

Private sector houses approved Total number


- For further information about these and related statistics, contact Merv Leaker on Adelaide 0882377536 or the National Information Service on 1300135070.


## DECEMBER KEY FIGURES

|  | Oct 2000 | Nov 2000 | Dec 2000 |
| :---: | :---: | :---: | :---: |
| Dwelling units approved |  |  |  |
| Original | 1213 | 1228 | 1065 |
| Seasonally adjusted | 1226 | 1083 | 1213 |
| Trend | 1185 | 1160 | 1142 |


| \% change <br> Sep 2000 to <br> Oct 2000 | \% change <br> Oct 2000 to <br> Nov 2000 | \% change <br> Nov 2000 to <br> Dec 2000 |
| :--- | :---: | :--- |
| 0.5 | 1.2 | -13.3 |
| -5.4 | -11.6 | 12.0 |
| -3.0 | -2.1 | -1.5 |

## DECEMBER KEY POINTS

## TRENDESTIMATES

- While the trend for total dwelling units approved continued to fall throughout the December 2000 quarter the rate of decline has slowed. The December 2000 trend estimate of 1,142 dwelling units is the lowest estimate since March 1991.
- The trend for private sector house approvals has increased to 958 in December 2000 which is $2.7 \%$ higher than the September 2000 low of 933.


## SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for total dwellings has increased $12.0 \%$ to 1,213 in December 2000 following decreases of $5.4 \%$ and $11.6 \%$ in October and November respectively.
- The seasonally adjusted estimate for private sector houses fell in October 2000 by $12.3 \%$ but increased in the following two months by $6.7 \%$ and $4.9 \%$ respectively.


## ORIGINAL ESTIMATES

- In original terms, the number of dwellings approved over the December 2000 quarter has fallen $3.2 \%$ (to 3,506 ) compared with the September 2000 quarter. A reduction in the number of other dwellings approved was responsible for the fall.
- The total value of building work approved for the December 2000 quarter was $\$ 708.3$ million, down $7.7 \%$ from the previous quarter of $\$ 767.2$ million.


## N O T E S

FORTHCOMING ISSUES

CHANGES IN THIS ISSUE

DATA NOTES

REVISIONS THIS MONTH

ISSUE
March 2001
June 2001

## RELEASE DATE

11 May 2001
7 August 2001

The Explanatory Notes (pages 22-25) have been updated to include more information about building approval values, including the treatment of the Goods and Service Tax (GST).

There are no data notes for this issue.

As a result of revisions there are an additional 65 dwellings for November 2000 in this issue compared with data released in the November 2000 issue of Building Approvals, Australia (8731.0).

Colin Nagle<br>Regional Director, Western Australia

## VALUE OF BUILDINGS APPROVED

## VALUE OF TOTAL BUILDING

VALUE OF RESIDENTIAL BUILDING

The trend for the value of total building approved continued the decline that began in November 1999, although the rate of decline eased to $1.5 \%$ in December 2000.


The decline in the trend for the value of residential building, which had occurred since December 1999 was arrested in November 2000. The trend increased by $2.6 \%$ in December 2000


The trend for the value of non-residential building has fallen for the past seven months with the rate of decline increasing with each consecutive month.


## SUMMARYOF2OOOBUILDINGSAPPROVED

DWELLING UNITS APPROVED

The number of dwelling units approved in the 1999 and 2000 calendar years and the percentage movement between 1999 and 2000 for Western Australia is summarised below:

|  | 1999 | 2000 | 1999 to 2000 |
| :--- | ---: | :---: | :---: |
|  | no. | no. | \% change |
| New residential building | 23209 | 17243 | -25.7 |
| Alterations and additions to <br> residential buildings | 67 | 88 | 31.3 |
| Conversions | 103 | 76 | -26.2 |
| Non-residential building | 55 | 38 | -30.9 |
| Total dwelling units | 23434 | 17445 | -25.6 |

The total number of dwelling units approved in the calendar year 2000 has decreased by 5,989 dwellings (or $25.6 \%$ ) compared with the previous year.

VALUE OF BUILDING APPROVED
The value of building approved in the 1999 and 2000 calendar years and the percentage movement between 1999 and 2000 for Western Australia is summarised below:

|  | 1999 | 2000 | 1999 to 2000 |
| :---: | :---: | :---: | :---: |
|  | \$m | \$m. | \% change |
| New residential building | 2569.6 | 2155.4 | -16.1 |
| Alterations and additions creating dwellings to residential buildings | 5.4 | 5.2 | -4.4 |
| Alterations and additions not creating dwellings to residential building | 231.8 | 197.6 | -14.8 |
| Conversions | 15.1 | 9.9 | -34.0 |
| Non-residential building | 1306.1 | 1047.9 | -19.8 |
| Total building | 4128.0 | 3416.0 | -17.2 |

The value of total building for the 2000 calendar year fell $17.2 \%$ compared with the previous year, as all building type categories recorded a decrease in the value of work approved.

EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

Readers should exercise care when interpreting trend estimates. The last six trend estimates, in particular, are likely to be revised when new seasonally adjusted estimates become available.

TREND REVISIONS Generally, the greater the volatility of the original series, the larger the size of the revisions to trend estimates. Analysis of the building approval original series has shown that they can be revised substantially. As a result, some months can elapse before turning points in the trend series are reliably identified.

The graphs and tables which follow present the effect of two possible scenarios on the previous trend estimates: that the January seasonally adjusted estimate is higher than the December estimate by $6 \%$ for the number of private sector houses approved and $7 \%$ for total dwelling units approved; and that the January seasonally adjusted estimate is lower than the December estimate by $6 \%$ for the number of private sector houses approved and $7 \%$ for total dwelling units approved. These percentages were chosen because they represent the average absolute monthly percentage change for these series over the last ten years.

PRIVATE SECTOR HOUSES


|  | TREND AS |  |
| :--- | :---: | :---: |
|  | PUBLISHED |  |
|  | no. | \% change |
| August 2000 | 939 | -2.6 |
| September 2000 | 933 | -0.7 |
| October 2000 | 936 | 0.3 |
| November 2000 | 943 | 0.8 |
| December 2000 | 958 | 1.7 |
| January 2001 | n.y.a. | n.y.a. |

TOTAL DWELLING UNITS


WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:

| $\mathbf{1}$ |  |  |  |
| :--- | :--- | :--- | :--- |
| rises by <br> no. <br> \% on Dec 2000 | falls by <br> no. | \% on Dec 2000 <br> \% change |  |
|  |  |  |  |
| 930 | -2.9 | 934 | -2.7 |
| 929 | -0.1 | 931 | -0.3 |
| 943 | 1.5 | 938 | 0.7 |
| 962 | 2.0 | 945 | 0.8 |
| 984 | 2.3 | 953 | 0.8 |
| 1006 | 2.2 | 959 | 0.6 |

WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:

## 1

Septemb
October 2000
November 2000

January 2001
rises by 7\% on Dec 2000
no. \% change
$1263-4.7 \quad 1269 \quad-4.5$

TREND AS PUBLISHED no. \% change
$1273-4.4$
$1222-4.0$

1218 -3.6
$1195-1.9$

| 1191 | -0.3 | 1165 | -1.8 |
| :--- | :--- | :--- | :--- |

$\begin{array}{llll}1196 & 0.4 & 1148 & -1.5\end{array}$
$1225 \quad 2.5 \quad 1153 \quad 0.5$

HOUSES $\qquad$
Private
sector $\quad$ Total
no.
OTHER DWELLINGS.
.....

Private
sector Total
no.
no.

ORIGINAL
1999

| 1999 October | 1655 | 1669 |
| :--- | ---: | ---: |
| November | 2031 | 2058 |
| December | 1712 | 1734 |
| $\mathbf{2 0 0 0}$ |  |  |
| January | 1385 | 1404 |
| February | 1459 | 1499 |
| March | 1477 | 1508 |
| April | 1072 | 1094 |
| May | 1363 | 1392 |
| June | 1044 | 1200 |
| July | 906 | 915 |
| August | 1005 | 1012 |
| September | 961 | 987 |
| October | 911 | 940 |
| November | 1027 | 1058 |
| December | 900 | 914 |

$\begin{array}{ll}914 & 147 \\ 144\end{array}$

SEASONALLY ADJUSTED
1999

| October | 1673 | 1699 | n.a. | n.a. | 1965 | 2020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| November | 1865 | 1891 | n.a. | n.a. | 2131 | 2163 |
| December | 1743 | 1769 | n.a. | n.a. | 2021 | 2120 |
| 2000 |  |  |  |  |  |  |
| January | 1742 | 1773 | n.a. | n.a. | 2103 | 2172 |
| February | 1556 | 1596 | n.a. | n.a. | 1852 | 1924 |
| March | 1375 | 1411 | n.a. | n.a. | 1529 | 1627 |
| April | 1232 | 1264 | n.a. | n.a. | 1480 | 1553 |
| May | 1158 | 1184 | n.a. | n.a. | 1447 | 1511 |
| June | 982 | 1045 | n.a. | n.a. | 1231 | 1632 |
| July | 917 | 928 | n.a. | n.a. | 1163 | 1191 |
| August | 903 | 909 | n.a. | n.a. | 1102 | 1159 |
| September | 1013 | 1047 | n.a. | n.a. | 1224 | 1296 |
| October | 888 | 938 | n.a. | n.a. | 1156 | 1226 |
| November | 947 | 978 | n.a. | n.a. | 1029 | 1083 |
| December | 994 | 1012 | n.a. | n.a. | 1188 | 1213 |

TOTAL DWELLING UNITS

| Private |  |
| :--- | :---: |
| sector | Total |
| no. | no. |

.
ORIGINAL

| 208 | 237 | 1863 | 1906 |
| :--- | :--- | :--- | :--- |
| 371 | 377 | 2402 | 2435 |
| 207 | 280 | 1919 | 2014 |
| 233 | 271 | 1618 |  |
| 441 | 473 | 1900 | 1675 |
| 198 | 260 | 1675 | 1972 |
| 240 | 281 | 1312 | 1768 |
| 380 | 418 | 1743 | 1375 |
| 179 | 517 | 1223 | 1810 |
| 192 | 209 | 1098 | 1717 |
| 228 | 279 | 1233 | 1124 |
| 182 | 220 | 1143 | 1291 |
| 253 | 273 | 1164 | 1207 |
| 147 | 170 | 1174 | 1213 |
| 144 | 151 | 1044 | 1228 |
|  |  |  | 1065 |

TREND ESTIMATES

| 1999 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October | 1742 | 1764 | 319 | 371 | 2061 | 2135 |
| November | 1758 | 1784 | 306 | 351 | 2064 | 2135 |
| December | 1737 | 1767 | 289 | 327 | 2026 | 2094 |
| 2000 |  |  |  |  |  |  |
| January | 1671 | 1703 | 277 | 312 | 1948 | 2015 |
| February | 1558 | 1593 | 267 | 310 | 1825 | 1903 |
| March | 1410 | 1446 | 261 | 324 | 1671 | 1770 |
| April | 1257 | 1293 | 251 | 338 | 1508 | 1631 |
| May | 1124 | 1157 | 246 | 350 | 1370 | 1507 |
| June | 1024 | 1055 | 242 | 352 | 1266 | 1407 |
| July | 964 | 993 | 239 | 339 | 1203 | 1332 |
| August | 939 | 967 | 229 | 306 | 1168 | 1273 |
| September | 933 | 962 | 210 | 260 | 1143 | 1222 |
| October | 936 | 965 | 193 | 220 | 1129 | 1185 |
| November | 943 | 973 | 177 | 187 | 1120 | 1160 |
| December | 958 | 986 | 167 | 156 | 1125 | 1142 |

DWELLING UNITS APPROVED, Percentage Change

HOUSES $\qquad$

OTHER DWELLINGS...... Private Private sector Total sector sector Total Total


SEASONALLY ADJUSTED (\% change from preceding month)

| 1999 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October | 1.6 | 2.1 | n.a. | n.a. | -0.2 | -4.9 |
| November | 11.5 | 11.3 | n.a. | n.a. | 8.4 | 7.1 |
| December | -6.6 | -6.5 | n.a. | n.a. | -5.2 | -2.0 |
| 2000 |  |  |  |  |  |  |
| January | 0.0 | 0.2 | n.a. | n.a. | 4.1 | 2.5 |
| February | -10.7 | -10.0 | n.a. | n.a. | -11.9 | -11.4 |
| March | -11.6 | -11.6 | n.a. | n.a. | -17.4 | -15.5 |
| April | -10.4 | -10.4 | n.a. | n.a. | -3.2 | -4.5 |
| May | -6.0 | -6.3 | n.a. | n.a. | -2.2 | -2.7 |
| June | -15.2 | -11.7 | n.a. | n.a. | -14.9 | 8.0 |
| July | -6.6 | -11.2 | n.a. | n.a. | -5.5 | -27.0 |
| August | -1.6 | -2.0 | n.a. | n.a. | -5.2 | -2.7 |
| September | 12.1 | 15.2 | n.a. | n.a. | 11.1 | 11.8 |
| October | -12.3 | -10.4 | n.a. | n.a. | -5.6 | -5.4 |
| November | 6.7 | 4.3 | n.a. | n.a. | -11.0 | -11.6 |
| December | 4.9 | 3.5 | n.a. | n.a. | 15.5 | 12.0 |

TREND ESTIMATES (\% change from preceding month)

| 1999 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| October | 2.3 | 2.6 | -2.1 | -4.9 | 1.6 | 1.2 |
| November | 0.9 | 1.1 | -4.1 | -5.4 | 0.1 | 0.0 |
| December | -1.2 | -1.0 | -5.6 | -6.8 | -1.8 | -1.9 |
| 2000 |  |  |  |  |  |  |
| January | -3.8 | -3.6 | -4.2 | -4.6 | -3.8 | -3.8 |
| February | -6.8 | -6.5 | -3.6 | -0.6 | -6.3 | -5.5 |
| March | -9.5 | -9.2 | -2.2 | 4.5 | -8.4 | -7.0 |
| April | -10.9 | -10.6 | -3.8 | 4.3 | -9.8 | -7.9 |
| May | -10.6 | -10.5 | -2.0 | 3.6 | -9.2 | -7.6 |
| June | -8.9 | -8.8 | -1.6 | 0.6 | -7.6 | -6.6 |
| July | -5.8 | -5.9 | -1.2 | -3.7 | -5.0 | -5.3 |
| August | -2.6 | -2.6 | -4.2 | -9.7 | -2.9 | -4.4 |
| September | -0.7 | -0.5 | -8.3 | -15.0 | -2.1 | -4.0 |
| October | 0.3 | 0.3 | -8.1 | -15.4 | -1.2 | -3.0 |
| November | 0.8 | 0.8 | -8.3 | -15.0 | -0.8 | -2.1 |
| December | 1.7 | 1.3 | -5.6 | -16.6 | 0.4 | -1.5 |


|  | Alterations and <br> additions to <br> residential <br> buildings(a) | Total <br> rewidential <br> residential <br> building | $\$ m$ | building |
| :--- | :--- | :--- | :--- | :--- | :--- |


| ORIGINAL |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1999 |  |  |  |  |  |
| October | 227.0 | 19.5 | 246.5 | 137.0 | 383.4 |
| November | 277.4 | 26.4 | 303.8 | 95.7 | 399.5 |
| December | 224.8 | 18.1 | 243.0 | 62.3 | 305.2 |
| 2000 |  |  |  |  |  |
| January | 195.2 | 16.6 | 211.8 | 57.3 | 269.2 |
| February | 269.1 | 20.2 | 289.3 | 103.2 | 392.5 |
| March | 213.4 | 19.3 | 232.7 | 74.0 | 306.7 |
| April | 170.8 | 15.6 | 186.4 | 87.5 | 273.8 |
| May | 240.6 | 24.6 | 265.2 | 147.7 | 412.9 |
| June | 188.1 | 13.8 | 201.9 | 83.6 | 285.5 |
| July | 135.9 | 16.4 | 152.3 | 101.4 | 253.7 |
| August | 152.5 | 18.7 | 171.2 | 93.0 | 264.2 |
| September | 142.4 | 18.4 | 160.8 | 88.5 | 249.3 |
| October | 145.7 | 17.5 | 163.1 | 105.1 | 268.3 |
| November | 154.1 | 18.4 | 172.5 | 63.0 | 235.6 |
| December | 147.6 | 13.1 | 160.8 | 43.6 | 204.4 |


| SEASONALLY ADJUSTED |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1999 |  |  |  |  |  |
| October | 243.0 | 17.7 | 260.8 | n.a. | 367.5 |
| November | 249.8 | 24.9 | 274.7 | n.a. | 360.2 |
| December | 239.4 | 18.6 | 258.0 | n.a. | 334.3 |
| 2000 |  |  |  |  |  |
| January | 245.4 | 18.0 | 263.4 | n.a. | 351.7 |
| February | 265.5 | 18.9 | 284.3 | n.a. | 385.7 |
| March | 199.3 | 16.9 | 216.3 | n.a. | 294.2 |
| April | 192.4 | 18.2 | 210.6 | n.a. | 323.6 |
| May | 205.2 | 25.4 | 230.6 | n.a. | 331.8 |
| June | 166.4 | 15.9 | 182.4 | n.a. | 273.5 |
| July | 145.3 | 15.4 | 160.7 | n.a. | 257.7 |
| August | 141.4 | 17.8 | 159.2 | n.a. | 236.7 |
| September | 147.9 | 18.8 | 166.7 | n.a. | 271.5 |
| October | 150.5 | 15.7 | 166.2 | n.a. | 253.9 |
| November | 139.1 | 18.9 | 158.0 | n.a. | 213.1 |
| December | 167.7 | 13.3 | 181.0 | n.a. | 231.0 |


| TREND ESTIMATES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1999 |  |  |  |  |  |
| October | 241.9 | 21.1 | 263.0 | 108.9 | 372.0 |
| November | 246.3 | 20.3 | 266.5 | 101.3 | 367.8 |
| December | 247.2 | 19.4 | 266.6 | 93.0 | 359.6 |
| 2000 |  |  |  |  |  |
| January | 243.8 | 19.0 | 262.8 | 88.9 | 351.6 |
| February | 235.0 | 18.9 | 253.9 | 89.4 | 343.3 |
| March | 220.9 | 18.9 | 239.8 | 93.3 | 333.1 |
| April | 203.4 | 18.9 | 222.3 | 96.9 | 319.3 |
| May | 185.2 | 18.8 | 204.0 | 98.2 | 302.2 |
| June | 168.4 | 18.6 | 187.0 | 97.9 | 284.9 |
| July | 156.2 | 18.1 | 174.3 | 95.7 | 270.0 |
| August | 149.6 | 17.6 | 167.2 | 91.3 | 258.5 |
| September | 146.6 | 17.1 | 163.7 | 84.8 | 248.5 |
| October | 146.3 | 16.7 | 163.0 | 77.2 | 240.2 |
| November | 147.8 | 16.2 | 164.1 | 69.1 | 233.2 |
| December | 152.1 | 16.2 | 168.3 | 61.4 | 229.7 |

(a) Refer to Explanatory Notes paragraph 18.

VALUE OF BUILDING APPROVED, Percentage Change

|  |  | Alterations |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | New | and additions | Total | Non- |  |
| Month | residential | to residential | residential | residential | Total |
| building | buildings(a) | building | building | building |  |


| ORIGINAL (\% change from preceding month) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1999 |  |  |  |  |  |
| October | -0.8 | 4.6 | -0.4 | 1.6 | 0.3 |
| November | 22.2 | 35.6 | 23.3 | -30.1 | 4.2 |
| December | -18.9 | -31.4 | -20.0 | -35.0 | -23.6 |
| 2000 |  |  |  |  |  |
| January | -13.2 | -8.2 | -12.8 | -7.9 | -11.8 |
| February | 37.9 | 21.2 | 36.6 | 79.9 | 45.8 |
| March | -20.7 | -4.4 | -19.6 | -28.2 | -21.9 |
| April | -20.0 | -19.1 | -19.9 | 18.1 | -10.7 |
| May | 40.9 | 58.0 | 42.3 | 68.9 | 50.8 |
| June | -21.8 | -44.0 | -23.9 | -43.4 | -30.9 |
| July | -27.8 | 19.2 | -24.5 | 21.3 | -11.1 |
| August | 12.2 | 13.8 | 12.4 | -8.3 | 4.1 |
| September | -6.6 | -1.6 | -6.1 | -4.8 | -5.6 |
| October | 2.3 | -5.2 | 1.5 | 18.8 | 7.6 |
| November | 5.8 | 5.5 | 5.8 | -40.0 | -12.2 |
| December | -4.2 | -28.7 | -6.8 | -30.8 | -13.2 |

SEASONALLY ADJUSTED (\% change from preceding month)

| 1999 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| October | 5.4 | -12.6 | 3.9 | n.a. | -10.7 |
| November | 2.8 | 40.2 | 5.3 | n.a. | -2.0 |
| December | -4.2 | -25.4 | -6.1 | n.a. | -7.2 |
| 2000 |  |  |  |  |  |
| January | 2.5 | -3.3 | 2.1 | n.a. | 5.2 |
| February | 8.2 | 5.0 | 7.9 | n.a. | 9.7 |
| March | -24.9 | -10.2 | -23.9 | n.a. | -23.7 |
| April | -3.5 | 7.6 | -2.6 | n.a. | 10.0 |
| May | 6.7 | 39.6 | 9.5 | n.a. | 2.5 |
| June | -18.9 | -37.4 | -20.9 | n.a. | -17.5 |
| July | -12.7 | -3.3 | -11.9 | n.a. | -5.8 |
| August | -2.7 | 15.8 | -0.9 | n.a. | -8.1 |
| September | 4.6 | 5.4 | 4.7 | n.a. | 14.7 |
| October | 1.7 | -16.3 | -0.3 | n.a. | -6.5 |
| November | -7.5 | 19.9 | -4.9 | n.a. | -16.1 |
| December | 20.5 | -29.7 | 14.5 | n.a. | 8.4 |

TREND ESTIMATES (\% change from preceding month)

| 1999 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| October | 2.8 | -2.0 | 2.4 | -1.7 | 1.2 |
| November | 1.8 | -4.2 | 1.3 | -7.0 | -1.1 |
| December | 0.4 | -4.2 | 0.0 | -8.2 | -2.2 |
| 2000 |  |  |  |  |  |
| January | -1.4 | -2.2 | -1.5 | -4.4 | -2.2 |
| February | -3.6 | -0.3 | -3.4 | 0.6 | -2.4 |
| March | -6.0 | 0.0 | -5.5 | 4.3 | -3.0 |
| April | -7.9 | -0.1 | -7.3 | 3.9 | -4.2 |
| May | -9.0 | -0.6 | -8.2 | 1.3 | -5.3 |
| June | -9.1 | -1.1 | -8.3 | -0.3 | -5.7 |
| July | -7.3 | -2.5 | -6.8 | -2.3 | -5.3 |
| August | -4.2 | -2.9 | -4.1 | -4.6 | -4.2 |
| September | -2.0 | -2.8 | -2.1 | -7.1 | -3.9 |
| October | -0.2 | -2.3 | -0.4 | -9.0 | -3.3 |
| November | 1.0 | -2.8 | 0.6 | -10.4 | -2.9 |
| December | 2.9 | -0.3 | 2.6 | -11.2 | -1.5 |

(a) Refer to Explanatory Notes paragraph 18.

|  |  | Alterations |  | Non- | Total |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | New other | and additions |  | residential | dwelling |
| Period | New | residential | to residential | buildings | Conversion(a) | building(a) |

PRIVATE SECTOR (Number)

| 1997-1998 | 14960 | 2026 | 45 | 21 | 40 | 17092 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 17048 | 2313 | 31 | 101 | 36 | 19529 |
| 1999-2000 | 18261 | 3268 | 61 | 51 | 43 | 21684 |
| 1999 |  |  |  |  |  |  |
| December | 1712 | 171 | 14 | 7 | 15 | 1919 |
| 2000 |  |  |  |  |  |  |
| January | 1384 | 227 | 3 | 0 | 4 | 1618 |
| February | 1458 | 420 | 14 | 8 | 0 | 1900 |
| March | 1476 | 193 | 4 | 0 | 2 | 1675 |
| April | 1071 | 237 | 1 | 1 | 2 | 1312 |
| May | 1363 | 359 | 2 | 17 | 2 | 1743 |
| June | 1042 | 179 | 0 | 2 | 0 | 1223 |
| July | 905 | 179 | 5 | 7 | 2 | 1098 |
| August | 1003 | 171 | 12 | 35 | 12 | 1233 |
| September | 955 | 170 | 3 | 5 | 10 | 1143 |
| October | 909 | 250 | 3 | 0 | 2 | 1164 |
| November | 1026 | 145 | 0 | 1 | 2 | 1174 |
| December | 900 | 143 | 1 | 0 | 0 | 1044 |

## PUBLIC SECTOR (Number)

| 1997-1998 | 868 | 500 | 0 | 0 | 0 | 1368 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 442 | 636 | 7 | 0 | 0 | 1085 |
| 1999-2000 | 392 | 800 | 36 | 0 | 4 | 1232 |
| 1999 |  |  |  |  |  |  |
| December | 22 | 68 | 1 | 0 | 4 | 95 |
| 2000 |  |  |  |  |  |  |
| January | 19 | 22 | 16 | 0 | 0 | 57 |
| February | 40 | 32 | 0 | 0 | 0 | 72 |
| March | 31 | 56 | 6 | 0 | 0 | 93 |
| April | 22 | 41 | 0 | 0 | 0 | 63 |
| May | 29 | 38 | 0 | 0 | 0 | 67 |
| June | 156 | 338 | 0 | 0 | 0 | 494 |
| July | 9 | 11 | 6 | 0 | 0 | 26 |
| August | 7 | 40 | 11 | 0 | 0 | 58 |
| September | 26 | 38 | 0 | 0 | 0 | 64 |
| October | 28 | 20 | 1 | 0 | 0 | 49 |
| November | 31 | 23 | 0 | 0 | 0 | 54 |
| December | 14 | 7 | 0 | 0 | 0 | 21 |

TOTAL (Number)

| 1997-1998 | 15828 | 2526 | 45 | 21 | 40 | 18460 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 17490 | 2949 | 38 | 101 | 36 | 20614 |
| 1999-2000 | 18653 | 4068 | 97 | 51 | 47 | 22916 |
| 1999 |  |  |  |  |  |  |
| December | 1734 | 239 | 15 | 7 | 19 | 2014 |
| 2000 |  |  |  |  |  |  |
| January | 1403 | 249 | 19 | 0 | 4 | 1675 |
| February | 1498 | 452 | 14 | 8 | 0 | 1972 |
| March | 1507 | 249 | 10 | 0 | 2 | 1768 |
| April | 1093 | 278 | 1 | 1 | 2 | 1375 |
| May | 1392 | 397 | 2 | 17 | 2 | 1810 |
| June | 1198 | 517 | 0 | 2 | 0 | 1717 |
| July | 914 | 190 | 11 | 7 | 2 | 1124 |
| August | 1010 | 211 | 23 | 35 | 12 | 1291 |
| September | 981 | 208 | 3 | 5 | 10 | 1207 |
| October | 937 | 270 | 4 | 0 | 2 | 1213 |
| November | 1057 | 168 | 0 | 1 | 2 | 1228 |
| December | 914 | 150 | 1 | 0 | 0 | 1065 |

(a) See Glossary for definition.

|  |  |  | Alterations | Alterations |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | New | New other residential | and additions creating | and additions not creating |  | Total residential | Nonresidential | Total |
| Period | houses | building | dwellings | dwellings | Conversion(a) | building | building (a) | building |


| 1997-1998 | 1561.5 | 189.6 | 2.4 | 182.5 | 0.9 | 1936.9 | 706.7 | 2643.5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 1865.9 | 253.1 | 1.8 | 208.5 | 8.7 | 2338.2 | 897.5 | 3235.8 |
| 1999-2000 | 2130.4 | 446.3 | 5.8 | 219.1 | 13.0 | 2814.5 | 666.0 | 3480.7 |
| 1999 |  |  |  |  |  |  |  |  |
| December | 199.2 | 18.1 | 1.5 | 15.2 | 1.3 | 235.2 | 44.8 | 280.0 |
| 2000 |  |  |  |  |  |  |  |  |
| January | 167.6 | 24.2 | 0.2 | 16.0 | 0.0 | 207.9 | 38.6 | 246.6 |
| February | 164.2 | 97.7 | 1.2 | 18.1 | 0.7 | 282.1 | 54.3 | 336.3 |
| March | 185.9 | 19.2 | 0.5 | 17.0 | 0.0 | 222.6 | 38.9 | 261.5 |
| April | 125.8 | 39.9 | 0.2 | 14.6 | 0.0 | 180.4 | 63.0 | 243.5 |
| May | 166.1 | 65.1 | 0.1 | 20.2 | 4.3 | 255.8 | 68.3 | 324.1 |
| June | 125.2 | 18.8 | 0.0 | 13.7 | 0.1 | 157.8 | 56.7 | 214.6 |
| July | 113.9 | 20.1 | 0.3 | 14.0 | 1.2 | 149.5 | 49.9 | 199.4 |
| August | 127.1 | 20.7 | 0.6 | 13.7 | 3.3 | 165.4 | 86.0 | 251.4 |
| September | 117.6 | 17.2 | 0.1 | 16.7 | 0.3 | 151.9 | 80.1 | 232.0 |
| October | 116.8 | 24.3 | 0.4 | 16.5 | 0.0 | 158.0 | 70.7 | 228.7 |
| November | 131.8 | 16.6 | 0.0 | 18.3 | 0.1 | 166.9 | 51.5 | 218.4 |
| December | 123.1 | 22.5 | 0.2 | 12.9 | 0.0 | 158.8 | 31.8 | 190.6 |

PUBLIC SECTOR (\$ million)

| 1997-1998 | 72.9 | 32.5 |  | 1.7 | 0.0 | 107.4 | 193.3 | 300.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 46.8 | 44.8 | 0.4 | 5.4 | 0.0 | 97.5 | 210.7 | 308.5 |
| 1999-2000 | 43.3 | 67.1 | 1.6 | 4.7 | 0.0 | 116.6 | 535.0 | 651.4 |
| 1999 |  |  |  |  |  |  |  |  |
| December | 2.1 | 5.4 | 0.1 | 0.1 | 0.0 | 7.8 | 17.5 | 25.2 |
| 2000 |  |  |  |  |  |  |  |  |
| January | 2.0 | 1.4 | 0.5 | 0.0 | 0.0 | 3.9 | 18.7 | 22.6 |
| February | 3.7 | 3.5 | 0.0 | 0.1 | 0.0 | 7.2 | 48.9 | 56.1 |
| March | 3.1 | 5.1 | 0.2 | 1.6 | 0.0 | 10.0 | 35.2 | 45.2 |
| April | 3.0 | 2.1 | 0.0 | 0.8 | 0.0 | 5.9 | 24.5 | 30.4 |
| May | 6.1 | 3.2 | 0.0 | 0.1 | 0.0 | 9.4 | 79.4 | 88.8 |
| June | 15.3 | 28.8 | 0.0 | 0.0 | 0.0 | 44.1 | 26.8 | 70.9 |
| July | 1.0 | 0.9 | 0.2 | 0.8 | 0.0 | 2.9 | 51.5 | 54.3 |
| August | 0.9 | 3.8 | 0.2 | 0.9 | 0.0 | 5.8 | 7.0 | 12.8 |
| September | 4.1 | 3.5 | 0.0 | 1.3 | 0.0 | 8.9 | 8.4 | 17.2 |
| October | 2.7 | 1.9 | 0.4 | 0.2 | 0.0 | 5.1 | 34.4 | 39.5 |
| November | 3.8 | 1.8 | 0.0 | 0.0 | 0.0 | 5.7 | 11.6 | 17.2 |
| December | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 2.0 | 11.8 | 13.8 |

TOTAL (\$ million)

| 1997-1998 | 1634.2 | 222.0 | 2.4 | 184.3 | 0.9 | 2043.9 | 899.8 | 2943.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 1912.9 | 298.3 | 2.3 | 214.1 | 8.7 | 2436.0 | 1108.3 | 3544.3 |
| 1999-2000 | 2173.7 | 513.2 | 7.4 | 224.0 | 13.0 | 2931.4 | 1201.1 | 4132.2 |
| 1999 |  |  |  |  |  |  |  |  |
| December | 201.3 | 23.5 | 1.6 | 15.3 | 1.3 | 243.0 | 62.3 | 305.2 |
| 2000 |  |  |  |  |  |  |  |  |
| January | 169.6 | 25.6 | 0.7 | 16.0 | 0.0 | 211.8 | 57.3 | 269.2 |
| February | 167.9 | 101.2 | 1.2 | 18.2 | 0.7 | 289.3 | 103.2 | 392.5 |
| March | 189.0 | 24.3 | 0.6 | 18.7 | 0.0 | 232.7 | 74.0 | 306.7 |
| April | 128.8 | 42.0 | 0.2 | 15.4 | 0.0 | 186.4 | 87.5 | 273.8 |
| May | 172.2 | 68.3 | 0.1 | 20.3 | 4.3 | 265.2 | 147.7 | 412.9 |
| June | 140.5 | 47.6 | 0.0 | 13.7 | 0.1 | 201.9 | 83.6 | 285.5 |
| July | 115.0 | 20.9 | 0.5 | 14.7 | 1.2 | 152.3 | 101.4 | 253.7 |
| August | 128.0 | 24.5 | 0.8 | 14.6 | 3.3 | 171.2 | 93.0 | 264.2 |
| September | 121.7 | 20.7 | 0.1 | 18.0 | 0.3 | 160.8 | 88.5 | 249.3 |
| October | 119.5 | 26.2 | 0.8 | 16.7 | 0.0 | 163.1 | 105.1 | 268.3 |
| November | 135.7 | 18.5 | 0.0 | 18.3 | 0.1 | 172.5 | 63.0 | 235.6 |
| December | 124.6 | 23.0 | 0.2 | 12.9 | 0.0 | 160.8 | 43.6 | 204.4 |

[^0]DWELLING UNITS APPROVED IN NEW RESIDENTIAL BUILDING(a): Original

NEW OTHER RESIDENTIAL BUILDING $\qquad$
New
houses

| Period |  | One storey | Two or more storeys | Total | One or two storeys | Three storeys | Four or more storeys | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NUMBER OF DWELLINGS |  |  |  |  |  |  |  |  |  |  |
| 1997-1998 | 15828 | 1672 | 324 | 1996 | 166 | 95 | 269 | 530 | 2526 | 18354 |
| 1998-1999 | 17490 | 1536 | 692 | 2228 | 58 | 157 | 506 | 721 | 2949 | 20439 |
| 1999-2000 | 18653 | 1539 | 649 | 2188 | 716 | 251 | 913 | 1880 | 4068 | 22721 |
| 1999 |  |  |  |  |  |  |  |  |  |  |
| October | 1666 | 112 | 52 | 164 | 0 | 6 | 64 | 70 | 234 | 1900 |
| November | 2055 | 146 | 51 | 197 | 137 | 20 | 11 | 168 | 365 | 2420 |
| December | 1734 | 168 | 42 | 210 | 16 | 0 | 13 | 29 | 239 | 1973 |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| January | 1403 | 100 | 48 | 148 | 52 | 5 | 44 | 101 | 249 | 1652 |
| February | 1498 | 109 | 41 | 150 | 19 | 25 | 258 | 302 | 452 | 1950 |
| March | 1507 | 93 | 80 | 173 | 16 | 12 | 48 | 76 | 249 | 1756 |
| April | 1093 | 63 | 41 | 104 | 40 | 0 | 134 | 174 | 278 | 1371 |
| May | 1392 | 87 | 60 | 147 | 20 | 68 | 162 | 250 | 397 | 1789 |
| June | 1198 | 122 | 59 | 181 | 310 | 26 | 0 | 336 | 517 | 1715 |
| July | 914 | 95 | 13 | 108 | 3 | 24 | 55 | 82 | 190 | 1104 |
| August | 1010 | 90 | 30 | 120 | 2 | 0 | 89 | 91 | 211 | 1221 |
| September | 981 | 116 | 21 | 137 | 20 | 51 | 0 | 71 | 208 | 1189 |
| October | 937 | 157 | 34 | 191 | 9 | 11 | 59 | 79 | 270 | 1207 |
| November | 1057 | 64 | 21 | 85 | 0 | 6 | 77 | 83 | 168 | 1225 |
| December | 914 | 41 | 24 | 65 | 23 | 0 | 62 | 85 | 150 | 1064 |


| VALUE (\$ million) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1997-1998 | 1634.3 | 117.3 | 31.4 | 148.7 | 13.5 | 10.7 | 49.2 | 73.4 | 222.1 | 1856.4 |
| 1998-1999 | 1912.9 | 107.7 | 82.1 | 189.8 | 5.7 | 13.7 | 89.0 | 108.4 | 298.2 | 2211.0 |
| 1999-2000 | 2173.7 | 122.1 | 78.3 | 200.3 | 62.1 | 25.5 | 225.5 | 313.1 | 513.4 | 2687.2 |
| 1999 |  |  |  |  |  |  |  |  |  |  |
| October | 193.6 | 8.9 | 7.2 | 16.1 | 0.0 | 1.3 | 16.0 | 17.3 | 33.4 | 227.0 |
| November | 243.0 | 11.2 | 6.1 | 17.4 | 13.5 | 1.6 | 2.0 | 17.1 | 34.4 | 277.4 |
| December | 201.3 | 13.1 | 4.6 | 17.6 | 1.2 | 0.0 | 4.7 | 5.9 | 23.5 | 224.8 |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| January | 169.6 | 7.5 | 5.6 | 13.0 | 5.1 | 1.7 | 5.8 | 12.6 | 25.6 | 195.2 |
| February | 167.9 | 9.6 | 5.4 | 15.1 | 2.5 | 3.6 | 80.0 | 86.1 | 101.2 | 269.1 |
| March | 189.0 | 7.9 | 7.4 | 15.3 | 1.2 | 1.2 | 6.7 | 9.0 | 24.3 | 213.4 |
| April | 128.8 | 4.7 | 4.5 | 9.2 | 2.8 | 0.0 | 30.0 | 32.8 | 42.0 | 170.8 |
| May | 172.2 | 6.5 | 8.0 | 14.5 | 1.4 | 4.0 | 48.5 | 53.8 | 68.3 | 240.6 |
| June | 140.5 | 8.2 | 8.3 | 16.5 | 26.8 | 4.4 | 0.0 | 31.2 | 47.6 | 188.1 |
| July | 115.0 | 6.7 | 1.4 | 8.1 | 0.3 | 5.0 | 7.6 | 12.8 | 20.9 | 135.9 |
| August | 128.0 | 8.0 | 4.2 | 12.1 | 0.2 | 0.0 | 12.2 | 12.4 | 24.5 | 152.5 |
| September | 121.7 | 10.1 | 2.4 | 12.5 | 1.8 | 6.3 | 0.0 | 8.2 | 20.7 | 142.4 |
| October | 119.5 | 11.4 | 4.5 | 15.9 | 0.6 | 2.5 | 7.2 | 10.3 | 26.2 | 145.7 |
| November | 135.7 | 5.7 | 3.4 | 9.1 | 0.0 | 0.9 | 8.5 | 9.4 | 18.5 | 154.1 |
| December | 124.6 | 3.8 | 2.5 | 6.3 | 1.9 | 0.0 | 14.8 | 16.7 | 23.0 | 147.6 |

(a) See Glossary for definition.

| Period | New houses | New other residential building | New residential building | Alterations and additions to residential buildings(b) | Total residential building | Nonresidential building | Total building |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ORIGINAL (\$ million) |  |  |  |  |  |  |  |
| 1997-1998 | 1691.6 | 225.0 | 1915.8 | 194.2 | 2110.0 | 916.3 | 3025.9 |
| 1998-1999 | 1912.9 | 298.2 | 2211.0 | 225.0 | 2436.1 | 1108.2 | 3544.2 |
| 1999-2000 | 2034.2 | 481.5 | 2515.7 | 228.7 | 2744.4 | 1171.9 | 3916.3 |
| 1999 |  |  |  |  |  |  |  |
| June | 543.6 | 92.2 | 636.0 | 53.3 | 689.3 | 209.2 | 897.8 |
| September | 555.3 | 109.9 | 665.2 | 68.5 | 733.7 | 346.2 | 1079.9 |
| December | 601.4 | 88.0 | 689.4 | 60.4 | 749.8 | 287.8 | 1037.6 |
| 2000 |  |  |  |  |  |  |  |
| March | 476.4 | 140.8 | 617.2 | 50.7 | 667.9 | 228.4 | 896.4 |
| June | 401.1 | 142.8 | 543.9 | 49.1 | 593.0 | 309.5 | 902.4 |
| September | 303.5 | 58.0 | 361.5 | 44.6 | 406.0 | 273.7 | 679.7 |

ORIGINAL (\% change from preceding quarter)

| 1999 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| June | 22.9 | 27.7 | 23.6 | -16.8 | 19.1 | -53.1 | -12.5 |
| September | 2.2 | 19.2 | 4.6 | 28.5 | 6.4 | 65.5 | 20.3 |
| December | 8.3 | -20.0 | 3.6 | -11.9 | 2.2 | -16.9 | -3.9 |
| 2000 |  |  |  |  |  |  |  |
| March | -20.8 | 60.0 | -10.5 | -15.9 | -10.9 | -20.6 | -13.6 |
| June | -15.8 | 1.4 | -11.9 | -3.3 | -11.2 | 35.5 | 0.7 |
| September | -24.3 | -59.4 | -33.5 | -9.2 | -31.5 | -11.6 | -24.7 |

[^1]1998-99. Refer to Explanatory Notes
paragraph 26-27.

|  | Hotels, motels and other short term accommodation |  | Shops.............. |  | Factories............ |  | Offices................ |  | Other business premises. |  | Educational.......... |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | no. | \$m | no. | \$m | no. | \$m | no. | \$m | no. | \$m | no. | \$m |
| Value-\$50,000-\$199,999 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |
| October | 3 | 0.3 | 28 | 2.5 | 9 | 0.8 | 17 | 1.8 | 15 | 1.4 | 9 | 1.1 |
| November | 3 | 0.4 | 27 | 2.8 | 10 | 1.0 | 14 | 1.6 | 19 | 2.0 | 5 | 0.8 |
| December | 3 | 0.3 | 28 | 2.4 | 14 | 1.4 | 14 | 1.6 | 14 | 1.4 | 14 | 1.3 |


| Value-\$200,000-\$499,999 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 11 | 3.2 | 8 | 2.6 | 6 | 1.8 | 6 | 1.5 | 2 | 0.8 |
| November | 1 | 0.3 | 8 | 2.4 | 8 | 2.7 | 13 | 3.7 | 8 | 2.9 | 0 | 0.0 |
| December | 0 | 0.0 | 5 | 1.3 | 9 | 2.9 | 5 | 1.2 | 6 | 2.0 | 1 | 0.3 |
| Value-\$500,000-\$999,999 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |
| October | 1 | 0.5 | 2 | 1.7 | 2 | 1.2 | 1 | 0.9 | 3 | 1.9 | 1 | 0.5 |
| November | 0 | 0.0 | 5 | 3.5 | 1 | 0.6 | 3 | 2.3 | 4 | 2.4 | 2 | 1.0 |
| December | 0 | 0.0 | 5 | 3.5 | 0 | 0.0 | 3 | 2.2 | 0 | 0.0 | 1 | 0.7 |


| Value—\$1,000,000-\$4,999,999 |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{2 0 0 0}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| October | 1 | 1.5 | 2 | 5.9 | 1 | 3.0 | 1 | 3.5 | 3 | 6.2 | 0 | 0.0 |
| November | 2 | 4.1 | 2 | 3.4 | 1 | 1.1 | 2 | 2.1 | 2 | 3.8 | 2 | 6.7 |
| December | 1 | 2.5 | 1 | 1.0 | 2 | 3.9 | 1 | 2.0 | 2 | 2.5 | 0 | 0.0 |


| Value-\$5,000,000 and over |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 22.8 |
| November | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| December | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | $0 . .0$ | 0 | 0.0 | 1 | 5.1 |


| $\mathbf{1 9 9 7 - 1 9 9 8}$ | 99 | 53.1 | 445 | 186.0 | 287 | 88.4 | 283 | 123.5 | 398 | 150.0 | 128 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{1 9 9 8 - 1 9 9 9}$ | 90 | 52.4 | 489 | 366.6 | 271 | 89.9 | 274 | 93.9 | 396 | 146.9 |  |
| $\mathbf{1 9 9 9 - 2 0 0 0}$ | 106 | 51.2 | 548 | 156.1 | 292 | 96.7 | 302 | 116.5 | 338 | 140.3 | 182 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| $\mathbf{2 0 0 0}$ |  |  |  |  |  |  |  |  |  |  |  |
| October | 5 | 2.4 | 43 | 13.2 | 20 | 7.6 | 25 | 8.0 | 27 | 11.1 | 13.8 |
| November | 6 | 4.7 | 42 | 12.2 | 20 | 5.3 | 32 | 9.7 | 33 | 11.2 | 9 |
| December | 4 | 2.8 | 39 | 8.1 | 25 | 8.3 | 23 | 7.0 | 22 | 6.0 | 17 |


| Entertainment and <br> recreational.......... | Miscellaneous............. | Total non-residential <br> building.................... |  |  |
| :--- | :--- | :--- | :--- | :--- |
| no. | no. | $\$ m$ | no. | $\$ m$ |


| Period | no. | \$m | no. | \$m | no. | \$m | no. | \$m | no. | \$m |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Value-\$50,000-\$199,999 |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 1 | 0.2 | 7 | 1.2 | 7 | 0.6 | 96 | 9.8 |
| November | 1 | 0.1 | 1 | 0.1 | 2 | 0.3 | 5 | 0.5 | 87 | 9.5 |
| December | 2 | 0.2 | 0 | 0.0 | 4 | 0.3 | 6 | 0.5 | 99 | 9.4 |
| Value-\$200,000-\$499,999 |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| October | 2 | 0.5 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 36 | 10.7 |
| November | 1 | 0.5 | 0 | 0.0 | 2 | 0.4 | 3 | 0.8 | 44 | 13.6 |
| December | 1 | 0.2 | 3 | 0.8 | 1 | 0.3 | 0 | 0.0 | 31 | 9.1 |
| Value-\$500,000-\$999,999 |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 1 | 0.6 | 1 | 0.5 | 0 | 0.0 | 12 | 7.8 |
| November | 0 | 0.0 | 0 | 0.0 | 3 | 2.3 | 0 | 0.0 | 18 | 12.2 |
| December | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 6.8 |
| Value-\$1,000,000-\$4,999,999 |  |  |  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 2 | 5.8 | 0 | 0.0 | 2 | 2.9 | 12 | 28.8 |
| November | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 6.6 | 13 | 27.8 |
| December | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 1.3 | 8 | 13.2 |
| Value-\$5,000,000 and over |  |  |  |  |  |  |  |  |  |  |
| 2000 (0) |  |  |  |  |  |  |  |  |  |  |
| October | 0 | 0.0 | 0 | 0.0 | 1 | 10.5 | 2 | 14.7 | 4 | 48.0 |
| November | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| December | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 5.1 |
| Value-Total |  |  |  |  |  |  |  |  |  |  |
| 1997-1998 | 27 | 8.7 | 56 | 72.5 | 86 | 65.3 | 92 | 37.6 | 1901 | 899.8 |
| 1998-1999 | 16 | 9.4 | 70 | 52.9 | 85 | 106.1 | 93 | 70.6 | 1910 | 1108.2 |
| 1999-2000 | 43 | 22.6 | 75 | 113.2 | 78 | 51.4 | 130 | 148.1 | 2094 | 1201.0 |
| 2000 |  |  |  |  |  |  |  |  |  |  |
| October | 2 | 0.5 | 5 | 6.9 | 9 | 12.2 | 11 | 18.2 | 160 | 105.1 |
| November | 2 | 0.5 | 1 | 0.1 | 7 | 3.0 | 10 | 7.9 | 162 | 63.0 |
| December | 4 | 1.0 | 3 | 0.8 | 5 | 0.6 | 7 | 1.7 | 149 | 43.6 |


|  | Hotels, motels |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | and other short term accommodation |  |  |  | Other business premises |  |  |  | Entertainment and recreational | Miscellaneous | Total nonresidentia building |
| Period |  | Shops | Factories | Offices |  | Educational | Religious | Health |  |  |  |


| 1997-1998 | 51.7 | 185.4 | 86.4 | 81.6 | 142.0 | 32.0 | 8.7 | 58.4 | 39.4 | 21.1 | 706.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 51.8 | 363.7 | 86.4 | 70.2 | 138.8 | 51.6 | 9.3 | 32.5 | 75.7 | 17.1 | 897.5 |
| 1999-2000 | 50.4 | 152.9 | 91.0 | 78.2 | 124.9 | 57.0 | 22.8 | 39.2 | 29.8 | 20.2 | 666.0 |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |
| December | 3.9 | 12.1 | 3.8 | 7.1 | 6.9 | 2.8 | 3.2 | 1.8 | 0.5 | 2.7 | 44.8 |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |
| January | 4.9 | 6.5 | 4.6 | 6.9 | 10.0 | 1.1 | 0.0 | 4.5 | 0.1 | 0.2 | 38.6 |
| February | 3.5 | 14.6 | 12.1 | 11.0 | 9.8 | 1.1 | 0.3 | 0.3 | 1.1 | 0.7 | 54.3 |
| March | 0.7 | 5.1 | 9.0 | 7.9 | 10.4 | 1.7 | 0.7 | 0.2 | 1.8 | 1.2 | 38.9 |
| April | 3.1 | 17.6 | 3.8 | 7.2 | 8.7 | 2.5 | 7.2 | 4.6 | 7.2 | 1.2 | 63.0 |
| May | 7.8 | 11.4 | 5.8 | 7.6 | 11.3 | 15.9 | 4.1 | 1.9 | 1.6 | 0.8 | 68.3 |
| June | 5.7 | 15.2 | 5.9 | 4.5 | 17.7 | 2.6 | 0.4 | 0.5 | 3.0 | 1.4 | 56.7 |
| July | 0.5 | 7.2 | 9.7 | 10.9 | 3.6 | 11.4 | 0.8 | 1.0 | 2.0 | 2.9 | 49.9 |
| August | 2.9 | 55.8 | 5.9 | 8.9 | 4.8 | 1.5 | 0.0 | 2.4 | 1.6 | 2.1 | 86.0 |
| September | 1.2 | 30.6 | 7.1 | 22.0 | 13.0 | 4.0 | 0.5 | 0.3 | 1.3 | 0.1 | 80.1 |
| October | 2.4 | 13.2 | 7.6 | 3.9 | 10.9 | 23.5 | 0.5 | 0.7 | 1.0 | 7.1 | 70.7 |
| November | 4.7 | 12.2 | 5.3 | 9.2 | 11.2 | 4.7 | 0.5 | 0.1 | 1.3 | 2.4 | 51.5 |
| December | 2.8 | 8.0 | 6.0 | 4.3 | 6.0 | 1.3 | 1.0 | 0.2 | 0.6 | 1.5 | 31.8 |


| 1997-1998 | 1.4 | 0.7 | 2.1 | 41.7 | 8.0 | 82.7 | 0.0 | 14.1 | 25.9 | 16.7 | 193.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 0.6 | 2.9 | 3.5 | 23.7 | 7.8 | 68.3 | 0.0 | 20.4 | 30.4 | 53.4 | 210.7 |
| 1999-2000 | 0.6 | 3.4 | 5.8 | 38.4 | 15.5 | 247.6 | 0.0 | 74.0 | 21.6 | 128.0 | 535.0 |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |
| December | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 10.3 | 0.0 | 1.6 | 0.6 | 4.2 | 17.5 |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |
| January | 0.0 | 0.0 | 0.0 | 1.9 | 0.4 | 4.8 | 0.0 | 8.4 | 3.2 | 0.0 | 18.7 |
| February | 0.0 | 1.1 | 0.1 | 0.4 | 0.0 | 4.6 | 0.0 | 39.9 | 2.0 | 0.8 | 48.9 |
| March | 0.0 | 1.5 | 2.5 | 2.6 | 1.6 | 15.8 | 0.0 | 1.6 | 0.0 | 9.6 | 35.2 |
| April | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 5.6 | 0.0 | 5.6 | 0.5 | 10.4 | 24.5 |
| May | 0.0 | 0.0 | 0.0 | 7.7 | 0.8 | 15.9 | 0.0 | 4.8 | 0.0 | 50.3 | 79.4 |
| June | 0.0 | 0.0 | 0.0 | 1.9 | 8.0 | 1.9 | 0.0 | 6.7 | 7.9 | 0.5 | 26.8 |
| July | 0.0 | 0.7 | 0.0 | 1.1 | 0.1 | 25.4 | 0.0 | 2.1 | 20.2 | 1.8 | 51.5 |
| August | 0.2 | 0.0 | 0.0 | 0.7 | 0.1 | 2.0 | 0.0 | 0.9 | 3.1 | 0.0 | 7.0 |
| September | 0.0 | 0.5 | 0.0 | 0.7 | 3.8 | 1.3 | 0.0 | 0.6 | 1.0 | 0.4 | 8.4 |
| October | 0.0 | 0.0 | 0.0 | 4.1 | 0.1 | 1.7 | 0.0 | 6.1 | 11.2 | 11.2 | 34.4 |
| November | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 3.8 | 0.0 |  | 1.7 | 5.5 | 11.6 |
| December | 0.0 | 0.1 | 2.3 | 2.7 | 0.0 | 6.0 | 0.0 | 0.6 | 0.0 | 0.2 | 11.8 |


| TOTAL (\$ million) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1997-1998 | 53.1 | 186.0 | 88.6 | 123.5 | 149.9 | 114.6 | 8.7 | 72.5 | 65.1 | 37.6 | 899.8 |
| 1998-1999 | 52.4 | 366.5 | 89.9 | 93.8 | 146.6 | 119.8 | 9.3 | 52.9 | 106.0 | 70.4 | 1108.3 |
| 1999-2000 | 51.1 | 156.2 | 96.7 | 116.7 | 140.3 | 304.8 | 22.8 | 113.3 | 51.5 | 148.0 | 1201.1 |
| 1999 |  |  |  |  |  |  |  |  |  |  |  |
| December | 3.9 | 12.1 | 3.8 | 7.8 | 6.9 | 13.2 | 3.2 | 3.4 | 1.1 | 6.9 | 62.3 |
| 2000 |  |  |  |  |  |  |  |  |  |  |  |
| January | 4.9 | 6.5 | 4.6 | 8.8 | 10.4 | 5.9 |  | 12.9 | 3.3 | 0.2 | 57.3 |
| February | 3.5 | 15.6 | 12.1 | 11.4 | 9.8 | 5.7 | 0.3 | 40.2 | 3.1 | 1.5 | 103.2 |
| March | 0.7 | 6.6 | 11.5 | 10.6 | 12.0 | 17.4 | 0.7 | 1.8 | 1.8 | 10.8 | 74.0 |
| April | 3.1 | 17.6 | 3.8 | 7.3 | 10.9 | 8.2 | 7.2 | 10.3 | 7.7 | 11.6 | 87.5 |
| May | 7.8 | 11.4 | 5.8 | 15.3 | 12.1 | 31.8 | 4.1 | 6.7 | 1.6 | 51.1 | 147.7 |
| June | 5.7 | 15.2 | 5.9 | 6.4 | 25.7 | 4.5 | 0.4 | 7.1 | 10.9 | 1.8 | 83.6 |
| July | 0.5 | 7.9 | 9.7 | 12.0 | 3.8 | 36.8 | 0.8 | 3.0 | 22.2 | 4.6 | 101.4 |
| August | 3.2 | 55.8 | 5.9 | 9.5 | 4.9 | 3.4 | 0.0 | 3.3 | 4.8 | 2.1 | 93.0 |
| September | 1.2 | 31.1 | 7.1 | 22.8 | 16.8 | 5.3 | 0.5 | 0.9 | 2.3 | 0.5 | 88.5 |
| October | 2.4 | 13.2 | 7.6 | 8.0 | 11.1 | 25.2 | 0.5 | 6.9 | 12.2 | 18.2 | 105.1 |
| November | 4.7 | 12.2 | 5.3 | 9.7 | 11.2 | 8.5 | 0.5 | 0.1 | 3.0 | 7.9 | 63.0 |
| December | 2.8 | 8.1 | 8.3 | 7.0 | 6.0 | 7.3 | 1.0 | 0.8 | 0.6 | 1.7 | 43.6 |

DWELLINGS (no.)................ VALUE (\$'000) $\qquad$


| PRIVATE SECTOR |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 11951 | 1936 | 14032 | 1313512 | 222359 | 180632 | 1716504 | 708754 | 2425257 |
| 1999-2000 | 13050 | 2879 | 16054 | 1526462 | 410429 | 188252 | 2125143 | 444311 | 2569454 |
| 1999 |  |  |  |  |  |  |  |  |  |
| December | 1322 | 150 | 1506 | 151392 | 16388 | 14997 | 182778 | 35518 | 218295 |
| 2000 |  |  |  |  |  |  |  |  |  |
| January | 1024 | 212 | 1242 | 123918 | 22436 | 13666 | 160019 | 29750 | 189769 |
| February | 979 | 414 | 1415 | 109417 | 96688 | 14296 | 220401 | 34994 | 255394 |
| March | 1051 | 143 | 1199 | 134372 | 14780 | 13319 | 162470 | 26448 | 188918 |
| April | 763 | 218 | 982 | 89687 | 38173 | 12385 | 140245 | 43867 | 184112 |
| May | 944 | 347 | 1310 | 116777 | 63769 | 19839 | 200384 | 42879 | 243264 |
| June | 697 | 155 | 852 | 83655 | 16561 | 9046 | 109262 | 26414 | 135676 |
| July | 680 | 177 | 866 | 85846 | 19857 | 10835 | 116538 | 37833 | 154371 |
| August | 743 | 159 | 946 | 95175 | 19254 | 13085 | 127514 | 76094 | 203607 |
| September | 703 | 142 | 862 | 86970 | 15042 | 13570 | 115582 | 69253 | 184835 |
| October | 672 | 221 | 896 | 86470 | 21196 | 13567 | 121232 | 59050 | 180283 |
| November | 772 | 128 | 903 | 97285 | 14699 | 14911 | 126895 | 32333 | 159228 |
| December | 656 | 135 | 791 | 91388 | 21676 | 10182 | 123246 | 24236 | 147481 |


| PUBLIC SECTOR |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998-1999 | 151 | 398 | 549 | 12124 | 26592 | 5222 | 43938 | 145021 | 188959 |
| 1999-2000 | 197 | 554 | 775 | 18725 | 44618 | 4849 | 68191 | 389195 | 457386 |
| 1999 |  |  |  |  |  |  |  |  |  |
| December | 16 | 52 | 72 | 1490 | 4058 | 0 | 5547 | 13124 | 18671 |
| 2000 |  |  |  |  |  |  |  |  |  |
| January | 11 | 22 | 49 | 937 | 1408 | 517 | 2862 | 6429 | 9291 |
| February | 23 | 17 | 40 | 1620 | 1896 | 0 | 3516 | 45339 | 48855 |
| March | 13 | 42 | 55 | 940 | 3389 | 1285 | 5614 | 15592 | 21206 |
| April | 1 | 39 | 40 | 74 | 2023 | 810 | 2907 | 5057 | 7963 |
| May | 10 | 16 | 26 | 3208 | 1121 | 90 | 4418 | 66184 | 70602 |
| June | 91 | 205 | 296 | 7443 | 16686 | 0 | 24129 | 18534 | 42663 |
| July | 0 | 0 | 6 | 0 | 0 | 550 | 550 | 47471 | 48021 |
| August | 5 | 18 | 34 | 491 | 1751 | 1026 | 3267 | 2048 | 5315 |
| September | 4 | 17 | 21 | 547 | 1518 | 1317 | 3383 | 1152 | 4535 |
| October | 11 | 16 | 28 | 953 | 1561 | 360 | 2874 | 23826 | 26700 |
| November | 14 | 7 | 21 | 1361 | 635 | 0 | 1996 | 10275 | 12270 |
| December | 9 | 7 | 16 | 600 | 480 | 0 | 1080 | 8121 | 9201 |

## TOTAL

| 1998-1999 | 12102 | 2334 | 14581 | 1325636 | 248950 | 185854 | 1760441 | 853774 | 2614215 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999-2000 | 13247 | 3433 | 16829 | 1545187 | 455047 | 193101 | 2193335 | 833505 | 3026840 |
| 1999 |  |  |  |  |  |  |  |  |  |
| December | 1338 | 202 | 1578 | 152882 | 20446 | 14997 | 188325 | 48642 | 236967 |
| 2000 |  |  |  |  |  |  |  |  |  |
| January | 1035 | 234 | 1291 | 124854 | 23844 | 14183 | 162881 | 36179 | 199060 |
| February | 1002 | 431 | 1455 | 111037 | 98584 | 14296 | 223916 | 80333 | 304249 |
| March | 1064 | 185 | 1254 | 135312 | 18169 | 14603 | 168084 | 42040 | 210124 |
| April | 764 | 257 | 1022 | 89761 | 40196 | 13195 | 143152 | 48924 | 192076 |
| May | 954 | 363 | 1336 | 119985 | 64889 | 19929 | 204803 | 109063 | 313866 |
| June | 788 | 360 | 1148 | 91099 | 33246 | 9046 | 133391 | 44948 | 178339 |
| July | 680 | 177 | 872 | 85846 | 19857 | 11385 | 117088 | 85304 | 202392 |
| August | 748 | 177 | 980 | 95666 | 21004 | 14111 | 130781 | 78142 | 208922 |
| September | 707 | 159 | 883 | 87517 | 16561 | 14887 | 118964 | 70405 | 189369 |
| October | 683 | 237 | 924 | 87423 | 22757 | 13927 | 124107 | 82876 | 206983 |
| November | 786 | 135 | 924 | 98646 | 15334 | 14911 | 128891 | 42608 | 171499 |
| December | 665 | 142 | 807 | 91988 | 22156 | 10182 | 124326 | 32357 | 156682 |

DWELLINGS (no.)............ VALUE (\$'000) $\qquad$

|  |  |  |  |  |  | Alterations |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Statistical Area | New houses | New other residential building | Total dwellings(a) | New houses | New other residential building | and additions to residential buildings(b) | Total residential building | Nonresidential building | Total building |


| WESTERN AUSTRALIA | 2908 | 588 | 3506 | 379788 | 67627 | 49024 | 496440 | 211807 | 708247 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Perth (SD) | 2134 | 514 | 2655 | 278057 | 60246 | 39020 | 377323 | 157841 | 535164 |
| Central Metropolitan (SSD) | 115 | 112 | 228 | 35850 | 16698 | 11458 | 64005 | 52369 | 116375 |
| Cambridge (T) | 13 | 4 | 18 | 4942 | 400 | 3503 | 8844 | 245 | 9089 |
| Claremont (T) | 10 | 0 | 10 | 2438 | 0 | 1031 | 3470 | 5888 | 9357 |
| Cottesloe (T) | 4 | 0 | 4 | 1535 | 0 | 1918 | 3453 | 0 | 3453 |
| Mosman Park (T) | 9 | 0 | 9 | 3988 | 0 | 1042 | 5030 | 79 | 5109 |
| Nedlands (C) | 36 | 3 | 39 | 11498 | 318 | 1362 | 13178 | 23931 | 37109 |
| Peppermint Grove (S) | 2 | 0 | 2 | 771 | 0 | 484 | 1254 | 3400 | 4654 |
| Perth (C)-Inner | 0 | 0 | 0 | 0 | 0 | 88 | 88 | 9482 | 9570 |
| Perth (C)-Remainder | 8 | 94 | 102 | 4685 | 13413 | 0 | 18098 | 6260 | 24358 |
| Subiaco (C) | 20 | 11 | 31 | 4479 | 2567 | 766 | 7812 | 2564 | 10376 |
| Vincent (T) | 13 | 0 | 13 | 1514 | 0 | 1264 | 2778 | 520 | 3298 |
| East Metropolitan (SSD) | 367 | 15 | 384 | 40370 | 1043 | 5417 | 46830 | 36104 | 82934 |
| Bassendean (T) | 9 | 3 | 12 | 1475 | 271 | 986 | 2733 | 290 | 3023 |
| Bayswater (C) | 52 | 10 | 64 | 6731 | 630 | 1247 | 8607 | 3242 | 11849 |
| Kalamunda (S) | 44 | 2 | 46 | 5198 | 143 | 617 | 5957 | 2150 | 8108 |
| Mundaring (S) | 35 | 0 | 35 | 3955 | 0 | 979 | 4934 | 820 | 5754 |
| Swan (C) | 227 | 0 | 227 | 23011 | 0 | 1588 | 24599 | 29601 | 54200 |
| North Metropolitan (SSD) | 686 | 297 | 984 | 87563 | 24971 | 8579 | 121113 | 15234 | 136347 |
| Joondalup (C)-North | 111 | 106 | 217 | 14672 | 10480 | 514 | 25666 | 2109 | 27775 |
| Joondalup (C)-South | 35 | 12 | 47 | 7455 | 1292 | 2439 | 11187 | 1010 | 12197 |
| Stirling (C)-Central | 94 | 20 | 114 | 12842 | 1665 | 939 | 15446 | 6248 | 21694 |
| Stirling (C)-Coastal | 87 | 36 | 123 | 12730 | 3710 | 2484 | 18923 | 1161 | 20084 |
| Stirling (C)-South-Eastern | 45 | 9 | 54 | 4651 | 500 | 1077 | 6228 | 1237 | 7466 |
| Wanneroo (C)-North-East | 91 | 0 | 91 | 9690 | 0 | 200 | 9890 | 0 | 9890 |
| Wanneroo (C)-North-West | 154 | 114 | 268 | 17712 | 7325 | 116 | 25152 | 2113 | 27265 |
| Wanneroo (C)-South | 69 | 0 | 70 | 7811 | 0 | 810 | 8621 | 1356 | 9977 |
| South West Metropolitan (SSD) | 484 | 44 | 530 | 59745 | 13093 | 6897 | 79735 | 25899 | 105634 |
| Cockburn (C) | 162 | 6 | 168 | 16827 | 593 | 891 | 18312 | 7555 | 25866 |
| East Fremantle (T) | 3 | 0 | 3 | 536 | 0 | 753 | 1289 | 0 | 1289 |
| Fremantle (C)-Inner | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fremantle (C)-Remainder | 19 | 32 | 51 | 3272 | 12000 | 1287 | 16559 | 3806 | 20365 |
| Kwinana (T) | 32 | 0 | 32 | 2912 | 0 | 265 | 3177 | 196 | 3373 |
| Melville (C) | 110 | 6 | 118 | 20533 | 500 | 3131 | 24164 | 12887 | 37051 |
| Rockingham (C) | 158 | 0 | 158 | 15666 | 0 | 569 | 16235 | 1455 | 17690 |
| South East Metropolitan (SSD) | 482 | 46 | 529 | 54530 | 4440 | 6669 | 65639 | 28235 | 93874 |
| Armadale (C) | 29 | 0 | 29 | 3488 | 0 | 670 | 4158 | 7211 | 11369 |
| Belmont (C) | 50 | 29 | 79 | 6141 | 2536 | 508 | 9184 | 1731 | 10916 |
| Canning (C) | 147 | 0 | 148 | 13924 | 0 | 1981 | 15906 | 8788 | 24694 |
| Gosnells (C) | 145 | 0 | 145 | 14676 | 0 | 580 | 15255 | 4951 | 20206 |
| Serpentine-Jarrahdale (S) | 30 | 0 | 30 | 3564 | 0 | 452 | 4016 | 1500 | 5516 |
| South Perth (C) | 36 | 5 | 41 | 7109 | 955 | 2064 | 10128 | 1214 | 11342 |
| Victoria Park (T) | 45 | 12 | 57 | 5629 | 949 | 414 | 6992 | 2840 | 9832 |
| South West (SD) | 445 | 22 | 468 | 60393 | 2464 | 5353 | 68211 | 19814 | 88025 |
| Dale (SSD) | 166 | 9 | 176 | 19840 | 676 | 1747 | 22263 | 1968 | 24231 |
| Boddington (S) | 1 | 0 | 1 | 78 | 0 | 114 | 192 | 0 | 192 |
| Mandurah (C) | 136 | 9 | 146 | 17091 | 676 | 1455 | 19222 | 1758 | 20980 |
| Murray (S) | 20 | 0 | 20 | 1838 | 0 | 98 | 1936 | 210 | 2146 |
| Waroona (S) | 9 | 0 | 9 | 833 | 0 | 80 | 913 | 0 | 913 |
| Preston (SSD) | 135 | 7 | 142 | 16567 | 1096 | 1518 | 19181 | 6758 | 25940 |
| Bunbury (C) | 34 | 5 | 39 | 5301 | 860 | 728 | 6889 | 1866 | 8755 |
| Capel (S) | 48 | 0 | 48 | 5976 | 0 | 433 | 6409 | 661 | 7070 |
| Collie (S) | 5 | 2 | 7 | 652 | 236 | 20 | 908 | 95 | 1003 |
| Dardanup (S) | 16 | 0 | 16 | 1468 | 0 | 140 | 1609 | 697 | 2305 |
| Donnybrook-Balingup (S) | 4 | 0 | 4 | 354 | 0 | 51 | 405 | 2400 | 2805 |
| Harvey (S) | 28 | 0 | 28 | 2815 | 0 | 146 | 2961 | 1041 | 4002 |




DWELLINGS (no.)..............
VALUE (\$'000) $\qquad$
$\qquad$

$\qquad$

| Statistical Area | New houses | New other residential building | Total dwellings(a) | New houses | New other residential building | Alterations and additions to residential buildings(b) | Total residential building | Nonresidential building | Total building |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Greenough River (SSD) | 45 | 14 | 59 | 5081 | 938 | 758 | 6776 | 5867 | 12644 |
| Carnamah (S) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 420 |
| Chapman Valley (S) | 2 | 0 | 2 | 127 | 0 | 0 | 127 | 0 | 127 |
| Coorow (S) | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 0 | 31 |
| Geraldton (C) | 7 | 14 | 21 | 938 | 938 | 394 | 2269 | 4926 | 7195 |
| Greenough (S) | 15 | 0 | 15 | 1899 | 0 | 162 | 2061 | 60 | 2121 |
| Irwin (S) | 6 | 0 | 6 | 773 | 0 | 57 | 829 | 93 | 922 |
| Mingenew (S) | 1 | 0 | 1 | 75 | 0 | 0 | 75 | 0 | 75 |
| Morawa (S) | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 243 | 253 |
| Mullewa (S) | 0 | 0 | 0 | 0 | 0 | 30 | 30 | 0 | 30 |
| Northampton (S) | 14 | 0 | 14 | 1270 | 0 | 75 | 1344 | 125 | 1469 |
| Perenjori (S) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Three Springs (S) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pilbara (SD) | 31 | 0 | 31 | 4855 | 0 | 243 | 5098 | 1844 | 6942 |
| De Grey (SSD) | 11 | 0 | 11 | 918 | 0 | 97 | 1016 | 0 | 1016 |
| East Pilbara (S) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Port Hedland (T) | 11 | 0 | 11 | 918 | 0 | 97 | 1016 | 0 | 1016 |
| Fortescue (SSD) | 20 | 0 | 20 | 3937 | 0 | 146 | 4083 | 1844 | 5926 |
| Ashburton (S) | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 0 | 20 |
| Roebourne (S) | 20 | 0 | 20 | 3937 | 0 | 126 | 4063 | 1844 | 5906 |
| Kimberley (SD) | 41 | 2 | 44 | 6626 | 237 | 314 | 7177 | 7906 | 15083 |
| Ord (SSD) | 7 | 0 | 7 | 1271 | 0 | 58 | 1329 | 50 | 1379 |
| Halls Creek (S) | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 |
| Wyndham-East Kimberley (S) | 7 | 0 | 7 | 1271 | 0 | 58 | 1329 | 50 | 1379 |
| Fitzroy (SSD) | 34 | 2 | 37 | 5356 | 237 | 256 | 5849 | 7856 | 13704 |
| Broome (S) | 19 | 0 | 20 | 3204 | 0 | 205 | 3409 | 6284 | 9692 |
| Derby-West Kimberley (S) | 15 | 2 | 17 | 2152 | 237 | 51 | 2440 | 1572 | 4012 |

(a) Includes conversions and dwelling units
approved as part of alterations and additions or
the construction of non-residential buildings.
(b) Refer to Explanatory Notes paragraph 18.

## EXPLANATORYNOTES

INTRODUCTION

SCOPE AND COVERAGE

1 This publication presents monthly details of building work approved.
2 Statistics of building work approved are compiled from:

- permits issued by local government authorities and other principal certifying authorities;
- approvals issued by the Rural Housing Authority in areas not subject to building control by local government authorities;
- contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities;
- major building approvals in areas not subject to normal administrative approval e.g. building on remote mine sites.

3 The scope of the survey comprises the following activities:

- construction of new buildings;
- alterations and additions to existing buildings;
- approved non-structural renovation and refurbishment work;
- approved installation of integral building fixtures.

4 From July 1990, the statistics include:

- all approved new residential building valued at $\$ 10,000$ or more;
- approved alterations and additions to residential building valued at $\$ 10,000$ or more;
- all approved non-residential building jobs valued at $\$ 50,000$ or more.

5 Excluded from the statistics is construction activity not defined as building (e.g. roads, bridges, railways, earthworks, etc.). Statistics for this activity can be found in Engineering Construction Activity, Australia (Cat. no. 8762.0).

6 Statistics on the value of building work approved are derived by aggregating the estimated 'value of building work when completed' as reported on building approval documents provided to local councils or other approval authorities. Conceptually these data should exclude the value of land and landscaping but include site preparation costs. These estimates are usually a reliable indicator of the completed value of 'houses'. However, for 'other residential buildings' and 'non-residential buildings', they can differ significantly from the completed value of the building as final costs and contracts have not been established before council approval is sought and gained.

7 The ABS generally accepts values provided by approving bodies. Every effort is made to ensure data are provided on a consistent basis, however, there may be instances where value reported does not reflect the building completion value. For example, the reported value for most project homes is the contract price, which may include the cost of site preparation and landscaping. In other cases where a builder is contracted to construct a dwelling based on the owner's plans, the value may only be the builder's costs. Some councils do not use the value on approval documents, instead deriving a value based on floor area and type of structure.

8 From July 2000, value data includes the Goods and Services Tax (GST) for residential and non-residential building approvals. The ABS has consulted with councils and other approving authorities to ensure that approval values are reported inclusive of GST.

## VALUE DATA continued

OWNERSHIP

BUILDING CLASSIFICATIONS

9 However, it is not certain that at present the GST is being reflected in all values. In particular, councils that use floor area calculation to derive a value may not have amended their formulae to take account of the GST and other price changes. Where it has been identified by a council or other approving authority that approvals submitted from its jurisdiction are on a GST-exclusive basis, the ABS has made adjustments to the data to ensure that values are consistent with other data collected and are inclusive of GST.

10 As building work approved before 1 July 2000 attracted GST on that portion of the work not completed by 30 June it is likely, but not certain, that the value reported on approvals documents submitted before 30 June included the GST.

11 Building ownership is classified as either public or private sector and is based on the sector of intended owner of the completed building at the time of approval. Residential buildings constructed by private sector builders under government housing authority schemes are classified as public sector when the authority has contracted, or intends to contract, to purchase the building on or before completion.

12 Building approvals are classified both by the Type of Building (e.g. 'house', 'factory') and by the Type of Work involved (e.g. 'new', 'alterations and additions' and 'conversions'). These classifications are often used in conjunction with each other in this publication and are defined in the Glossary.

13 The Type of Building classification refers to the intended major function of a building. A building which is ancillary to other buildings or forms a part of a group of related buildings is classified to the function of the specific building, not to the function of the group as a whole.

14 An example of this rule is the treatment of work approved for a factory complex. For instance, a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while the factory buildings would be classified Factories.

15 An exception to this rule is the treatment of group accommodation buildings. For example, a student accommodation building on a university campus would be classified to Education.

16 In the case of a large multi-function building, which at the time of approval is intended to have more than one purpose (e.g. a hotel/shops/casino project), the ABS endeavours to split the approval details according to each main function.
17 Where this is not possible because separate details cannot be obtained, the building is classified to the predominant function of the building on the basis of the function which represents the highest proportion of the total value of the project.

18 The Type of Work classification refers to the building activity carried out. Conversion jobs are shown separately in tables 5 and 6 . However, in other tables they are included within existing categories, as follows: in tables $1,2,11$ and 12 they are included in the appropriate Type of Building category, and in tables 3, 4, 11 and 12 they are included in the 'Alterations and additions to residential buildings' category.

19 Seasonal adjustment is a means of removing the estimated effects of seasonal variation from the series so that the effects of other influences can be more clearly recognised.

20 In the seasonal adjustment of series, account has been taken of both normal seasonal factors and 'trading day' effects arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month. Adjustment has also been made for the influence of Easter which may affect the March and April estimates differently.

21 Seasonal adjustment does not remove from the series the effect of irregular or non-seasonal influences (e.g. the approval of large projects or a change in the administrative arrangements of approving authorities).

22 Some of the component series have been seasonally adjusted independently. Therefore, the adjusted components may not add to the adjusted totals.

23 As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's data. The timing of this review may vary and when appropriate will be notified in the 'Data Notes' section of this publication.

24 Smoothing seasonally adjusted series reduces the impact of the irregular component of the seasonally adjusted series and creates trend estimates. For monthly series, these trend estimates are derived by applying a 13-term Henderson-weighted moving average to all months of the 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 series. For further information, see Information Paper: A Guide to Interpreting Time Series-Monitoring 'Trends': an Overview (Cat. no. 1348.0) or contact the Assistant Director, Time Series Analysis on Canberra 0262526076.

25 While the smoothing techniques described in paragraph 24 enable trend estimates to be produced for the latest few periods, they do result in revisions to the trend estimates as new data becomes 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.

26 The chain volume measures appearing in this publication are annually re-weighted chain Laspeyres indexes referenced to current price values in a chosen reference year. The reference year will be updated annually in the September publication. While current price estimates reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes. The direct impact of the GST is a price change, and hence is removed from the chain volume estimates.

27 Further information on the nature and concepts of chain volume measures is contained in the ABS publication Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts (Cat. no. 5248.0).

28 Area statistics are now being classified to the Australian Standard Geographical Classification (ASGC), 2000 Edition (Cat. no. 1216.0), effective from 1 July 2000, and ASGC terminology has been adopted in the presentation of building statistics.

## EXPLANATORYNOTES

29 The ABS can also provide some unpublished building approvals data. At Statistical Local Area and Collection District, this includes new houses, floor area, material of outer wall, floor and roof. A charge may be made for providing unpublished data.

30 Users may also wish to refer to the following publications:

- Building Activity, Australia (Cat. no. 8752.0)
- Building Activity, Australia: Dwelling Unit Commencements (Cat. no. 8750.0)
- Building Activity, Building Work Done, Australia (Cat. no. 8755.0)
- Building Activity, Western Australia (Cat. no. 8752.5)
- Building Approvals, Australia (Cat. no. 8731.0)
- Engineering Construction Activity, Australia (Cat. no. 8762.0)
- House Price Indexes: Eight Capital Cities (Cat. no. 6416.0)
- Housing Finance for Owner Occupation, Australia (Cat. no. 5609.0)
- Price Index of Materials Used in Building Other than House Building, Six State Capital Cities (Cat. no. 6407.0).
- Price Index of Materials Used in House Building, Six State Capital Cities (Cat. no. 6408.0)

31 While building approvals value series are shown inclusive of GST, this is different to the value series shown in the Building Activity publications (Cat. nos 8752.0, 8752.1 and 8755.0), in which residential work will be published inclusive of GST and non-residential work exclusive of GST. In the Engineering Construction Activity, Australia (Cat. no. 8762.0) all values will exclude GST.

32 When figures have been rounded, discrepancies may occur between sums of the component items and totals.
n.a. not available
n.y.a. not yet available

C City
S Shire
SD Statistical Division
SSD Statistical Subdivison
T Town

## Alterations and additions <br> Alterations and additions to residential buildings

Building activity carried out on existing buildings. Includes adding to or diminishing floor area, altering the structural design of a building and affixing rigid components which are integral to the functioning of the building.

Alterations and additions carried out on existing residential buildings, which may result in the creation of new dwelling units. See also Explanatory Notes paragraph 18.

Building A building is 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 is the provision for regular access by persons in order to satisfy its intended use.

## Conversion

Building activity which converts a non-residential building to a residential building, e.g. conversion of a warehouse to residential apartments. Conversion is considered to be a special type of alteration, and these jobs have been separately identified as such from the July 1996 reference month, though they have only appeared separately in this publication from the May 1998 issue. Prior to that issue, conversions were published as part of the 'Conversions, etc.' category or included elsewhere within a table. Prior to July 1996, table 5 includes the number of Conversions in the 'Alterations and additions to residential buildings' category while table 6 includes the value of Conversions in the 'Alterations and additions to residential buildings, creating dwellings' category. See also Explanatory Notes paragraph 18.

Dwelling unit
A dwelling unit is a self-contained suite of rooms, including cooking and bathing facilities and intended for long-term residential use. Regardless of whether they are self-contained or not, units within buildings offering institutional care (e.g. hospitals) or temporary accommodation (e.g. motels, hostels and holiday apartments) are not defined as dwelling units. Such units are included in the appropriate category of non-residential building approvals. Dwelling units can be created in one of four ways: through new work to create a residential building; through alteration/addition work to an existing residential building; through either new or alteration/addition work on non-residential building or through conversion of a non-residential building to a residential building.

## Educational

Entertainment and recreational

Factories
Flats, units or apartments

Health

Hotels, motels and other short term accommodation

House A house is a detached building primarily used for long term residential purposes. It consists of one dwelling unit. For instance, detached 'granny flats' and detached dwelling units (e.g. caretakers residences) associated with a non-residential building are defined as houses.

| Miscellaneous | Includes justice and defence buildings, welfare and charitable homes, prisons and <br> reformatories, maintenance camps, farming and livestock buildings, veterinary <br> clinics, child-minding centres, police stations and public toilets. |
| ---: | :--- |
| New building work | Building activity which will result in the creation of a building which previously <br> did not exist. |
| New other residential |  |
| buildings | Building activity which will result in the creation of a residential building other <br> than a house, which previously did not exist. |
| New residential | Building activity which will result in the creation of any residential building <br> (house or other residential) which previously did not exist. |
| Non-residential building | A non-residential building is primarily intended for purposes other than long <br> term residential purposes. Note that, on occasions, one or more dwelling units <br> may be created through non-residential building activity. Prior to the May 1998 |
| issue of this publication, they have been included in the 'Conversions, etc.' |  |
| column in tables showing dwelling units approved. They are now identified |  |
| separately (e.g. see table 5). However, the value of these dwelling units cannot be |  |

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CPI INFOLINE For current and historical Consumer Price Index data, call 1902981074 (call cost 77c per minute).

DIAL-A-STATISTIC For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900986400 (call cost 77c per minute).

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[^2]
[^0]:    (a) See Glossary for definition.

[^1]:    (a) Reference year for chain volume measures is
    (b) Refer to Explanatory Notes paragraph 18.

[^2]:    © Commonwealth of Australia 2001

