           | 1,455                      | 577   | 10,320                        | 11,390            | 19,887                        |
| Gosnells (C)   | 66                            | —                            | 5,722                      | 5                             | —                            | 348                        | 139   | 195                           | 195               | 6,404                         |
| Serpentine-Jarrahdale (S)  | 10                            | —                            | 977                        | —                             | —                            | —                          | 43  | 90                            | 90                | 1,110                         |
| South Perth (C)  | 32                            | —                            | 3,974                      | —                             | —                            | —                          | 455   | 322                           | 322               | 4,750                         |
| Victoria Park (T)  | 6                             | —                            | 503                        | 6                             | —                            | 470                        | 163   | 1,743                         | 1,743             | 2,880                         |
| South East Metropolitan (SSD)  | 197                           | 26                           | 20,757                     | 23                            | 19                           | 2,510                      | 1,754   | 15,017                        | 19,537            | 44,558                        |
| <b>Total</b>   | <b>913</b>                    | <b>35</b>                    | <b>96,900</b>              | <b>96</b>                     | <b>21</b>                    | <b>8,987</b>               | <b>12,658</b>   | <b>56,886</b>                 | <b>61,627</b>     | <b>180,173</b>                |

For footnote, see end of table.



TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), NOVEMBER 1997—continued

| Statistical local area,<br>statistical subdivision and<br>statistical division | New residential building (b)  |                              |                            |                               |                              |                            | Alterations<br>and<br>additions<br>to<br>residential<br>buildings<br>(\$'000) | Non-residential<br>building   |                   | Total<br>building<br>(\$'000) |
|--|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|---|-------------------------------|-------------------|-------------------------------|
|  | Houses                        |                              |                            | Other residential buildings   |                              |                            |   | Private<br>sector<br>(\$'000) | Total<br>(\$'000) |                               |
|  | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) |   |                               |                   |                               |
| <b>SOUTH WEST STATISTICAL DIVISION</b>   |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Boddington (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Mandurah (C)   | 42                            | —                            | 6,049                      | 18                            | —                            | 1,527                      | 320   | 583                           | 583               | 8,478                         |
| Murray (S)   | 8                             | —                            | 709                        | —                             | —                            | —                          | 11  | —                             | —                 | 720                           |
| Waroona (S)  | 1                             | —                            | 60                         | —                             | —                            | —                          | 49  | —                             | —                 | 110                           |
| Dale (SSD)   | 51                            | —                            | 6,818                      | 18                            | —                            | 1,527                      | 381   | 583                           | 583               | 9,308                         |
| Bunbury (C)  | 28                            | —                            | 2,702                      | —                             | —                            | —                          | 66  | 771                           | 847               | 3,615                         |
| Capel (S)  | 6                             | —                            | 1,081                      | —                             | —                            | —                          | 41  | 53                            | 53                | 1,176                         |
| Collie (S)   | 2                             | —                            | 286                        | —                             | —                            | —                          | 12  | 140                           | 140               | 438                           |
| Dardanup (S)   | 14                            | —                            | 1,200                      | —                             | —                            | —                          | 58  | —                             | —                 | 1,258                         |
| Donnybrook-Balingup (S)  | 1                             | —                            | 84                         | —                             | —                            | —                          | —   | —                             | —                 | 84                            |
| Harvey (S)   | 15                            | —                            | 1,581                      | —                             | —                            | —                          | 224   | 677                           | 802               | 2,607                         |
| Preston (SSD)  | 66                            | —                            | 6,936                      | —                             | —                            | —                          | 400   | 1,641                         | 1,842             | 9,178                         |
| Augusta-Margaret River (S)   | 16                            | —                            | 1,622                      | —                             | —                            | —                          | 114   | 140                           | 140               | 1,877                         |
| Busselton (S)  | 43                            | —                            | 4,735                      | 8                             | —                            | 489                        | 346   | 625                           | 4,593             | 10,163                        |
| Vasse (SSD)  | 59                            | —                            | 6,357                      | 8                             | —                            | 489                        | 461   | 765                           | 4,733             | 12,039                        |
| Boyup Brook (S)  | 2                             | —                            | 150                        | —                             | —                            | —                          | 18  | —                             | —                 | 167                           |
| Bridgetown-Greenbushes (S)   | 2                             | —                            | 191                        | —                             | —                            | —                          | —   | —                             | —                 | 191                           |
| Manjimup (S)   | 13                            | —                            | 939                        | —                             | —                            | —                          | —   | 384                           | 384               | 1,323                         |
| Nannup (S)   | 1                             | —                            | 115                        | —                             | —                            | —                          | —   | —                             | —                 | 115                           |
| Blackwood (SSD)  | 18                            | —                            | 1,395                      | —                             | —                            | —                          | 18  | 384                           | 384               | 1,797                         |
| <b>Total</b>   | <b>194</b>                    | <b>—</b>                     | <b>21,506</b>              | <b>26</b>                     | <b>—</b>                     | <b>2,015</b>               | <b>1,259</b>  | <b>3,373</b>                  | <b>7,541</b>      | <b>32,322</b>                 |
| <b>LOWER GREAT SOUTHERN STATISTICAL DIVISION</b>                               |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Broomehill (S)   | 1                             | —                            | 94                         | —                             | —                            | —                          | —   | —                             | —                 | 94                            |
| Gnowangerup (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Jerramungup (S)  | 1                             | —                            | 105                        | —                             | —                            | —                          | —   | —                             | —                 | 105                           |
| Katanning (S)  | 2                             | —                            | 260                        | —                             | —                            | —                          | 40  | —                             | —                 | 300                           |
| Kent (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Kojonup (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Tambellup (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Woodanilling (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Pallinup (SSD)   | 4                             | —                            | 459                        | —                             | —                            | —                          | 40  | —                             | —                 | 499                           |
| Albany (T)   | 14                            | —                            | 1,457                      | —                             | —                            | —                          | 288   | 630                           | 630               | 2,375                         |
| Albany (S)   | 13                            | —                            | 1,389                      | 2                             | —                            | 165                        | 39  | —                             | —                 | 1,593                         |
| Cranbrook (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Denmark (S)  | 11                            | —                            | 1,046                      | —                             | —                            | —                          | 131   | —                             | —                 | 1,177                         |
| Plantagenet (S)  | 1                             | —                            | 93                         | —                             | —                            | —                          | —   | —                             | —                 | 93                            |
| King (SSD)   | 39                            | —                            | 3,985                      | 2                             | —                            | 165                        | 458   | 630                           | 630               | 5,237                         |
| <b>Total</b>   | <b>43</b>                     | <b>—</b>                     | <b>4,443</b>               | <b>2</b>                      | <b>—</b>                     | <b>165</b>                 | <b>498</b>  | <b>630</b>                    | <b>630</b>        | <b>5,736</b>                  |

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), NOVEMBER 1997—continued

| Statistical local area,<br>statistical subdivision and<br>statistical division | New residential building (b)  |                              |                            |                               |                              |                            | Alterations<br>and<br>additions<br>to<br>residential<br>buildings<br>(\$'000) | Non-residential<br>building   |                   |                               |
|--|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|---|-------------------------------|-------------------|-------------------------------|
|  | Houses                        |                              |                            | Other residential buildings   |                              |                            |   | Private<br>sector<br>(\$'000) | Total<br>(\$'000) | Total<br>building<br>(\$'000) |
|  | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) |   |                               |                   |                               |
| <b>UPPER GREAT SOUTHERN STATISTICAL DIVISION</b>                               |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Brookton (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Cuballing (S)  | 1                             | —                            | 16                         | —                             | —                            | —                          | 20  | —                             | —                 | 36                            |
| Dumbleyung (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Narrogin (T)   | 2                             | —                            | 200                        | —                             | —                            | —                          | —   | —                             | —                 | 200                           |
| Narrogin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Pingelly (S)   | 3                             | —                            | 156                        | —                             | —                            | —                          | 20  | —                             | —                 | 176                           |
| Wagin (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Wandering (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| West Arthur (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Wickepin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Williams (S)   | 1                             | —                            | 120                        | —                             | —                            | —                          | —   | —                             | —                 | 120                           |
| Hotham (SSD)   | 7                             | —                            | 492                        | —                             | —                            | —                          | 40  | —                             | —                 | 532                           |
| Corrigin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Kondinin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Kulin (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Lake Grace (S)   | —                             | —                            | —                          | —                             | —                            | —                          | 48  | 628                           | 628               | 676                           |
| Lakes (SSD)  | —                             | —                            | —                          | —                             | —                            | —                          | 48  | 628                           | 628               | 676                           |
| <b>Total</b>   | <b>7</b>                      | <b>—</b>                     | <b>492</b>                 | <b>—</b>                      | <b>—</b>                     | <b>—</b>                   | <b>88</b>   | <b>628</b>                    | <b>628</b>        | <b>1,209</b>                  |
| <b>MIDLANDS STATISTICAL DIVISION</b>   |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Chittering (S)   | 3                             | —                            | 383                        | —                             | —                            | —                          | 12  | —                             | —                 | 394                           |
| Dandaragan (S)   | —                             | —                            | —                          | —                             | —                            | —                          | 12  | —                             | —                 | 12                            |
| Gingin (S)   | 10                            | —                            | 835                        | —                             | —                            | —                          | 27  | 250                           | 250               | 1,112                         |
| Moora (S)  | 3                             | —                            | 281                        | —                             | —                            | —                          | —   | —                             | —                 | 281                           |
| Victoria Plains (S)  | 2                             | —                            | 483                        | —                             | —                            | —                          | —   | 58                            | 58                | 541                           |
| Moore (SSD)  | 18                            | —                            | 1,981                      | —                             | —                            | —                          | 51  | 308                           | 308               | 2,340                         |
| Beverley (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Cunderdin (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Dalwallinu (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Dowerin (S)  | 1                             | —                            | 100                        | —                             | —                            | —                          | 28  | —                             | —                 | 128                           |
| Goomalling (S)   | 3                             | —                            | 289                        | —                             | —                            | —                          | 15  | —                             | —                 | 304                           |
| Koorda (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Northam (T)  | 3                             | —                            | 290                        | —                             | —                            | —                          | 48  | 589                           | 589               | 927                           |
| Northam (S)  | 4                             | 2                            | 1,168                      | —                             | —                            | —                          | —   | —                             | —                 | 1,168                         |
| Quairading (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Tammin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Toodyay (S)  | 5                             | —                            | 502                        | —                             | —                            | —                          | —   | —                             | —                 | 502                           |
| Wongan-Ballidu (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Wyalkatchem (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| York (S)   | 6                             | —                            | 404                        | —                             | —                            | —                          | —   | —                             | —                 | 404                           |
| Avon (SSD)   | 22                            | 2                            | 2,752                      | —                             | —                            | —                          | 91  | 589                           | 589               | 3,432                         |
| Bruce Rock (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Kellerberrin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Merredin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | 12  | —                             | —                 | 12                            |
| Mount Marshall (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Mukinbudin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Naremben (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Nungarin (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Trayning (S)   | —                             | 1                            | 54                         | —                             | —                            | —                          | —   | —                             | —                 | 54                            |
| Westonia (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Yilgarn (S)  | —                             | —                            | —                          | —                             | —                            | —                          | 13  | —                             | —                 | 13                            |
| Campion (SSD)  | —                             | 1                            | 54                         | —                             | —                            | —                          | 25  | —                             | —                 | 79                            |
| <b>Total</b>   | <b>40</b>                     | <b>3</b>                     | <b>4,787</b>               | <b>—</b>                      | <b>—</b>                     | <b>—</b>                   | <b>167</b>  | <b>897</b>                    | <b>897</b>        | <b>5,851</b>                  |

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), NOVEMBER 1997—continued

| Statistical local area,<br>statistical subdivision and<br>statistical division | New residential building (b)  |                              |                            |                               |                              |                            | Alterations<br>and<br>additions<br>to<br>residential<br>buildings<br>(\$'000) | Non-residential<br>building   |                   |                               |
|--|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|---|-------------------------------|-------------------|-------------------------------|
|  | Houses                        |                              |                            | Other residential buildings   |                              |                            |   | Private<br>sector<br>(\$'000) | Total<br>(\$'000) | Total<br>building<br>(\$'000) |
|  | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) |   |                               |                   |                               |
| <b>SOUTH EASTERN STATISTICAL DIVISION</b>                                      |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Coolgardie (S)   | —                             | —                            | —                          | —                             | —                            | —                          | 43  | —                             | —                 | 43                            |
| Kalgoorlie/Boulder (C)   | 26                            | —                            | 2,614                      | 4                             | —                            | 250                        | 306   | 2,061                         | 2,061             | 5,231                         |
| Laverton (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Leonora (S)  | —                             | 3                            | 569                        | —                             | —                            | —                          | —   | —                             | —                 | 569                           |
| Menzies (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Ngaanyatjarraku (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Lefroy (SSD)   | 26                            | 3                            | 3,183                      | 4                             | —                            | 250                        | 348   | 2,061                         | 2,061             | 5,843                         |
| Dundas (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Esperance (S)  | 11                            | —                            | 1,200                      | —                             | —                            | —                          | 636   | —                             | —                 | 1,836                         |
| Ravensthorpe (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Johnston (SSD)   | 11                            | —                            | 1,200                      | —                             | —                            | —                          | 636   | —                             | —                 | 1,836                         |
| <b>Total</b>   | <b>37</b>                     | <b>3</b>                     | <b>4,384</b>               | <b>4</b>                      | <b>—</b>                     | <b>250</b>                 | <b>984</b>  | <b>2,061</b>                  | <b>2,061</b>      | <b>7,679</b>                  |
| <b>CENTRAL STATISTICAL DIVISION</b>  |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Camaron (S)  | 2                             | —                            | 217                        | —                             | —                            | —                          | 42  | 330                           | 330               | 589                           |
| Exmouth (S)  | 2                             | —                            | 180                        | —                             | —                            | —                          | 44  | —                             | —                 | 224                           |
| Shark Bay (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | 375                           | 375               | 375                           |
| Upper Gascoyne (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Gascoyne (SSD)   | 4                             | —                            | 397                        | —                             | —                            | —                          | 86  | 705                           | 705               | 1,188                         |
| Cue (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Meekatharra (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Mount Magnet (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Murchison (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Sandstone (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Wiluna (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Yalgoo (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Carnegie (SSD)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Camamah (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Chapman Valley (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Coorow (S)   | 2                             | —                            | 229                        | —                             | —                            | —                          | —   | —                             | —                 | 229                           |
| Geraldton (C)  | 3                             | —                            | 319                        | —                             | —                            | —                          | 68  | 242                           | 242               | 629                           |
| Greenough (S)  | 20                            | —                            | 2,262                      | —                             | —                            | —                          | 57  | 1,698                         | 1,698             | 4,017                         |
| Irwin (S)  | 3                             | —                            | 160                        | —                             | —                            | —                          | —   | —                             | —                 | 160                           |
| Mingenew (S)   | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Morawa (S)   | 2                             | —                            | 165                        | —                             | —                            | —                          | 28  | 63                            | 63                | 256                           |
| Mullewa (S)  | 1                             | —                            | 114                        | —                             | —                            | —                          | —   | —                             | —                 | 114                           |
| Northampton (S)  | 2                             | —                            | 123                        | —                             | —                            | —                          | 37  | —                             | —                 | 160                           |
| Perenjori (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Three Springs (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Greenough River (SSD)  | 33                            | —                            | 3,372                      | —                             | —                            | —                          | 190   | 2,003                         | 2,003             | 5,565                         |
| <b>Total</b>   | <b>37</b>                     | <b>—</b>                     | <b>3,770</b>               | <b>—</b>                      | <b>—</b>                     | <b>—</b>                   | <b>276</b>  | <b>2,708</b>                  | <b>2,708</b>      | <b>6,753</b>                  |

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), NOVEMBER 1997—continued

| Statistical local area,<br>statistical subdivision and<br>statistical division | New residential building (b)  |                              |                            |                               |                              |                            | Alterations<br>and<br>additions<br>to<br>residential<br>buildings<br>(\$'000) | Non-residential<br>building   |                   |                               |
|--|-------------------------------|------------------------------|----------------------------|-------------------------------|------------------------------|----------------------------|---|-------------------------------|-------------------|-------------------------------|
|  | Houses                        |                              |                            | Other residential buildings   |                              |                            |   | Private<br>sector<br>(\$'000) | Total<br>(\$'000) | Total<br>building<br>(\$'000) |
|  | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) | Private<br>sector<br>(number) | Public<br>sector<br>(number) | Total<br>value<br>(\$'000) |   |                               |                   |                               |
| <b>PILBARA STATISTICAL DIVISION</b>  |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| East Pilbara (S)   | 3                             | —                            | 205                        | —                             | —                            | —                          | 13  | —                             | —                 | 218                           |
| Port Hedland (T)   | 11                            | —                            | 1,749                      | —                             | —                            | —                          | 31  | 2,134                         | 2,134             | 3,914                         |
| De Grey (SSD)  | 14                            | —                            | 1,954                      | —                             | —                            | —                          | 44  | 2,134                         | 2,134             | 4,132                         |
| Ashburton (S)  | 1                             | —                            | 110                        | —                             | —                            | —                          | 20  | —                             | —                 | 130                           |
| Roeboorne (S)  | 4                             | —                            | 766                        | —                             | —                            | —                          | 210   | 240                           | 240               | 1,216                         |
| Fortescue (SSD)  | 5                             | —                            | 876                        | —                             | —                            | —                          | 230   | 240                           | 240               | 1,346                         |
| <b>Total</b>   | <b>19</b>                     | <b>—</b>                     | <b>2,830</b>               | <b>—</b>                      | <b>—</b>                     | <b>—</b>                   | <b>274</b>  | <b>2,374</b>                  | <b>2,374</b>      | <b>5,478</b>                  |
| <b>KIMBERLEY STATISTICAL DIVISION</b>  |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| Halls Creek (S)  | —                             | —                            | —                          | —                             | —                            | —                          | —   | —                             | —                 | —                             |
| Wyndham-East Kimberley (S)   | 7                             | 5                            | 1,826                      | 3                             | —                            | 593                        | —   | 50                            | 50                | 2,468                         |
| Ord (SSD)  | 7                             | 5                            | 1,826                      | 3                             | —                            | 593                        | —   | 50                            | 50                | 2,468                         |
| Broome (S)   | 9                             | —                            | 874                        | —                             | —                            | —                          | 15  | 729                           | 729               | 1,618                         |
| Derby-West Kimberley (S)   | 2                             | 1                            | 352                        | 32                            | —                            | 406                        | —   | 120                           | 120               | 877                           |
| Fitzroy (SSD)  | 11                            | 1                            | 1,226                      | 32                            | —                            | 406                        | 15  | 849                           | 849               | 2,495                         |
| <b>Total</b>   | <b>18</b>                     | <b>6</b>                     | <b>3,051</b>               | <b>35</b>                     | <b>—</b>                     | <b>999</b>                 | <b>15</b>   | <b>899</b>                    | <b>899</b>        | <b>4,963</b>                  |
| <b>WESTERN AUSTRALIA</b>   |                               |                              |                            |                               |                              |                            |   |                               |                   |                               |
| <b>Western Australia</b>   | <b>1,308</b>                  | <b>47</b>                    | <b>142,164</b>             | <b>163</b>                    | <b>21</b>                    | <b>12,416</b>              | <b>16,220</b>   | <b>70,455</b>                 | <b>79,364</b>     | <b>250,164</b>                |

(a) City councils are marked (C), Town councils (T), Shire councils (S), and Statistical Subdivisions (SSD). (b) Excludes Conversions, etc.

**TABLE 8. NUMBER OF NEW HOUSES (a) APPROVED BY MATERIAL OF OUTER WALLS, FLOOR AREA AND VALUE PER SQUARE METRE BY STATISTICAL DIVISION  
NOVEMBER 1997**

| Statistical division     | Material of outer walls |              |              |           |                      | Total        | Floor area (sq m) | Average floor area (sq m) | Average value per square metre (\$) |
|--------------------------|-------------------------|--------------|--------------|-----------|----------------------|--------------|-------------------|---------------------------|-------------------------------------|
|                          | Double brick(b)         | Brick veneer | Fibre cement | Timber    | Other and not stated |              |                   |                           |                                     |
| Perth                    | 874                     | 1            | 2            | 5         | 66                   | 948          | 200,555           | 231                       | 441                                 |
| South-West               | 172                     | 5            | 3            | 8         | 6                    | 194          | 42,304            | 232                       | 482                                 |
| Lower Great Southern     | 19                      | 8            | 2            | 8         | 6                    | 43           | 6,981             | 194                       | 526                                 |
| Upper Great Southern     | 1                       | —            | 2            | 2         | 2                    | 7            | —                 | —                         | —                                   |
| Midlands                 | 18                      | 7            | 7            | 3         | 8                    | 43           | 6,320             | 204                       | 579                                 |
| South-Eastern            | 6                       | 24           | 1            | —         | 9                    | 40           | 5,119             | 213                       | 495                                 |
| Central                  | 26                      | 2            | 3            | —         | 6                    | 37           | 5,532             | 205                       | 530                                 |
| Pilbara                  | —                       | 4            | —            | —         | 15                   | 19           | 962               | 192                       | 910                                 |
| Kimberley                | 1                       | —            | —            | —         | 23                   | 24           | 3,444             | 150                       | 820                                 |
| <b>Western Australia</b> | <b>1,117</b>            | <b>51</b>    | <b>20</b>    | <b>26</b> | <b>141</b>           | <b>1,355</b> | <b>271,217</b>    | <b>227</b>                | <b>462</b>                          |

(a) Excludes Conversions, etc. (b) Includes houses constructed with outer walls of stone and concrete.

**TABLE 9. NEW DWELLING UNITS (a) APPROVED, BY TYPE AND STATISTICAL DIVISION  
NOVEMBER 1997**

| Statistical division     | New houses     | New other residential building                            |                   |               |   |           |                   |            | Total new residential building |                |
|--------------------------|----------------|---|-------------------|---------------|---|-----------|-------------------|------------|--------------------------------|----------------|
|                          |                | Semi-detached, row or terrace houses, townhouses, etc. of |                   |               | Flats, units or apartments in a building of |           |                   |            |                                |                |
|                          |                | 1 storey  | 2 or more storeys | Total         | 1-2 storeys                                 | 3 storeys | 4 or more storeys | Total      |                                |                |
| NUMBER OF DWELLING UNITS |                |   |                   |               |   |           |                   |            |                                |                |
| Perth                    | 948            | 97  | 11                | 108           | 3   | —         | 6                 | 9          | 117                            | 1,065          |
| South West               | 194            | 24  | 2                 | 26            | —   | —         | —                 | —          | 26                             | 220            |
| Lower Great Southern     | 43             | 2   | —                 | 2             | —   | —         | —                 | —          | 2                              | 45             |
| Upper Great Southern     | 7              | —   | —                 | —             | —   | —         | —                 | —          | —                              | 7              |
| Midlands                 | 43             | —   | —                 | —             | —   | —         | —                 | —          | —                              | 43             |
| South Eastern            | 40             | 4   | —                 | 4             | —   | —         | —                 | —          | 4                              | 44             |
| Central                  | 37             | —   | —                 | —             | —   | —         | —                 | —          | —                              | 37             |
| Pilbara                  | 19             | —   | —                 | —             | —   | —         | —                 | —          | —                              | 19             |
| Kimberley                | 24             | 35  | —                 | 35            | —   | —         | —                 | —          | 35                             | 59             |
| <b>Western Australia</b> | <b>1,355</b>   | <b>162</b>  | <b>13</b>         | <b>175</b>    | <b>3</b>                                    | <b>—</b>  | <b>6</b>          | <b>9</b>   | <b>184</b>                     | <b>1,539</b>   |
| VALUE (\$'000)           |                |   |                   |               |   |           |                   |            |                                |                |
| Perth                    | 96,900         | 7,067   | 960               | 8,027         | 310   | —         | 650               | 960        | 8,987                          | 105,888        |
| South West               | 21,506         | 1,311   | 704               | 2,015         | —   | —         | —                 | —          | 2,015                          | 23,522         |
| Lower Great Southern     | 4,443          | 165   | —                 | 165           | —   | —         | —                 | —          | 165                            | 4,608          |
| Upper Great Southern     | 492            | —   | —                 | —             | —   | —         | —                 | —          | —                              | 492            |
| Midlands                 | 4,787          | —   | —                 | —             | —   | —         | —                 | —          | —                              | 4,787          |
| South Eastern            | 4,384          | 250   | —                 | 250           | —   | —         | —                 | —          | 250                            | 4,634          |
| Central                  | 3,770          | —   | —                 | —             | —   | —         | —                 | —          | —                              | 3,770          |
| Pilbara                  | 2,830          | —   | —                 | —             | —   | —         | —                 | —          | —                              | 2,830          |
| Kimberley                | 3,051          | 999   | —                 | 999           | —   | —         | —                 | —          | 999                            | 4,050          |
| <b>Western Australia</b> | <b>142,164</b> | <b>9,792</b>  | <b>1,664</b>      | <b>11,456</b> | <b>310</b>                                  | <b>—</b>  | <b>650</b>        | <b>960</b> | <b>12,416</b>                  | <b>154,580</b> |

(a) Excludes Conversions, etc.

## EXPLANATORY NOTES

### Introduction

This publication contains monthly details of building work approved.

### Factors affecting comparability

2. For purposes of comparison, it should be noted that statistics of building approvals are affected from month to month by large projects (e.g. blocks of flats, multi storey office buildings) approved in particular months and also by the administrative arrangements of government authorities.

### Scope and Coverage

3. Statistics of building work approved are compiled from:

- (a) permits issued by local government authorities in areas subject to building control by those authorities;
- (b) approvals issued by the Rural Housing Authority in areas not subject to building control by local government authorities;
- (c) contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities;
- (d) major building activity which takes place in areas not subject to the normal administrative approval processes (e.g. buildings on remote mine sites).

4. The statistics relate to building activity which includes construction of new buildings, and alterations and additions to existing buildings. Construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks etc.) is excluded from this publication, but can be found in the ABS publication *Engineering Construction Survey* (8762.0).

5. In relation to work carried out on existing buildings, the statistics include details of non-structural renovation and refurbishment work and the installation of integral building fixtures for which building approval was obtained.

6. From July 1990, the statistics cover:

- (a) all approved new residential building jobs valued at \$10,000 or more (previously \$5,000 or more);
- (b) approved alterations and additions to residential buildings valued at \$10,000 or more;
- (c) all approved non-residential building jobs valued at \$50,000 or more (previously \$30,000 or more).

These changes in coverage do not have a statistically significant effect on broad building approvals aggregate data. However, care should be taken in interpreting data for specific classes of non-residential building.

### Definitions

7. A *building* is defined as a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's

design, to satisfy its intended use, is the provision for regular access by persons.

8. A *dwelling unit* is defined as a self-contained suite of rooms, including cooking and bathing facilities and intended for *long term* residential use. Units, whether self-contained or not, within buildings offering institutional care (such as hospitals) or temporary accommodation (such as motels, hostels and holiday apartments) are not defined as dwelling units. The value of units of this type is included in the appropriate category of *non-residential buildings* approved.

9. A *residential building* is defined as a building predominantly consisting of one or more dwelling units. Residential buildings can be either *houses* or *other residential buildings*:

- (a) A *house* is defined as a detached building predominantly used for long term residential purposes and consisting of only one dwelling unit. Thus, detached 'granny flats' and detached dwelling units (such as caretaker's residences) associated with non-residential buildings are defined as houses for the purpose of these statistics;
- (b) An *other residential building* is defined as a building which is predominantly used for long term residential purposes and which contains (or has attached to it) more than one dwelling unit (e.g. includes townhouses, duplexes, apartment buildings etc).

10. From the January 1995 issue of this publication, the number of dwelling units approved as part of alterations and additions to, or conversions of, existing residential or non-residential buildings and as part of the construction of non-residential building is shown separately in Table 1 under the heading of 'Conversions, etc.', and is included in the total number of dwelling units shown in these tables. Previously, such dwellings were only included as a footnote.

11. In addition, from the January 1995 issue, the seasonally adjusted and trend estimates for the number of dwelling units approved, shown in Table 3, include these conversions etc. Previously, only dwelling units approved as part of the construction of new residential buildings were included in these estimates.

12. The value of new residential building approved continues to exclude the value of dwelling units approved as part of alterations and additions to, or conversions of, existing residential or non-residential buildings and as part of the construction of non-residential building. Approved building work represented by these conversions, etc. jobs continues to be included in the value of alterations and additions to residential buildings or in the value of non-residential building as appropriate.

13. *Value* data are derived by aggregation of the estimated value (when completed) of building work (excluding value of land and landscaping but including site preparation) as reported on approval documents. For 'houses', these estimates are usually a reliable indicator of the completed value of the building. However, for 'other residential buildings' and 'non-residential buildings' these

estimates can differ significantly from the completed value of the building.

#### **Building Classification**

14. *Ownership* of a building is classified as either Public Sector or Private Sector according to the sector of the intended owner of the completed building as evident at the time of approval. Residential buildings being constructed by private sector builders under government housing authority schemes whereby the authority has contracted, or intends to contract, to purchase the buildings on or before completion, are classified as public sector.

15. *Functional classification of buildings*: a building is classified according to its intended major function. Hence a building which is ancillary to other buildings or forms part of a group of related buildings is classified to the function of the building and not to the function of the group as a whole. An example of this can be seen in the treatment of building work approved for a factory complex. In this case a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while factory buildings would be classified to Factories. An exception to this rule is the treatment of group accommodation buildings e.g. a student accommodation building on a university campus would be classified to Educational.

#### **Seasonal Adjustment**

16. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series may be more clearly recognised.

17. Table 3 shows seasonally adjusted estimates for both private and total dwellings. For the four series shown, account has been taken of normal seasonal factors and 'trading day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the effect of movement in the date of Easter which may, in successive years, affect figures for different months.

18. Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular month, such as the effect of the approval of large projects or as a consequence of the administrative arrangements of approving authorities. These irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

19. Most of the component series have been seasonally adjusted independently. Therefore, the adjusted components may not add to the adjusted totals. Further, the difference between independently seasonally adjusted series does not necessarily produce series which are optimum or even adequate adjustments of the similarly derived original series. Thus the figures which can be derived by subtracting seasonally adjusted private sector dwelling units from the seasonally adjusted total should not be used to represent seasonally adjusted public sector dwelling units.

20. As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's data. For Building Approvals, the results of the latest review are shown in the July issue each year. Further information about seasonal adjustment can be obtained from the Assistant Director of Time Series Analysis, Canberra, on (02) 6252 6345.

#### **Trend Estimates**

21. Seasonally adjusted series can be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate.

22. Table 3 shows trend estimates for both private and total dwellings. These are obtained by applying a 13-term Henderson-weighted moving average to all months of the respective seasonally adjusted series except the last six months. Trend series are created for the last six months by applying surrogates of the Henderson moving average to the seasonally adjusted time series. For further information, see *A Guide to Interpreting Time Series - Monitoring 'Trends': an Overview* (1348.0).

23. While the smoothing technique described in paragraphs 21 and 22 enables trend estimates to be produced for the latest few months, it does result in revisions to the trend estimates as new data become available. Generally, revisions become smaller over time and, after three months, usually have a negligible impact on the series. Revisions to the original data and re-analysis of seasonal factors may also lead to revisions to the trend.

#### **Estimates at Constant Prices**

24. Estimates of the quarterly value of building approvals at average 1989-90 prices are presented in Table 4. (Note: monthly value data at constant prices are not available.)

25. Constant price estimates measure changes in value after the direct effects of price changes have been eliminated. The deflators used to revalue the current price estimates are derived from the same price data underlying the deflators compiled for the dwellings and non-dwelling construction components of the national accounts aggregate 'Gross fixed capital expenditure'.

26. Estimates at constant prices are subject to a number of approximations and assumptions. Further information on the nature and concepts of constant price estimates is contained in Chapter 4 of *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

#### **Australian Standard Geographical Classification (ASGC)**

27. Area statistics are now being classified to the Australian Standard Geographical Classification, 1996 Edition (1216.0), effective from 1 July 1996, and ASGC terminology has been adopted in the presentation of building statistics:

(a) The Central Metropolitan SSD (Perth SD) now excludes the SLA of Victoria Park (T) and the South East Metropolitan SSD (Perth SD) now includes Victoria Park (T);

(b) The Central Statistical Division (Carnegie SSD) now excludes the SLA of Ngaanyatjarraku (S) and the South Eastern Statistical Division (Lefroy SSD) now includes Ngaanyatjarraku (S);

(c) The existing SLA of Wanneroo (C) has been split into five smaller SLAs. These new SLAs are: Wanneroo (C) - Central Coastal, Wanneroo (C) - North-East, Wanneroo (C) - North-West, Wanneroo (C) - South-East and Wanneroo (C) - South-West;

(d) There have been minor changes to the boundaries of the SLAs within the LGA of Stirling (C). This resulted in Stirling (C) - West being renamed Stirling (C) - Coastal.

**Unpublished Data and Related Publications**

28. The ABS can also make available certain building approvals data which are not published. Where it is not practicable to provide the required information by telephone, data can be provided in the following forms: microfiche, photocopy, computer printout and clerically extracted tabulation. A charge may be made for providing unpublished information in these forms.

29. Other ABS publications which may be of interest include:

| <b>WESTERN AUSTRALIA</b>   | <b>Catalogue No.</b> |
|--|----------------------|
| Building Activity (quarterly)  | 8752.5               |
| Dwelling Unit Commencements (monthly)  | 8741.5               |
| <b>AUSTRALIA</b>   |                      |
| Price Index of Materials Used in House Building (monthly)                          | 6408.0               |
| Building Approvals (monthly)   | 8731.0               |
| Building Activity, Australia: Dwelling Unit Commencements, Preliminary (quarterly) | 8750.0               |
| Building Activity (quarterly)  | 8752.0               |
| Engineering Construction Survey (quarterly)  | 8762.0               |
| Housing Finance for Owner Occupation: Australia                                    | 5609.0               |

30. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue* and *Release Advice* are available from any ABS office.

**Symbols and Other Usages**

31. The following symbols, where shown in columns of figures or elsewhere in tables, mean:

- nil or rounded to zero (including null cells)
- r figure or series revised since previous issue.
- n.a. not available

32. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

**M.A.KONRATH**  
**Acting Regional Director, Western Australia**

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