Western Australia



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31 August 1994

BUILDING APPROVALS WESTERN AUSTRALIA July 1994

MAIN FEATURES

The number of houses approved in July 1994 decreased by 22.7 per cent when compared with May 1994 and decreased by 9.6 per cent when compared with July 1993.

The number of total dwelling units approved in July 1994 decreased by 20.3 per cent when compared with June 1994 and increased by 4.6 per cent when compared with July 1993.

The provisional trend for new private dwelling approvals fell 1.4 per cent in July 1994, following a 1.3 per cent fall in June 1994. This trend will continue to fall unless there is a rise of more than 21.6 per cent in the August seasonally adjusted figure. The historical average monthly movement of this series regardless of sign is 7.0 per cent.

NOTE: Prior to July 1994 Perth City Council was comprised of 5 SLA's: Perth(C) Inner; Perth(C) Outer; Perth(C) North; Perth(C) South and Perth(C) Wembley-Coastal.

From July 1994 Perth City Council was re-structured and as a consequence 3 new SLA's have been created: Cambridge(T), Shepperton(T) and Vincent(T). Perth City Council was reduced in size and now comprises 2 SLA's: Perth(C) inner and Perth(C) Remainder. For further information please see the Explanatory Notes (point 31).

Comparisons with previous periods are:

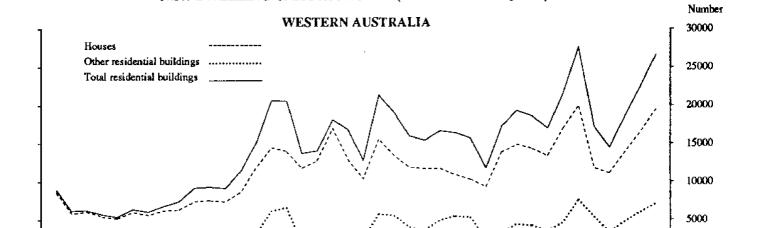
Month to month

	Jul. 1994	Jun. 1994	% сһапде	Jul. 1993	% change
Houses	1,458	1,885	-22.7	1,613	-9.6
Total dwelling units	2,116	2,655	-20.3	2,022	+4.6
	Th	ree month mov	ing average		
	Jul.1994	Jun. 1994 ·	% change	Jul. 1993	% change
Houses	1,748	1,764	-0.9	1,570	+11.3
Total dwelling units	2,748	2,471	+11.2	2,116	+29.9
	Se	ven months Jar	nuary to July		
	1994	1993	% change	1992	% change
Houses	11,110	9,772	+13.7	8,639	+28.6
Total dwelling units	15,594	13,316	+17.1	12,164	+28.2

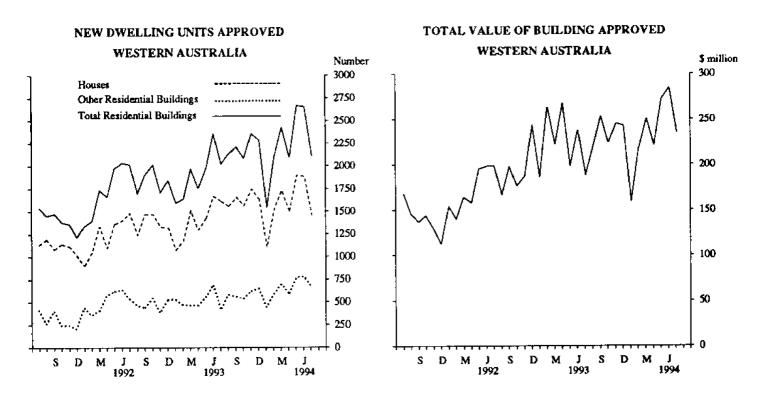
PHONE INQUIRIES		29 for further information about statistics in this annual statistics. Other inquiries, including rvices on (09) 360 5140.
MAIL INQUIRIES	Write to Information Services, Australian Esplanade, Perth WA 6000.	Bureau of Statistics, Exchange Plaza, 2 The
ELECTRONIC SERVICES	 on Discovery key *656# on Dial-A-Statistic phone 0055 86400 	 on Elderlink key *620# on PC-AUSSTATS phone (06) 252 6017

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NEW DWELLING UNITS APPROVED (YEAR ENDED 30 JUNE)



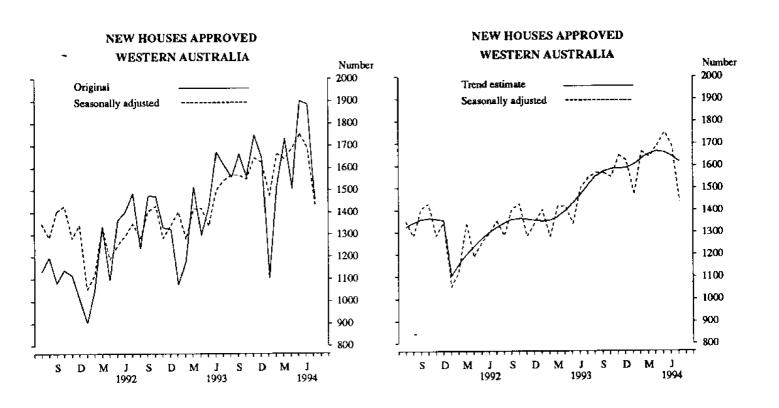


TABLE 1. NUMBER OF DWELLING UNITS APPROVED IN NEW RESIDENTIAL BUILDING

		Houses		Other res	sidential building	.		Total	
Period	Private sector	Public sector	Total	Private sector	Public sector	Total	Private sector	Public sector	Total
			PERTH:	STATISTICAL	DIVISION				•
1991-92	9,969	194	10,163	2,505	1,434	3,939	12,474	1,628	14,102
1992-93	11,618	285	11,903	3,448	1,540	4,988	15,066	1,825	16,891
1 99 3-94	13,899	321	14,220	4,924	929	5,853	18,823	1,250	20,073
<i>1993</i> —									
May	1,040	24	1,064	306	64	370	1,346	88	1,434
June	1,106	56	1,162	269	245	514	1,375	301	1,676
July	1,166	3	1,169	326	31	357	1,492	34	1,526
August	1,101	12	1,113	371	83	454	1,472	95	1,567
September	1,199	30	1,229	437	35	472	1,636	65	1,701
October	1,125	14	1,139	412	28	440	1,537	42	1,579
November	1,194	66	1,260	409	70	479	1,603	13 6	1,739
December	1,196	47	1,243	429	104	533	1,625	151	1,776
1994—									
Jamuary	828	2	830	261	24	285	1,089	26	1,115
February	1,095	6	1,101	401	95	496	1,496	101	1,597
March	1,248	3	1,251	51 1	97	608	1,759	100	1,859
April	1,109	5	1,114	429	49	478	1,538	54	1,592
May	1,321	52	1,373	473	1 52	625	1,794	204	1,998
June	1,317	81	1,398	465	161	626	1,782	242	2,024
July	1,061	44	1,105	489	60	549	1,550	104	1,654
			WE	STERN AUST	RALIA				
1991-92	13,474	362	13,836	3,078	1,663	4,741	16,552	2,025	18,577
1992-93	16,036	449	16,485	4,081	1,913	5,994	20,117	2,362	22,479
1993-94	18,966	471	19,437	5,938	1,206	7,144	24,904	1,677	26,581
1993—									
May	1,392	34	1,426	375	170	545	1,767	204	1,971
June	1,593	77	1,670	375	311	686	1,968	388	2,356
July	1,595	18	1,613	375	34	409	1,970	52	2,022
August	1,537	21	1,558	479	98	577	2,016	119	2,135
September	1,626	36	1,662	515	35	550	2,141	71	2,212
October	1,546	15	1,561	483	42	525	2,029	57	2,086
November	1,677	69	1,746	531	82	613	2,208	151	2,359
December	1,585	60	1,645	518	126	644	2,103	186	2,289
1994									
Jenuery	1,091	13	1,104	398	41	439	1,489	54	1,543
February	1,505	19	1,524	479	97	576	1,984	116	2,100
March	1,724	8	1,732	573	117	690	2,297	125	2,422
April	1,473	34	1,507	492	95	587	1,965	129	2,094
May	1,828	72	1,900	541	223	764	2,3 69	295	2,664
June	1,779	106	1,885	554	216	770	2,333	322	2,655
July	1,407	51	1,458	587	71	658	1,994	122	2,116

NOTE: The number of self-contained dwelling units approved as part of the construction of non-residential building and alterations and additions to existing buildings (including conversions to dwelling units) are excluded from this table. There were 8 such dwelling units approved in July 1994.

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

							\$ million)							
	****	Houses			idential b			Total		Alterations and additions	Non-resie buildi		Total b	wilding
Period	Private sector	Public sector	Total	Private sector	Public sector	Total	Private sector	Public sector	Total	to residential buildings	Private sector	Total	Private sector	Tota
_					PER	TH STA	TISTICAI	. DIVISI	ON		- · · · · · · · · · · · · · · · · · · ·			
100.00		40.5	700.			4.55								
1991-92 1992-93	689.9 822.1	10. 5 17.7	700.4 839.7	133.3	81.9 92.3	215.2 281.2	823.2	92.4	915.6	104.8	245.3	398.5	1,172.4	1,418.6
1993-94	1,067.8	17.7	1,087.0	188.9 319.3	58.6	377.9	1,010.9 1,387.1	10 9.9 77.8	1,120.9 1,464.8	113.3 1 22. 0	463.2 388.1	715.9 492.4	1,585.3 1,896.8	1,950.1 2,079.3
1773-7-1	1,007.8	17.2	1,007.0	317.3	J. 0.0	311.7	1,367.1	11.0	1,404.8	122.0	300.1	47.4	1,070.6	<i>L</i> 019.:
1993—														
May	77.3	1.5	78.8	18.1	3.5	21.6	95.4	5.0	100.4	10.0	13.9	33.3	119.3	143.7
June	78.0	3.8	81.9	15.9	13.3	29.2	93.9	17.1	111.0	9.1	33.6	49.1	136.6	169.2
July	87,3	0.2	87.5	20.4	1.4	21.8	107.7	1.5	109.3	9.1	15.4	22.1	132.2	140.5
August	80.5	0.9	81.4	20.6	6.2	26.8	101.1	7.2	108.3	9.1	28.9	39.7	139.1	157.0
September	85.5	2.2	87.7	28.1	2.4	30.5	113.6	4.6	118.2	9.7	56.6	57.9	179.9	185.9
October	85.5	0.8	86.3	27.1	1.8	28.9	112.6	2.6	115.2	11.3	47.0	50.7	170.9	177.2
November	89.7	3.5	93.2	25.2	4.2	29.4	114.9	7.7	122.6	10.4	35.4	43.1	160.8	176.2
December	91.6	2.7	94.4	24.9	6.3	31.2	116.5	9.0	125.5	9.8	20.7	56.4	147.0	191.8
1994—														
January	64.0	0.1	64.2	15.4	1.1	16.4	79,4	1.2	80.6	8.8	23.7	27.5	111.8	116.8
February	89.4	0.4	89.8	26.0	7.6	33.6	115.5	7.9	123.4	10.4	16.2	23.9	142.1	157.8
Merch	95.0	0.2	95.2	39.2	5.7	44.8	134.2	5.9	140.0	12.2	32 .1	40,0	178.5	192.2
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
						WESTE	RN AUST	RALIA						
1991-92	931.4	23.9	955.3	166.1	96.5	262.6	1,097.5	120.4	1,217.9	124.2	306.6	504.9	1,527.0	1,847.0
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
1993—														
May	103.3	2.5	105.8	22.6	10.3	32.9	125.8	12.8	138.6	11.6	22.3	48.0	159.7	198.3
June	113.7	6.3	120.0	23.0	17.7	40.7	136.7	24.0	160.7	11.7	48.1	65.4	196.5	237.8
July	118.6	1.6	120.2	22.9	1.6	24.5	141.5	3.2	144.7	10.5	21.9	33.6	173.9	188.7
August	113.4	2.1	115.5	27.2	7.1	34.3	140.6	9.1	149.8	11.0	47.0	58.9	198.5	219.7
September	118.4	3.0	121.4	32.3	2.4	34.7	150.6	5.4	156.1	12.7	66.7	84.8	230.1	253.7
October	116.4	0.9	117.2	31.4	2.8	34.3	147.B	3.7	151.5	14.0	53.0	58.9	214.6	224.4
November	126.5	3.7	130.3	32.6	5.0	37.5	159.1	8.7	167.8	13.0	54.0	64.9	225.6	245.7
December	121.3	3.7	125.0	31.2	8.1	39.3	152.5	11.8	164.3	11.7	25.8	67.2	190.0	243.2
1004														
1994— January	84.8	1.3	86.0	23.5	2.4	25.9	108.2	3.7	111.9	10.4	33.1	37.4	151.6	159.6
February	122.4	1.7	124.0	30.8	7.8	38.6	153.2	9,4	162.6	13.0	31.2	42.7	197.4	218.4
March	135.3	0.8	136.1	43.5	6.7	50.2	178.7	7.5	186.3	14.8	41.5	49.7	235.0	250.7
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	220.7
-	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
Mav		7.7	131.7	ر.بير	1.3.7	70.4	101.2	10.0	AU.4	1.3.4	37.4	30.1	2-34-3	21,2.4
May 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

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

		House	ប		Total					
	Private sector		Total		Private sector	,	Total			
Period	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate	Seasonally adjusted	Trend estimate		
1993—r										
May	1,319	1,405	1,339	1,434	1,728	1,753	1,854	1,888		
June	1,439	1,441	1,502	1,472	1,766	1,795	2,008	1,929		
July	1,501	1,475	1,546	1,516	1,842	1,853	1,918	1,998		
August	1,544	1,503	1,568	1,552	1,937	1,919	2,101	2,075		
September	1,515	1,523	1,568	1,575	1,956	1,987	2,097	2,144		
October	1,516	1,538	1,550	1,586	2,092	2,046	2,209	2,199		
November	1,543	1,548	1,645	1,587	2,094	2,087	2,329	2,230		
December	1,592	1,561	1,625	1,589	2,154	2,112	2,391	2,242		
1994—r										
January	1,517	1,589	1,475	1,607	2,046	2,133	1, 94 1	2,251		
February	1,655	1,618	1,663	1,632	2,204	2,147	2,324	2,259		
March	1,599	1,635	1,640	1,653	2,059	2,153	2,309	2,268		
April	1,681	1,632	1,689	1,664	2,219	2,148	2,236	2,275		
May	1,679	1,613	1,750	1,659	2,187	2,131	2,371	2,273		
June	1,635	1,580	1,689	1,641	2,164	2,104	2,343	2,257		
July	1,358	1,544	1,436	1,618	1,904	2,074	2,037	2,246		

⁽a) 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. (b) Series have been revised due to annual re-analysis of seasonal adjustment factors.

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

				(\$ million	1)				
		New residentic	al building		Alterations	Non-residential building		Total building	
	Houses	'	Oiher		and — additions to		· · ·		
Period	Private sector	Total	residential buildings	Total	residential buildings	Private sector	Total	Private sector	Tota
1991-92	1,052.4	1,079.3	256.1	1,335.5	140.3	298.3	491.3	1,645.5	1,967.2
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	454.0	2,071.4	161.4	501.9	652.4	2,613.9	2,885.1
1993									
Mar. qtr.	285.9	297.1	87.0	384.2	40.0	168.5	272.2	549.7	696.4
June gtr.	340.6	353.2	97.0	450.2	37.3	171.4	244.9	608.7	732.4
Sept. gtr.	381.7	389.0	92.2	481.2	37.2	132.8	173.6	631.5	692.1
Dec. qtr.	393.7	4027	r109.5	r512.2	41.8	129.9	186.8	657.2	r 740.8
1994—									
Mar. qtr.	367.4	371.3	r112.8	r 484.1	41.0	103.4	126.9	606.4	r 652.0
June qtr.	437.7	454.3	139.5	593.9	41.3	135.7	165.0	718.7	800.2

⁽a) See paragraphs 20-25 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 5. VALUE OF BUILDING APPROVED, BY CLASS OF BUILDING AND OWNERSHIP (\$ million)

			(\$ mill	ion)		4001		
New houses 146.1 1.138.2 1.469.3 119.6 147.0 145.7	Class of building	1991-92			April	1994 May	Juna	July
New other maintential building			PRIVATE	SECTOR				
Total	New houses	931.4	1,138.8	1,469.3	119.6	147.0	145.7	119.4
Aberticions and additions to methodusial buildings 1229 1341 146.9 1340 1340 1340 1340 1341 146.9 1341 146.9 1341 146.9 1341 146.9 1341 146.9 1341 146.9 1341 1341 11.9 146.1 1341 11.9 146.1 1341 11.9 146.1 1341 1341 11.9 146.1 134	New other residential buildings	1 66 .1	227.6	382.5	32.0	34.5	40.7	40.1
Horals, etc. 14.6 10.7 30.3 5.7 0.3 6.6	Total new residential building	1,097.5	1,366.4	1,851.8	151.6	181.5	186.3	159.4
Shops		122.9	134.1	148.9	13.4	13.4	11.9	12.7
Pictories 12.0	Hotels, etc.	14.6	10.7	30.3	5.7	0.3	6.6	2.5
Officer 40.7 44.4 53.7 4.2 4.2 7.3 Officer and Provided P	Shope	84,2	212.8	151.3	8.8	14.9	10.6	9.6
Other business premises 49.6 100.3 89.9 4.4 8.5 9.1	Factories	21.0	41.2	55.4	8.9	5.1	6.2	11.7
Educational 27.2 28.8 41.0 0.8 11.0 1.7 Health 22.9 79.8 28.8 0.1 1.0 0.5 1.7 Health 22.9 79.8 28.8 0.1 1.0 0.8 Entertainment and recreational 8.7 24.4 25.7 0.5 10.7 0.2 Miscollentonus 26.6 44.7 27.9 0.9 1.3 1.7 Total non-residential building 300.6 591.3 515.1 35.5 57.4 46.0 Total 1,527.8 2,991.8 2,513.8 249.4 25.3 244.3 Total 22.9 34.9 34.4 3.2 4.9 7.6 New bouse 23.9 34.9 34.4 3.2 4.9 7.6 New cotes residential building 96.5 118.1 78.5 6.0 13.9 14.8 Total non-residential building 20.4 118.1 78.5 6.0 13.9 14.8 Total non-residential building 20.4 21.3 21.9 21.8 Alterntions and additions to residential building 20.1 20.1 Hotels, etc. 0.2 0.2 Fectorics 0.1 4.6 13.2 0.1 0.4 Offices 22.7 67.6 27.7 1.0 Other business premiate 12.6 12.2 17.4 1.9 Educational 94.5 98.6 61.0 7.9 14.7 Religious 2.3 4.7 13.7 0.6 0.8 0.1 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 22.1 23.4 Hearth 17.9 23.9 23.7 23.9 23.9 23.9 Hearth 17.9 23.9 23.9 23.9 23.9 23.9 Hearth 17.9 17.7 24.1 2.9 2.9 Hearth 17.9 23.1 23.4 23.9 23.9 23.9 Hearth 17.9 23.1 23.9 23.9 23.9 23.9 Hearth 17.9 23.1 23.9 23.9 23.9 23.9 23.9 Hearth 17.9 23.1 23.9 23.9 23.9 23.9 23.9 Hearth 17.9 23.1 23.9 23.9 23.9 23.9 Hearth 17.9 23.9 23.9 23.9 23.9 23.9 Hearth 17.9 23.9 23.9 23.9 23.9	Offices	40.7	44,4	53.7	4.2	4.2	7.3	2.6
Religions							-	10.6
Health								4.5
Entertainment and monestational 8.7 2.4 25.7 0.5 10.7 0.2	<u>-</u>							0.3
Maccellaneous 26.6 44.7 27.9 0.9 1.3 1.7 Total non-residential building 306.6 591.3 513.1 315.5 37.4 46.0				_				5.8
Total 1,527.8 2,991.8 2,513.8 200.4 252.3 244.5 249.4 252.3 244.5 249.4 252.3 244.5 249.4 252.3 244.5 249.4 252.3 244.5 249.4 252.3 244.5 249.4 252.3 244.5 249.4 252.5 249.4 252.5 249.4 252.5 249.4 252.5 249.4 252.5 249.4 252.5 249.4 252.5 249.4 252.5 249.5								1.8 2.1
New houses 23.9 34.9 34.4 3.2 4.9 7.6					=			51.5
New houses 23.9 34.9 34.4 3.2 4.9 7.6	Total	1 577 4	2 001 8	25138	288.4	252.3	244.3	223.6
New houses New other residential buildings	1 U.S.	1,327.4		·				
New other residential buildings 14.8 17.8 1								
Attentions and additions to residential building 120.4 153.0 112.9 9.2 18.8 22.3								4.0
Alterntions and additions to residential buildings 1.3 3.0 1.1 0.2 — 0.1 Hotels, etc. 0.2 0.2 — — — — — — — — — — — — — — — — — — —	*							4.4
Hotels, etc. 0.2 0.2	Total new residential building	120.4	153.0	112.9	92	16.8	22.5	8.3
Shops 2.2 2.0 1.8 0.1		1.3	3.0	1.1	0.2	_	0.1	_
Fectories	Hotels, etc.	0.2	0.2	_	_	_		_
Offices 28.7 67.6 27.7 — — 1.0 Other business premises 12.6 12.2 17.4 1.9 — — Educational 94.5 98.6 61.0 7.9 — — Religious — — — — — — Health 17.9 22.1 23.4 — — — Entertainment and recreational 24.2 49.7 13.7 0.6 0.8 0.1 Miscellaneous 18.0 41.3 7.6 0.6 0.1 1.9 Jotal non-raridential building 198.3 298.3 153.9 11.1 1.3 17.7 Total 320.0 454.3 26.9 28.5 28.1 48.1 Total new residential buildings 262.6 345.7 461.0 38.0 48.4 55.4 Total new residential buildings 1,217.9 1,519.4 1,964.7 160.8 200.4 208.7	Shops	2.2	2.0	1.8	0.1	_	_	0.4
Cheer business premises 12.6 12.2 17.4 1.9 — — Educational 94.5 98.6 61.0 7.9 — 14.7 Religious — — — — — — — — —	Factories	0.1	4.6		0.1	0.4		_
Educational 94.5 98.6 61.0 7.9 — 14.7 Religious — — — — — — — — — — — — — — — — — — —	Offices			_		_		0.5
Religious	-					_		1.7
Health						_		_
Entertainment and recreational 24.2 49.7 13.7 0.6 0.8 0.1	•					_	_	0.4
Miscellaneous 18.0 41.3 7.6 0.6 0.1 1.9 Total non-residential building 198.3 298.3 153.9 11.1 1.3 17.7 Total TOTAL TOTAL New houses 955.3 1,173.7 1,503.7 122.8 151.9 153.2 New colse residential buildings 262.6 345.7 461.0 38.0 48.4 55.4 Total new residential building 1,217.9 1,519.4 1,964.7 160.8 200.4 208.7 Alterations and additions to residential buildings 124.2 137.1 150.0 13.5 13.4 12.0 Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 21.48 153.1 8.9 14.9 10.6 Factories 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2<						0 R	0.1	0.4
Total non-residential building 198.3 298.3 153.9 11.1 1.3 17.7								0.1
New houses 955.3 1,173.7 1,503.7 122.8 151.9 153.2							_	3.5
New houses 955.3 1,173.7 1,503.7 1,22.8 151.9 153.2 New other residential buildings 262.6 345.7 461.0 38.0 48.4 55.4 Total new residential building 1,217.9 1,519.4 1,964.7 160.8 200.4 208.7 Alterations and additions to residential buildings 124.2 137.1 150.0 13.5 13.4 12.0 Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5	Total	320.0	454.3	267.9	20.5	20.1	46.1	11.9
New other residential buildings 262.6 345.7 461.0 38.0 48.4 55.4 Total new residential building 1217.9 1,519.4 1,964.7 160.8 200.4 208.7 Alterations and additions to residential buildings 124.2 137.1 150.0 13.5 13.4 12.0 Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factories 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 <td></td> <td></td> <td>TOTA</td> <td>AL .</td> <td></td> <td></td> <td></td> <td></td>			TOTA	AL .				
New other residential buildings 262.6 345.7 461.0 38.0 48.4 55.4 Total new residential building 1217.9 1,519.4 1,964.7 160.8 200.4 208.7 Alterations and additions to residential buildings 124.2 137.1 150.0 13.5 13.4 12.0 Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factories 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 <td>New houses</td> <td>955.3</td> <td>1 173 7</td> <td>1 503.7</td> <td>122 R</td> <td>151.9</td> <td>153.2</td> <td>123.3</td>	New houses	955.3	1 173 7	1 503.7	122 R	151.9	153.2	123.3
Total new residential building 1,217.9 1,519.4 1,964.7 160.8 200.4 208.7 Alterations and additions to residential buildings 124.2 137.1 150.0 13.5 13.4 12.0 Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Heaith 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3								44.4
Hotels, etc. 14.8 10.8 30.3 5.7 0.3 6.6 Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Heaith 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6								167.8
Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6		124.2	137.1	150.0	13.5	13.4	12.0	12.7
Shops 86.4 214.8 153.1 8.9 14.9 10.6 Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6	Hotels, etc.	14.8	10.8	30.3	5.7	0.3	6.6	2.5
Factorics 21.1 45.8 56.7 9.0 5.5 6.2 Offices 69.4 112.0 81.3 4.2 4.2 8.3 Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6								10.1
Other business premises 62.1 112.5 107.3 6.3 8.5 9.1 Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6	-				9.0	5.5	6.2	11.7
Educational 121.6 127.4 102.1 8.7 11.0 16.4 Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6	Offices							3.2
Religious 11.1 4.2 9.1 1.1 0.5 1.7 Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6	Other business premises							12.3
Health 40.8 101.9 52.2 0.1 1.0 0.8 Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6								4.5
Entertainment and recreational 33.0 74.0 39.5 1.1 11.5 0.3 Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6	-							0.3
Miscellaneous 44.6 86.0 35.5 1.5 1.3 3.6								6.2
								2.1 2.2
								55.0
	•							
Total 1,847.0 2,546.1 2,781.7 220.9 272.4 284.4	Total	1,847.0	2,546.1	2,781.7	220.9	272.4	284.4	235.5

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

	\$50,000 t than \$ 200		\$200,000 than \$50		\$500,000 than \$		\$1 m to than \$		\$5m a		Tota	ı
Period	No.	Value (\$m)	No.	Value (Sm)	No.	Value (\$m)	No.	Value (Sm)	No.	Value (\$m)	No.	Vaine (\$m)
					HOTELS,	ETC.					•	
1994 May	2	0.3				<u></u>			_		2	0.3
June	6	0.7	1	0.2	_	_	3	5.7	_	_	10	6.6
July 	3	0.3	1	0.4			1	1.8	_		5	2.5
					SHOP	S						
1994 May	19	2.2	11	3.7	1	0.6	3	8.4	_	_	34	14.9
June	22	2.0	5	1.7	1	0.5	4	6.4	_	_	32	10.6
July	30	2.7	6	1.8	5	3.5	1	2.0			42	10.1
					FACTOR			<u> </u>				
1994 May	11	1.1	8	2.3	1	0.9	1	1.2		_	21	5.5
June	23	2.6	5	1.8	3	1.9		_		— 6.4	31 23	6.2 11.7
July		1.7	6	1.9	2	1.6			1	0.4		11.7
					OFFICE							
1994 May	18	1.5	2	0.8	3	2.0	_	_	_	_	23 30	4.2 8.3
June Tolor	13 6	1.1 0.5	13 8	3.5 2.0	3 1	2.5 0.6	1	1.2		_	15	3.2
July		V.3	B									
						S PREMISE		2.0		····	35	8.5
1994 May	26 19	3.0 1.9	.5 8	1.5 2.4	3 5	1.9 3.3	1 1	2.0 1.5	_		33	9.1
June July	9	1.0	. 6	1.7	2	1.7	4	7.9	_	_	21	12.3
		. "			EDUCATION	ONAL		,		-		
1994 May	_		1	0.2			2	4.5	1	6.3	4	11.0
June	3	0.2	3	0.8	_	_	8	15.3	_	_	14	16.4
July	2	0.2	2	0.5	5	3.8					9	4.5
					RELIGIO							
1994 May	_	_	-		1	0.5	_		_		1	0.5
June	5	0.6	_	_		_	1	1.1		_	6	1.7 0.3
July	<u> </u>		1	0.3							1	
					HEALT							
1994 May	1	0.1	3	0.9			_	_	-	_	4 3	1.0 0.8
June	1	0.1	1	0.2	1 —	0,5	- 3	— 4.4	_		10	6.2
July	2	0.1		1.7				4.4			10	
						D RECREAT	TONAL			10.5		11 5
1994 May	2	0.2	i	0.2	1	0.6	_	_	1	10.5	5 3	11.5 0.3
June July	3 6	0.3 0.6	1	0.3		 1.2	_		_	_	9	2.1
100434	7				MISCELLA	NEOUS					8	1,3
1994 May June	10	0.9 1.2	1 4	0.4 1.1	_	_	1	1.3	_		15	3.6
June July	9	0.9	1	0.4	-	_	1	1.0	_		11	2.2
				TOTAL NO		VIIAL BUII	DING			-		
1994 May	86	9.3	32	10.0	10	6.5	7	16.1	2	16.8	137	58.7
June	105	10.9	40	11.6	13	8.7	19	32.5	_	_	177	63.7
July	81	8.0	37	10.9	17	12.5	10	17.2	1	6.4	146	55.0

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JULY 1994

		۸	lew resident	ial building			Alterations	Non-resid badida		
		Houses		Otherre	eridential bui	dings	and - additions		-	
Statistical local area, statistical subdivision and statistical division	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$*000)	to residential buildings (\$'000)	Private sector (\$'000)	Total (\$'000)	Total building (\$*000)
		PERT	H STATIS	TICAL DI	VISION					
Cambridge (T)	13		2,473	3	9	881	530	3,018	3,018	6,902
Claremont (T)	_	_	_	_		_	575 130	172	172	747 130
Cottesloe (T) Mosman Park (T)		_	1,134	3		145	88	1,210	1,210	2,578
Nedlands (C)	13	35	5,529	8	7	994	817			7,341
Peppennint Grove (S)	_	_	_	_	_	_	106	150	150	258
Perth (C) Inner		_	_		_	_	_			_
Perth (C) Remainder	_	_	_	_	_	_	110	330	330 60	440
Shepperton (T)	9	1	756 230	7	4	617 1,398	71 6 9 1	60 250	250	1,504 2,569
Subiaco (C) Vincent (T)	2 9	-	230 824	14 14	_	1,100	285	310	310	2,509 19,52
Central Metropolitan (SSD)	53	36	10,946	49	20	5,135	3,405	5,500	5,500	24,987
			·			,	•	-		
Bassendean (T)	4	_	401	2	_	150	35	300	300	386
Bayswater (C)	13	4	1,231	15		700	54	1,016	1 , 01 6	3,000
Kalamunda (S)	23	_	1,736	2	2	237	487 222		72	2,459 4,016
Mandaring (S)	39 123	_ 3	3,362 9,385	6 2	_	360 104	226	3,392	3,392	13,106
Swan (S) East Metropolitan (SSD)	202	7	16,115	27		1.551	1,024	4,708	4,779	23,469
•										
Stirling (C) — Central	37	_	4,664	115	_	6,146	443	2,519	2,519	13,772
Stirling (C) — West	12	_	1,270	64 22	2	4,495 1,427	500 468	900	900	7,165 2,245
Stirling (C) — South-Eastern	5 323	_	350 27,166	22 31	21	2,608	1,148	7,108	7,108	38,030
Wanneroo (C) North Metropolitan (SSD)	377	_	33,450	232	23	14,675	2,560	10,527	10,527	61,212
Cockburn (C)	98		7,970	6	_	382	140	1,841	1,841	10,332
East Fremantle (I)	1	_	130	_	_	_	237			367
Fremantie (C) — Inner	-	_		_			10	60	200	210
Fremantle (C) — Remainder	13	_	1,154	56		6,250		7,652	7,952	16,039 3,667
Kwinana (T)	45 26	_	2,479 3,543	39	13	2,934	.56 536	852 130	1,132 130	7,143
Melville (C) Rockingham (C)	20 84		6,052	15		766		2,630	2,630	9,502
South West Metropolitan (SSD)	267	i	21,327	116	13	10,332	1,717	13,165	13,885	47,260
Amadale (C)	30	_	1,877	3	_	140	204	130	130	2,351
Belmont (C)	8	_	664	5	_	390	117	2,627	2,627	3,799
Canning (C)	30		2,545	30	 -	1,498	158	3,564	3,903	8,104
Gosnells (C)	70	п. т	4,066	_	2	119	224	772	772	5,181
Serpentine-Jarrahdale (S)	19	_	1,368	_	_		101	130	130	1,599
South Perth (C) South East Metropolitan (SSD)	5 162	_	501 11,021	27 65	_	2,531 4,678	718 1,522	50 <i>7,273</i>	440 8,002	4,191 25,223
-	1,061	44	92,859	489	60	36,371		41,173	42,693	182,154
Total				·		······················				
D 11: 00		SOUTH	WEST 517	TISTICAL	DIVISION					
Boddington (S) Mandurah (C)	84	_	7,048	30	_	2,256		878	878	10,268
Marray (S)	16	_	1,286	_	_		520	_		1,806
Waroona (S)	8	_	415	. —	_		_		_	415
Dale (SSD)	108	_	8,749	30	_	2,256	605	878	878	12,489
Bunbury (C)	8	6	1,286	2	_	120		927	927	2,565
Capel (S)	,5	_	373	_	_	_	23	—	_	396
Collie (S)	1	1	192	_	_	_	50 25	_	_	242 835
Dardamp (\$)	11	_	810 140	_	_		25 —	_	_	140
Donnybrook-Balingup (S)	2 9	_	698	_	_	_		505	505	1,255
Harvey (S)										

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JULY 1994—continued

		<i></i>	Vew resident	ial building			Alterations and	Non-resid bedidd		
		Houses		Other r	esidential bui	idings	additions			
Statistical local area, statistical subdivision and statistical division	Private sector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$'000)	to residential buildings (\$'000)	Private sector (\$1000)	Total (\$'000)	Total brilding (\$'000)
	SO	UTH WEST	STATIST	ICAL DIV	ISION (cont	inved)				
Augusta-Margaret River (S)	11		919	8	_	600	110	270	270	1,899
Busselton (S)	32	_	2,993	6	_	408	327	610	610	4,338
Varse (SSD)	43	-	3,912	14	_	1,008	437	880	880	6,237
Boyup Brook (S)	1	_	48	_	_		_	74	74	122
Bridgetown-Groenbushes (S)	2		154	_	_	_	55	_	_	209
Manjimup (S)	_	_	_	_	_	_	_	-	_	_
Namup (S)	1	_	78	_	_	_	_	_	_	78
Blackwood (SSD)	4	_	280	_	_	_	55	74	74	409
Total	191	7	16,441	46		3,385	1,479	3,264	3,264	24,569
	LOW	ER GREAT	SOUTHE	RN STAT	ISTICAL D	IVISION				
Broomehill (S)		_					_	_	_	
Gnowangerup (S)	_	_	_	_	-	_			_	_
Jerramungup (S)	_	_	_	_	_	_	_	_	_	_
Katanning (S)	_			_	_	_	_	_	_	_
Kent (S)		_	_	_	_		_	_		_
Kojonup (S)	_	_	_		_	_	_	_	_	_
Tambellup (S)	_	_	_		_	_		_	****	
Woodanilling (S) Pallinup (SSD)	·_	_	_	_	_	_	_	_	_	_
Albany (T)	16	_	1,642	9	_	458	118	2 102	2 1 0 2	2,219
Albany (\$) Cranbrook (\$)	7	_	603	_	_	_	15	3,183	3,183	3,801
Denmark (S)		_	550	-	_		44	-	_	 594
Plantagenet (S)	3		124		_					124
King (SSD)	34	_	2,919	9	_	458	177	3,183	3,183	6,737
Total	34	_	2,919	9	_	458	177	3,183	3,183	€,737
	T IDDI	P CREAT	· · · · · · · · · · · · · · · · · · ·		STICAL DI	MOISIN			<u> </u>	<u></u>
Brookton (S)				_	- ICAL DI		·····	<u></u>		
Cuballing (S)	1		50	_	_	_		_	_	50
Dumbieyung (S)	_	_	_	_	_	_	_	_	_	_
Narrogin (T)	1	_	93	3	_	210	_	_	_	303
Narrogin (S)	2		206	_	-		_		_	206
Pingelly (S)	1	_	45	_	_	_	_	_	205	250
Wagin (S)	2	_	170	_	_	_			_	170
Wandering (S)	_	_	_	_	_	_	_	_	_	_
West Arthur (S)	_	_	_	_				_	_	_
Wickepin (S)	_	-			_	_	_		_	
Williams (S)	_	_	_	_	_	_	_	_	-	
Hotham (SSD)	7	_	564	3	_	210	_	_	205	979
				_	-	-	_	_	_	_
Corrigin (S)	_								_	_
Kondinin (S)	_	_	_	_	_					
Kondinin (S) Kulin (S)	- - -	_		_		_	_	_	_	_
Kondinin (S) Kulin (S) Lake Grace (S)	<u>-</u> - - -	_ _ _	 	_ _ _	· <u>-</u>		<u>-</u> -	-	_	=
Kondinin (S) Kulin (S)	- - - -	_ _ _ _	_ _ _	_ _ _ _	· <u>-</u>	_		<u>-</u> -	=	<u>-</u>

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JULY 1994—continued

		!	Vew residen	ial building			Alterations and	Non-residential building		
		Houses		Other r	esidential bui	dings	additions			
Statistical local area, statistical subdivision and statistical division	Private aector (number)	Public sector (number)	Total value (\$'000)	Private sector (number)	Public sector (number)	Total value (\$ 000)	to residential buildings (\$*000)	Private sector (\$'000)	Total (\$'000)	Total building (\$*000)
		MIDLA	NDS STA	TISTICAL	DIVISION					
Chittering (S)	8	_	609					_	_	609
Dandaragan (S)	-		_		_	_	_	_	_	_
Gingin (S)	7	_	464	_	_	_		_	-	464
Moora (S)	_	_	_	_	_		23	_	_	23
Victoria Plains (S)		_		_	_	_	_	_	_	-
Moore (SSD)	15	_	1,073	_	-	_	23	_	_	1,096
Bevæley (S)	_	-	_	_	_	_	_		_	_
Cunderdin (S)	_	_	_	_	_	_		_		-
Delwellinu (S)		_	_	_	_		_	_	_	
Dowerin (S)	_		_	_	_	_	_		_	
Geomalling (S)			-	_	_	_		_	_	_
Koorda (S)	_	_	_		_	-	_	_		_
Northam (T)	2	_	176			_	16		_	192
Northam (S)	3		235		_		_	_		235
Quaireding (S)	_	_	_		2	190				190
Temmin (S)			_			_		_		_
Toodyay (S)	9		720		_	_	40		_	760
Wongan-Ballidu (S)	<u></u>	_	_	_		_	24	-	_	24
Wyaikatchem (S)	1		35			_	-		_	35
York (S)	2	_	110	_	_		_	_	_	110
Avon (SSD)	17	_	1,276	_	2	190	80	_	_	1,546
Bruce Rock (S)	_	_	_	_	_	_	_		_	
Kellerberrin (S)	_	_		_		_	24		_	24
Merredin (S)	_					_	53	_	_	53
Mount Marshall (S)	_	_	_	_	_	_	_	_	_	
Mukinbudin (S)			_			_	_	_	_	_
Narembeen (S)	1	_	100		_		_	_		100
Nungarin (S)			_			_	_	_	_	_
Trayming (S)	1	_	96	_	_	_	_	_	_	96
Westonia (S)	<u>.</u>		-		_	_	_	_	_	
Yilgam (S)	_			_	_	*****	_	_	_	_
Campion (SSD)	2	_	196	_	_	_	77	_	_	273
Total	34	_	2,544		2	190	180	_	_	2,914
		SOUTH EA	STERN S	TATISTIC	AL DIVISIO)N				
C -1 - 4'- (C)	 						77			77
Coolgardie (S)	_	_		_	-	100		1 010	1 010	
Kalgooriie/Boulder (C)	20	_	1,906	2	_	120	256	1,019	1,019	3,301
Laverton (S)	_	_	_	-	_	_	_		_	_
Leonora (S)	_		_	_	_	_	_	_	-	_
Menzies (S)	_	_		_		-	- 111	100		2 279
Lafroy (SSD)	20	_	1,906	2	_	120	333	1,019	1,D19	3,378
Dundas (S)	_	_	_	_	-	_	_	_	1,706	1,706
Esperance (S)	7	_	479	_	_	_	77	1 26	126	682
Ravensthorpe (S)	_	_	_	_	_	_	_	_		
Johnston (SSD)	7		479	—	-		77	126	1,832	2,388
Total	27	_	2,385	2	_	120	410	1,145	2,851	5,766

For footnote, see end of table.

TABLE 7. BUILDING APPROVALS BY STATISTICAL LOCAL AREAS (a), JULY 1994—continued

			Vew residen	ial building			Alterations	Non-resi build			
	Houses			Other residential buildings			and : additions				
Statistical local area, statistical subdivision and statistical division	Private sector (number)	Public sector (number)	Total value (\$°000)	Private sector (number)	Public sector (number)	Total value (\$`000)	₩.	Private sector (\$'000)	Total (\$'000)	Total building (\$'000)	
		CENTI	RALSTAT	MSTICAL :	DIVISION						
Camervon (S)	1		119	_			26	150	150	295	
Exmouth (S)	_	_	-	_	_	_		_	_		
Shark Bay (S)	1	_	50	_		_		113	113	163	
Upper Gascoyne (S) Gascoyne (SSD)	2		169	_	_	_		263	 263	458	
Cue (S)											
Monkatharra (S)	_	_	_	_	_	_	_	_	_	_	
Mount Magnet (S)	_	_	_	_	_		_	_	_	_	
Murchison (S)	_	_	_	_	_			_			
Ngaanyatjarraku (S)				_	_	_	_	_	_	_	
Sandstone (S)	_	_		_	_	_		_	_		
Wilune (S)	_	_		-	_	_	_	_	_	_	
Yalgoo (S)	_	_	_		_		_	_	_	_	
Carnegia (SSD)	_	_	-	_		_	_	_		_	
Carnamah (S)	_	_	_			_	_	_	_	_	
Chapman Valley (S)	_	_	_	_	_	_	_		_	_	
Coarow (S) Geraldion (C)	_ 3		700		_	_	-	_			
Greenough (S)	28	_	390 3,075	20	9	1,981	71 ~~	300	300	2,742	
Irwin (S)	4	_	261	_	_	_	27	_	_	3,102 261	
Mingenew (S)	<u>.'</u>	_		_	_				_	201	
Morawa (S)	_	_		~-	_	_		_	_	_	
Mullewe (S)	_		_	-	_	_	_	_		_	
Northampton (S)	_	_	_	_	_		_	_	_	_	
Perenjeri (S)	_	_	-	_	_	_		_	_	_	
Three Springs (S)	_	-	_	_		_	******	-	_	_	
Greenough River (SSD)	35	_	3,727	20	g	1,981	98	300	300	6,105	
Total	37		3,894	20	9	1,981	124	563	563	6,563	
		PILBA	RA STAT	ISTICAL E	IVISION						
East Pilbara (S)								1,150	1,150	1,150	
Port Hediand (T)	2	_	150		_	_	27	225	325	502	
De Grey (SSD)	2	_	150		_	_	27	1,375	1,475	1,652	
Ashburton (S)											
Roebourne (S)			180	-	_	_	16	745	-		
Fortescue (SSD)	Î	_	180	_	_	_	36 36	365 365	365 365	581 581	
Total	3	_	330		_		63	1,740	1,844	2,233	
		1771 471 771						4,145	1,077		
Halls Creek (S)		KTWREK	LEY STA	HSTICAL	DIVISION						
Wyndham-East Kimberley (S)	_		_	_	_	_	_		_		
Ord (SSD)		_	_	_	_	_	_	110 110	110 <i>110</i>	110 110	
Broome (S)	13		1.407				~~	A			
Derby-West Kimberley (S)		_	1,407	18	_	1,707	78	226	226 20	1,711	
Fiturey (SSD)	13	_	1,407	18	_	1,707	78	70 296	70 296	1,777 3,488	
Total	13		1,407	18		1,707	78	406	406	3,598	
				AUSTRAI	T &	_/		· · · · · · · · · · · · · · · · · · ·			
		· · · · · ·	LOIENN		4/3						
Western Australia	1,497	51	123,344	587	71	44,421	12,738	51,474	55,006	235,510	

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

TABLE 8. NUMBER OF NEW HOUSES APPROVED BY MATERIAL OF OUTER WALLS, FLOOR AREA AND VALUE PER SQUARE METRE BY STATISTICAL DIVISION
JULY 1994

	Material of outer walls								
Statistical division	Double brick(a)	Brick veneer	Fibre cement	Timber	Other and not stated	Total	Floor area (sq m)	Average floor area (sq m)	Average value per square metre (\$)
Perth	1,087	1	4	10	3	1,105	247,033	224	376
South-West	158	17	13	5	5	198	42,571	215	386
Lower Great Southern	10	14	7	2	1	34	8,019	236	364
Upper Great Southern	5		1	_	1	7	1,617	231	349
Midlands	15	4	10	4	1	34	7,059	208	360
South-Eastern	5	9	9	3	1	27	5,358	198	445
Central	31	1	3	1	1	37	8,052	218	484
Pilbara	2	1		_	. 1974	3	542	181	609
Kimberley	1	2	2	_	8	13	2,882	222	488
Western Australia	1,314	49	49	25	21	1,458	323,133	222	382

⁽a) Includes houses constructed with outer walls of stone and concrete.

TABLE 9. NEW DWELLING UNITS APPROVED, BY TYPE AND STATISTICAL DIVISION JULY 1994

		Other residential building								
	Houses	Semi-detached, row or terrace houses, townhouses, etc. of			Flais, u		Total			
Statistical division		l storey	2 or more storeys	Total	1-2 storeys	3 storeys	4 or more storeys	Total	Total	residential building
			NU	MBER OF I	OWELLING UP	vits		•		
*										
Perth	1,105	526	23	549	_	_	_		549	1,654
South West	198	44	2	46	_	_	_	_	46	244
Lower Great										
Southern	34	9	_	9		_	_	****	9	43
Upper Great										
Southern	7	3	_	3		_	_	_	3	10
Midlands	34	2	·-	2	_			_	2	36
South Eastern	27	2	_	2		_	_	_	2	29
Central	37	29	_	29	_	_	_	_	29	66
Pilbara	3		_	_		_	_	_	_	3
Kimberley	13	18	_	18		· —	_	_	18	31
Western Australia	1,458	633	25	658		_		-	658	2,116
				VAL	JE (\$1000)					
Perth	92,859	34,490	1,881	36,371	_		***		36,371	129,230
South West	16,441	3,230	155	3,385	_	_	_	_	3,385	19,825
Lower Great		-,		•					·	
Southern	2,919	458		458	_	_	_		458	3,377
Upper Great	•									
Southern	564	210	_	210					210	774
Midlands	2,544	190	_	190	_	_	_	_	190	2,734
South Eastern	2,385	120	_	120					120	2,505
Central	3,896	1,981	_	1,981		_		_	1,981	5,876
Pijbara	330	· <u> </u>		_	_	_	_	_	_	330
Kimberley	1,407	1,707		1,707	_	_	_	_	1,707	3,114
Western Australia	123,344	42,385	2,036	44,421	-	_	_	_	44,421	167,766

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. 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.
- 10. 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

11. 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.

- 12. 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.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. More details on the DSC are contained in the ABS Information Paper, *Dwelling Structure Classification (DSC)* (1296.0).

Seasonal adjustment

- 17. 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. Tucsdays 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.
- 18. 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.
- 19. 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.
- 20. 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.
- 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 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.
- 22. 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.
- 23. 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

- 24. The base year of constant price estimates of building approvals, contained in this issue, has been changed to 1989-90.
- 25. 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.
- 26. 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.
- 27. 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).
- 28. 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'.
- 29. 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

30. 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

31. 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 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

32. 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.

33. 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	y) 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.

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