### Western Australia

CATALOGUE NO. 8752.5 EMBARGOED UNTIL 9.30 A.M. 7 APRIL 1994





# BUILDING ACTIVITY, WESTERN AUSTRALIA DECEMBER QUARTER 1993

#### SUMMARY OF FINDINGS

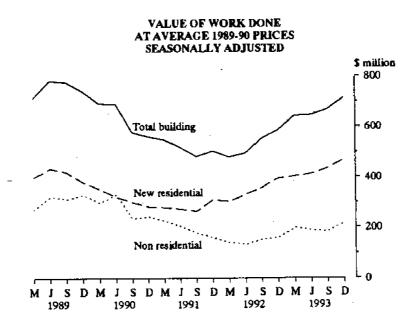
Value of building work done at average 1989-90 prices, seasonally adjusted

	Percentago	e change on
	Sept. quarter 1993	Dec. quarter 1992
New residential building Alterations and additions	7.2	18.4
to residential buildings	-12.0	_
Non-residential building	18.2	35.9
Total building	6.9	21.9

Expressed in seasonally adjusted, average 1989-90-prices
the total value of building work done for the December
quarter 1993 was \$713.8 million, 6.9% higher than the
September quarter figure. The December figure was the
highest since that for the December quarter 1989 (\$741.2)

million) and the seventh consecutive increase in this statistical series.

- The \$468.2 million recorded for new residential building work done was 7.2% higher than the previous quarter's figure, the highest level since the statistical series began with the September quarter 1980 and the seventh consecutive increase. However residential alterations and additions fell 12.0% from the series high point achieved for the September quarter to be \$38.3 million for the December quarter.
- The value of non-residential building work done rose by 18.2% following small falls in the previous 2 quarters. The December quarter figure of \$216.2 million was last exceeded in March 1991 when \$225.8 million was recorded.



#### **INQUIRIES**

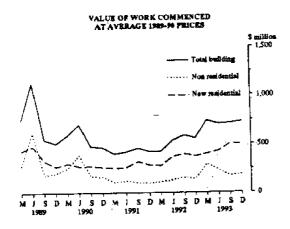
- for more information about statistics in this publication and the availability of related unpublished statistics, contact Colin Speechley on Adelaide (08) 237 7495 or any ABS State Office.
- for information about other ABS statistics and services please refer to the back of this publication.

#### **SUMMARY OF FINDINGS** - continued

# Value of building work commenced at average 1989-90 prices

	Percentage	change on
	Sept.quarter 1993	Dec. quarter 1992
New residential building	-1,4	32.1
Alterations and additions to residential buildings Non-residential building	19.0 10.3	3.2 35.1
Total building	2.5	30.8

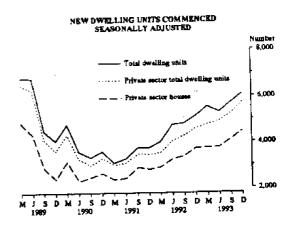
- Expressed in average 1989-90 prices (but not seasonally adjusted) the total value of building work commenced during the December quarter 1993 was \$728.7 million, only slightly higher than the September quarter figure but 30.8% higher than the December quarter figure for the previous year.
- The December quarter new residential commencements figure of \$495.4 million was not significantly different from the September quarter figure of \$502.5 million which was the highest level recorded since this statistical series began with the September quarter 1969.
- Non-residential commencements recovered some lost ground after 2 successive falls by increasingly 10.3% to be \$191.3 million for the December quarter. Residential alterations and additions rose to \$42.0 million.



# Number of dwelling units commenced, seasonally adjusted

	Percentage	e change on
	Sept. quarter 1993	Dec. quarter 1992
Private sector houses	9.1	19.9
Private sector dwelling units	9.1	24.1
Total dwelling units	6.8	18.8

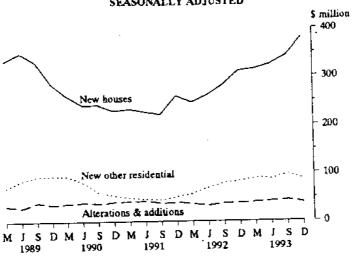
- In seasonally adjusted terms the estimate of the total number of dwelling units commenced during the December quarter 1993 was 6,103 which was 6.8% higher than the September quarter figure and the highest level since 6,775 were recorded for the June quarter 1989.
- For both private sector houses and private sector dwelling units there was a 9.1% increase over the September quarter. The figure of 4,482 for private sector houses was the highest since the 4.874 recorded for the March quarter 1989. For private sector dwelling units the December quarter figure of 5,721 was the highest since the June quarter 1989 figure of 6,292.



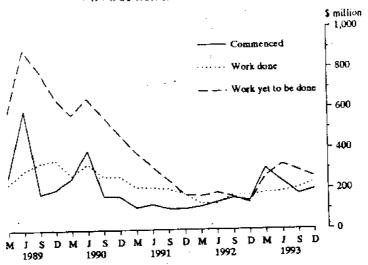
#### Original unadjusted data

- The total value of building work commenced (unadjusted, at current prices) during the December quarter 1993 was \$698.1 million. Of this, \$463.6 million was for new residential building resulting in 5,978 dwelling units.
- The total value of work done during the December quarter was \$722.3 million while the value of work yet to be done on jobs under construction at the end of the quarter was \$697.7 million.

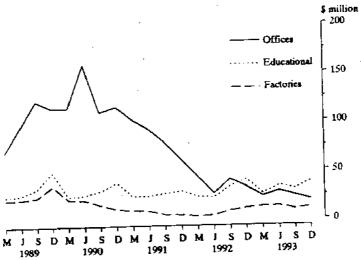
#### VALUE OF RESIDENTIAL WORK DONE AT AVERAGE 1989-90 PRICES SEASONALLY ADJUSTED



## VALUE OF NON-RESIDENTIAL BUILDING.



# VALUE OF NON-RESIDENTIAL WORK DONE



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House   Observed for the back of the bac																				
Manufold of State   Authority   Authorit		Houses		Other resides	ntial	Total							Non-residi	ential build	Ser.					
COMMANCRED	Period	Mumber of dwelling smils		Number of dwelling sories	Value (3m)	Number of dwelling amits	·	Alterations and additions to residential buildings	Hotels etc.		1		Other business premises	Educa- Nonal	Reti-	4	taler- lainment and recrea- tional	Miscel- laneous	Total	Total building
								υ 	OMMENC	ED C								İ	-	
12.279   914.1   6044   2313   16.373   14.974   1186   113   691   19	To Green	913 111	784.7	1.050	206.3	13.378	990.5	131.8	23.9	17.1	36.5	1547	₹86	8 R 3	7.0	. 22.7	3.7°	6 g	574.9	1.697 2
15011   1,344   5,776   3416   20,796   1429   128   2128   417   1178   600   1547   1100   811     1507   276.2   1555   86.5   5,522   342.6   124   42   281   76   31.2   118   31.2   68   79     1508   3,704   266.9   1,324   766   5,028   143.5   31.4   12   11.2   11.2   11.8   31.0   68   19     1508   3,704   266.9   1,324   766   5,028   134.5   31.4   12   11.2   11.1   11.2   11.8   11.2   11.8     1508   3,104   1,445   86.3   5,109   3114   382   27   697   109   20.2   21.3   13.3   19   20.4     1509   3,104   1,445   86.3   5,109   31.4   482   31.4   69   31.6   31.4   20.2   21.3   31.3   19   20.4     1509   3,447   1,481   1,441   5,996   5,124   64.7   13.1   31.1   31.2   31.4   20.4     1509   4,442   3447   1,381   1,441   5,996   5,144   64.7   13.1   31.1   31.2   31.2   31.4   20.4      1509   4,447   2,431   1,441   5,996   5,142   64.7   13.1   31.1   31.2   31.2   31.4      1509   4,447   2,431   1,441   5,996   5,142   64.7   11.3   31.1   31.2   31.4   31.4      1509   4,447   2,431   1,441   5,996   5,142   64.7   11.3   31.1   31.2   31.2   31.4      1509   4,447   2,431   1,441   5,996   5,142   64.7   11.3   31.2   31.2   31.4      1509   4,447   2,441   2,441   1,442   1,442   1,14   31.4   31.4   31.4      1509   4,447   2,441   3,441   4,44	16-046	12,279	914.1	4,044	233.3	16.323	1,147.4	118.6	113	69	<del>4</del>	7 8 P	62.3	1076	F - :	Z 3	33.0	7 5	<b>16</b> 2.3	7,440.0
3677   276.2   1535   86.5   5322   342.6   324   4.2   281   76   81.2   118   31.2   68   79     3,561   279.1   1,458   92.3   5,109   314.4   351   32   101.4   140   12.1   151   189   0.5   1.0     4,542   36.1   1,418   82.3   5,419   384   4.68.2   31.4   6.9   31.6   9.3   147   22.6   22.8   1.9   28.4     4,542   36.1   1,516   98.9   5,978   46.05   31.4   6.9   31.6   9.3   147   22.6   22.8   1.0     4,542   36.1   1,516   98.9   5,978   46.05   31.4   6.9   31.6   9.3   147   22.6   22.8   1.0     4,542   36.1   1,516   98.9   5,978   46.05   31.4   6.9   31.0   9.3   147   22.6   22.8   1.0     4,542   36.1   1,516   98.9   5,978   46.05   31.3   41.1   31.1   31.1   31.1   31.1   31.1   31.1     4,085   44.07   2,539   18.4   7.3   5.0   5.0   11.3   42.1   11.3   11.1   31.1   31.1   31.1   31.1   31.1   31.1     5,396   44.07   2,539   18.4   7.3   2.3   4.4   7.3   4.4   7.3   4.4   7.3   4.4     5,397   44.07   2,531   18.17   8.256   6.684   5.9   6.4   178.1   1.0   1.0   1.0   1.0     5,397   44.07   2,531   18.17   8.256   6.84   5.9   4.1   1.24   2.1   2.1   2.0   4.1   1.0     5,397   44.07   2,591   1.0   2.2   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1     5,397   44.07   2,591   1.0   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1     5,397   44.07   2,591   1.0   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1   2.1     5,397   44.07   2,591   1.0   2.1	1992-93	110,21	1,134.3	5,778	341.6	20,789	1,475.9	142.9	12.8	212.8	43.7	178	0.69	747	10.0		ŝ	·	1.740	2
1,004   2669   1,245   6023   5109   5114   515   20   1014   140   182   189   523   18   644   69   316   316   316   316   318   312   1418   323   319   3174   318   31		***	ć	777	3 78	433	3636	17.4	4.2	1 87	16	31.2	11.8	31.2	99	7.9	) ()	8. 2.	157.7	552.8
1,561   2791   1,458   923   5,109   3714   351   20   1014   140   182   189   523   08   554     3,978   3121   1,441   863   5,419   3984   388   57   607   109   262   225   233   313   313   19   294     4,462   3647   1,516   989   5,478   4882   314   64   114   104   147   226   226   237   148     4,462   3,417   1,516   989   5,978   4882   314   314   304   294   142   244     4,115   3,721   1,881   1,441   5,946   5,678   649   472   113   7,110   696   794   31   244     4,115   3,721   1,881   1,441   5,946   5,162   668   4   178   113   131   241   241   241     4,115   3,721   1,881   1,441   5,946   5,162   668   4   1,783   164   1,783   164   297   207   207     5,197   4,477   2,831   1,837   8,226   6484   594   64   1,783   164   207   207   207   207     5,197   4,477   2,831   1,837   8,226   684   594   64   1,783   164   207   246   247     5,197   4,477   2,831   1,837   8,226   684   594   64   1,783   164   207   246   247     6,400   5955   2,935   2,946   1,535   4,947   2,947   1,487   1,494   247   247     11,135   9,947   3,949   3,	1992 Sept. qtr Dec. qtr	3.677	2,40.2 266.9	1,335	76.6	5,028	343.5	36.5	8.6	13.7	11.2	. 1 <b>č</b> t	15.1	6.81	6.5	1-0	15.8	22.7	7	524.3
1,556   2791   1,458   923   5,419   3144   351   2.0   104   105   213   313   19   289   4,42   3647   1,645   1065   6,214   4482   124   69   316   91   147   226   228   16   297   248   4,42   3647   1,545   1,545   1,445	<u>.</u>						į	ì	,	7	9	2	2	40.1	9	45.4	30.5	0X	303.5	7100
4.51 36.7 1.683 1065 5.414 486	1993 Mar qu	159.8	279.1	1.458	92.3	801.5	3/1.4	10.6	) r	+ 107 + 107	2 5	. 4		1 1	<b>*</b>	e X	24.8	8 5	236.6	673 8
4,511 3617 1,683 1,062 5,024 4064 2,52 5,64 0 134 204 204 142 2,4 2,2 2 4,402 3647 1,516 989 5,978 6,516 5,5 8,5 640 154 204 204 142 2,4 2,2 2 4,115 3721 1,881 1441 5,996 5162 6,65 M3 827 113 7310 696 799 37 43 4,535 4447 2,831 1837 8,226 6684 594 64 1783 169 397 312 907 8 3 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	June qtr	3,978	312.1	4.	<b>2</b>	514'5	398	8.84 4.04		7.62	2 2	1.0.2	3 6		<u>.</u>	29.7	13.3	27.6	177.0	6776
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4,115   372.1   1,881   1441   5,996   516.2   665   263   82.7   133   7310   696   79.9   37   43   43.5   44.7   2,831   183.7   8,226   6,68.4   59.4   6.4   178.3   18.7   13.1   2.99   7.2   13.1   2.94   13.1   2.99   7.2   13.1   2.94   13.1   2.99   7.2   13.1   2.94   13.1   2.99   7.2   13.1   2.94   13.1   13.1   2.99   7.2   13.1   2.94   13.1   2.99   7.2   13.1   2.94   13.1   2.94   2.94   2.95	Dec. qtr	4,462	36.7	1,516	<b>6</b>	2,978	463.0	¥85	6	2	5	5		-	i		.			
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4,795 4663 2,539 185.4 7,334 580.5 50.5 13.2 44.2 131 231.2 39.7 98.4 4.2 33. 81 5.39 44.7 2,831 183.7 8,226 668.4 59.4 64 178.3 169 9 32.5 13.3 55.7 15.5 242.2 36.8 10.22 10.2 35. 5,197 4376 2,92.2 215.2 8,119 652.8 54.6 6.1 31.8 21.2 250.5 33.3 81.1 76 2.2 5,395 48.4 7 2,831 183.7 8,226 668.4 59.4 6.4 178.3 16.9 39.7 32.9 10.7 8 33.8 81 76 6.2 5,395 48.4 7 2,831 183.7 8,226 668.4 59.4 6.4 178.3 16.9 39.7 32.9 10.7 8 33.8 81 7 6.2 5.3 5 6.2 8 2 5.9 5 6.8 8 2.2 5.3 5 80.1 9 5.3 5 14.8 18.7 16.7 29.3 51.7 10.7 13.7 10.8 13.8 11.4 11.5 11.5 11.5 11.5 11.5 11.5 11.5	147 0000	4115	177	1 88.1	=	5.9%	516.2	586	24.3	82.7	133	1330	9.69	6.67	3.7	424	54.9	5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5	1,1743	1,757.0
\$ 5395 4847 2831 183.7 8,226 6684 594 64 178.3 169 397 32.9 1078 33 881 5395 4847 2181 183.7 8,226 6684 594 64 178.3 169 212 2505 33.3 81 10.2 10.2 35 2395 4847 285 219.8 8,581 6999 52.5 113 557 155 232.2 260.8 13.3 811 76 23 539 8,796 7291 583 47 1749 214 492 236 883 66 6 5 2392 5698 2885 196.5 9,177 766.3 53.5 142 218.7 164 39.7 30.7 416 1171 37 100 11.385 944.3 2595 240.6 15,344 1,144.9 143.5 118 949 59.3 2031 112.5 1175 56 71 44 12.3 11.39 89.2 7 345.5 14.9 14.4 14.5 14.5 14.5 14.5 14.5 14.5 14.5	[6-086]	4 795	405 3	2.539	185.4	7.334	590.5	50.5	13.2	44.2	. 133	231.2	75.7	# X5	4 2	34.7	33.7		35.	3,000
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5,516 4802 3,065 219 8 8,581 0999 3,513 133 118 212 2505 333 811 76 22 5,530 4892 3,166 239 8,796 7291 383 47 1249 214 492 2505 333 811 76 22 5,530 4892 2152 2152 8,119 6528 546 61 118 118 118 118 118 118 118 118 118					;		4	5	=	7. 3.3	3 3 1	5 51 5	ş	( (0)	101	17.1	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.16	630.0	1,382.4
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5,395 4847 2,8166 2399 8,796 7291 58.3 47 1249 234 49.2 236 88.1 66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Dec qu	5.197	437.6		715.7	6 1.80	637.6		6	9	<del>,</del>		)	;						
F 6.295	1000 Mar. ore	\$ 630	489.7		239.9	8,796	1.827	58.3	17	124.9	23.4	44 7	23.6	86.1	99	1.79	47.3	919	99.	1.284.0
Tight 6,292 5608 2885 196.5 9,177 766.3 53.5 10.8 1876 13.2 30.7 416 1171 37 100 40.5 5608 2.935 206.4 9,535 801.9 53.5 14.2 218.7 16.7 29.3 51.5 83.3 4.0 12.2 11.385 944.3 3.959 240.6 15,344 1,144.9 143.5 13.8 98.9 59.3 203.1 112.5 117.5 56 2.1 4.368 1.064.0 5,436 343.5 19.804 1,407.5 13.7 12.7 13.8 98.9 59.3 203.1 112.5 117.5 56 2.1 4.4 4.0 11.3 11.9 1,467 83.7 256.4 31.7 2.7 15.8 5.4 18.7 14.8 261 0.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	hine off	500.5	17		183.7	8,226	668.4		6.4	178.3	16.4	39.7	32.9	1078	33	<u>~</u>	57.1	0.12	91/6	1,502.4
TOMPLITTO  11.385 94443 595.5 2.935 206.4 9.535 801.9 53.5 14.2 218.7 16.7 29.3 51.5 833 4.0 12.  11.539 892.7 3.377 195.5 14,916 1.088.2 139.6 216 915 19.1 6116 97.7 916 7.1 4.4 1.144.9 143.5 137.0 18.0 77.7 42.3 313.2 76.0 130.5 12.3 3 3 4.0 12.3 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0		6.292	30,00		196.5	4,177	766.3	53.5	108	187.45	13.2	30.7	4 6	117.1	3.3	Z :	6 6 6 6	7 7	9.99	1,436.4
TOMPLETED  11,385 9443 3,959 240.6 15,344 1,144.9 143.5 138 98.9 59.3 203.1 112.5 1375 56 2 11,539 892.7 3,377 195.5 14,916 1,088 2 139.6 216 915 191 6116 977 916 7.1 4 11,538 1,064 0 5,436 343.5 19,804 1,407.5 137.0 18 0 77.7 42.3 313.2 76.0 130.5 12.3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Decem	909'9	595.5		206.4	9,535	801.9		14.2	218.7	167	29.3	515	£33	2	9 67	, e	٠ و	1.670	1,470.
11.385         94443         3.959         240.6         15,344         1,144.9         143.5         138         98.9         59.3         203.1         11.25         137.5         56         2           11.539         892.7         3.377         195.5         14,916         1,088.2         196         216         915         191         6116         977         916         7.1         4           14.368         1,0640         5,436         343.5         19,804         1,407.5         137.0         180         77.7         42.3         313.2         76.0         130.5         12.3         3           1. qtr         2,942         202.6         1,015         53.8         3,957         256.4         31.7         2.7         15.8         5.4         18.7         14.8         26.1         0.9           1. qtr         4,011         311.9         1,467         83.7         5,478         395.6         34.9         10.6         37.0         7.1         34.6         18.5         41.3         3.0         1           1. qtr         4208         228.2         1,205         67.7         4,413         295.9         39.9         10.6         37.0         77.1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>!</td> <td></td> <td>COMPLET</td> <td>E</td> <td></td>							!		COMPLET	E										
11,345 9494.3 5,359 240.0 1,547 1955 14,916 1,088 2 156 915 191 6116 977 916 7.1 4 11,539 892.7 3,377 1955 14,916 1,088 2 156 915 191 6116 977 916 7.1 4 14,368 1,064 0 5,436 343.5 19,804 1,407.5 137.0 180 77.7 42.3 313.2 76.0 130.5 12.3 3 1. qtr  2,942 2026 1,015 538 3,957 256.4 31.7 27 15.8 54 18.7 14.8 26.1 0.9 1. qtr  4,011 311.9 1,467 83.7 5,478 395.6 34.9 10.6 37.0 7.1 34.6 18.5 41.3 3.0 1 1. qtr  3,208 228 2 1,205 67.7 4,413 2,95.9 30.9 36 8.6 12.3 223.9 28.8 48.4 2.0 1. qtr  4,206 321.2 1,749 138.4 5,955 459.6 39.4 1.1 16.3 17.6 36.0 13.9 14.6 6.4 1 14.5 13.0 14.5 13.0 14.5 13.8 4.0 2 25 25.9 131 22.5 14.1 14.5 13 14.6 97.7 91.6 5.9 435.4 40.2 2.9 33.4 10.0 21.7 19.5 49.9 1.9			,		7.01	15.244	0 77		7	1	59.3	203.1	112.5	1175	56	24.7	S 84	27.5	761.4	2,049.8
H. qu	16-0661	587.11	T 2		0.047	40.01	0.00			915	161	6116	7 76	916		49 1	35.4	\$6.4	1,081.0	2,308.9
H. qtr 2,942 2026 1.015 53.8 3,957 256.4 31.7 27 15.8 5.4 18.7 14.8 261 0.9 1.9 1.9tr 4.011 311.9 1.467 83.7 5,478 3956 34.9 10.6 37.0 7.1 34.6 18.5 41.3 3.0 1.9 1.9tr 4.00 321.2 1.205 67.7 4,413 2.95.9 30.9 3.6 8.6 12.3 223.9 28.8 48.4 2.0 1.9 1.9 1.36.9 32.2 1.749 1.36.4 5,955 459.6 39.4 1.1 16.3 17.6 36.0 13.9 14.6 6.4 1.1 16.3 17.6 36.0 13.9 14.6 6.4 1.1 16.3 17.6 36.0 13.9 14.5 13.1 14.5	1991-92	1,559	1.064.0		343.5	19,804	1,407.5			17.71	42.3	313.2	76.0	130.5		37.9	40.1	134.0	882 0	2,426.5
2,942 2026 1,015 538 3,957 2564 51.7 27 15.6 5.7 18.7 17.5 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.7	C4-7441		<u>.</u>				,			9	4	-	# #		9	5	7.5	24.6	4 [2]	8.60
4,011 311.9 1,467 83.7 5,478 3956 349 10.6 37.0 7.1 340 (8.3 41.3 3.0 4.3 3.0 4.3 3.0 4.3 3.0 4.3 3.0 4.3 3.0 4.3 3.0 4.3 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1992 Sept. qtr	2,942	207		53 8	3,957	736.4			97.1	t i	-	9 4					3	236.4	0.67.0
3,208 2282 1,295 67.7 4,413 295.9 30.9 36 86 12.3 223.9 28.8 484 2.0 4206 321.2 1,749 138.4 5,955 4596 39.4 1.1 16.3 17.6 36.0 13.9 14.6 6.4 1 1 3,609 282.0 1,627 96.3 5,236 378.3 38.6 2.5 2.5 9 131 23.5 14.1 14.5 1.3 4.5 4.5 3.6 91.6 5,619 435.4 40.2 2.9 33.4 10.0 21.7 19.5 49.9 1.9	Dec 4r	4,011	311.9		83.7	5,478	395.6			37.0	7	÷.	0.81		9	1	;	3		
4,206 321,2 1,749 138,4 5,955 459,6 39,4 1.1 16,3 17,6 36,0 13.9 146 6,4 1 3,609 282,0 1,627 96,3 5,236 378,3 38,6 2,5 2,5 131 23,5 14.1 14.5 1.3 4,154 33,8 1,46,6 9,6 5,619 435,4 40,2 2,9 33,4 10,0 21,7 19.5 49,9 1.9	1063 hier of	1.20g			1.19	4.413	295.9			9.6	12.3	223.9	28.8			50	96	16.2	357 8	684.6
3,609 282.0 1,627 96.3 5,236 378.3 38.6 2.5 25.9 131 23.5 14.1 14.5 1.3 4.7 4.1 14.5 1.3 4.1 14.5 1.3 4.1 14.5 1.9 4.1 14.1 14.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	hane off	4.206			138.4	5.955	459.6				17.6	36.0	<u>.</u> €			157	4.7	11.7	1.961	200
A 15.3 14.1 1466 916 5.619 43.54 40.2 2.9 33.4 10.0 21.7 19.5 49.9 1.9	3	3,609			98.3	5,236	378.3				=======================================	23.5	₹ :				0.61	9.77	2.00	C.405
The state of the s	Dec 8	4,153			916	\$,619	435.4	40.2			10.0	21.7	6			C.	1.62	7 67	137.1	370

	-	Z.	New residential building	baddding .															
			Octor residential	- sutto	!						7	Non-residential building	stal bustidis	امو					
	Houses	ļ	buildings		Total		Alterations								in	Enter-			
	Number of dwelling	7. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Number of ewelling	Value (Sax)	Number of dwelling	Vahve (3m)	and additions to residential buildings	Hosels	Shops Factories		offices p	Other business premises	Educa- tional	Reh. gious f	Health	]	Miscel- laneous	Fotal	Total building
Period		(Me)				3	COLUMN TO THE CHARLES OF THE COLUMN TO THE C	AK DONE	DURING	RIOD						ı	ļ		
						>	)   				1	4 60	0 911	Ç	40.7	38.8	72.9	946.7	2,163.9
				1113		690	1475	<u>-</u>	93.8	45.5	4.2U.6	7.76		; ;	99	30.8	100.2	642.9	1,869.4
16-0661	:	4.75	:	326	:	960	127.1	15.3	65.0	17.6	210.9	63.0	.101	7 5	5 5		84.2	721.8	2,310.8
1991-92	-	<b>9</b> 11/ <b>9</b>	:	146.		1.448.2	1.40.8	153	103.0	£.7	125.7	?! 26	6.25	7 71	r i	!	!		
1992-93		1.102.1	:	2					:	1		ţ	31.6	10	11 3	10.8	9 † 1	1742	\$54.6
		,,,,		OF OF		349.3	31.1	9.6	28.6	30 30	<b>2</b>	0.71	2.4			96	22.2	174.2	583.4
1992 Sept. qt	:	C 597		9 -		372.4	368	4.4	.22.9	9"11	35.6	<b>5</b>	7 0	r i	-	:			
Dec. 6	:	£.184							-			ţ	,	,	2	176	5.	7 781	5663
		1		3		348 ¢	32.9	2.9	174	13.1	13.3	- ·	107		2 10		=	189.0	9.909
1993 Mar. qr	-	265.0	:	F C 30	:	177.6	0.04	2.2	34!	13.2	28 6	9	8 8	7.7		1 <b>%</b>		205.9	675.9
hne qt	:	292.3	:	7.60	:	437.0	37.0	2.9	54.1	6.6	33	22.5	9 9	- ;	- 1	9 4		235.8	723 3
Sept. qtz r	:	327.5	;	2 2	-	448 5	38.0		61.5	, I	30.0	31.6	7.87	7.7	0.67				
Dec qu	-	354.3	;		:														
			i				VALUE OF WORK YET TO BE DONE	WORK YE	TTO BE D	ONE E				,		3	7 85	313.2	580 0
						1	71.6	5 01	16.9	6.3	126.0	<u>[</u> *]	36.5		<del>,</del>	6	9 -	1 60	5113
1000.01		160.0	:	4	:	7 9		•		3.8	24.8	19.0	47.6	9	٠ ج	7.7	- 6	2.601	
1991-92	:	214.7	•	3 G	:	147.7		F-	134.2	7.0	216	0.61	53.6	2	7.7	5	2		5
1992-93	:	256.9	:	₹	:								9	,	13.0	30.6	21.5	162.4	8.605
				75		325.6	21.8			9.9	9.	6 9		6		12.3	21.4	135 7	459 4
1992 Sept. qt		6.677	:	84.4	•	301		13.6	14.2	7.9	C * C	0.01		-	<u>.</u>	!			,
Dec. et	:	717	:	•	-					•	ř	:	53.1	=	22.3	20.4	22.2	764.6	614.5
		נוננ		93.1		325.4				7 i	3;	2	3.5	-	12.7	26.4	70.7	319.9	692.6
1993 Mar. qtr	:	777		8	:	347.7	15.0	2.7		D./	0.17	2 2	2.0		4	21.7	19.2	292.2	705.1
Aune offr	-	5007	:	6.50		391.9				96	17.3	<u> </u>	9.00			-	17.7	1,00	7 169
Sept. qtr r	• •	2.00	:	7.04	-	414	73.	6.7	1611	8.3	12.6	170	24.6	9	0.74	1			
312.1 Dec qrt		317.1	;	107.4	:							1		2 SOCIETY	outlanto	units) are	excluded 1	rom this to	ble. Th

		*	New residential building	Sadiding	ential badding				-			Valu	Value (5m)			ļ		1	
			Other residential	males!								Non-residential building	nsial build	ş			:	!	•
	Houses	!	buildings		Total		A franchis									Ender.			
			70	,	Manherof		Amerianana bad addinions to					Other		:	_	tainment and	-		F.
Period	Number of dwelling units	Value (Sm)	duveling duveling	Value (3m)	dwelling	Value (Am)	residential braidings	Hotels etc.	Shops	Shops Factories	Offices	business premises	Educa- gonal	Reil.	Health	recrea- donal	Miscel- lameous	Total	building
								COMMENCED	日日								;		300
	1000	7613	7.453	177.7	12 424	934.5	130.9	23.8	75.9	36.5	133.2	9 1+	29.5	7.0	7	15.7	- 77	S 1	1 000.
[#:066]	1/4/4	0.00	7 667	153.7	14.578	1.043.6	6 211	Ξ	\$	<u>. 51</u>	43.6	50.0	36.3	7.7	117	<u> </u>	5.5	7 097	0.044.1
1991-93	14,615	1,103.2	3,955	231.1	18,570	1,334.3	139.1	12.6	2113	39.0	49.6	2 <b>9</b> .	30.0	<u>2</u>	±	6.62	ř.		5
			1		71.77	0.575	CO.	4.7	77.3	7.6	12.9	11.6	7.3	6.8	7.5	4.6	<del>†</del> 91	106 3	465.6
1992 Sept. qu	3,628	272.1	18 CS	56.3	4,60 4,60 1	315.0		3.8	13.7	11.2	156	141	30 65	Ć Ģ	1.0	9.01	133	93.5	444.2
<del>-</del>			į	,	000	,	. 41	0.0	101	101	30 30	12.6	1.9	8.0	5 ∓	7.3	5.3	200.0	554.9
1993 Mar qir	3,479	268.2	016	4. 5	4,389	0.156			989	<u> </u>	1.71	17.8	6.3	<u>*</u>	4.6	3.0	6.8	[4].2	549.7
June of	3.879	304.2	1.084	3 6	4.903	2 2			12.5	00	13.4	20.3	6.7	9	18.9	3.3	196	131.8	595.0
Sept. qtr.	4,420	352.0	1.234	2.0	900'C	446.5			19	13.2	17.0	26.0	90	2.4	10.5	7.1	10.7	1643	Ē
Dec qu	4,357	357.3	505.1	7.60	37.75														
						3	UNDER CONSTRUCTION AT END OF PERIOD	RUCTION	AT ENDO	F PERIOD						1		3 3 3 3	. 7.4.
	41017	3,77	1221	13.8	5.738	499			9:18	13.3	502.4	16.3	<b></b>	~ ·	C1 /	6 7 1	y	6 7 6 F	1657
14-0661	70° 4	20.00		126.4	6.260	524.2	504	_	42.3	<u>3</u> 3	19.5	35.1	4	~ I 4	60	* *	1 6		1.61.31
1997-93	5.298	476.9		125.1	רבב,ר	6.109	6'95	6.3	177 5	12.2	Ξ	<b>1.</b> 1. 7	130		1.70	Ē		1	
•	1			7 37	7 364	CUCY	\$ 63	13.3	55.1	15.5	14.3	36.1	15.9	10.2	21.5	6 <del>0</del>	0.61	20%	8797
1992 Seps qtr	5,458	474.9	978.1	4.041	450	583 T			31.4	21.2	15.1	32.2	158	7.6	7 8	12.2	27.9	188.3	823.9
Dec qu	<b>4</b>	431.3		7.00	,						1 1	:	-	4	3	4	71,	3000	443.2
1993 Mer off	5,455	475.9	2,020	1.691	7,475	636.3			<b>→</b> 1	2	D./-1	7.01	9.71	2	1.64	[4]	23.9	353.2	1,012.1
hane du	5,298	476.9		125.1		0.0			6771			2 2		-	78.1	3	30.4	398.9	1,149.8
Sept qu'r	6,182	559.9	2.032	137.6	8.214	0.740	52.5	4			2	<del>2</del>	20.2	4.0	15.7	[4.3	23.4	₹054	1,247.3
Dec. qtr	6,462	45		*61	10.40														
						j		COMPLETED	- 1						-	-	14.7	1 CA3	1 747 1
1900.01	626'01	872.5	2,949	1.85.1	13,878	1,057.7					122.		11.0	9 -	77.5	17.7	- 2 ਨੀ	8297	2.002.3
CO: 1051	11,172	869.2				1,033.6					200	7 7 7		_	) <u>(</u>	<u> </u>	`. <del>`</del>	175.1	1.7765
1992-93	13,980	_		232.3	17,519	1,265.7	7 135.7	7 180	75.1	47.3	<u> </u>				1				
			, of	. E.	1,564	0 kt.c	914	6 27	13.6	5.4	165	108	6.2	_		3.5	_	73.7	339.3
1992 Sept. qtr	2,86.2	2 4 2 5						_			15.0	18.0	101	3.0	3.6	20	<del>-</del>	133	200.3
<b>E</b> - 3-70	ora's										-	, x	6.7	7.0	4	36	6.6	940	392 2
1993 Mar. qtr	3,158							9 -	7 6 7	7.7	13.0				7.1	-	9.6	3	538.8
Aue qu	4,029														3.1	10.2	13.1	<del>1</del> .88	
Sept. qtr r	1151			66.5	4,642	7.745	30.0						6.4	2	30 30	2.2	17.1	1180	266.1
Dec. 48	4.076	337.6	9.10																

Num dw 1990-91 1991-92 1992-93			A LESS MANAGEMENT	New residential building							1	Care Miles							
Z			Other ye delented	lota				 	1			Non-residential building	ntial build	gu,					
2 2 2 2	Houses		budidings	, n	Total	ļ	1									Ender-			
Period [990-91 [992-93	Number of dwelling		Number of dwelling	Value	Number of dwelling sauts	Value Bay	Atterations and additions to restdential buildings	Hotels etc.	Shops	Factories	Offices	Other business premises	Educa- tional	Reil- gious	is Health	talament and recrea- tional	Miscel- lancous	Total	Total building
1990-91 1991-92 1992-93	2																		
1990-91 1991-92 1992-93			•	•		>	VALUE OF WORK DONE DURING PERIOD	K DONE!	URING	ERIOD	!			,		9	0.01	197	1 746 6
1990-91 1991-92 1992-93		0.00		0 691		6 866	146.5	189	186	45.5	295.8	55.1	500	-	<u>-</u> :	9	7.1.4	354.5	21.34
1992-93	:	6.420	:	1 121		027 9	126.4	131	- 4	176	- 05	<b>≩</b>	<del>1</del> 00	6 .	0 5	7.0.2		17	K C 8 8
1992-93	:	7.649.7		712.4	: :	302.8	137.9	151	100.7	9 7	567	62.3	33.7	7.7	9	720	7	ř	
	<u>-</u>	*:D/0;													·	,	ŕ	C 2011	4447
		8 750		\$2.2	:	309.0	310	9.6	17.1	æ. æ0	182	<u>.</u>	57	9.6	Ť. ľ	t v	7 1	1 9	482.3
1992 Sept. of	: :	274.7	: :	L' 19	:	336.4	36.3	4.4	727	116	90 **	\$ \$	901	ŗ	?	1	-	!	
-						:	i	9.		Ξ	11.7	151	7.1	3.7	32.7	7.5	12.5	121 7	465.2
1993 Mar ott	:	256.4	:	55.5	:	311.8	7.15	, r	111	= =	17.0	123	8.5	2.2	÷9	5.2	7.2	111.6	1961
Ane of	:	282.6	;	63.0	:	. G	F 00 0	- 0	5	1 7 1 04	7	18.0	6.2	Ξ	12.7	5.2	15.0	<u> </u>	268.2
Xpt of :	:	318.9	:	74.3	:	393.2	¥ ()	, ,,	4.00	1 3	133	X)	6.0	17	20.8	6.2	12 6	167.3	627.2
Dec. qr		347.6	٠.	74.6	:	477.1	31.1												
							VALUE OF WORK YET TO BE DONE	VORK YET	TOBE	NONE				,					ļ
						2000	3.65	301	25	63	57.4	3	11	23	9.0	4.	5.7	<del>1</del>	40+ C :
1990-91	:	157.2	:	7. S	:	2.026	7.71	2	96 (17)	36	12.0	18.0	72	3.6	12.2	2.4	7.	*	3830
1991.92	:	9.00.	:	20.65	: :	311.7	24.2	2.7	133.6	7 9	9.0	12.3	6.2	<u>*</u>	15.3	99	7.2	201.2	537.2
1992-93	:		•						;	77	7	11.7	7.41	90	14.3	1.7	13.1	96.2	408 8
1997 Sept on	:	227.1	· :	63.7		8. 1 8. 1	21.8	A 0	17	7 0	5 -	, ,	6.9	3.7	9	7.3	17.4	¥:18	377.2
Dec. etc	-	213.7	:	9.09	:	274 2		9.7	÷	•	:		i						!
•				40.0		285.2	23.5	2.2	9 84	4.7	. 2.8	9.0	\$ 9	-	22.3	٠. د	15	9.99 1.99 1.99	( + ), + C C C C
1993 Mar. qtr	:	7.977	:	2.05		311.7		2.7	1336	6.4	06	12.3	Ç,	ۍ . - ۰	<u>~</u> ;	4	1 0	7 107	2766
hne qtr	:	2010	:	98	: :	357.6		6.7	114.6	6.3	E.	13.8	<b>\$</b>	m 10	- [	e -	= 3	3	7 1 9
	: :	306.0	: :	83.4	:	389.4	92.9	6.7	 28: 18:	e .	11.2	14.6	4.0	7	7/1	7		0.24	

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Property   Color residential   Color residential   Color residential position   Color residential position   Color residential   Color residenti			Ž	New residential building	Suilding .								107	Value (2m)						
Manuforty   Manuforty   Total   Manuforty   Total   Manuforty   Manuforty   Total   Manuforty   Manu				Other restd	ratiol								Non-resid	anial buile	Sur					•
Marche of American		Ноилел	ļ	thrilding.		Total		1									Enter-		i	
Marche of America   Amer								Aneranona					č			•	ainment			
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Poriod	Number of dwelling units	Vatue Tan	Number of dwelling units	Value (Am)	Number of Awelling units	Value	additions to residential badidings	Hotels etc.	Shops	actories	ОДСея	Dusiness premises	Educa- tional	Reli- gious	Health	recrea- tional	Miscel- laneous	Total	Total building
146   215   606   516   616				<u>.</u>	_				OMMEN	8								;		
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	10000	348	3.00	909	33.6	954	. <del>8</del>	60	6	5	i	3.6.5	17.2	28.8	:	~~ 3¢	æ: æ: —	43.7	9	C 147
1,000   1,00	16-0661	356	1 2	1 387	76.6	1.745	103.9	0.7	0.2		;	24.9	12.3	77.3		ž	90 C4	<u></u>	177.1	4:197
172   183   184   185   184   185   184   185	1992-93	396	3.1	1,823	110.5	2,219	141.6	3.7	0.2	1.5	4.6	68.2	12.8	104.7	;	20.1	<del>1</del>	7	301	6.044
172   109   548   248   720   448   19       154   110   92     52     174   109   548   248   720   448   19     12   06   14   54   56     19   19     175   109   548   216   546   277   10   0.2   0.8   0.7   14   54   56     19   10     105   75   151   97   258   172   0.4     10   0.2   34   34   55     142   27     106   75   151   97   258   172   0.4     16   0.6   31   34   55     142   27     107   108   920   546   0.1     11     1200   532   681     19   57     108   93   744   1297   797     110   0.4     1200   0.5   148     19     19     175   175   175   175   174   1297   797     19     19     19     19     19     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   175   175   175   175   175   175   175     175   175   175   175   175   1		,	;	273	7 14	919	y 51	-	!	0.7	I	183	0.1	23.9	I	4.0	4.6	3.3	51.5	87.2
172   109   548   388   730   698   19       12   0.0   141   54   546       19   151   19   10   10   10   10   10   10   1	1992 Sept. At	4 t	- 6	3, 3	20.2	423	28.5	8.0	0.1		Ì	16.4	0.1	9.2	İ		5.2	9.0	50.9	80.1
172   109   548   388   770   648   710   02   08   07   141   54   260   193   219     111   95   449   276   566   372   02     12   06   13   23   66     193   219     112   95   449   276   566   372   042     12   06   13   24   55     142   27     113   96   159   158   158   158   158   158     158   158   158   158     124   125   123   123   124   122   124   12   12   12   12	ļ-						,			•		ć	7	45.4		4	13.1	24.8	103.5	155.2
11   96   179   151   158   456   172   10   102   104   1	1993 Mar. qtr	171	601	548	38.8	720	40		;		\$ C	•	9.0	9.45	:	9	2.5	7.0	3.5	124.0
Control of the cont	June off	3	7.9	353	8.61	\$ 5	77.7		0.2	<b>3</b> -	) o	4	* E	0.07 1.41		801	, o.	3.0	45.2	82.5
105   75   153   91   258   112   259   112   259   112   259   112   259	Sept. qu'r	111	9.	Ŧ :	27.6	900	776		1		2 6	] <del> </del>	, <del>M</del>	5.5	I	14.2	2.7	11	31.2	48.8
CAMPIER CONSTRUCTION AT END OF PERIOD   193   168   168   111   2306   532   681   232   184   188   188   139   392   391   1,074   664   21   21   21   21   21   21   21   2	Dec. ett	501	7.5	153	6.4	<b>9</b> 67	7/1	5		8	,	;		:						
quy         6.6         160         10.2         258         168         —         111         —         230.0         53.1         681         —         10.2         12.7         8         12.2         4.6         12.2         4.6         85.3         —         18.4         18.8         8         9         5.5         1.074         66.4         0.1         —         1.1         —         212.0         4.6         85.3         —         18.4         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.8         18.9         18.8							3	DER CONSTI	UCTION	AT END OF	PERIOD									
4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		ļ		9	6.01	358	16.8			=	i	230.6	53.1	189		20.2	12.7	9768	475.5	492.3
equ.         58         53         1,239         74         1,297         79,7           06          2280         06         863          192         404           equ.         58         53         1,239         74         1,297         79,7           06          2280         06         863          13         144	16-0661	** C	0 r	8	7 6	470.1	4.9		ì	======================================	i	212.0	4.6	83.5	:	18.4	39 30	82.9	422.1	488.5
t qtr         58         53         1,239         74.4         1,297         79.7          06          228.0         0.6         86.3          156         19.4           eqr         53         6.1         1,012         64.9         1,006         71.1         0.6         0.1         0.4          234         1.1         653          73         31.4           eqr         175         13.3         1,146         79.2         13.4         0.2         0.8         4.6         224         1.1         653          10.2         4.0         4.0         1.0         4.6         97         1.2         99.3          1.0         99.3          1.0         99.3          1.0         99.3          1.0         4.6         97         1.2         99.3          1.0         99.3          1.0         99.3          1.0         99.3          1.0         99.3          1.0         99.3          1.0         99.3         1.0         99.3         1.0         99.3         1.0         99.3         1.0	1991-92	6 6		90 90 90	58.6	*	\$9		0.2	0.8	4.6	22.4	11.9	876	1	192	40.4	27 1	221.4	290.3
\$ 5.3   1,339   74.4   1,297   79.7	(4.744)	•	!									000	9	. 40		4.5	2	3.07	421.0	507.8
53 6.1 1,012 64.9 1,065 71.1 0.6 0.1 0.4	1992 Sept. qtr	36	5.3	1,239	74.4	1,297	79.7		: (	9 :	l	0.877	÷ -	6 97		2 6	71.4	2	152 B	4244
175   13.1   1.146   79.8   1.321   93.1   1.6     1.9   31.2   74   75.3   79   31.0     110	Dec. 4	53	6.1	1,012	2	1,065	Ξ			<del>d</del>		4.062	1.1	65.5	i	2	1		1	:
173   153   154   155		į	=	771	90	133	5		1		3.9	32.2	7.4	75.3		7.9	310	36. 4.	136.	2907
Figure 119 4.9 853 58.9 963 68.8 0.1 19 0.6 97 12.6 993 – 30.0 457 407 1.0 10 55.5 1.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1993 Mar. qtr	5.5		P+1:1	48.6		3			9.0	9.4	22.4	11.9	876	;	6	40.4	1 12	221.4	2903
138   11.2   643   47.3   781   58.5   0.4	June oft		- 0	158	9 85		89			6.	9.0	6.1	12.6	99.3		30.0	45.7	6.7	217.7	286.6
COMPLETED           456         31.7         1,010         55.5         1,466         87.2         1.2         0.2         1.7         — 27.5         11.0         86.3         — 77         24.1           367         23.5         56.2         31.1         929         54.6         0.6         0.2         1.6         — 43.8         66.2         64.1         — 21.5         17.8         17.8           388         30.6         1,897         11i.2         2,265         0.1         — 19         — 22         40         96.5         20.3         24.0           aqr         81         7.4         578         30.0         659         37.4         0.2         — 19         9.5         0.5         31.2         8.5         12           aqr         81         7.4         578         30.0         659         37.4         0.2         — 19         6.5         31.2         8.5         12           aqr         81         7.4         27.8         0.9         0.1         0.4         — 212.5         0.1         38.7         0.5         13.4           aqr         177         13.4         592         40.7         769		138	11.2	3	47.3		586.5		1	61	ì	10.2	15.0	63.1	1	440	25.5	12.7	5.7/1	(167
456 31.7 1,010 55.5 1,466 87.2 1.2 0.2 1.7 — 27.5 11.0 86.3 — 77 24.1  367 23.5 562 31.1 929 54.6 0.6 0.2 1.6 — 43.8 66.2 64.1 — 21.5 17.8  389 30.6 1,897 111.2 2,285 141.8 1.3 0.1 2.6 258.2 5.4 96.5 20.3 24.0  3.8 30.6 1,897 111.2 2,285 141.8 1.3 0.1 2.6 258.2 5.4 96.5 20.3 24.0  3.9 414 24.0 464 27.8 0.9 0.1 0.4 — 212.5 0.1 38.7 0.4 5.4 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2				1					COMPLE			<b>i</b>	 						-	
456 317 1,010 555 1,400 87.2 14.6 16 0.2 16 43.8 662 641 - 215 178 178 159 254 56 0.6 0.2 1.6 - 43.8 662 641 - 215 178 178 159 546 0.6 0.2 1.6 - 43.8 662 641 - 215 178 140 171 13.8 30.6 1,897 131.2 2,285 141.8 13 0.1 2.6 258.2 5.4 965 203 240 240 1.6 1.8 1.2 1.4 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8												17.5	0 =	86.3	!	7.7	24.1	8.09	219.3	307.7
367         23.5         362         31.1         22.8         1.8         1.3         0.1         2.6          258.2         5.4         96.5          20.3         24.0           At qr         80         6.1         313         16.5         393         22.6         0.1          19          22         40         200          28         4.0           E. qr         81         7.4         578         30.0         659         37.4         0.2          0.3          19.5         0.5         31.2          8.5         1.2           E. qr         81         7.4         578         30.0         659         37.4         0.2          0.3          22.1         8.5         1.2           E. qr         177         13.4         592         40.7         769         54.1         0.1           24.0         0.9         67         8.6         13.4           Att         496         28.0         594         35.7         27         0.2          46         0.9         43.5	[6:066]	456	31.7	36.	2 .					. 9		4	38	3		21.5	17.8	36.2	251.4	306.6
388         30.6         1.897         111.2         2,563         141.0         2         40         200         2         40         200         2         40         200         2         40         200         2         40         200         2         8         4.0         40           80         6.1         313         16.5         39.3         22.6         0.1         —         19.5         0.5         31.2         —         8.5         12           81         7.4         578         30.0         659         37.4         0.2         —         0.3         —         19.5         0.5         31.2         —         8.5         12           177         13.4         592         40.7         769         54.1         0.1         —         —         24.0         0.9         67         8.6         13.4           17         6.2         369         28.0         594         35.7         27         0.2         —         4.6         13.9         1.6         12.5         —         4.8           77         6.2         369         21.3         440         27.5         0.1         —         0.6	1991-92 1		23.5	•	- C					96	:	258.2	4.5	596	į	20.3	240	3	506.9	650.0
80         6.1         313         16.5         393         22.6         0.1          14          22         40         200          28         4.0           81         7.4         578         30.0         659         37.4         0.2          0.3          19.5         0.5         31.2          85         1.2           50         3.8         414         24.0         464         27.8         0.9         0.1         0.4          212.5         0.1         38.7          0.4          24.0         0.9         67         8.6         13.4           177         13.4         592         40.7         769         54.1         0.1          4.6         13.9         1.6         12.5          4.8           7         6.2         363         21.3         440         27.5         0.1          0.6         0.9         34         0.9         43.5          0.7          4.8           77         6.2         363         21.3         440         27.5         0.1 <td>1992-93</td> <td>80 C</td> <td>30.</td> <td></td> <td>7.11.</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td>	1992-93	80 C	30.		7.11.					•										
81         74         578         30.0         659         37.4         0.2         —         0.3         —         19.5         0.5         31.2         —         8.5         1.2           50         3.8         414         24.0         464         27.8         0.9         0.1         0.4         —         212.5         0.1         38.7         0.4         5.4           177         13.4         592         40.7         769         54.1         0.1         —         —         24.0         0.9         67         8.6         13.4           98         7.6         496         28.0         594         35.7         27         0.2         —         4.6         13.9         1.6         12.5         —         4.8           77         6.2         363         21.3         440         27.5         0.1         —         0.6         0.9         34         0.9         43.5         —         0.7         22.9	2000 Cont.	08	. 9	333			22.0			7	!	2.2	4	20.0	;	7.8	4.0		47.9	
50     3.8     414     24.0     464     27.8     0.9     01     0.4     —     212.5     0.1     38.7     0.4     5.4       177     13.4     592     40.7     769     54.1     0.1     —     —     24.0     0.9     67     8.6     13.4       17     13.4     592     40.7     769     54.1     0.1     —     —     4.6     0.9     67     8.6     13.4       7     6.2     363     21.3     440     27.5     0.1     —     0.6     0.9     34     0.9     43.5     —     0.7     72.9	1992 Sept. 461	8 =	7.4				37.		·	0.3	1	19.5	0.5	31.3		90) 90)	17	6.16	173.0	8
50 3.8 414 24.0 464 27.8 0.9 0.1 0.4 — 212.0 0.3 18.7 8.6 13.4 177 13.4 592 40.7 769 54.1 0.1 — 24.0 0.9 6.7 8.6 13.4 13.4 13.5 — 4.8 13.7 2.7 0.2 4.6 13.9 1.6 12.5 — 4.8 7.7 6.2 36.3 21.3 440 27.5 0.1 — 0.6 0.9 3.4 0.9 43.5 — 0.7 22.9	5h 3w7	i					1			ć		31.16		t.		7	4.8	6.3	263.8	292.4
177 13.4 592 40.7 769 54.1 0.1	1993 Mar. qtr	90	3.8				17			đ.	ŀ	217					T (C)		72.2	126.3
7 98 7,6 496 28.0 594 35.7 2.7 0.2 4.0 13.9 1.0 12.5 7 7 6.2 363 21.3 440 27.5 01 — 0.6 0.9 34 0.9 43.5 — 0.7 22.9	Aune qu	177	13.4								`			_		į	. 4		17.7	85.5
77 62 363 21.3 440 27.5 01 — 0.6 0.9 34 0.9 4.2 — 0.7	Sept. oft.	86	7.6								0.0					-	77.0		79.0	106.7
	Dec 4	11	6.2						1	9.0	2					5	, , ,	1		

Houses   Dodger residential   Total   Alterations	residential Daliding	Value (Am)			
Houses		Non-residential building			
Number of Allerations and Allerations of Administry of Administry (Jan)   Number of Administry (Jan)   Administry of Administry (Jan)   Administry of Administry (Jan)   Administry of Administry (Jan)   Administry of Administration of Administrati	ļ		Enter-		
Number of Aveiling Value aveiling Value residential florets aveiling Value residential florets aveiling Value residential florets aveiling (flm) buildings etc.	Alterations	O. C.	iainmeni Imi		
13.7   145.   170   145.   1	padditions to Value residential Hotels (3m) buildings etc. Shops Factories	Educa- tional	Reli- recrea- gious Health tional	Miscel- lameous Total	Total building
27.4 43.3 70 22.1 49.4 71 31.6 113.7 145 31.6 113.7 145 31.6 29.4 36 31.1 33.6 40 32.2 31.1 33.9 34 33.9 34 4.8 34.4 3 34.1 34.1 4.8 34.1 4.8 34.1 4.8 34.1 4.8 34.1 4.8 34.1 4.8 34.1 5.9 7 5.9 7 5.9 8 5.9	VALUE OF WORK DONE DURING PERIOD				
22.1 49.4 71.5 22.1 49.4 71.5 31.6 113.7 145.4 22.1 33.6 40.3 40.3 22.1 33.6 40.3 37.1 29.4 36.0 37.1 29.4 36.0 37.1 29.4 36.0 37.1 39.7 22.2 31.9 37.1 39.7 26.4 39.3 34.4 39.3 34.8 34.4 39.3 34.8 34.4 36.0 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.9 35.0 34.8 34.8 34.8 34.9 35.0 34.9 34.8 34.9 34.9 35.0 34.9 34.9 35.0	10 62 67	1247 37.3 86.4		55.1	417.3
E. qer 6.7 13.6 40.3 16.4 71.5 145.4 11.3.7 145.4 145.4 11.3.7 145.4 140.3 11.4 140.2 11	) (C	R40 M 23.3 71.2	- 12.5 20.6	7.27	355.5
St. qer     6.7     13.6     40.3       E. qer     6.6     29.4     36.0       E. qer     9.7     22.2     31.9       E. qer     8.6     31.1     39.7       E. qer     6.7     19.7     26.4       E. qer     6.7     19.7     26.4       E. qer     4.8     34.4     39.3       E. qer     2.7     3.9     6.6       A. 3     31.7     36.0       Bar, qer     6.1     34.1     40.2       Bar, qer     6.1     34.1     36.0       Bar, qer     6.1     36.0     34.4       Bar, qer     6.1     36.0     34.4       Bar, qer     6.1     36.0     34.4       <	70 02 24		- 12.2 35.6	43.9 274.8	423.1
R. qer     6.7     13.6     40.3       E. qer     6.6     29.4     36.0       E. qer     28.5     37.1       Regar     9.7     22.2     31.9       R. qur     6.7     19.7     26.4       C. qer     6.7     19.7     26.4       R. qur     2.7     3.9     6.6       R. qur     2.7     3.4     39.3       R. qur     2.2     32.6     34.8       R. qur     2.2     33.8     27.5       R. qur     6.1     34.1     40.2       R. qur     6.4     29.0     34.4       R. qur     6.1     34.1     36.0       R. qur     6.1     34.1     36.0       R. qur     6.1     3.4     36.0       R. qur     6.1     3.4     36.0       R. qur     6.1     3.4     36.0       R. qur     6.1				ì	9
8.6 29.4 36.0 8.6 29.4 36.0 9.7 22.2 31.9 8.6 31.1 39.7 26.4 4.8 34.4 39.3 4.8 34.4 39.3 4.8 34.4 39.3 4.9 34.4 39.3 4.1 34.8 27.5 5.4 29.0 34.4	0.1	8.0			7011
86     28.5     37.1       9.7     22.2     31.9       86     31.1     39.7       6.7     19.7     26.4       4.8     34.4     39.3     66       4.8     34.4     39.3     48.8       2.2     32.6     34.8       2.2     32.6     34.8       3.8     23.3     27.5       4.3     31.7     40.2       4.3     31.7     36.0       4.3     31.7     36.0       4.3     31.7     36.0       5.4     29.0     34.4       34.4     34.4	36.0 0.5	18.1 0.3 30.4	1.7	ė iš	2
8.6 28.5 37.1 9.7 22.2 31.9 8.6 31.1 39.7 26.4 4.8 3.4 39.3 4.8 34.4 39.3 4.8 34.4 39.3 4.8 31.7 36.0 7.7 2.2 32.6 34.8 7.8 3.4 40.2 7.9 6.0 34.4 40.2 7.9 6.0 34.4 40.2 7.9 6.0 34.4 40.2 7.9 6.0 34.4 40.2	•	0.00	1.0.1	168	101
2.7 22.2 31.9 8.6 31.1 39.7 26.4 2.7 3.9 66 4.8 34.4 39.3 4.8 34.4 39.3 4.8 34.4 39.3 4.3 31.7 36.0 5.4 29.0 34.4 40.2	37.1 1.2		2.6	6 01	1105
8.6     31.1     39.7       6.7     19.7     26.4       2.7     3.9     66       4.8     34.4     39.3       4.3     31.7     36.0       2.2     32.6     34.8       2.2     32.6     34.8       3.8     23.8     27.5       6.1     34.1     40.2       5.4     29.0     34.4       3.4     34.4     34.4	1.1 0.1 0.3	9.7	*		1077
27     3.9     66       4.8     34.4     39.3       4.3     31.7     36.0       2.2     32.6     34.8       3.8     23.8     27.5       6.1     34.1     40.2       4.3     31.7     36.0       5.4     29.0     34.4	39.7 11 0.2	4.0	- 8.8 10.3	3 5.5 68.4	95.2
2.7 3.9 66 4.8 34.4 39.3 4.3 31.7 36.0 3.8 23.8 27.5 6.1 34.1 40.2 5.4 29.0 34.4	70.4				
2.7 3.9 6.6 4.8 34.4 39.3 4.3 31.7 36.9 3.8 22.2 32.6 34.8 3.8 27.5 6.1 34.1 40.2 5.4 29.0 34.4	VALUE OF WORK YET TO BE DONE				į
2.2 326 348		68 6.7 32.0		6 75	(6)
4.3 31.7 36.0 0.8 (2.2 3.26 3.48 0.3 (3.3 3.4) 34.1 40.2 1.0 (4.3 31.7 36.0 0.8 (5.4 29.0 34.4 (5.4 3.2 3.4 3.4 4.3 3.4 4.	1 20	0'1		90.50 80.90 7.01 80.90	7971
2.2 3.26 34.8 0.3 — 3.48	36.0 0.8	12.6 6.7 47.4	¥1 +77	-	i
22     326     348       34     238     27.5     03       61     34.1     40.2     1.0     —       43     31.7     36.0     08     —       54     29.0     34.4     —	:	992 (1)		8.9 8.4 (46)	101.0
5.8 23.8 27.5 U3 — 6.1 34.1 40.2 1.0 — 6.1 31.7 36.0 0.8 — 6.4 29.0 34.4 — 6.4 29.0 34.4	34.8		0.5	0 8.9 54.3	CI 70
6.1 34.1 40.2 1.0 — 4.3 31.7 36.0 08 — 5.4 29.0 34.4	= 27.5 0.3 $=$	ì			
4.3 31.7 36.0 08 54.4 29.0 34.4	Ş	15.1 5.0 46.5		17.1	
5.4 29.0 34.4	360 08 05	6.7	•	- - -	
	34.4	5.5		16.5 (.) 43.5 21.5 O.C 0.0	1 + 2 C
6.7 19.0 25.1 0.2 —	: :	1.4 2.4 18.3	).C7	<b>X</b> i	

TABLE 4. NUMBER OF DWELLING UNITS BY STAGE OF CONSTRUCTION, WESTERN AUSTRALIA SEASONALLY ADJUSTED SERIES (a)

•		Ноим	75			Tota	ı	
	Private sector		Total		Private sector		Total	
Period	Commenced	Completed	Commenced	Complesed	Commenced	Completed	Commenced	Complesed
1992 Sept. qtr	3,398	3.097	3,468	n.a.	4,294	3.854	4,832	4,338
Dec. qtr	3,737	3,447	3,840	n.a.	4;611	4,231	5.138	4,815
1993 Mar. qu	3.751	3,294	3,912	n.a.	4.781	4,154	5,566	4.551
June gtr	3,767	4.114	3,833	пa.	41454	5,252	5,320	6,066
Sept qtr r	4.110	3.822	4,244	п.а.	5,242	5,041	5.714	5.75R
Dec. qu	4,482	3,571	4,620	π.2.	5,721	4,545	6,103	4,917

<sup>(</sup>a) Series have been revised due to annual re-analysis of seasonal adjustment factors.

TABLE 5. VALUE OF BUILDING WORK DONE, WESTERN AUSTRALIA SEASONALLY ADJUSTED SERIES (a)

			(3 IDDNA)				
	New re	esidential incilding		Alterations and	Non-residential bu	ilding	
Penod	O Houses	ther residential huildings	Total	additions to residential huildings	Private sector	Total	Totai huilding
1992 Sept. qtr	250.0	81.7	329.1	33.2	97,7	160,6	527.1
Dec. qtr	277.9	85.2	364.9	34 2	49.5	166.0	558.5
1993 Mar. qtr	282.9	91.3	374.0	35.7	135. <b>6</b>	204.7	6147
June qtr	293.2	88.8	383.5	37. <del>6</del>	119.8	196.0	618.0
Sept. qtr r	311.0	100.3	407.7	39.5	(29.9	[89.R	642.2
Dec. qir	349.9	88.2	439.6	35.3	151.5	224.7	691.4

<sup>(</sup>a) Series have been revised due to annual re-analysis of seasonal adjustment factors.

TABLE 6. VALUE OF BUILDING WORK COMMENCED, AT AVERAGE 1989-90 PRICES (a), WESTERN AUSTRALIA (5 million)

•	New n	esidential building		Alterations and	Non-residential bu	ilding	
Period	O Houses	ther residential huildings	Total	additions to — residential buildings	Private sector	Total	Total building
1990-91	855.2	202.4	1,057.6	144.7	381.7	561 9	1.764.2
1991-92	1.036.7	227 6	1,264.3	133.9	277.6	450 0	1,848.2
1992-93	1,266,4	336.9	1,603.3	158.5	530.3	825.6	2,587.4
1992 Sept. qtr	311.7	84.9	396.6	36.3	103.9	154.2	587.1
Dec. qrr	299 5	75.5	375.0	40.7	91 7	141.6	557.3
1993 Mar. qtr	3104	91.2	401.6	38.8	196 3	297.4	738.3
June qu	344 8	85.3	430.1	42.7	138 4	231 ≠	704.7
Sept. qtf r	397.3	105.2	502.5	35.3	129 1	173.4	711.2
Dec. qtr	397.8	97.6	495.4	42.0	160.8	191 3	728.7

<sup>(</sup>a) See paragraphs 24 and 25 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 7. VALUE OF BUILDING WORK DONE, AT AVERAGE 1989-90 PRICES (a), WESTERN AUSTRALIA ORIGINAL AND SEASONALLY ADJUSTED SERIES

			(S müllen)				
	New residential building			Alterations and additions to	Non-residential huilding		
Period	On Houses	her residential buildings	Total	residential huildings	Private sector	Total	Total huilding
· ·		<u> </u>	ORIGINAL				<u></u> .
1990-91	929.8	207.4	1,137.2	160.4	579 9	9130	2,210.6
1991-92	986.L	219.6	1,205.7	143.8	344.0	614.9	1,964.4
1992-93	1.230.5	337.5	1,568.0	157.1	429.6	693 6	2,418.7
1992 Sept. qtr	297.4	83.0	380.4	35.1	99.3	166.0	581.5
Dec. qtr	315.0	88.6	403.6	41.2	105.1	167 0	611.8
1993 Mar. qtf	294.8	82.3	377.1	36.6	117.5	178 1	591.8
June qu	323.3	83 6	406.9	44.2	107.7	182.5	633.6
Sept. qtr r	360.3	103.3	463.6	40.7	134.0	198.5	702.6
Dec. qtr	385.5	92.2	477.7	41.3	161.0	226.8	745.8
		SEA	SONALLY AD	JUSTED		·	
1002 5	282.1	79.0	358.4	37.5	93.1	153.1	552.7
1992 Sept. qtr Dec. qtr	311.2	82.8	395.4	38.3	95.4	159.1	585.7
1993 Mar. qtr	314.8	89.5	404.Z	39.7	131.0	197.7	642.5
•	324.3	87.0	413.3	41.5	115.7	189.2	645.6
hane oft	342.1	98.3	436.6	43.5	125.2	182.9	667.8
Sept. qtr r Dec. qtr	380.7	86.3	468.2	38.3	145.8	216.2	713.1

<sup>(</sup>a) See paragraphs 24 to 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 8. NUMBER OF DWELLING UNITS BY OWNERSHIP, CLASS OF BUILDER AND STAGE OF CONSTRUCTION, WESTERN AUSTRALIA

•				WESTERN	<u>AUSTRA</u>	LIA					
		Pri	vale sécior				Public sector			Total	<u> </u>
	Contractor-	louses	<u>-</u>	Other residential	<u> </u>	·	Other residential	•		Osher residential	
Period .	built	Other	<b>T</b> otal	buildings	Total	Houses	buildings	Total	Houses	buildings	Total
		<u> </u>	•	COM	MENCED						
1990-91	8,287	1,684	9,971	2,453	12.424	348	606	954	10,319	3,059	13,378
1991-92	9.811	2,110	11.921	2.657	14.578	358	1.387	1.745	12,279	4.044	16,323
1992-93	12,704	1.911	14.615	3,955	18,570	396	1.823	2.219	15.011	5.778	20,789
1992 Sept. qu	3,192	436	3.628	988	4,616	49	567	616	3,677	1.555	5.232
Dec. qu	3,133	495	3,628	973	4.601	76	351	427	3,704	1,324	5.028
1993 Mar. qtr	2,990	489	3,479	910	4,389	172	548	720	3,651	1,458	5,109
June gtr	3,388	491	3,879	1,084	4,963	99	357	456	3,978	1,441	5.419
Sept. qtr r	3,878	542	4,420	1,234	5,654	111	449	560	4,531	1,683	6.214
Dec. qtr	3.735	622	4,357	1.363	5,720	105	153	258	4,462	1.516	5.978
			INDER C	ONSTRUCT	ION AT E	ND OF PE	ERIOD				
1990-91	2,410	1,607	4.017	1,721	5,738	98	160	258	4.115	1.881	5.996
1991-92	2,800	1.906	4.706	1.554	6,260	89	985	1,074	4,795	2,539	7,334
1992-93	3,470	1.828	5.298	1,929	7,127	97	902	999	5.395	2.831	8.226
1992 Sept. qtr	3.611	(,847.	5,458	1,826	7,284	58	1.239	1,297	5,516	3,065	8,581
Dec. qtr	3,337	1,807	5,144	1,910	7.054	53	1,012	1.065	5,197	2,922	8.119
1993 Mar. qtr	3,558	1,897	5,455	2,020	7,475	175	1.146	1.321	5,630	3,166	8,790
June qtr	3,470	1.828	5,298	1.929	7,227	97	902	999	5,395	2,831	8,226
Sept. Qtrr	4.231	1,952	6,182	2,032	R.214	110	853	963	6,292	2.885	9.177
Dec. qtr	4,395	2.067	6,462	2.292	B,754	138	643	781	6,600	2,935	9,535
				COM	IPLETED	<del></del> -					
1990-91	8,730	2,200	10,929	2,949	13.878	456	1,010	1,466	11,385	3,959	15.344
1991-92	9,398	1,774	11,172	2,815	13.987	367	562	929	11,539	3.377	14,916
1992-93	12,053	1,927	13,980	3.539	17,519	388	1,897	2,285	14,368	5,436	19.804
1992 Sept. qtr	2,407	455	2,862	702	3.564	. 80	313	393	2,942	1.015	3,95
Dec. qtr	3.406	524	3.930		4,819	81	578	659	4,01 l		5,471
1993 Mar. qtr	2,769	389	3,158	791	3,949	50	414	464	3,20\$		4,41
June qtr	3,470	560	4,029	1,157	5,186	177		7 <del>69</del>	4,206		5,95
Sept. qtr r	3,116	394	3,511	1.131	4,642	98	496	594	3,609	1,627	5,236
Dec. qtr	3,569	506	4,076	1.103	5.179	77	363	440	4,153	1,466	5.619

# TABLE 9. NUMBER AND VALUE OF NEW HOUSES BUILT BY CONTRACT BUILDERS FOR PRIVATE OWNERSHIP, BY COMPLETION VALUE RANGE AND STAGE OF CONSTRUCTION WESTERN AUSTRALIA

	<del></del> .			** E31	ERNAU					٠	1 . 4	
	Commenced			<u>.</u>	Under	Under construction at end of period			Completed			
Period	Less than \$40,000	\$40,000 to \$59,999	\$60.000 and over	Total	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total	Less than \$40,000	\$40,000 10 \$59,999	\$60,000 and over	Total
					NUMBE	ER						
1990-91	395	3,727	4,165	8,287	83	808	1.519	2,410	407	3.743	4,579	8,730
1991-92	327	4,362	5,122	9,811	84	961	1,755	2,800	300	4,211	4,887	9,398
1992-93	732	4,604	7,367	12,704	165	831	2,474	1.470	651	4.728	6,673	12.053
1992 Sept. qtr	104	1,264	1.824	3.192	95	1,160	2,356	3,611	128	1,056	1.223	2,407
Dec. qtr	187	1.299	1,647	3.133	177	1,047	2.113	3.337	59	1,435	1,913	3.406
1993 Mar. qtr	239	884	1.868	2,990	240	878	2,439	3,558	176	1,065	1.529	2.769
June qtr	201	1,158	2,028	3,388	165	831	2,474	3,470	288	1,173	2.009	3.470
Sept. qtr r	25	1,348	2,505	3,878	40	1.084	3.108	4,231	50	1.158	1,908	3.116
Dec. qtr	44	946	2,740	3,735	14	895	3,486	4,395	87	1.134	2,348	3.569
					VALUE (	\$m)						
1990-91	13.7	187.5	426.4	- 627.6	3.0	40.3	194.7	237.9	13.8	188.3	509.3	711.4
1991-92	11.8	221.1	491.6	724.5	3.1	48.8	192.3	244.2	11.0	212.6	505.0	728.5
1992-93	25.3	234.6	702.7	962.5	5.9	43.3	285.2	334.4	22.4	239 3	622.0	883.7
1992 Sept. qtr	3.7	64.7	169.1	237.4	. 3.3	59.2	257.3	319.8	16	153.6	106.6	164.8
Dec. qtr	- 6.5	66.4	150.5	223.4	6.0	53.9	230 2	290.1	2 1	72 9	181.6	256.5
1993 Mar. qtr	8.3	44 1	179.2	231.6	8.4	44 2	275.3	328.0	5.9	54.2	134.6	194.8
June qtr	6.8	59.4	203.9	270.1	5.9	43.3	285.2	334.4	4 8	58.6	199.2	267 6
Sept. qtr r	0.9	70.7	236.8	308.4	1.3	57.2	343.8	402.3	1 8	60.0	182.1	243.9
Dec. our	1.4	50.1	256 8	308.3	0.4	47.6	373.3	421.2	2.8	59.5	229.8	292.1

#### TABLE 10. SUMMARY OF BUILDING ACTIVITY, WESTERN AUSTRALIA RELATIVE STANDARD ERRORS (PER CENT) DECEMBER QUARTER 1993

	·	New residential	building		Vaiue		
	Houses		Total		Alterations		
Ownership and stage of construction	Number	Value	Number of dwelling units	Value	and additions to residential buildings	Total building	
	PF	UVATE SECTO	R			<del></del>	
Commenced	3.2	3.1	2.4	2.5	5.6	1.8	
Under construction at end of period	3.1	3.1	2.3	2.4	6.5	1.5	
Completed	4.3	4.9	3.4	4.0	8.1	3.0	
Value of work done		2.9	41	2.4	5.5	1.6	
Value of work yet to be done		3.6	• •	2.8	R.3	1.8	
	TOTAL PRIVA	ATE AND PUB	LIC SECTORS				
Commenced	3,1	3.L	2.3	2.4	5.6	1.6	
Under construction at end of period	3.0	3.0	2.1	2.2	6.5	1.2	
Completed	4.3	4.8	3.2	3.8	8. I	2.5	
Value of work done		2.8		2.2	5.5	1.4	
Value of work yet to be done		3.5		2.7	8.2	1.6	

TABLE 11 - VALUE OF NON-RESIDENTIAL BUILDING COMPLETED AND UNDER CONSTRUCTION BY STATISTICAL LOCAL AREAS AND STATISTICAL DIVISIONS (\$'000)

			Under construction at end of period	
Statistical division Statistical local area(a)	Year ended June 1993	Quarter ended September 1993 (r)	Quarter ended December 1993p	Quarter ended December 1993p
	PERTH STA	TISTICAL DIVISION		· · · · · · · · · · · · · · · · · · ·
Armadale (C)	6,294	258	2,078	8,862
Bassendean (T)	2,004	1,900	936	1,055
Bayswater(C)	7,267	863	4,040	86,176
Belmont (C)	10,160	2,773	4,364	2,215
Carming (C)	36,721	6,882	7,630	12,374
Claremont (T)	6,715	921	612	360
Cockburn (C)	28,910	1,767	7,387	9,018
Cottesloe (T)	670	165	53	720
East Fremantle (T)	395	_	120	7,888
Fremantle (C) – Inner	2,977	380	2,933	650
Fremantle (C) – Remainder	13,450	2,200	2,092	13,797
Fremantle (C) - Total	16,427	2,580	5,025	14,447
Gosnells (C)	8,821	711	5,917	4,082
Kalamunda (S)	6,125	2,804	1,285	1,463
Kwinarta (T)	7,399	2,821	561	1,018
Melville (C)	27,054	4,467	2,867	72,224
Mosman Park (T)	789	<del>-</del>	600	6,724
Mundaring (S)	6,214	300	1,180	1,144
Nedlands (C)	11,946	340	10,271	5,153
Peppermint Grove (S)	<del>-</del>	622	_	_
Perth (C) - Inner	305,938	2,930	11,679	15.847
Perth (C) - North	2,704	· —	327	5,301
Perth (C) - Outer	26,195	5,948	9,237	9,980
Perth (C) South	24,299	91	10,588	25,335
Perth (C) - Wembley-Coastal	11,738	81	168	570
Perth (C) - Total	370,874	9,050	31, <del>99</del> 9	57,033
Rockingham (C)	15,270	3,665	3,831 .	36,335
Serpentine-Jarrahdale (S)	3,950	85	_	1.033
South Perth (C)	4,928	1,230	3,988	7,153
Stirling (C) - Central	29,295	6,173	3,147	11,020
Stirling (C) - West	26,832	3,141	7,681	12,540
Stirling (C) - South-Eastern	2,169	<del>-</del>	735	8,039
Stirling (C) - Total	58,296	9,314	11,563	31,599
Subjaco (C)	6,018	6,137	7,667	13,289
Swan (S)	52,332	19 <b>,994</b>	6,253	47,766
Wanneroo (C)	70,617	18,994	24,816	101,335
Total	766,196	98,642	145,044	530,465
	SOUTH-WEST S	TATISTICAL DIVISION (b	)	<u> </u>
Augusta-Margaret River (S)	1,993	545	1,430	1,105
Boddington (S) (b)	_		<del>-</del> .	_
Boyup Brook (S)	<del></del>	<del></del>	_	30
Bridgetown-Greenbushes (S)	917	392	93	889
Bunbury (C)	6,363	4,041	2,091	6,441
Busselton (S)	7,592	456	4,583	8,054
Capel (S)	502	<del></del>		100
Collie (S)	98		220	2,395
Dardanup (S)	432	193	641	410
Donnybrook-Balingup (S)	517	175		1,265
Harvey (S)	3,729	2,718	665	1,352
Mandurah (C)	6,526	1,690	1,539	4,750
Manjimup (S)	1,081	181	1,018	1,812
Murray (S)	595	_	407	497
Namup (S)	545	_	. —	106
Waroona (S)	4,510	. —	_	
Total (b)	35,400	10,390	12,688	29,205

# TABLE 11 - VALUE OF NON-RESIDENTIAL BUILDING COMPLETED AND UNDER CONSTRUCTION BY STATISTICAL LOCAL AREAS AND STATISTICAL DIVISIONS - continued (\$'000)

		Completed during period		Under construction at end of period
tatistical division	Year ended June 1993	Quarter ended September 1993 (r)	Quarter ended December 1993p	Quarter ended December 1993p
iansiical local area (a)				
	LOWER GREAT SOU	THERN STATISTICAL DIV	ISION	
Albany (T)	8,235	2,832	549	2,790
albany (S)	1,725	. 770	294	2,110
Broomehill (S)	<del></del>	<del></del>	<u>-</u>	_
ranbrook (S)	1,180		964	329
enmark (S)	. 1,160	=	_	100
Gnowangerup (S) erramungup (S)	225	_	770	. 30
atanning (S)	162	_	_	_
(ent (S)	_	_	<del></del>	_
Cojonup (S)	<del></del>	_	140	
lantagenet (S)	889	<del>-</del>	215	· 120
'ambeilup (S)	_	<del></del>	410	
Voodanilling (S)	<del>-</del>		-	5,479
Total .	12,416	3,686	3,342	5,47:
	UPPER GREAT SOUTH	ERN STATISTICAL DIVIS	ION (b)	
Brookton (S)		_		379
Prookton (S) Corrigin (S)	<del></del>	_		_
Cuballing (S)	_		-	-
Sumbleyung (S)		· —	· —	_
Condinin (S)	848		_	14
Culin (S)	· —	<del></del>	_	-
ake Grace (S)	_	_	_	-
larrogin (T)	950	250	_	1,66
Jarrogin (S)	_	_	_	-
ringefly (S)	<del></del>	_		_
Wagin (S)	84	_	<u></u>	_
Wandering (S)	<del>-</del>	<del>_</del>	_	
West Arthur (S)	<del></del>	Ξ	<del></del>	40
Wickepin (S)	155	<u> </u>	_	1
Williams (S) Total (b)	2,037	250	_	2,66
1 (42 (5)		STATISTICAL DIVISION		
	1,25-11,10-1		135	
Beverley (S)	_	_		-
Bruce Rock (S)	-	<u>-</u>	1,150	•
Chittering (S)	. 334	<u>_</u>		
Cunderdin (S)	_	·	298	
Dalwallinu (S)	113		217	7
Dandaragan (S)	· —	<del></del>	_	_
Dowerin (S) Gingin (S)	55	190	180	2,4
Goomalling (S)	<del></del>	_	128	
Kellerberrin (S)	<del>-</del>	<del></del>		
Koorda (S)	<del>_</del>	·		7
Merredin (S)	204	. 178	55	. '
Moora (S)	420	_		
Mount Marshall (S)	200	_		÷
Mukinbudin (8)	390	<del></del>	_	
Natembeen (S)		450	655	14,0
Northam (T)	.732 641	82		2,6
Northam (S)	041		. —	
Nungarin (S)				1
Quairading (S)		_	-	
Tammin (S) Toodyay (S)	212	180	-	3
Trayning (S)	_	<del></del>		
Victoria Plains (S)		_	100	
Westonia (S)	_		<u> </u>	
Wongan-Ballidu (S)	915	439	_	
Wyalkatchem (S)	_	_	<del></del>	
	220	_		
Yilgam (S)				
Yilgarn (S) York (S)	50 4,346		60 <b>2,978</b>	21,3

TABLE 11 – VALUE OF NON-RESIDENTIAL BUILDING COMPLETED AND UNDER CONSTRUCTION BY STATISTICAL LOCAL AREAS AND STATISTICAL DIVISIONS – continued (\$'000)

		(* ***)		Under construction
		Completed during period		at end of period
Statistical division Statistical local area (a)	Year ended June 1993	Quarter ended September 1993 (r)	Quarter ended December 1993p	Quarter ended December 1993p
	SOUTH-EASTEI	RN STATISTICAL DIVISION	N ·	
Coolgardie (S)	189	_	225	· —
Dundas (S)	_	88		
Esperance (S)	1,834	278	300	820
Kalgoorlie-Boulder (C)	9,912	3,215	10,942	6,916
Laverton (S)	1 202	766	1.474	_
Leonora (S) Menzies (S)	1,797	366	1,473	
Ravensthorpe (S)	1,432	<del>-</del>	<del></del>	<del></del>
•		3,948	-1040	
Total	15,164		12,940	7,736
		TATISTICAL DIVISION		
Carnamah (S)	228	<del>_</del>	<del>_</del>	
Carnarvon (S)	1,111	518	404	1,736
Chapman Valley (S)	113	104		_
Coorow (S)	130	<del>-</del>	140 99	70
Cue (\$)	240	<del>_</del>	10 l	, /υ
Exmouth (S) Geraldton (C)	. 4,914	1,996	3,350	1,477
Greenough (S)	1,887	53	3,350	250
Irwin (S)	535	- 650		
Meekatharra (S)	1,591	56	· · · · · · · · · · · · · · · · · · ·	267
Mingenew (S)		<u> </u>		
Morawa (S)	1,815		<u> </u>	
Mount Magnet (S)	_	_	_	_
Mullewa (S)	186	<del></del>	_	260
Murchison (S)		<del></del>	170	
Ngaanyatjarraku (S) (c)	_	<del></del>	***	_
Northampton (S)	151	120	250	
Perenjori (S)	<del>-</del>	· —	<del>_</del>	·-
Sandstone (S)	_	<del></del>	· —	
Shark Bay (S)	200	<del></del>	47	90
Three Springs (S)	<del></del>		_	<del></del>
Upper Gascoyne (S)	171	· —	5 200	
Wilma (S) (c)	171	<del>_</del>	5,290	
Yalgoo (S) Total	13,271		9,851	4,149
·	PILBARA S	TATISTICAL DIVISION		. • • <del></del>
Ashburton (S)	2,283		1,059	13,956
East Pilbara (S)	1,703	209	3,236	2,591
Port Hedland (T)	6,993	227	1,691	2,561
Roebourne (S)	12,279	10,253	1,070	250
Total	23,258	10,689	7,055	19,357
<u>- · · · · · · · · · · · · · · · · · · ·</u>	KIMBERLEY	STATISTICAL DIVISION		
Broome (S)	2,339	1,414	538	1,489
Derby-West Kimberley (S)	1,920	530	1,124	_
Halls Creek (S)	707		1,321	663
Wyndham-East Kimberley (S)	4,917	948	199 .	690
Total	9,883	2,892	3,182	2,842
	STA	TE SUMMARY		
Statistical division—				
Porth	766,196	98,642	145,044	530,465
South-West	35,399	10,390	12,688	29,205 5.479
Lower Great Southern	12,416	3,686	3,342	5,479 2,664
Upper Great Southern	2,037	250	2,978	21,200
Midlands	4,346 15.164	1,520 3,948	2,978 12,940	7,736
South-Eastern	15,164 13,271	3,497	9,851	4,149
Central Pilbara	13,271 23,258	10,689	7,055	19,357
ruoara Kimberley	23,278 9,883	2,892	3,182	2,842
•		135,514	197,079	623,098
WESTERN AUSTRALIA	881,970	153,314	251,015	020,070

<sup>(</sup>a) City councils are marked (C), Town councils (T) and Shire councils (S). (b) From 1 July 1993, Boddington (S) is part of the South-West Statistical Division. Formerly part of the Henry Creat Southern Statistical Division. (c) From 1 July 1993. Negative Research is a new Shire council. Formerly part of Wilma (S).

#### **EXPLANATORY NOTES**

#### Introduction

This publication contains detailed results from the quarterly Building Activity Survey.

- 2. The statistics are compiled on the basis of returns collected from builders and other individuals and organisations engaged in building activity. The quarterly survey consists of two components.
  - (a) A sample survey of private sector house building activity involving new house construction or alterations and additions valued at \$10,000 or more to houses.
  - (b) A complete enumeration of jobs involving construction of new residential buildings other than private sector houses, all alterations and additions to residential buildings (other than private sector houses) with an approval value of \$10,000 or more, and all non-residential building jobs with an approval value of \$50,000 or more.
- 3. From the September quarter 1990, only non-residential building jobs (both new and alterations and additions) with an approval value of \$50,000 or more are included in the survey. For the September quarter 1985 to June quarter 1990, the cut-off for inclusion was \$30,000 or more and prior to that it was \$10,000 or more. Care should be taken in interpreting data for specific classes of non-residential building.
- 4. The use of sample survey techniques in the Building Activity Survey means that reliable estimates of private sector house building activity, including alterations and additions to houses, are available only at the State/Territory and Australia levels with the exception of the Northern Territory. However, dwelling unit commencement data for regions below State level are shown in the monthly series of dwelling unit commencements compiled by State offices of the ABS. Data from this series, unlike those compiled from the Building Activity Survey, are based on information reported by local and other government authorities.

#### Scope and coverage

- 5. 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.
- Building jobs included in each quarter in the Building Activity Survey comprise those building jobs selected in previous quarters which have not been completed (or commenced) by the end of the previous quarter and those building jobs newly selected in the current quarter. The population list from which building jobs are selected for inclusion comprises all approved building jobs which were notified to the ABS up to but not including the last month of the reference quarter (e.g. up to the end of August in respect of the September quarter survey). This introduces a lag to the statistics in respect of those building jobs notified and commenced in the last month of the reference quarter (e.g. for the month of September in respect of the September quarter survey). For example, building jobs which were notified as approved in the month of June and which actually commenced in that month are shown as commencements in the September quarter. Similarly, building jobs which were notified in the month of September and which actually commenced in that month are shown as commencements in the December quarter.

#### **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 building.
- 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 caretakers' 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. The number of dwelling units created by alterations and additions to existing buildings, and through the construction of new non-residential buildings, is not included in the tables but is shown as a footnote to Table 1.
- 11. Commenced. A building job is regarded as commenced when the first physical building activity has been performed on site in the form of materials fixed in place and/or labour expended (this includes site preparation but excludes delivery of building materials, the drawing of plans and specifications and the construction of non-building infrastructures such as roads).
- 12. Under construction. A building job is regarded as being under construction at the end of a period if it has been commenced but has not been completed, and work on it has not been abandoned.
- 13. Completed. A building job is regarded as completed when building activity has progressed to the stage when the building can fulfil its intended function. In practice, the ABS regards buildings as completed when notified as such by respondents to the survey.

### Valuation of building jobs

- 14. The value series in this publication are derived from estimates reported on survey returns as follows.
  - (a) Value of building commenced or under construction represents the anticipated completion value based, where practicable, on estimated market or contract price of building jobs excluding the value of land and landscaping. Site preparation costs are included. Where building jobs proceed over several quarters,

- the anticipated completion value reported on the return for the first (commencement) quarter may be amended on returns for subsequent (under construction) quarters as the job nears completion.
- (b) Value of building completed represents the actual completion value based, where practicable, on the market or contract price of building jobs including site preparation costs but excluding the value of land and landscaping.
- (c) Value of building work done during the period represents the estimated value of building work actually carried out during the quarter on building jobs which have commenced.
- (d) Value of building work yet to be done represents the difference between the anticipated completion value and the estimated value of work done on building jobs up to the end of the period.

#### **Building classification**

- 15. Ownership. The 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.
- 16. Builder type. Houses are classified according to the type of builder as follows.
  - (a) Contractor-built houses are those constructed by a private recognised building contractor, either under contract, or in anticipation of sale or rental.
  - (b) Houses built by other than contract builders are those constructed by an owner (other than a recognised building contractor) or under the owner's direction, without the services of a single contractor responsible for the whole job. Houses built by businesses (other than recognised building contractors) and public sector organisations are also included in this category.
- 17. 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 a 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 where, for example, a student accommodation building on a university campus would be classified to Educational.
- Examples of the types of buildings included under each main functional heading are shown in the following list.
  - (a) Houses. Includes cottages, bungalows, detached caretakers'/managers' cottages, rectories.
  - (b) Other residential buildings. Includes blocks of flats, home units, attached townhouses, villa units, terrace houses, semi-detached houses, maisonettes.
  - (c) Hotels, etc. Includes motels, hostels, boarding houses, guest houses, holiday apartment buildings.

- (d) Shops. Includes retail shops, restaurants, cafes, taverns, dry cleaners, laundromats, hair salons, shopping arcades.
- (e) Factories. Includes paper mills, oil refinery buildings, brickworks, foundries, powerhouses, manufacturing laboratories, workshops as part of a manufacturing process.
- Offices. Includes banks, post offices, council chambers, head and regional offices.
- (g) Other business premises. Includes warehouses, storage depots, service stations, transport depots and terminals, electricity sub-station buildings, pumping station buildings, telephone exchanges, mail sorting centres, broadcasting stations, film studios.
- (h) Educational. Includes schools, colleges, kindergartens, libraries, museums, art galleries, research and teaching laboratories, theological colleges.
- (i) Religious. Includes churches, chapels, temples.
- Health. Includes hospitals, nursing homes, surgeries, clinics, medical centres.
- (k) Entertainment and recreational. Includes clubs, theatres, cinemas, public halls, gymnasiums, grandstands, squash courts, sports and recreation centres.
- (1) Miscellaneous. Includes law courts, homes for the aged (where medical care is not provided as a normal service), orphanages, gaols, barracks, mine buildings, glasshouses, livestock sheds, shearing sheds, fruit and skin drying sheds, public toilets, and ambulance, fire and police stations.

#### Reliability of the estimates

- Since the figures for private sector house building activity (including alterations and additions) are derived from information obtained from a sample of approved building jobs, they are subject to sampling error, that is, they may differ from the figures that would have been obtained if information for all approved jobs for the relevant period had been included in the survey. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because only a sample of approved jobs was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all approved jobs had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of sampling variability is the relative standard error, which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard errors of estimates provide an indication of the percentage errors likely to have occurred due to sampling, and are shown in Table 10.
- 20. An example of the use of relative standard errors is as follows. Assume that the estimate of the number of new private sector houses commenced during the latest quarter is 2,000 (for actual estimate see Table 2) and that the associated relative standard error is 2.5 per cent (for actual percentage see Table 10). There would then be about two chances in three that the number which would have been obtained if information had been collected about all approved private sector house jobs would have been within the range 1,950 to 2,050 (2.5 per cent of 2,000 is 50) and about nineteen chances in twenty that the number would have been within the range 1,900 to 2,100.

The imprecision due to sampling variability, which is measured by the relative standard error, should not be confused with inaccuracies that may occur because of inadequacies in the source of building approval information, imperfections in reporting by respondents, and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as non-sampling error, and may occur in any enumeration whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by the careful design of questionnaires, efforts to obtain responses for all selected building jobs, and efficient operating procedures.

#### Seasonal adjustment

- 22. Seasonally adjusted building statistics are shown in Tables 4, 5 and 7. In the seasonally adjusted series, account has been taken of normal seasonal factors and trading day effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the quarter) and the effect of movement in the date of Easter which may, in successive years, affect figures for different quarters. In this publication (i.e. the December quarter issue) the seasonally adjusted series have been revised as a result of the annual re-analysis of seasonal factors. Details of the methods used in seasonally adjusting the series are given in Seasonally Adjusted Indicators, Australia (1308.0).
- Since seasonally adjusted statistics reflect both irregular and trend movements, an upward or downward movement in a seasonally adjusted series does not necessarily indicate a change of trend. Particular care should therefore be taken in interpreting individual quarter to quarter movements. Each of the component series shown has been seasonally adjusted independently. As a consequence, while the unadjusted components in the original series shown add to the totals, 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 optimal 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.

#### Estimates at constant prices

- 24. Estimates of the value of commencements and work done at average 1989-90 prices are shown in Tables 6 and 7. 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 in this publication 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'.
- 25. 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).
- 26. The factors used to seasonally adjust the constant price series are identical to those used to adjust the corresponding current price series.

#### Australian Standard Geographical Classification

Area statistics are classified according to the Australian Standard Geographical Classification. Figures previously published for local government areas and statistical divisions are directly comparable with this classification except for the cities of Perth, Fremantle and Stirling which are obtained by aggregating the component statistical local areas.

#### Unpublished data and related publications

- 28. The ABS can also make available certain building approvals and activity 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, floppy disk and clerically extracted tabulation. For details of what further information is available and its cost, please telephone this publication's contact officer (shown on the front page).
- 29. Users may also wish to refer to the following building and construction publications which are available on request:

Building Approvals, Australia (8731.0) – monthly (\$13.50) Building Approvals, Western Australia (8731.5) – monthly (\$11.00)

Dwelling Unit Commencements Reported by Approving Authorities, Western Australia (8741.5) — monthly (\$11.00)

Building Activity, Australia: Dwelling Unit Commencements, Preliminary (8750.0) - quarterly (\$11.00) Building Activity, Australia (8752.0) - quarterly (\$14.50) Engineering Construction Activity, Australia (8762.0) quarterly (\$11.00)

Construction Activity at Constant Prices, Australia (8782.0) - quarterly (\$11.00)

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

P.C. KELLY
Deputy Commonwealth Statistician
and Government Statist



-1, 559, 1995

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