

BUILDING APPROVALS

WESTERN AUSTRALIA

June 1995

MAIN FEATURES

The number of houses approved in June 1995 decreased by 4.8 per cent when compared with May 1995 and decreased by 31.0 per cent when compared with June 1994.

The number of total dwelling units approved in June 1995 increased by 0.1 per cent when compared with May 1995 and decreased by 32.5 per cent when compared with June 1994. The total number of dwelling units approved in the 1994-95 financial year was 22,427. This is 16.2 per cent lower than the 26,776 dwelling units approved in the 1993-94 financial year.

The provisional trend for total dwelling approvals fell 2.7 per cent in June 1995, following a 4.1 per cent fall in May 1995. This trend will continue to fall unless there is a rise of more than 0.7 per cent in the July 1995 seasonally adjusted figure. The historical average monthly movement of this series regardless of sign is 7.4 per cent.

Comparisons with previous periods are:

Month to month

	<i>June 1995</i>	<i>May 1995</i>	<i>% change</i>	<i>June 1994</i>	<i>% change</i>
Houses	1,301	1,367	-4.8	1,885	-31.0
Total dwelling units	1,795	1,794	0.1	2,661	-32.5

Three month moving average

	<i>June 1995</i>	<i>May 1995</i>	<i>% change</i>	<i>June 1994</i>	<i>% change</i>
Houses	1,207	1,192	1.3	1,764	-31.6
Total dwelling units	1,590	1,578	0.8	2,478	-35.8

P.C. Kelly
Deputy Commonwealth Statistician
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PHONE INQUIRIES

Contact Mr David Brown on (09) 360 5129 for further information about statistics in this publication and the availability of related unpublished statistics. Other inquiries, including copies of publications, contact Information Services on (09) 360 5140.

MAIL INQUIRIES

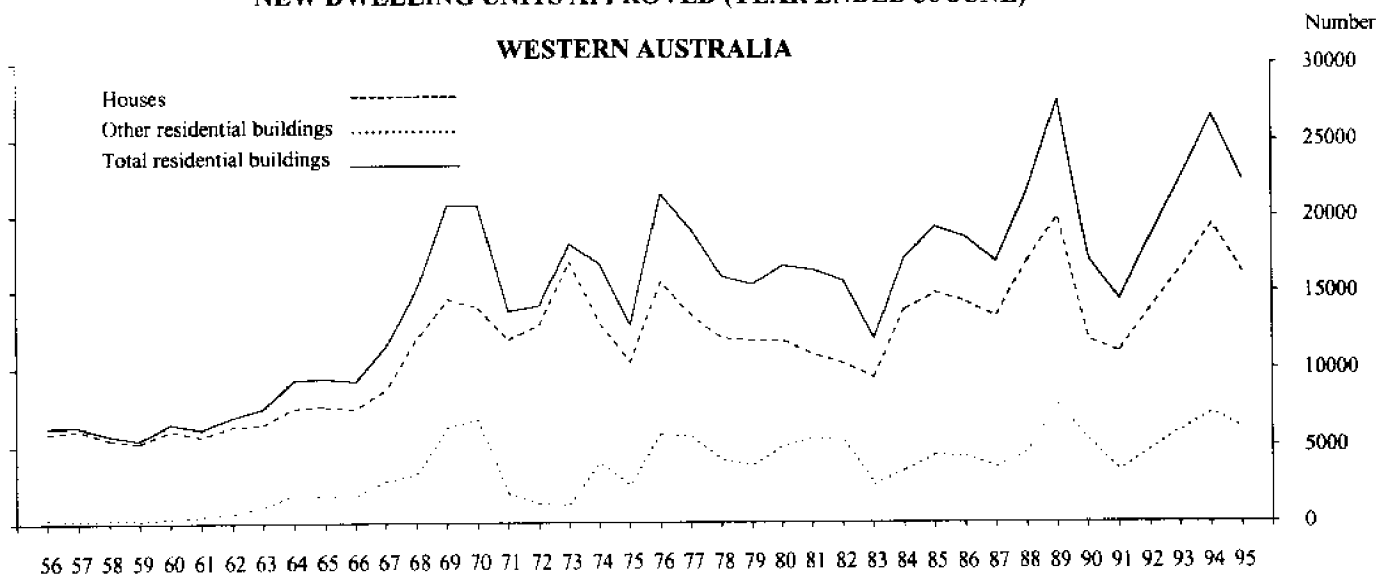
Write to Information Services, Australian Bureau of Statistics, Exchange Plaza, 2 The Esplanade, Perth WA 6000.

ELECTRONIC SERVICES

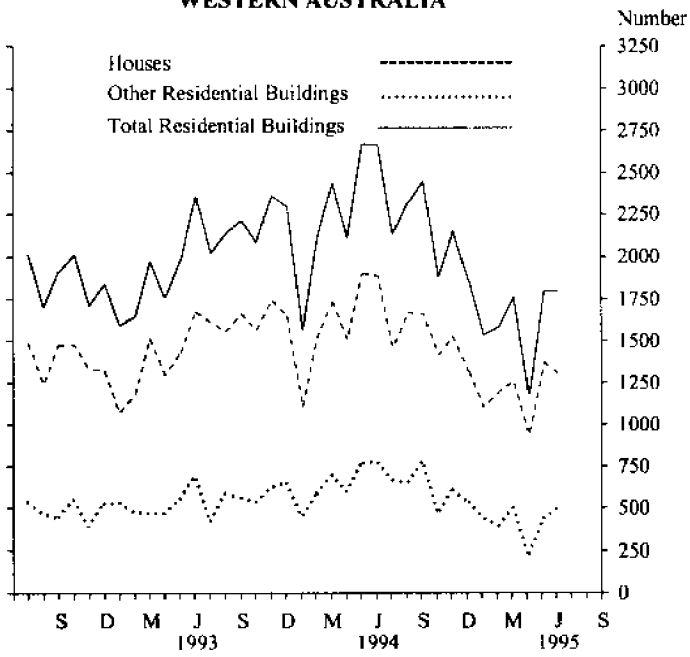
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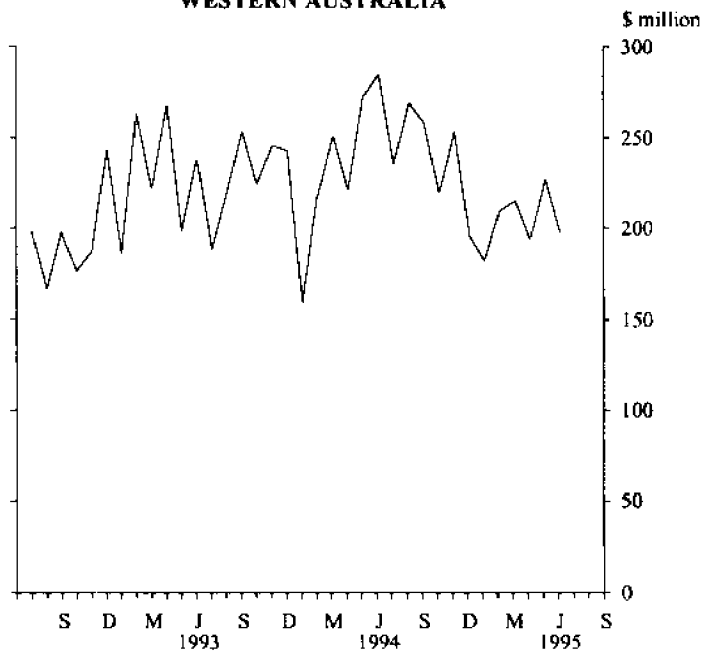
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NEW DWELLING UNITS APPROVED (YEAR ENDED 30 JUNE)**WESTERN AUSTRALIA**

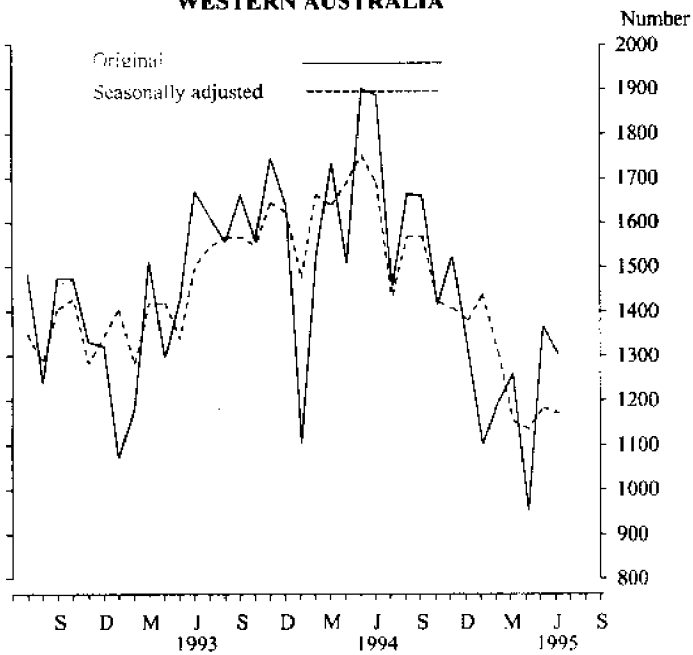
**NEW DWELLING UNITS APPROVED
WESTERN AUSTRALIA**



**TOTAL VALUE OF BUILDING APPROVED
WESTERN AUSTRALIA**



**NEW HOUSES APPROVED
WESTERN AUSTRALIA**



**NEW HOUSES APPROVED
WESTERN AUSTRALIA**

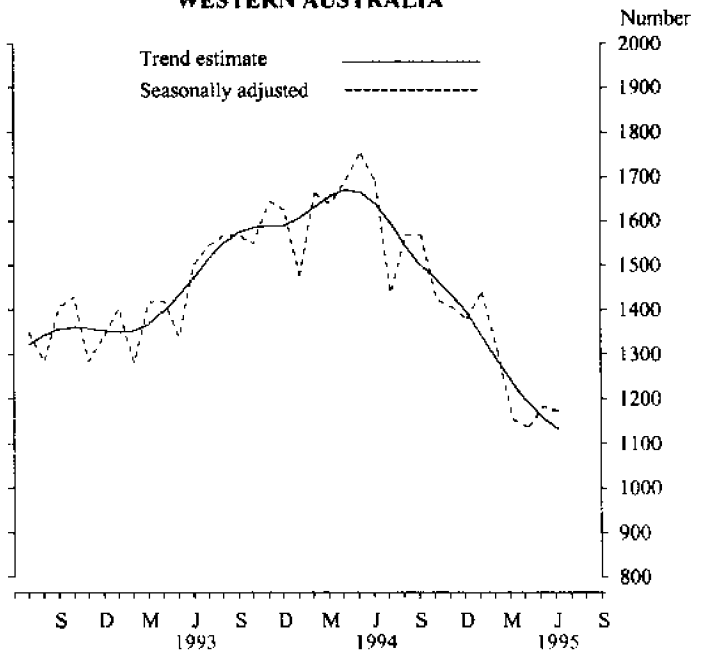


TABLE 1. NUMBER OF DWELLING UNITS APPROVED

Period	New houses			New other residential buildings			Conversions, etc.	Total (a)		
	Private sector	Public sector	Total	Private sector	Public sector	Total		Private sector	Public sector	Total
PERTH STATISTICAL DIVISION										
1992-93	11,618	285	11,903	3,448	1,540	4,988	60	15,126	1,825	16,951
1993-94	13,899	321	14,220	4,924	929	5,853	177	18,986	1,264	20,250
1994-95	11,238	255	11,493	4,430	509	4,939	98	15,765	765	16,530
<i>1994—</i>										
April	1,109	5	1,114	429	49	478	11	1,549	54	1,603
May	1,321	52	1,373	473	152	625	2	1,796	204	2,000
June	1,317	81	1,398	465	161	626	6	1,788	242	2,030
July	1,061	44	1,105	489	60	549	10	1,560	104	1,664
August	1,216	10	1,226	523	6	529	9	1,747	17	1,764
September	1,174	—	1,174	580	43	623	10	1,764	43	1,807
October	1,007	7	1,014	365	28	393	7	1,379	35	1,414
November	1,127	22	1,149	513	22	535	23	1,663	44	1,707
December	867	1	868	362	66	428	16	1,245	67	1,312
<i>1995—</i>										
January	783	27	810	307	44	351	3	1,093	71	1,164
February	794	41	835	258	29	287	6	1,058	70	1,128
March	790	36	826	364	33	397	6	1,160	69	1,229
April	625	15	640	169	5	174	4	798	20	818
May	947	35	982	297	54	351	1	1,245	89	1,334
June	847	17	864	203	119	322	3	1,053	136	1,189
WESTERN AUSTRALIA										
1992-93	16,036	449	16,485	4,081	1,913	5,994	89	20,206	2,362	22,568
1993-94	18,966	471	19,437	5,938	1,206	7,144	195	25,085	1,691	26,776
1994-95	15,783	424	16,207	5,297	808	6,105	115	21,194	1,233	22,427
<i>1994—</i>										
April	1,473	34	1,507	492	95	587	11	1,976	129	2,105
May	1,828	72	1,900	541	223	764	3	2,372	295	2,667
June	1,779	106	1,885	554	216	770	6	2,339	322	2,661
July	1,407	51	1,458	587	71	658	12	2,006	122	2,128
August	1,642	23	1,665	631	13	644	11	2,283	37	2,320
September	1,655	5	1,660	706	67	773	12	2,373	72	2,445
October	1,407	8	1,415	425	28	453	10	1,842	36	1,878
November	1,498	24	1,522	566	36	602	25	2,089	60	2,149
December	1,290	24	1,314	437	89	526	16	1,743	113	1,856
<i>1995—</i>										
January	1,069	31	1,100	379	52	431	4	1,452	83	1,535
February	1,142	53	1,195	324	59	383	8	1,474	112	1,586
March	1,201	57	1,258	445	51	496	7	1,653	108	1,761
April	920	32	952	198	24	222	6	1,124	56	1,180
May	1,317	50	1,367	352	74	426	1	1,670	124	1,794
June	1,235	66	1,301	247	244	491	3	1,485	310	1,795

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

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

Period	New residential building									Alterations and additions to residential buildings	Non-residential building		Total building	
	Houses			Other residential buildings			Total				Private sector	Total	Private sector	Total
	Private sector	Public sector	Total	Private sector	Public sector	Total	Private sector	Public sector	Total					
PERTH STATISTICAL DIVISION														
1992-93	822.1	17.7	839.7	188.9	92.3	281.2	1,010.9	109.9	1,120.9	113.3	463.2	715.9	1,585.3	1,950.1
1993-94	1,067.8	19.2	1,087.0	319.3	58.6	377.9	1,387.1	77.8	1,464.8	122.0	388.1	492.4	1,896.8	2,079.3
1994-95	928.5	17.9	946.4	302.5	31.6	334.1	1,231.0	49.5	1,280.6	126.1	438.5	555.5	1,795.5	1,962.2
1994—														
April	89.7	0.3	90.0	27.3	2.6	29.9	116.9	2.9	119.8	11.3	28.8	38.9	157.0	170.0
May	104.7	3.1	107.8	29.7	9.5	39.2	134.4	12.6	147.0	10.6	49.7	50.8	194.6	208.3
June	104.8	4.7	109.5	35.3	10.0	45.3	140.1	14.7	154.9	9.3	33.6	41.4	183.0	205.6
July	89.4	3.5	92.9	32.9	3.5	36.4	122.3	7.0	129.2	10.2	41.2	42.7	173.7	182.2
August	97.6	0.7	98.4	33.7	0.4	34.0	131.3	1.1	132.4	12.9	42.2	63.0	186.4	208.2
September	91.1	—	91.1	36.3	2.7	38.9	127.4	2.7	130.0	10.9	40.6	47.2	178.9	188.2
October	80.7	0.4	81.1	25.7	1.7	27.4	106.4	2.0	108.4	12.0	41.3	47.0	159.6	167.4
November	93.8	1.4	95.1	34.2	1.4	35.5	127.9	2.7	130.7	13.8	37.8	58.9	179.6	203.4
December	72.0	0.1	72.0	22.7	3.9	26.6	94.7	4.0	98.7	8.5	31.0	32.4	134.1	139.6
1995—														
January	63.5	1.7	65.2	18.2	2.3	20.5	81.7	4.0	85.7	9.2	29.5	37.4	120.4	132.3
February	68.8	2.6	71.4	17.0	2.2	19.1	85.7	4.8	90.5	9.7	21.5	54.0	116.8	154.2
March	71.7	2.9	74.5	28.5	2.2	30.7	100.2	5.0	105.2	12.0	29.7	29.8	141.9	147.0
April	52.1	1.0	53.2	12.1	0.4	12.5	64.2	1.4	65.6	8.0	53.9	65.1	126.1	138.8
May	79.4	2.3	81.7	25.3	4.4	29.7	104.7	6.7	111.4	10.0	39.6	45.8	154.2	167.2
June	68.5	1.4	69.9	16.0	6.8	22.8	84.5	8.2	92.7	8.9	30.4	32.2	123.8	133.7
WESTERN AUSTRALIA														
1992-93	1,138.8	34.9	1,173.7	227.6	118.1	345.7	1,366.4	153.0	1,519.4	137.1	591.3	889.6	2,091.8	2,546.1
1993-94	1,469.3	34.4	1,503.7	382.5	78.5	461.0	1,851.8	112.9	1,964.7	150.0	513.1	667.0	2,513.8	2,781.7
1994-95	1,319.8	34.5	1,354.3	366.3	54.0	420.3	1,686.1	88.5	1,774.6	156.2	580.9	728.2	2,422.9	2,659.0
1994—														
April	119.6	3.2	122.8	32.0	6.0	38.0	151.6	9.2	160.8	13.5	35.5	46.6	200.4	220.9
May	147.0	4.9	151.9	34.5	13.9	48.4	181.5	18.8	200.4	13.4	57.4	58.7	252.3	272.4
June	145.7	7.6	153.2	40.7	14.8	55.4	186.3	22.3	208.7	12.0	46.0	63.7	244.3	284.4
July	119.4	4.0	123.3	40.1	4.4	44.4	159.4	8.3	167.8	12.7	51.5	55.0	223.6	235.5
August	132.7	2.1	134.8	41.6	0.8	42.4	174.3	2.9	177.3	14.9	54.2	77.1	243.4	269.3
September	133.1	0.5	133.6	45.0	4.3	49.2	178.1	4.8	182.8	14.0	50.9	61.9	243.0	258.7
October	113.1	0.5	113.6	30.1	1.7	31.7	143.2	2.1	145.3	14.6	48.3	60.2	206.0	220.1
November	127.4	1.6	129.0	38.0	2.3	40.4	165.4	3.9	169.3	16.3	46.4	68.0	228.1	253.6
December	107.9	2.2	110.1	27.6	5.7	33.3	135.4	7.9	143.4	10.6	39.9	42.0	185.9	196.0
1995—														
January	88.2	2.4	90.6	22.9	2.9	25.8	111.1	5.3	116.4	11.3	40.5	54.8	162.8	182.5
February	97.9	4.1	102.0	22.6	4.2	26.8	120.5	8.3	128.8	12.5	34.2	68.3	167.1	209.6
March	106.7	4.7	111.4	35.5	3.6	39.0	142.2	8.3	150.4	14.9	48.2	50.1	205.3	215.5
April	79.1	2.7	81.7	14.0	2.2	16.1	93.0	4.8	97.9	10.3	73.6	85.8	176.9	193.9
May	111.5	3.7	115.2	29.5	6.2	35.7	141.0	9.9	151.0	12.9	54.7	63.3	208.6	227.2
June	102.9	6.1	109.0	19.4	15.9	35.3	122.3	22.0	144.3	11.2	38.5	41.6	172.0	197.1

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

Period	Houses				Total			
	Private sector		Total		Private sector		Total	
	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate
	<i>1994</i>							
April	1,681	1,637	1,689	1,670	2,232	2,159	2,248	2,286
May	1,681	1,621	1,752	1,665	2,190	2,143	2,374	2,282
June	1,635	1,589	1,689	1,640	2,169	2,120	2,348	2,263
July	1,358	1,546	1,436	1,595	1,916	2,092	2,048	2,230
August	1,544	1,500	1,568	1,543	2,089	2,063	2,152	2,193
September	1,564	1,466	1,570	1,500	2,090	2,039	2,284	2,160
October	1,396	1,439	1,424	1,467	2,019	2,008	2,071	2,121
November	1,341	1,410	1,407	1,435	1,940	1,957	2,074	2,063
December	1,371	r1,368	1,379	r1,394	1,865	r1,874	2,041	r1,974
<i>1995—</i>								
January	1,440	r1,311	1,439	r1,341	1,874	r1,766	1,824	r1,857
February	1,260	r1,253	1,308	r1,285	1,642	1,652	1,767	r1,736
March	1,107	r1,201	1,155	r1,235	1,454	r1,549	1,653	r1,633
April	1,103	r1,155	1,136	r1,191	1,378	r1,459	1,357	r1,550
May	1,137	r1,120	1,183	r1,157	1,479	r1,386	1,513	r1,486
June	1,154	1,095	1,172	1,132	1,329	1,332	1,556	1,446

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

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

Period	New residential building				Alterations and additions to residential buildings	Non-residential building		Total building	
	Houses		Other residential buildings	Total		Private sector	Total	Private sector	Total
	Private sector	Total							
1991-92	1,052.9	1,079.9	256.1	1,336.1	140.4	298.3	491.3	1,645.9	1,967.9
1992-93	1,261.4	1,300.1	341.2	1,641.4	151.7	579.6	872.0	2,207.3	2,665.1
1993-94	1,580.5	1,617.4	453.3	2,070.7	161.4	501.0	651.3	2,613.2	2,883.4
<i>1993—</i>									
Dec. qtr.	393.7	402.7	109.5	512.2	41.8	129.8	186.6	657.2	740.6
<i>1994—</i>									
Mar. qtr.	367.4	371.3	112.7	484.0	41.0	103.2	126.6	606.4	651.6
June qtr.	437.7	454.3	139.0	593.3	41.3	135.2	164.4	717.9	799.0
Sept. qtr.	398.3	405.1	132.8	537.8	43.0	151.9	188.2	715.8	769.0
Dec. qtr.	359.5	363.9	102.3	466.2	42.8	130.2	164.6	624.4	673.6
<i>1995—</i>									
Mar. qtr.	300.3	311.7	88.9	400.5	39.7	118.5	167.3	535.8	607.5

(a) See paragraphs 22-27 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up to date information on prices and commodity compositions becomes available.

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

Class of building	1992-93	1993-94	1994-95	1995			
				March	April	May	June
PRIVATE SECTOR							
New houses	1,138.8	1,469.3	1,319.8	106.7	79.1	111.5	102.9
New other residential buildings	227.6	382.5	366.3	35.5	14.0	29.5	19.4
<i>Total new residential building</i>	<i>1,366.4</i>	<i>1,851.8</i>	<i>1,686.1</i>	<i>142.2</i>	<i>93.0</i>	<i>141.0</i>	<i>122.3</i>
Alterations and additions to residential buildings	134.1	148.9	155.9	14.9	10.3	12.9	11.2
Hotels, etc.	10.7	30.3	46.9	7.8	2.4	7.1	2.0
Shops	212.8	151.3	131.8	13.2	26.4	8.1	12.4
Factories	41.2	55.4	79.5	4.6	3.8	5.6	3.8
Offices	44.4	53.7	85.1	6.8	19.4	8.4	5.9
Other business premises	100.3	89.9	90.8	3.6	11.2	9.2	7.0
Educational	28.8	41.0	30.2	2.5	1.3	0.1	0.4
Religious	4.2	9.1	5.7	0.5	0.3	1.9	0.8
Health	79.8	28.8	32.2	2.8	2.0	0.7	3.7
Entertainment and recreational	24.4	25.7	28.3	0.1	0.6	2.0	0.3
Miscellaneous	44.7	27.9	50.2	6.3	6.2	11.5	2.0
<i>Total non-residential building</i>	<i>591.3</i>	<i>313.1</i>	<i>580.9</i>	<i>48.2</i>	<i>73.6</i>	<i>54.7</i>	<i>38.5</i>
Total	2,091.8	2,513.8	2,422.9	205.3	176.9	208.6	172.0
PUBLIC SECTOR							
New houses	34.9	34.4	34.5	4.7	2.7	3.7	6.1
New other residential buildings	118.1	78.5	54.0	3.6	2.2	6.2	15.9
<i>Total new residential building</i>	<i>153.0</i>	<i>112.9</i>	<i>88.5</i>	<i>8.3</i>	<i>4.8</i>	<i>9.9</i>	<i>22.0</i>
Alterations and additions to residential buildings	3.0	1.1	0.2	—	—	—	—
Hotels, etc.	0.2	—	1.6	1.5	—	0.1	—
Shops	2.0	1.8	4.4	—	2.6	0.1	0.3
Factories	4.6	1.3	0.7	—	—	0.5	0.1
Offices	67.6	27.7	30.9	0.3	8.5	1.6	0.6
Other business premises	12.2	17.4	6.8	—	—	—	0.3
Educational	98.6	61.0	52.1	—	—	2.5	—
Religious	—	—	—	—	—	—	—
Health	22.1	23.4	3.8	—	—	—	—
Entertainment and recreational	49.7	13.7	7.7	—	0.8	1.7	1.3
Miscellaneous	41.3	7.6	39.3	0.1	0.3	2.2	0.6
<i>Total non-residential building</i>	<i>298.3</i>	<i>153.9</i>	<i>147.3</i>	<i>1.9</i>	<i>12.2</i>	<i>8.7</i>	<i>3.1</i>
Total	454.3	267.9	236.1	10.2	17.0	18.6	25.1
TOTAL							
New houses	1,173.7	1,503.7	1,354.3	111.4	81.7	115.2	109.0
New other residential buildings	345.7	461.0	420.3	39.0	16.1	35.7	35.3
<i>Total new residential building</i>	<i>1,519.4</i>	<i>1,964.7</i>	<i>1,774.6</i>	<i>150.4</i>	<i>97.9</i>	<i>151.0</i>	<i>144.3</i>
Alterations and additions to residential buildings	137.1	150.0	156.2	14.9	10.3	12.9	11.2
Hotels, etc.	10.8	30.3	48.5	9.4	2.4	7.2	2.0
Shops	214.8	153.1	136.2	13.2	29.0	8.2	12.7
Factories	45.8	56.7	80.3	4.6	3.8	6.1	3.9
Offices	112.0	81.3	116.0	7.1	27.9	10.0	6.5
Other business premises	112.5	107.3	97.7	3.6	11.2	9.2	7.2
Educational	127.4	102.1	82.3	2.5	1.3	2.6	0.4
Religious	4.2	9.1	5.7	0.5	0.3	1.9	0.8
Health	101.9	52.2	36.0	2.8	2.0	0.7	3.7
Entertainment and recreational	74.0	39.5	36.0	0.1	1.4	3.6	1.6
Miscellaneous	86.0	35.5	89.5	6.4	6.5	13.7	2.6
<i>Total non-residential building</i>	<i>889.6</i>	<i>667.0</i>	<i>728.2</i>	<i>50.7</i>	<i>85.8</i>	<i>63.3</i>	<i>41.6</i>
Total	2,546.1	2,781.7	2,659.0	215.5	193.9	227.2	197.1

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

Period	\$50,000 to less than \$200,000		\$200,000 to less than \$500,000		\$500,000 to less than \$1m		\$1m to less than \$5m		\$5m and over		Total	
	No.	Value (\$m)	No.	Value (\$m)	No.	Value (\$m)	No.	Value (\$m)	No.	Value (\$m)	No.	Value (\$m)
HOTELS, ETC.												
1995 April	1	0.2	2	0.5	1	0.5	1	1.3	—	—	5	2.4
May	3	0.3	5	1.2	1	0.8	—	—	1	5.0	10	7.2
June	2	0.2	3	0.6	—	—	1	1.2	—	—	6	2.0
SHOPS												
1995 April	13	1.1	5	1.9	1	0.9	2	4.6	1	20.5	22	29.0
May	19	1.9	6	1.9	4	2.8	1	1.6	—	—	30	8.2
June	10	1.3	17	5.3	2	1.2	2	5.0	—	—	31	12.7
FACTORIES												
1995 April	8	1.0	8	2.8	—	—	—	—	—	—	16	3.8
May	16	1.9	5	1.3	3	1.9	1	1.1	—	—	25	6.1
June	14	1.3	9	2.5	—	—	—	—	—	—	23	3.9
OFFICES												
1995 April	9	0.8	—	—	—	—	5	15.1	2	12.0	16	27.9
May	17	1.8	7	1.7	2	1.4	2	5.1	—	—	28	10.0
June	13	1.3	8	2.3	1	0.8	2	2.2	—	—	24	6.5
OTHER BUSINESS PREMISES												
1995 April	5	0.5	7	1.8	6	4.4	1	4.5	—	—	19	11.2
May	15	1.4	7	1.9	1	0.8	3	5.1	—	—	26	9.2
June	14	1.4	7	2.4	4	2.4	1	1.0	—	—	26	7.2
EDUCATIONAL												
1995 April	—	—	1	0.4	1	1.0	—	—	—	—	2	1.3
May	1	0.1	1	0.3	—	—	1	2.3	—	—	3	2.6
June	2	0.2	1	0.2	—	—	—	—	—	—	3	0.4
RELIGIOUS												
1995 April	—	—	1	0.3	—	—	—	—	—	—	1	0.3
May	1	0.1	2	0.5	—	—	1	1.3	—	—	4	1.9
June	—	—	2	0.8	—	—	—	—	—	—	2	0.8
HEALTH												
1995 April	—	—	2	0.6	—	—	1	1.5	—	—	3	2.0
May	2	0.2	—	—	1	0.5	—	—	—	—	3	0.7
June	6	0.8	1	0.5	—	—	1	2.5	—	—	8	3.7
ENTERTAINMENT AND RECREATIONAL												
1995 April	—	—	2	0.6	1	0.8	—	—	—	—	3	1.4
May	1	0.1	—	—	—	—	2	3.6	—	—	3	3.6
June	5	0.5	2	0.5	1	0.6	—	—	—	—	8	1.6
MISCELLANEOUS												
1995 April	18	1.8	9	2.4	3	2.2	—	—	—	—	30	6.5
May	17	1.4	12	3.6	3	2.0	4	6.7	—	—	36	13.7
June	8	0.8	4	1.2	1	0.7	—	—	—	—	13	2.6
TOTAL NON-RESIDENTIAL BUILDING												
1995 April	54	5.5	37	11.2	13	9.8	10	26.8	3	32.5	117	85.8
May	92	9.0	45	12.5	15	10.2	15	26.7	1	5.0	168	63.3
June	74	7.8	54	16.3	9	5.6	7	11.9	—	—	144	41.6

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JUNE 1995

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
PERTH STATISTICAL DIVISION										
Cambridge (T)	12	—	2,743	2	—	145	432	2,266	2,266	5,586
Claremont (T)	1	—	147	—	—	—	664	—	—	811
Cottesloe (T)	4	—	495	6	—	1,155	498	—	—	2,148
Mosman Park (T)	1	—	220	—	—	—	36	—	—	256
Nedlands (C)	8	—	1,757	—	—	—	403	290	385	2,545
Peppermint Grove (S)	—	—	—	—	—	—	15	—	—	15
Perth (C) — Inner	—	—	—	—	—	—	—	520	900	900
Perth (C) — Remainder	—	1	250	18	2	1,760	—	1,460	1,460	3,470
Subiaco (C)	2	—	230	—	—	—	339	975	975	1,544
Victoria Park (T)	2	—	179	9	8	1,273	273	443	443	2,168
Vincent (T)	1	—	120	20	—	1,770	405	126	126	2,421
<i>Central Metropolitan (SSD)</i>	<i>31</i>	<i>1</i>	<i>6,141</i>	<i>55</i>	<i>10</i>	<i>6,103</i>	<i>3,066</i>	<i>6,080</i>	<i>6,554</i>	<i>21,863</i>
Bassendean (T)	4	1	361	—	9	610	20	1,330	1,330	2,321
Bayswater (C)	15	1	1,271	8	—	410	99	345	345	2,125
Kalamunda (S)	13	—	1,025	10	—	805	526	587	587	2,943
Mundaring (S)	26	—	2,158	—	—	—	245	557	557	2,960
Swan (S)	92	2	6,043	10	6	1,367	119	4,581	4,581	12,111
<i>East Metropolitan (SSD)</i>	<i>150</i>	<i>4</i>	<i>10,858</i>	<i>28</i>	<i>15</i>	<i>3,192</i>	<i>1,010</i>	<i>7,400</i>	<i>7,400</i>	<i>22,460</i>
Stirling (C) — Central	25	—	2,676	37	—	2,300	1,135	3,309	3,370	9,481
Stirling (C) — West	11	—	1,337	12	—	1,220	—	—	—	2,557
Stirling (C) — South-Eastern	1	—	120	4	—	231	—	—	—	351
Wanneroo (C)	228	6	16,025	8	15	1,189	629	6,234	6,234	24,076
<i>North Metropolitan (SSD)</i>	<i>265</i>	<i>6</i>	<i>20,158</i>	<i>61</i>	<i>15</i>	<i>4,940</i>	<i>1,764</i>	<i>9,543</i>	<i>9,604</i>	<i>36,466</i>
Cockburn (C)	73	—	6,006	10	9	1,039	271	1,220	1,220	8,536
East Fremantle (T)	1	—	100	—	—	—	65	—	422	587
Fremantle (C) — Inner	—	—	—	—	—	—	—	—	—	—
Fremantle (C) — Remainder	1	—	80	—	—	—	424	1,780	1,780	2,284
Kwinana (T)	6	—	316	—	—	—	—	240	240	556
Melville (C)	29	—	3,463	2	—	130	780	315	315	4,688
Rockingham (C)	113	—	7,596	—	27	1,306	55	1,124	1,124	10,082
<i>South West Metropolitan (SSD)</i>	<i>223</i>	<i>—</i>	<i>17,561</i>	<i>12</i>	<i>36</i>	<i>2,475</i>	<i>1,596</i>	<i>4,679</i>	<i>5,101</i>	<i>26,734</i>
Armadale (C)	20	2	1,464	—	7	441	74	485	485	2,463
Belmont (C)	33	2	2,445	—	—	—	115	—	—	2,560
Canning (C)	24	—	2,023	26	26	3,267	213	1,758	2,288	7,791
Gosnells (C)	70	2	5,287	7	10	888	193	200	514	6,882
Serpentine-Jarrahdale (S)	13	—	1,269	—	—	—	128	—	—	1,397
South Perth (C)	18	—	2,663	14	—	1,500	741	227	227	5,132
<i>South East Metropolitan (SSD)</i>	<i>178</i>	<i>6</i>	<i>15,150</i>	<i>47</i>	<i>43</i>	<i>6,095</i>	<i>1,465</i>	<i>2,670</i>	<i>3,514</i>	<i>26,224</i>
Total	847	17	69,868	283	119	22,806	8,899	30,372	32,174	133,747
SOUTH WEST STATISTICAL DIVISION										
Boddington (S)	—	—	—	—	—	—	—	—	—	—
Mandurah (C)	94	—	8,293	4	—	498	124	650	650	9,566
Murray (S)	4	—	441	—	—	—	20	—	—	461
Waroona (S)	2	—	144	—	—	—	10	—	—	154
<i>Dale (SSD)</i>	<i>100</i>	<i>—</i>	<i>8,877</i>	<i>4</i>	<i>—</i>	<i>498</i>	<i>154</i>	<i>650</i>	<i>650</i>	<i>10,180</i>
Bunbury (C)	13	11	1,685	—	8	400	89	530	530	2,704
Capel (S)	10	—	799	—	—	—	53	—	—	852
Collie (S)	—	—	—	—	—	—	—	—	—	—
Dardanup (S)	9	—	668	—	—	—	—	—	—	668
Donnybrook-Balingup (S)	4	—	200	—	6	336	35	—	—	572
Harvey (S)	14	—	1,235	—	—	—	183	380	380	1,798
<i>Preston (SSD)</i>	<i>50</i>	<i>11</i>	<i>4,588</i>	<i>—</i>	<i>14</i>	<i>736</i>	<i>360</i>	<i>910</i>	<i>910</i>	<i>6,594</i>

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JUNE 1995—continued

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
SOUTH WEST STATISTICAL DIVISION (continued)										
Augusta-Margaret River (S)	20	—	2,186	2	2	353	40	—	—	2,579
Busseton (S)	36	1	4,484	14	—	1,470	212	880	950	7,116
Vasse (SSD)	56	1	6,671	16	2	1,823	252	880	950	9,695
Boyup Brook (S)	1	—	110	—	—	—	—	—	—	110
Bridgetown-Greenbushes (S)	4	—	326	—	—	—	45	—	—	371
Manjimup (S)	5	—	346	—	—	—	30	—	—	376
Nannup (S)	3	—	160	—	—	—	—	—	—	160
Blackwood (SSD)	13	—	942	—	—	—	75	—	—	1,017
Total	219	12	21,077	20	16	3,057	841	2,440	2,510	27,487
LOWER GREAT SOUTHERN STATISTICAL DIVISION										
Broomehill (S)	—	—	—	—	—	—	—	—	—	—
Gnowangerup (S)	2	—	220	—	—	—	—	—	—	220
Jerramungup (S)	—	—	—	—	—	—	—	—	—	—
Katanning (S)	1	—	74	—	8	585	10	—	—	669
Kent (S)	—	—	—	—	—	—	—	—	—	—
Kojonup (S)	—	—	—	—	—	—	—	—	—	—
Tambellup (S)	—	—	—	—	—	—	—	—	—	—
Woodanilling (S)	1	—	26	—	—	—	—	—	—	26
Pallinup (SSD)	4	—	319	—	8	585	10	—	—	914
Albany (T)	6	9	1,322	2	28	2,175	145	80	80	3,722
Albany (S)	12	—	805	—	—	—	108	—	—	913
Cranbrook (S)	3	—	304	—	—	—	—	—	—	304
Denmark (S)	6	—	512	—	—	—	—	140	140	652
Plantagenet (S)	7	—	366	—	—	—	—	—	—	366
King (SSD)	34	9	3,309	2	28	2,175	253	220	220	5,957
Total	38	9	3,628	2	36	2,760	263	220	220	6,871
UPPER GREAT SOUTHERN STATISTICAL DIVISION										
Brookton (S)	—	—	—	—	—	—	—	64	64	64
Cuballing (S)	—	—	—	—	—	—	—	—	—	—
Dumbleyung (S)	—	—	—	—	—	—	—	—	—	—
Narrogin (T)	2	—	92	—	—	—	—	—	615	707
Narrogin (S)	—	—	—	—	—	—	—	—	—	—
Pingelly (S)	1	—	35	—	—	—	—	—	—	35
Wagin (S)	1	—	43	—	—	—	20	85	85	148
Wandering (S)	—	—	—	—	—	—	—	—	—	—
West Arthur (S)	—	—	—	—	—	—	—	—	—	—
Wickepin (S)	—	—	—	—	—	—	—	—	—	—
Williams (S)	1	—	61	—	—	—	—	—	—	61
Hotham (SSD)	5	—	231	—	—	—	20	149	764	1,015
Corrigin (S)	2	—	254	—	—	—	—	—	—	254
Kondinin (S)	—	—	—	—	—	—	—	—	—	—
Kulin (S)	—	—	—	—	—	—	—	—	—	—
Lake Grace (S)	1	—	92	—	—	—	—	—	—	92
Lakes (SSD)	3	—	347	—	—	—	—	—	—	347
Total	8	—	578	—	—	—	20	149	764	1,362

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JUNE 1995 *continued*

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	Total building (\$'000)
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
MIDLANDS STATISTICAL DIVISION										
Chittering (S)	3	—	214	—	—	—	35	640	640	889
Dandaragan (S)	2	—	154	—	—	—	12	—	—	166
Gingin (S)	9	—	590	—	—	—	—	190	452	1,042
Moora (S)	—	—	—	—	—	—	—	100	100	100
Victoria Plains (S)	—	—	—	—	—	—	—	—	—	—
Moore (SSD)	14	—	958	—	—	—	47	930	1,192	2,196
Beverley (S)	4	—	176	—	—	—	—	—	—	176
Cunderdin (S)	—	—	—	—	—	—	—	—	—	—
Dalwallinu (S)	—	—	—	—	—	—	33	—	100	133
Dowerin (S)	—	—	—	—	—	—	—	—	—	—
Goomalling (S)	—	—	—	—	—	—	—	—	—	—
Koorda (S)	—	—	—	—	—	—	—	—	—	—
Northam (T)	2	—	168	—	—	—	—	—	—	168
Northam (S)	3	—	201	—	8	534	679	—	—	1,414
Quairading (S)	—	—	—	—	—	—	—	—	—	—
Tammin (S)	—	—	—	—	—	—	—	—	—	—
Toodyay (S)	6	—	322	—	—	—	58	—	114	494
Wongan-Ballidu (S)	—	—	—	—	—	—	—	—	—	—
Wyalkatchem (S)	—	—	—	—	—	—	—	—	—	—
York (S)	7	—	527	—	—	—	—	—	—	527
Avon (SSD)	22	—	1,394	—	8	534	770	—	214	2,912
Bruce Rock (S)	—	—	—	—	—	—	—	—	70	70
Kellerberrin (S)	—	—	—	—	—	—	—	—	—	—
Merredin (S)	—	—	—	—	5	349	—	125	125	474
Mount Marshall (S)	—	—	—	—	—	—	—	—	—	—
Mukinbudin (S)	—	—	—	—	—	—	—	—	—	—
Narembeen (S)	—	—	—	—	—	—	—	—	—	—
Nungarin (S)	—	—	—	—	—	—	—	—	—	—
Frayning (S)	—	—	—	—	—	—	—	—	—	—
Westonia (S)	—	1	140	—	—	—	—	—	—	140
Yilgarn (S)	—	—	—	—	—	—	—	—	—	—
Campion (SSD)	—	1	140	—	5	349	—	125	195	684
Total	36	1	2,492	—	13	884	817	1,855	1,600	5,792
SOUTH EASTERN STATISTICAL DIVISION										
Coolgardie (S)	3	—	233	—	—	—	—	—	—	233
Kalgoorlie/Boulder (C)	14	2	1,318	17	—	979	62	1,120	1,120	3,478
Laverton (S)	—	—	—	—	—	—	—	—	—	—
Leonora (S)	—	—	—	—	—	—	—	—	—	—
Menzies (S)	—	—	—	—	—	—	—	—	—	—
Lefroy (SSD)	17	2	1,550	17	—	979	62	1,120	1,120	3,711
Dundas (S)	—	—	—	—	—	—	—	—	—	—
Esperance (S)	9	4	1,013	—	5	373	10	422	422	1,818
Ravensthorpe (S)	1	—	75	—	—	—	—	—	—	75
Johnston (SSD)	10	4	1,088	—	5	373	10	422	422	1,893
Total	27	6	2,638	17	5	1,352	72	1,542	1,542	5,604

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JUNE 1995—continued

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
CENTRAL STATISTICAL DIVISION										
Camaron (S)	2	5	807	—	—	—	12	180	180	999
Exmouth (S)	—	—	—	—	—	—	—	—	—	—
Shark Bay (S)	1	—	69	—	2	226	—	—	—	295
Upper Gascoyne (S)	—	—	—	—	—	—	—	—	—	—
Gascoyne (SSD)	3	5	876	—	2	226	12	180	180	1,294
Cue (S)	1	—	45	—	—	—	15	200	200	260
Meekatharra (S)	—	2	269	—	—	—	—	500	500	769
Mount Magnet (S)	—	—	—	—	—	—	—	—	—	—
Murchison (S)	—	—	—	—	—	—	—	—	—	—
Ngaanyatjarraku (S)	4	—	388	—	—	—	—	862	862	1,250
Sandstone (S)	1	—	52	—	—	—	—	—	—	52
Wiluna (S)	—	—	—	—	—	—	—	—	—	—
Yalgoo (S)	—	—	—	—	—	—	—	—	—	—
Carnegie (SSD)	6	2	754	—	—	—	15	1,562	1,562	2,331
Camamah (S)	—	1	74	—	4	295	—	—	—	369
Chapman Valley (S)	1	—	40	—	—	—	—	51	51	91
Coorow (S)	—	1	90	2	—	100	—	—	—	190
Geraldton (C)	6	1	1,221	—	38	2,808	59	252	252	4,340
Greenough (S)	17	—	1,640	—	—	—	91	—	—	1,731
Irwin (S)	2	—	143	—	—	—	30	—	—	173
Mingenew (S)	—	—	—	—	—	—	—	—	—	—
Morawa (S)	—	—	—	—	—	—	—	—	—	—
Mullewa (S)	—	—	—	—	—	—	—	—	—	—
Northampton (S)	2	—	145	—	—	—	37	—	—	182
Perenjori (S)	—	—	—	—	—	—	—	—	—	—
Three Springs (S)	—	—	—	—	—	—	—	—	—	—
Greenough River (SSD)	28	3	3,354	2	42	3,204	217	303	303	7,077
Total	37	10	4,983	2	44	3,429	244	2,045	2,045	10,701
PILBARA STATISTICAL DIVISION										
East Pilbara (S)	—	—	—	—	—	—	—	—	—	—
Port Hedland (T)	—	2	257	—	—	—	—	—	—	257
De Grey (SSD)	—	2	257	—	—	—	—	—	—	257
Ashburton (S)	—	—	—	—	—	—	—	—	50	50
Roebourne (S)	5	—	487	—	—	—	10	58	58	555
Fortescue (SSD)	5	—	487	—	—	—	10	58	108	605
Total	5	2	743	—	—	—	10	58	108	861
KIMBERLEY STATISTICAL DIVISION										
Halls Creek (S)	—	—	—	—	—	—	—	—	—	—
Wyndham-East Kimberley (S)	6	—	609	3	7	652	—	—	—	1,261
Ord (SSD)	6	—	609	3	7	652	—	—	—	1,261
Broome (S)	12	3	1,671	—	4	361	—	400	400	2,432
Derby-West Kimberley (S)	—	6	726	—	—	—	—	212	212	938
Fitzroy (SSD)	12	9	2,397	—	4	361	—	612	612	3,371
Total	18	9	3,006	3	11	1,014	—	612	612	4,632
WESTERN AUSTRALIA										
Western Australia	1,235	66	109,014	247	244	35,301	11,166	38,493	41,576	197,058

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

TABLE 8. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), 1994-95

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	Total building (\$'000)
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
PERTH STATISTICAL DIVISION										
Cambridge (T)	83	—	16,153	26	9	2,883	6,458	9,726	13,726	39,220
Claremont (T)	36	—	6,076	13	—	958	5,218	2,373	2,423	14,674
Cottesloe (T)	17	—	3,657	12	—	1,897	3,983	50	50	9,586
Mosman Park (T)	34	—	6,930	19	10	2,489	2,103	2,070	2,070	13,593
Nedlands (C)	110	36	24,382	45	7	4,161	9,016	1,337	4,677	42,236
Peppermint Grove (S)	7	—	1,880	—	—	—	1,133	4,355	4,355	7,367
Perth (C) — Inner	—	—	—	29	—	3,200	—	26,382	31,723	34,923
Perth (C) — Remainder	—	4	655	166	4	18,180	525	16,737	28,715	48,075
Subiaco (C)	34	—	4,584	34	—	3,457	4,123	17,402	18,152	30,315
Victoria Park (T)	66	1	4,994	217	25	16,841	1,300	12,657	17,278	40,413
Vincent (T)	40	—	3,664	134	2	11,304	5,358	4,555	9,238	29,564
Central Metropolitan (SSD)	427	41	72,975	695	57	65,369	39,217	97,642	132,407	309,967
Bassendean (T)	39	7	3,397	52	13	3,353	998	9,351	9,651	17,399
Bayswater (C)	177	7	15,302	39	7	2,133	2,952	7,483	7,483	27,871
Kalamunda (S)	221	—	19,602	54	2	3,795	5,428	4,562	8,367	37,192
Mundaring (S)	369	4	30,927	14	—	1,060	3,201	6,826	7,197	42,385
Swan (S)	1,386	30	95,749	87	28	6,354	2,787	25,548	32,645	137,534
East Metropolitan (SSD)	2,192	48	164,977	246	50	16,695	15,366	53,769	65,343	262,380
Stirling (C) — Central	333	—	37,081	953	85	60,199	7,050	22,788	33,266	137,595
Stirling (C) — West	118	1	12,633	502	20	37,153	5,059	8,080	8,420	63,266
Stirling (C) — South-Eastern	46	—	4,196	250	—	15,486	4,900	1,123	2,223	26,805
Wanneroo (C)	3,180	19	250,265	425	63	28,884	11,324	89,816	102,303	392,775
North Metropolitan (SSD)	3,677	20	304,175	2,130	168	141,721	28,333	121,808	146,213	620,441
Cockburn (C)	841	37	76,184	80	16	6,011	2,915	33,587	33,587	118,698
East Fremantle (T)	13	—	1,944	7	7	2,466	2,589	948	1,425	8,424
Fremantle (C) — Inner	1	—	165	—	—	—	210	1,220	3,777	4,152
Fremantle (C) — Remainder	90	9	9,381	113	—	11,880	5,590	16,756	18,180	45,030
Kwinana (T)	230	—	14,528	—	24	1,457	316	11,162	12,242	28,542
Melville (C)	353	1	47,320	249	52	23,414	11,041	11,331	16,874	98,649
Rockingham (C)	1,289	36	89,174	118	32	7,247	1,612	17,547	47,801	145,833
South West Metropolitan (SSD)	2,817	83	238,695	567	131	52,475	24,272	92,552	133,886	449,328
Armadale (C)	353	9	25,306	36	33	3,366	1,796	4,177	4,346	34,815
Belmont (C)	182	33	16,104	33	14	2,843	1,591	20,295	20,295	40,833
Canning (C)	429	—	36,386	332	26	19,524	4,957	32,867	36,281	97,149
Gosnellis (C)	870	18	57,069	142	26	8,514	2,797	9,245	9,815	78,195
Serpentine-Jarrahdale (S)	177	—	14,620	32	—	1,800	1,043	3,199	3,199	20,662
South Perth (C)	114	3	16,118	217	4	21,821	6,725	2,978	3,765	48,430
South East Metropolitan (SSD)	2,125	63	165,603	792	103	57,868	18,910	72,760	77,701	320,083
Total	11,238	255	946,425	4,430	509	334,129	126,098	438,532	555,549	1,962,199
SOUTH WEST STATISTICAL DIVISION										
Boddington (S)	10	—	772	—	—	—	46	—	—	819
Mandurah (C)	1,031	10	83,316	238	20	19,954	2,520	10,890	11,880	117,671
Murray (S)	132	—	10,759	—	3	187	1,388	1,272	1,272	13,606
Waroona (S)	40	—	2,732	—	—	—	211	345	345	3,288
Dale (SSD)	1,213	10	97,580	238	23	20,141	4,165	12,507	13,497	135,383
Bunbury (C)	151	25	15,295	34	14	3,364	1,482	7,673	13,578	33,718
Capel (S)	76	—	6,046	2	—	86	278	341	341	6,752
Collie (S)	18	1	1,613	—	—	—	363	—	—	1,976
Dardanup (S)	123	—	9,636	—	—	—	353	585	585	10,574
Donnybrook-Balingup (S)	43	—	3,398	—	6	336	279	—	—	4,013
Harvey (S)	195	1	17,814	—	8	512	1,072	3,048	3,884	23,282
Preston (SSD)	606	27	53,802	36	28	4,299	3,827	11,647	18,387	80,315

For footnote, see end of table.

TABLE 8. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), 1994-95—continued

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
SOUTH WEST STATISTICAL DIVISION (continued)										
Augusta-Margaret River (S)	117	5	12,014	37	2	2,724	999	6,253	8,173	24,035
Busselton (S)	433	9	43,151	107	21	8,998	2,438	7,536	7,906	62,492
Vasse (SSD)	550	14	55,165	144	23	11,722	3,437	13,789	16,079	86,527
Boyup Brook (S)	10	—	612	—	—	—	95	168	168	875
Bridgetown-Greenbushes (S)	41	—	3,097	—	—	—	526	140	140	3,763
Manjimup (S)	57	1	4,241	4	4	444	374	4,150	4,150	9,209
Nannup (S)	28	—	1,554	—	3	203	183	—	—	1,940
Blackwood (SSD)	136	1	9,504	4	7	648	1,178	4,458	4,458	15,787
Total	2,505	52	216,051	422	81	36,809	12,607	42,401	52,421	318,013
LOWER GREAT SOUTHERN STATISTICAL DIVISION										
Broomehill (S)	5	—	224	2	—	60	30	—	—	314
Gnowangerup (S)	4	—	340	—	—	—	105	80	80	525
Jerramungup (S)	12	1	821	—	—	—	30	—	—	851
Katanning (S)	10	—	830	2	8	674	174	150	150	1,828
Kent (S)	1	—	104	—	—	—	—	—	—	104
Kojonup (S)	8	—	606	—	—	—	131	100	100	837
Tambellup (S)	1	—	68	—	—	—	15	—	—	83
Woodanilling (S)	2	—	53	—	—	—	—	—	—	53
Pallinup (SSD)	43	1	3,045	4	8	734	484	330	330	4,594
Albany (T)	133	10	13,554	57	35	7,074	1,227	2,430	8,822	30,676
Albany (S)	148	1	12,144	—	—	—	1,304	4,275	4,580	18,028
Cranbrook (S)	4	—	380	—	—	—	54	—	—	433
Denmark (S)	92	—	7,096	—	—	—	473	1,627	1,627	9,196
Plantagenet (S)	71	1	4,955	6	—	344	211	136	136	5,646
King (SSD)	448	12	38,129	63	35	7,418	3,268	8,468	15,165	63,979
Total	491	13	41,173	67	43	8,152	3,752	8,798	15,495	68,573
UPPER GREAT SOUTHERN STATISTICAL DIVISION										
Brookton (S)	2	—	88	—	—	—	10	64	64	162
Cuballing (S)	8	—	319	—	—	—	40	—	—	359
Dumbleyung (S)	2	—	86	—	—	—	—	—	—	86
Narrogin (T)	10	—	717	3	2	386	268	118	1,178	2,549
Narrogin (S)	5	—	543	—	—	—	—	—	—	543
Pingelly (S)	4	—	288	—	—	—	12	178	383	683
Wagin (S)	9	—	702	—	—	—	50	85	85	837
Wandering (S)	—	—	—	—	—	—	—	—	—	—
West Arthur (S)	4	1	332	—	2	105	45	—	—	482
Wickepin (S)	1	—	62	—	—	—	—	—	—	62
Williams (S)	5	—	550	—	—	—	—	122	122	672
Hotham (SSD)	50	1	3,687	3	4	491	425	567	1,832	6,436
Corrigin (S)	3	—	368	—	—	—	45	—	—	413
Kondinin (S)	2	—	210	—	—	—	41	220	220	470
Kulin (S)	3	—	299	—	—	—	120	—	—	419
Lake Grace (S)	5	—	287	—	—	—	278	1,522	1,594	2,159
Lakev (SSD)	13	—	1,164	—	—	—	483	1,742	1,814	3,461
Total	63	1	4,851	3	4	491	908	2,309	3,646	9,897

For footnote, see end of table.

TABLE 8. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), 1994-95—continued

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
MIDLANDS STATISTICAL DIVISION										
Chittering (S)	60	—	4,617	—	3	200	136	692	692	5,645
Dandaragan (S)	24	1	2,130	—	—	—	250	120	120	2,499
Gingin (S)	97	2	6,229	—	—	—	400	1,704	2,392	9,020
Moora (S)	6	2	642	—	5	415	56	256	256	1,369
Victoria Plains (S)	2	—	225	—	—	—	—	—	—	225
Moore (SSD)	189	5	13,842	—	8	615	841	2,771	3,459	18,758
Beverley (S)	16	1	765	—	—	—	38	—	—	802
Cunderdin (S)	6	—	425	—	—	—	359	120	120	904
Dalwallinu (S)	2	—	255	—	—	—	206	120	220	681
Dowerin (S)	—	—	—	—	—	—	32	—	—	32
Goomalling (S)	4	—	317	—	—	—	90	—	—	407
Koorda (S)	1	1	102	—	—	—	—	—	—	102
Northam (T)	26	—	2,256	6	—	400	481	480	480	3,617
Northam (S)	52	1	3,321	—	8	534	912	556	556	5,323
Quairading (S)	3	—	210	—	2	190	36	—	—	437
Tammin (S)	—	—	—	—	12	987	—	—	—	987
Toodyay (S)	69	4	5,613	—	—	—	343	128	242	6,198
Wongan-Ballidu (S)	—	1	130	—	2	114	52	—	—	296
Wyalkatchem (S)	1	—	35	—	—	—	—	—	—	35
York (S)	37	—	2,634	14	6	1,350	304	—	—	4,288
Avon (SSD)	217	8	16,062	20	30	3,574	2,854	1,404	1,617	24,108
Bruce Rock (S)	—	—	—	—	3	545	—	—	70	615
Kellerberrin (S)	2	—	128	—	—	—	115	—	—	243
Merredin (S)	15	1	1,567	—	5	349	336	522	522	2,774
Mount Marshall (S)	2	1	188	—	—	—	—	—	—	188
Mukinbudin (S)	—	—	—	—	—	—	—	—	75	75
Narembeen (S)	7	5	1,337	—	—	—	21	—	—	1,358
Nungarin (S)	—	—	—	—	—	—	—	—	—	—
Trayning (S)	4	—	270	—	—	—	—	—	—	270
Westonia (S)	—	1	140	—	—	—	—	—	—	140
Yilgarn (S)	17	—	1,009	4	—	120	85	3,512	3,512	4,725
Campion (SSD)	47	8	4,639	4	8	1,014	557	4,033	4,178	10,388
Total	453	21	34,543	24	46	5,203	4,253	8,209	9,255	53,254
SOUTH EASTERN STATISTICAL DIVISION										
Coolgardie (S)	18	—	1,366	4	—	270	217	2,088	2,088	3,941
Kalgoorlie/Boulder (C)	243	9	24,052	179	17	13,910	3,139	21,020	21,620	62,721
Laverton (S)	—	—	—	—	—	—	—	—	—	—
Leonora (S)	18	—	2,469	2	—	136	—	4,265	4,265	6,869
Menzies (S)	—	—	—	—	—	—	—	—	—	—
Lefroy (SSD)	279	9	27,887	185	17	14,316	3,356	27,373	27,973	73,532
Dundas (S)	2	4	852	—	—	—	—	250	1,956	2,808
Esperance (S)	119	4	11,449	19	7	1,975	673	2,468	2,708	16,804
Ravensthorpe (S)	16	—	967	4	—	155	202	185	185	1,509
Johnston (SSD)	137	8	13,268	23	7	2,130	875	2,903	4,849	21,121
Total	416	17	41,155	208	24	16,445	4,231	30,276	32,822	94,653

For footnote, see end of table.

TABLE 8. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), 1994-95—continued

Statistical local area, statistical subdivision and statistical division	New residential building (b)						Alterations and additions to residential buildings (\$'000)	Non-residential building		Total building (\$'000)
	Houses			Other residential buildings				Private sector (\$'000)	Total (\$'000)	
	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)				
CENTRAL STATISTICAL DIVISION										
Carnarvon (S)	17	6	2,370	—	2	188	140	1,132	1,132	3,829
Exmouth (S)	10	—	821	9	—	1,200	170	—	—	2,191
Shark Bay (S)	10	—	832	2	2	376	—	933	933	2,140
Upper Gascoyne (S)	—	—	—	—	—	—	—	—	—	—
Gascoyne (SSD)	37	6	4,023	11	4	1,763	310	2,065	2,065	8,160
Cue (S)	2	—	75	—	—	—	15	450	450	540
Meekatharra (S)	2	3	610	—	—	—	34	500	991	1,635
Mount Magnet (S)	2	1	236	—	—	—	—	—	—	236
Murchison (S)	—	—	—	—	—	—	—	—	—	—
Ngaanyatjarraku (S)	16	2	1,805	—	—	—	—	862	862	2,667
Sandstone (S)	1	—	52	—	—	—	—	—	—	52
Wiluna (S)	—	1	169	—	—	—	—	—	—	169
Yalgoo (S)	—	—	—	—	—	—	—	—	—	—
Carnegie (SSD)	23	7	2,947	—	—	—	49	1,812	2,303	5,298
Camamah (S)	—	1	74	—	4	295	—	318	318	687
Chapman Valley (S)	9	—	765	—	—	—	69	119	119	953
Coorow (S)	6	1	443	2	—	100	95	—	—	638
Geraldton (C)	53	1	6,430	73	55	8,926	891	7,037	7,899	24,146
Greenough (S)	232	5	22,449	4	—	267	772	1,575	3,090	26,577
Irwin (S)	29	—	2,349	4	—	225	90	260	260	2,923
Mingenew (S)	4	1	560	—	—	—	—	—	—	560
Morawa (S)	2	—	115	—	—	—	10	90	90	215
Mullewa (S)	—	—	—	—	—	—	—	—	116	116
Northampton (S)	19	—	1,337	2	—	220	258	4,553	4,553	6,368
Perenjori (S)	2	—	77	—	—	—	110	—	—	187
Three Springs (S)	5	2	608	—	—	—	—	—	—	608
Greenough River (SSD)	361	11	35,207	85	59	10,033	2,294	13,952	16,444	63,979
Total	421	23	42,008	96	63	11,796	2,653	17,828	20,812	77,268
PILBARA STATISTICAL DIVISION										
East Pilbara (S)	—	—	—	—	2	245	231	1,540	1,540	2,017
Port Hedland (T)	12	5	2,027	4	—	501	481	635	2,582	5,592
De Grey (SSD)	12	5	2,027	4	2	747	713	2,175	4,122	7,608
Ashburton (S)	2	—	50	—	—	—	50	2,291	2,411	2,511
Roebourne (S)	19	7	3,352	4	3	563	380	2,388	2,388	6,683
Fortescue (SSD)	21	7	3,402	4	3	563	430	4,678	4,798	9,193
Total	33	12	5,429	8	5	1,310	1,143	6,853	8,920	16,802
KIMBERLEY STATISTICAL DIVISION										
Halls Creek (S)	1	2	508	2	2	313	—	665	1,519	2,341
Wyndham-East Kimberley (S)	50	6	7,269	7	9	1,145	122	8,560	8,947	17,483
Ord (SSD)	51	8	7,777	9	11	1,459	122	9,225	10,465	19,823
Broome (S)	109	13	13,212	12	15	2,131	387	15,719	16,933	32,664
Derby-West Kimberley (S)	3	8	1,398	18	7	2,375	—	734	1,868	5,641
Fitzroy (SSD)	112	21	14,610	30	22	4,507	387	16,453	18,801	38,305
Total	163	29	22,388	39	33	5,965	509	25,677	29,266	58,129
WESTERN AUSTRALIA										
Western Australia	15,783	424	1,354,193	5,297	808	420,301	156,153	580,883	728,185	2,658,957

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

TABLE 9. NUMBER OF NEW HOUSES (a) APPROVED BY MATERIAL OF OUTER WALLS, FLOOR AREA AND VALUE PER SQUARE METRE BY STATISTICAL DIVISION JUNE 1995

Statistical division	Material of outer walls					Total	Floor area (sq m)	Average floor area (sq m)	Average value per square metre (\$)
	Double brick(b)	Brick veneer	Fibre cement	Timber	Other and not stated				
Perth	847	1	3	9	4	864	187,812	217	372
South-West	184	14	8	14	11	231	49,984	216	422
Lower Great Southern	15	14	11	6	1	47	8,390	179	432
Upper Great Southern	7	—	1	—	—	8	1,361	170	425
Midlands	15	2	11	4	5	37	8,097	219	308
South-Eastern	13	12	6	2	—	33	5,176	157	510
Central	36	5	5	1	—	47	9,098	194	548
Pilbara	7	—	—	—	—	7	1,169	167	636
Kimberley	14	—	1	—	12	27	5,886	218	511
Western Australia	1,138	48	46	36	33	1,301	276,973	213	394

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

TABLE 10. NEW DWELLING UNITS (a) APPROVED, BY TYPE AND STATISTICAL DIVISION JUNE 1995

Statistical division	New other residential building								Total new residential building	
	New houses	Semi-detached, row or terrace houses, townhouses, etc. of			Flats, units or apartments in a building of			Total		
		1 storey	2 or more storeys	Total	1-2 storeys	3 storeys	4 or more storeys			
NUMBER OF DWELLING UNITS										
Perth	864	304	18	322	—	—	—	322	1,186	
South West	231	34	2	36	—	—	—	36	267	
Lower Great Southern	47	38	—	38	—	—	—	38	85	
Upper Great Southern	8	—	—	—	—	—	—	—	8	
Midlands	37	13	—	13	—	—	—	13	50	
South Eastern	33	22	—	22	—	—	—	22	55	
Central	47	46	—	46	—	—	—	46	93	
Pilbara	7	—	—	—	—	—	—	—	7	
Kimberley	27	14	—	14	—	—	—	14	41	
Western Australia	1,301	471	20	491	—	—	—	491	1,792	
VALUE (\$'000)										
Perth	69,868	20,387	2,419	22,806	—	—	—	22,806	92,674	
South West	21,077	2,688	370	3,057	—	—	—	3,057	24,135	
Lower Great Southern	3,628	2,760	—	2,760	—	—	—	2,760	6,388	
Upper Great Southern	578	—	—	—	—	—	—	—	578	
Midlands	2,492	884	—	884	—	—	—	884	3,375	
South Eastern	2,638	1,352	—	1,352	—	—	—	1,352	3,990	
Central	4,983	3,429	—	3,429	—	—	—	3,429	8,413	
Pilbara	743	—	—	—	—	—	—	—	743	
Kimberley	3,006	1,014	—	1,014	—	—	—	1,014	4,020	
Western Australia	109,014	32,513	2,789	35,301	—	—	—	35,301	144,316	

(a) Excludes Conversions, etc.

TABLE 11. NUMBER OF NEW HOUSES (a) APPROVED BY MATERIAL OF OUTER WALLS, FLOOR AREA AND VALUE PER SQUARE METRE BY STATISTICAL DIVISION 1994-95

Statistical division	Material of outer walls					Total	Floor area (sq m)	Average floor area (sq m)	Average value per square metre (\$)
	Double brick(b)	Brick veneer	Fibre cement	Timber	Other and not stated				
Perth	11,243	43	41	98	66	11,492	2,512,225	219	377
South-West	2,048	150	143	103	113	2,557	544,992	213	396
Lower Great Southern	103	203	97	63	38	504	105,598	210	390
Upper Great Southern	31	7	15	5	6	64	12,875	201	377
Midlands	186	62	137	60	29	474	96,141	203	359
South-Eastern	114	223	63	26	7	433	82,893	191	496
Central	319	30	53	14	29	445	85,116	191	496
Pilbara	22	19	3		1	45	8,828	196	615
Kimberley	28	9	6	2	147	192	43,139	225	519
Western Australia	14,094	746	558	371	436	16,206	3,491,807	215	388

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

TABLE 12. NEW DWELLING UNITS (a) APPROVED, BY TYPE AND STATISTICAL DIVISION 1994-95

Statistical division	New other residential building									Total new residential building
	New houses	Semi-detached, row or terrace houses, townhouses, etc. of			Flats, units or apartments in a building of				Total	
		1 storey	2 or more storeys	Total	1-2 storeys	3 storeys	4 or more storeys	Total		
NUMBER OF DWELLING UNITS										
Perth	11,493	4,269	603	4,872	—	—	67	67	4,939	16,432
South West	2,557	409	79	488	—	15	—	15	503	3,060
Lower Great Southern	504	92	18	110	—	—	—	—	110	614
Upper Great Southern	64	7	—	7	—	—	—	—	7	71
Midlands	474	70	—	70	—	—	—	—	70	544
South Eastern	433	225	7	232	—	—	—	—	232	665
Central	445	157	2	159	—	—	—	—	159	604
Pilbara	45	13	—	13	—	—	—	—	13	58
Kimberley	192	72	—	72	—	—	—	—	72	264
Western Australia	16,207	5,314	709	6,023	—	15	67	82	6,105	22,312
VALUE (\$'000)										
Perth	946,425	272,580	54,860	327,440	—	—	6,689	6,689	334,129	1,280,553
South West	216,176	26,486	8,516	35,001	—	1,808	—	1,808	36,809	252,985
Lower Great Southern	41,173	6,152	2,000	8,152	—	—	—	—	8,152	49,326
Upper Great Southern	4,851	491	—	491	—	—	—	—	491	5,342
Midlands	34,543	5,203	—	5,203	—	—	—	—	5,203	39,746
South Eastern	41,155	15,845	600	16,445	—	—	—	—	16,445	57,601
Central	42,177	11,646	150	11,796	—	—	—	—	11,796	53,973
Pilbara	5,429	1,310	—	1,310	—	—	—	—	1,310	6,739
Kimberley	22,388	5,965	—	5,965	—	—	—	—	5,965	28,353
Western Australia	1,354,318	345,679	66,126	411,804	—	1,808	6,689	8,496	420,301	1,774,618

(a) Excludes Conversions, etc.

EXPLANATORY NOTES

Introduction

This publication contains monthly details of building work approved. Statistics of building work approved are compiled from:

- (a) permits issued by local government authorities in areas subject to building control by those authorities;
- (b) approvals issued by the Rural Housing Authority in areas not subject to building control by local government authorities;
- (c) contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities.

Major building activity which takes place in areas not subject to the normal administrative approval processes (e.g. buildings on remote mine sites) is also included.

Factors affecting comparability

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

Scope and coverage

3. 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.

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

5. From July 1990, the statistics cover:

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

From July 1988 to June 1990, the statistics covered:

- (d) all approved new residential building jobs valued at \$5,000 or more (previously all new residential building jobs were included regardless of value);
- (e) approved alterations and additions to residential buildings valued at \$10,000 or more;
- (f) all approved non-residential building jobs valued at \$30,000 or more (previously \$10,000 or more).

These changes in scope mainly affect non-residential building data and do not have a statistically significant effect on broad building approvals aggregate data.

However, care should be taken in interpreting data for specific classes of non-residential building.

Definitions

6. 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 humans.

7. 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* approved.

8. 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* as follows:

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

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

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

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

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

Building classification

13. *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.

14. *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 in the treatment of group accommodation buildings where, for example, a student accommodation building on a university campus would be classified to Educational.

15. From July 1992, an expanded functional classification of buildings based on the *Dwelling Structure Classification (DSC)* has been introduced by the ABS to provide more detailed information on residential building approvals.

16. The DSC has been developed by the ABS to provide a standard classification of the different types of dwelling structures (houses, flats, townhouses, etc.). The DSC will be implemented across all major collections of housing data in the ABS. The DSC has the same overall scope as the classification used in previous collections but provides more detail than previously available to reflect the current interest in medium to high density housing.

17. In particular, for Building Approvals, DSC allows new *other residential building* to be classified as follows:

- (a) *Semi-detached, row or terrace houses, townhouses, etc.* (dwellings having their own private grounds and no other dwellings above or below) with
 - one storey;
 - two or more storeys.
- (b) *Flats, units or apartments, etc.* (dwellings not having their own private grounds and usually sharing a common entrance, foyer or stairwell) in a building of:
 - one or two storeys;
 - three storeys;
 - four or more storeys.

18. More details on the DSC are contained in the ABS Information Paper, *Dwelling Structure Classification (DSC)* (1296.0).

Seasonal adjustment

19. Seasonally adjusted dwelling unit statistics are shown in Table 3. In these 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 month) and the effect of movement in the date of Easter which may, in successive years, affect figures for different months. Revision of figures results from annual re-analysis, details of which, together with information regarding the methods used in seasonally adjusting the series, are available on request.

20. 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.

21. Seasonal adjustment may be carried out by various methods and the results may vary slightly according to the procedure adopted. Accordingly, seasonally adjusted statistics should not be regarded as in any way definitive. In interpreting particular seasonally adjusted statistics it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.

22. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series may be more clearly recognised. Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular month, such as the effect of the approval of large projects or as a consequence of the administrative arrangements of approving authorities. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

23. The seasonally adjusted series can, however, be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate. There are a number of ways of accomplishing this, depending on the intended uses of the trend estimate. If importance is attached to measuring the underlying change in the most recent periods, moving averages employing appropriate weighting patterns should be adopted; the choice of averaging technique will determine in part the degree of smoothness of the derived series. For example, a 23-term moving average will generally even out more of the short term fluctuation in a series (and therefore appear 'smoother') than will a 13-term moving average. However, the longer the term of the moving average the longer the time series affected by revisions resulting from more recent data. In order to ensure that the underlying trend-cycle of a series is reflected

in the trend estimate, the degree of smoothness alone cannot always be used as the sole criterion in determining which moving average is appropriate.

24. Trend estimates of dwelling unit statistics are shown in Table 3. The trend estimates (often referred to as trend-cycle estimates) have been derived by applying a 13-term Henderson-weighted moving average to the series.

25. While this technique enables trend estimates for the latest period to be produced, it does result in revisions to the trend estimates for the most recent months as additional observations become available. There may also be revisions as a result of changes in the original data, and as a result of the re-estimation of the seasonal factors. Details of other trend-cycle weighting patterns can be found in *A Guide to Smoothing Time Series - Estimates of 'Trend'* (1316.0).

Estimates at constant prices

26. The base year of constant price estimates of building approvals, contained in this issue, has been changed to 1989-90.

27. Periodic rebasing of constant price estimates is necessary to take account of changed price relativities and structural relationships in the economy. The choice of the base year influences the movement in the constant price series and the usefulness of such series is diminished if the relative price weights of the base year differ significantly from the price relationships in the other periods included in the series. The more remote a base year is from the current period, the less likely that its relative prices will reflect the current situation.

28. A more detailed discussion of the need for rebasing constant price estimates and factors affecting the choice of base year is contained in the information paper *Change in Base Year of Constant Price Estimates from 1984-85 to 1989-90* (5227.0) released on 10 December 1992.

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

30. 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'.

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

Australian Standard Geographical Classification

32. 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.

Perth City Council Re-structure

33. From July 1994, Perth City Council has been split. Although there are still five SLA's, only two retain the same boundaries. The new Town of Shepperton (renamed Victoria Park on 2 November 1994) comprises the whole of the SLA previously known as Perth(C) South. The City of Perth is now comprised of two SLAs: Perth(C) Inner and Perth(C) Remainder. Perth(C) Inner boundaries have not changed. Perth(C) Remainder comprises the majority of Perth(C) Outer. The new Town of Vincent comprises the major part of Perth(C) North and a small part of Perth(C) Outer. The new Town of Cambridge comprises the remainder of Perth(C) North as well as all of Perth(C) Wembley-Coastal. For maps showing the new SLA boundaries, please contact the relevant councils.

Unpublished data and related publications

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

35. Users may also wish to refer to the following related publications which are available on request:

WESTERN AUSTRALIA	Catalogue No.
Building Approvals - Private Sector, Perth Statistical Division (monthly)	8732.5
Building Activity (quarterly)	8752.5
Dwelling Unit Commencements (monthly)	8741.5
AUSTRALIA	
Building Approvals (monthly)	8731.0
Building Activity (quarterly)	8752.0
Engineering Construction Survey (quarterly)	8762.0
Housing Finance for Owner Occupation: Australia	5609.0

34. All publications produced by the ABS are listed in *Catalogue of Publications and Products* (1101.0) which is available from any ABS Office.

Symbols and other usages

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

- nil, or rounded to zero
- r figure or series revised since previous issue.

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

P.C.KELLY
Deputy Commonwealth Statistician
and Government Statistician







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