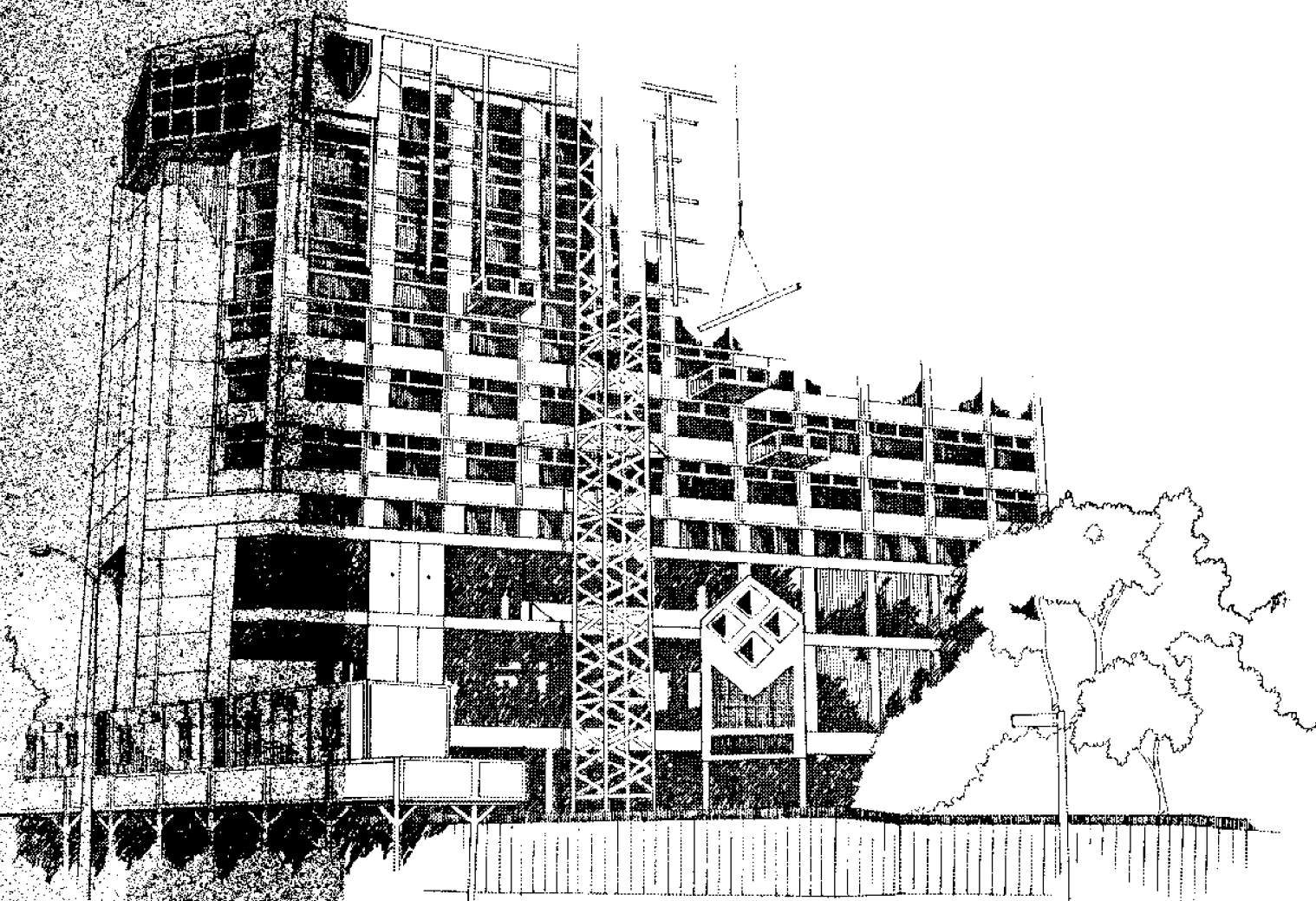


**SEPTEMBER
QUARTER 1993**

**BUILDING ACTIVITY
QUEENSLAND**



BUILDING ACTIVITY, QUEENSLAND, SEPTEMBER QUARTER 1993

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313 Adelaide Street
BRISBANE Q 4000
11 January 1994

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DEPUTY COMMONWEALTH STATISTICIAN

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INQUIRIES

- for further information about these statistics and the availability of related unpublished statistics, contact Information Inquiries on Brisbane (07) 222 6351 (fax (07) 2296042) or any Australian Bureau of Statistics (ABS) State office.
- for information about other ABS statistics and services, telephone, fax or write to Information Inquiries, Australian Bureau of Statistics, GPO Box 9817, Brisbane Q 4001.

MAIN FEATURES

Dwelling units commenced

- Seasonally adjusted, the number of dwelling units commenced in September quarter 1993 was 13,359, up 4 per cent over June quarter 1993, and up 17 per cent over September quarter 1992. Seasonally adjusted, private sector house commencements were 8,746, up 7 per cent over June quarter 1993 and up 10 per cent over September quarter 1992.
- In original figures, the number of dwelling units commenced in September quarter 1993 was 14,089, up 8 per cent over June quarter 1993 and up 17 per cent over September quarter 1992.

Dwelling units completed

- Seasonally adjusted, the number of dwelling units completed in September quarter 1993 was 11,573, down 6 per cent from June quarter 1993, but up 22 per cent over September quarter 1992. Seasonally adjusted private sector house completions in

September quarter 1993 were 8,075, down 13 per cent from June quarter 1993, but up 18 per cent over September quarter 1992.

- In original figures, the number of dwelling units completed in September quarter 1993 was 12,027, up 6 per cent from June quarter 1993 and up 22 per cent from September quarter 1992.

Non-residential building activity

- The value of non-residential building work commenced in September quarter 1993 was \$340.5m, down 32 per cent from June quarter 1993 but up 16 per cent over September quarter 1992.

Value of building work done

- Seasonally adjusted at constant prices, the value of building work in September quarter 1993 was \$1,327.0m, down 8 per cent from June quarter 1993, but up 12 per cent over September quarter 1992.

The movements in the original and seasonally adjusted estimates of the value of building work done between June quarter 1993 and September quarter 1993 and between September quarter 1992 and September quarter 1993 are shown in the following table.

MOVEMENT IN VALUE OF BUILDING WORK DONE, QUEENSLAND
(per cent)

Particulars	June qtr 1993 to September qtr 1993			September qtr 1992 to September qtr 1993		
	Original	Seasonally adjusted	Seasonally adjusted at average 1989-90 prices	Original	Seasonally adjusted	Seasonally adjusted at average 1989-90 prices
New residential building	+10.7	+0.6	+0.5	+12.0	+11.9	+9.3
Non-residential building	+4.8	-6.2	-7.2	+2.0	+1.9	+0.3
Total building	+8.7	-4.0	-4.4	+9.2	+9.2	+6.6

NOTES

This publication contains detailed results for September quarter 1993 from the quarterly building activity survey. Users should note that the data released for September quarter 1993 in this publication are subject to revision.

Figures for the number of private sector houses, total houses and private sector dwelling units and total dwelling units commenced during the quarter, under construction at the end of the quarter and completed during the quarter are presented as actual estimates and, therefore, are subject to the normal sampling variability associated with sample surveys. (See paragraphs 34 to 37 of the Explanatory Notes).

Explanatory Notes are located at the back of this publication.

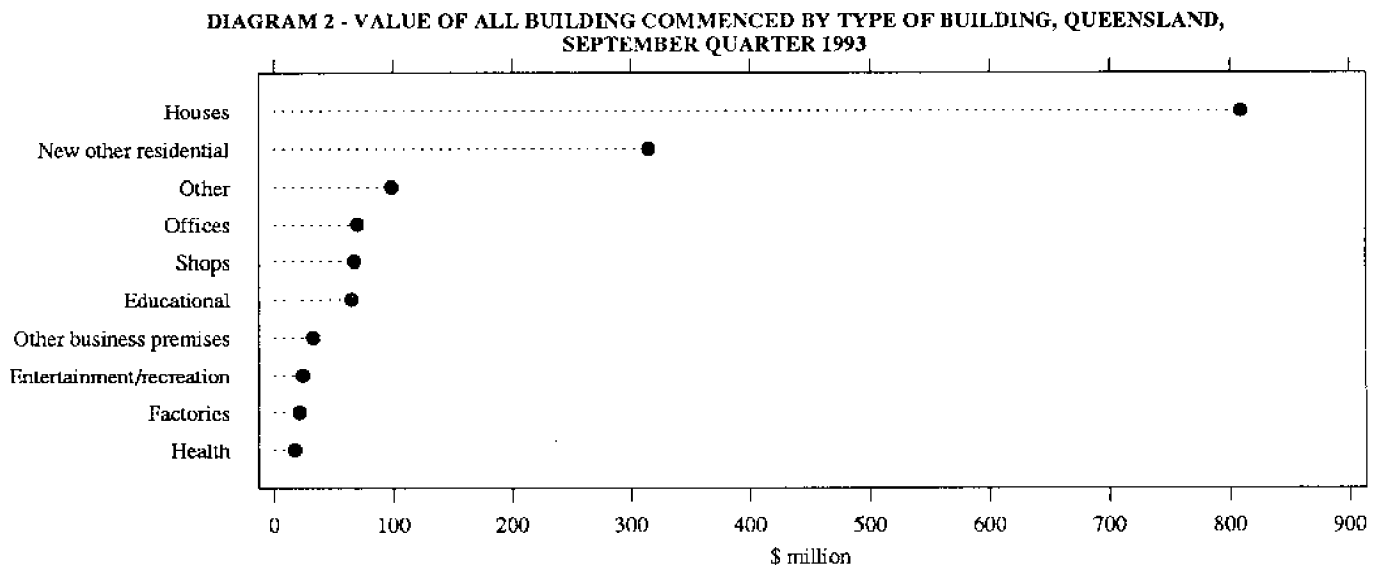
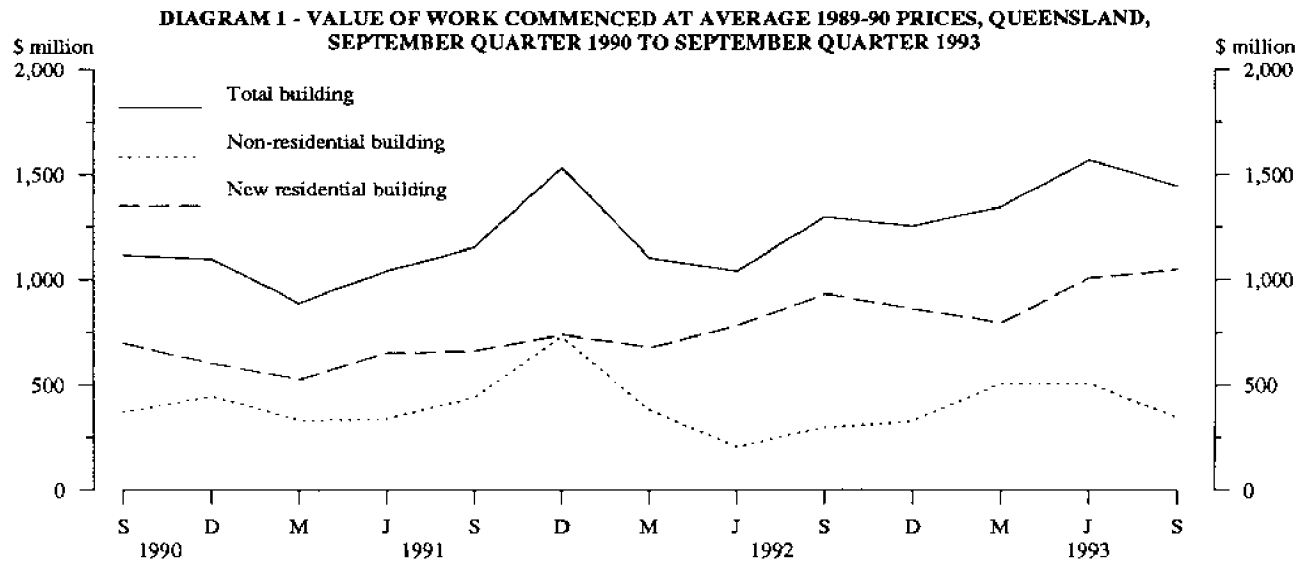


DIAGRAM 3 - NUMBER OF NEW DWELLING UNITS COMMENCED, COMPLETED AND UNDER CONSTRUCTION AT END OF PERIOD, QUEENSLAND, SEPTEMBER QUARTER 1990 TO SEPTEMBER QUARTER 1993

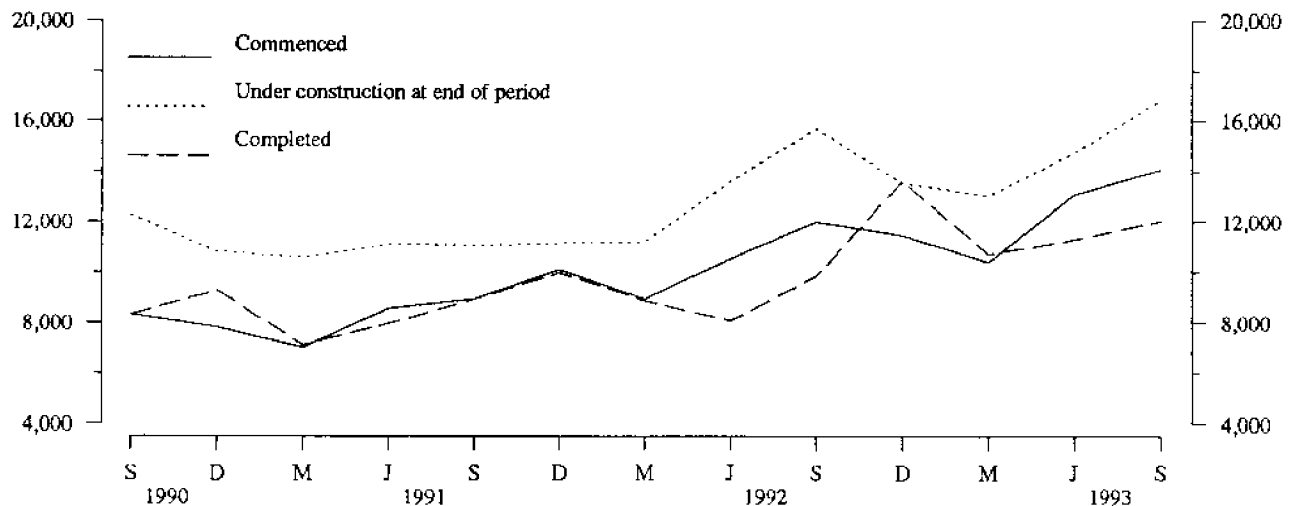


TABLE 1 — SUMMARY OF BUILDING ACTIVITY, QUEENSLAND

TABLE 1 - SUMMARY OF BUILDING ACTIVITIES, QUEENSLAND																			
New residential building										Non-residential building									
Houses					Total					Value (\$m)									
Period	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Alterations and additions to residential buildings (\$m)	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertainment and recreational	Miscellaneous	Total building	
COMPLETED																			
1990-91	23,566	2,017.7	8,203	570.7	31,769	2,588.4	176.2	111.7	184.5	193.4	315.6	196.5	195.2	11.6	105.7	59.8	99.0	1,473.1	4,237.7
1991-92	29,016	2,431.0	9,525	577.9	38,541	3,009.0	207.2	303.4	219.6	85.8	245.1	154.7	207.1	13.9	159.9	76.6	234.3	1,700.4	4,916.6
1992-93 r	33,516	2,924.0	13,469	904.5	46,985	3,828.5	226.0	219.5	234.8	94.5	207.9	230.8	216.2	16.3	91.2	200.6	101.7	1,613.5	5,668.1
1992 June qtr	7,643	650.7	2,893	171.7	10,536	822.4	49.7	8.3	27.4	17.7	41.7	40.8	24.1	2.1	1.6	3.5	34.8	201.9	1,074.1
Sept. qtr	8,482	749.2	3,523	228.3	12,005	977.6	63.9	8.7	53.8	33.6	36.8	55.5	49.0	3.5	22.9	16.4	12.3	292.5	1,334.0
Dec. qtr	8,908	759.2	2,574	164.3	11,482	923.6	63.7	6.1	30.6	17.1	50.4	90.1	63.2	6.8	25.4	11.7	20.5	321.8	1,309.1
1993 Mar. qtr	7,497	657.2	2,909	195.2	10,406	852.4	42.1	29.0	90.3	17.5	31.5	41.8	67.2	2.6	20.9	157.0	41.2	499.0	1,393.5
June qtr	8,629	758.3	4,463	316.6	13,092	1,075.0	56.3	175.7	60.1	26.3	89.2	43.4	36.8	3.5	22.0	15.5	27.6	500.2	1,631.5
Sept. qtr	9,329	809.1	4,760	315.0	14,089	1,124.2	56.1	11.6	67.2	21.6	69.8	32.4	64.8	6.1	17.8	24.6	24.6	340.5	1,520.7
UNDER CONSTRUCTION AT END OF PERIOD																			
1990-91	7,079	653.8	4,039	432.2	11,118	1,086.0	43.5	134.7	336.3	111.2	387.4	100.1	111.6	6.7	91.1	30.8	99.1	1,409.0	2,538.5
1991-92	8,822	827.8	4,787	312.6	13,609	1,140.4	65.1	335.7	229.5	118.4	303.6	88.3	113.1	10.6	155.8	27.8	216.4	1,599.3	2,804.7
1992-93 r	8,559	812.8	6,201	444.5	14,760	1,257.3	53.4	452.0	130.8	123.6	348.8	93.2	95.3	3.9	68.7	163.0	48.8	1,528.1	2,838.7
1992 June qtr	8,822	827.8	4,787	312.6	13,609	1,140.4	65.1	335.7	229.5	118.4	303.6	88.3	113.1	10.6	155.8	27.8	216.4	1,599.3	2,804.7
Sept. qtr	9,746	941.3	5,968	397.5	15,714	1,338.8	81.2	334.2	89.8	138.6	312.0	74.7	111.2	13.2	124.5	29.8	197.4	1,425.5	2,845.5
Dec. qtr	8,617	797.0	4,912	331.8	13,529	1,128.8	64.3	271.9	57.0	131.0	340.5	97.1	129.1	12.7	112.1	28.8	147.7	1,327.9	2,521.0
1993 Mar. qtr	8,475	805.6	4,573	318.4	13,048	1,124.1	57.5	281.8	125.9	126.6	345.9	110.3	96.7	10.1	81.0	161.0	153.7	1,493.0	2,674.6
June qtr	8,559	812.8	6,201	444.5	14,760	1,257.3	53.4	452.0	130.8	123.6	348.8	93.2	95.3	3.9	68.7	163.0	48.8	1,528.1	2,838.7
Sept. qtr	9,154	857.5	7,668	538.2	16,822	1,395.7	50.1	452.0	91.7	125.8	383.4	92.9	140.2	7.8	41.9	172.7	37.6	1,546.0	2,991.8
COMPLETED																			
1990-91	22,986	1,987.1	9,751	791.3	32,737	2,778.4	170.6	328.1	401.0	168.8	255.4	220.0	147.3	9.1	112.0	46.8	99.9	1,788.3	4,737.3
1991-92	27,105	2,232.0	8,757	685.2	35,862	2,917.2	190.3	114.0	297.2	88.3	315.7	166.5	220.6	12.2	80.2	78.5	122.5	1,495.7	4,603.2
1992-93 r	33,600	2,907.3	11,941	771.9	45,541	3,679.1	228.6	109.5	332.7	87.7	183.8	219.1	236.8	22.9	171.4	66.5	270.1	1,700.4	5,608.2
1992 June qtr	6,148	503.6	1,948	110.4	8,096	614.0	41.1	91.0	117.8	13.5	39.8	19.4	21.8	0.8	12.4	33.6	25.7	375.9	1,031.0
Sept. qtr	7,543	639.5	2,312	141.2	9,855	780.7	44.9	12.0	192.7	13.5	23.7	58.1	52.3	1.1	54.8	13.6	29.0	450.8	1,276.4
Dec. qtr	10,005	894.9	3,630	236.1	13,635	1,131.1	74.2	71.9	61.6	24.4	47.3	69.5	45.7	9.0	29.4	11.5	70.2	440.3	1,645.5
1993 Mar. qtr	7,545	645.1	3,180	207.7	10,725	852.8	47.5	19.9	21.8	20.1	26.6	31.0	99.1	3.8	52.4	27.7	36.6	339.0	1,239.3
June qtr	8,507	727.7	2,819	186.9	11,326	914.6	62.0	5.6	56.6	29.8	86.3	60.5	39.7	9.0	34.8	13.7	134.2	470.3	1,446.9
Sept. qtr	8,734	758.3	3,293	222.8	12,027	981.1	59.9	11.3	110.1	19.8	35.1	32.0	20.3	2.3	45.5	17.9	36.0	330.4	1,371.3

TABLE 1 — SUMMARY OF BUILDING ACTIVITY, QUEENSLAND—continued

Period	New residential building					Non-residential building														Total building																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Houses		Other residential buildings		Total	Alterations and additions to residential buildings					Other business premises																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)		Value (\$m)	Hotels etc.	Shops	Factories	Offices	Educational	Religious	Health	Entertainment and recreational	Miscellaneous																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

NOTE: The number of self-contained dwelling units commenced 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 39 such dwelling units commenced in the September quarter 1993.

TABLE 2 — SUMMARY OF PRIVATE SECTOR BUILDING ACTIVITY, QUEENSLAND

New residential building										Value (\$m)									
Houses					Other residential buildings					Total					Non-residential building				
Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Alterations and additions to residential buildings	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Enter-tainment and recrea-tional	Miscel-laneous	Total	Total building	
Period																			
COMMENCED																			
1990-91	22,654	1,962.1	6,496	495.4	29,150	2,457.5	175.8	111.4	183.9	187.3	226.2	136.8	55.3	11.6	90.2	53.8	40.4	1,096.8	3,730.1
1991-92	28,068	2,368.9	8,595	532.3	36,663	2,901.2	206.6	303.1	213.5	78.8	127.4	112.8	50.0	13.9	81.2	72.3	86.1	1,139.1	4,246.8
1992-93 r	32,793	2,866.9	12,096	825.5	44,889	3,692.4	225.7	219.3	233.6	90.4	96.0	185.1	76.9	16.3	73.0	46.5	78.4	1,115.5	5,033.7
1992 June qtr	7,424	635.2	2,471	151.0	9,895	786.2	49.7	8.3	25.4	17.4	28.7	20.8	4.2	2.1	1.0	3.5	26.6	138.0	973.8
Sept. qtr	8,328	737.7	2,852	190.0	11,180	927.6	63.8	8.5	53.6	33.6	31.9	38.6	14.5	3.5	14.1	13.2	8.6	220.3	1,211.7
Dec. qtr	8,788	750.0	2,439	156.3	11,227	906.2	63.6	6.1	30.2	15.7	24.4	86.1	31.5	6.8	23.2	10.0	17.6	251.4	1,221.3
1993 Mar. qtr	7,314	642.3	2,712	183.9	10,026	826.1	42.0	29.0	89.8	17.1	14.3	23.9	22.4	2.6	17.0	11.0	34.9	262.0	1,130.1
June qtr r	8,363	737.0	4,093	295.5	12,456	1,032.4	56.2	175.7	60.0	24.0	25.5	36.5	8.5	3.5	18.6	12.3	17.2	381.9	1,470.5
Sept. qtr	9,155	795.2	4,058	275.1	13,213	1,070.3	55.9	11.6	65.8	21.2	58.3	31.7	26.1	6.1	17.0	21.8	21.6	281.0	1,407.2
UNDER CONSTRUCTION AT END OF PERIOD																			
1990-91	6,580	624.3	3,265	395.8	9,845	1,020.1	43.5	134.7	252.0	107.2	318.9	39.4	21.6	6.7	78.2	27.5	19.4	1,005.6	2,069.2
1991-92	8,428	800.7	4,239	286.1	12,667	1,086.8	64.5	335.7	227.6	116.1	231.3	41.5	16.1	10.6	97.5	25.0	66.0	1,167.5	2,318.8
1992-93 r	8,254	788.9	5,673	414.1	13,927	1,203.0	53.4	452.0	130.6	121.7	192.4	70.2	39.5	3.9	62.6	19.2	35.8	1,128.1	2,384.4
1992 June qtr	8,428	800.7	4,239	286.1	12,667	1,086.8	64.5	335.7	227.6	116.1	231.3	41.5	16.1	10.6	97.5	25.0	66.0	1,167.5	2,318.8
Sept. qtr	9,530	925.2	4,906	340.7	14,436	1,265.9	81.2	334.0	88.5	136.3	239.1	44.7	16.9	13.2	67.0	25.3	53.3	1,018.3	2,365.4
Dec. qtr	8,482	786.6	4,294	297.5	12,776	1,084.0	64.3	271.9	56.6	130.1	252.8	86.6	37.9	12.7	69.8	25.4	48.6	992.3	2,140.7
1993 Mar. qtr	8,263	788.4	4,231	298.4	12,494	1,086.8	57.5	281.8	125.4	126.0	245.8	85.4	40.4	10.1	58.9	16.0	52.7	1,042.6	2,186.9
June qtr r	8,254	788.9	5,673	414.1	13,927	1,203.0	53.4	452.0	130.6	121.7	192.4	70.2	39.5	3.9	62.6	19.2	35.8	1,128.1	2,384.4
Sept. qtr	8,928	840.0	6,651	481.3	15,579	1,321.3	50.1	452.0	91.2	123.8	227.7	79.1	60.0	7.8	35.2	27.8	26.6	1,131.1	2,502.4
COMPLETED																			
1990-91	22,272	1,943.2	7,874	708.5	30,146	2,651.7	169.9	327.8	400.0	147.4	212.3	149.3	49.7	9.1	77.4	42.5	43.3	1,458.8	4,280.4
1991-92	26,052	2,167.2	7,601	628.8	33,653	2,796.0	190.2	113.6	209.4	78.7	197.0	107.9	53.5	12.2	61.3	72.2	44.2	950.1	3,936.4
1992-93 r	32,788	2,847.0	10,548	697.0	43,336	3,544.0	227.8	109.3	329.7	83.1	155.9	156.6	52.9	22.9	96.6	53.5	108.5	1,169.0	4,940.8
1992 June qtr	5,991	493.1	1,780	103.0	7,771	596.1	41.1	91.0	30.5	12.7	26.5	18.7	5.2	0.8	7.4	33.5	12.9	239.3	876.5
Sept. qtr	7,211	617.0	2,155	133.3	9,366	750.3	44.3	12.0	191.9	13.5	19.5	35.8	13.8	1.1	45.2	12.1	18.4	363.3	1,157.9
Dec. qtr	9,804	880.0	3,051	205.3	12,855	1,085.4	74.0	71.7	60.3	21.6	35.8	44.2	10.0	9.0	9.6	8.7	22.4	293.3	1,452.7
1993 Mar. qtr	7,439	636.8	2,707	182.2	10,146	819.0	47.5	19.9	21.4	19.4	21.8	25.7	19.8	3.8	26.6	23.5	32.0	213.9	1,080.4
June qtr r	8,334	713.1	2,635	176.2	10,969	889.3	62.0	5.6	56.1	28.7	78.9	50.9	9.2	9.0	15.1	9.2	35.7	298.5	1,249.8
Sept. qtr	8,481	738.0	3,080	209.2	11,561	947.3	59.7	11.3	109.1	19.5	23.0	21.8	6.1	2.3	45.3	16.2	30.7	285.3	1,292.3

TABLE 3—SUMMARY OF PUBLIC SECTOR BUILDING ACTIVITY, QUEENSLAND

New residential building										Value (\$m)										
Houses					Other residential buildings			Total		Non-residential building										
Number of dwelling units		Value (\$m)	Number of dwelling units		Value (\$m)	Number of dwelling units		Value (\$m)	Alterations and additions to residential buildings	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertainment and recreational	Miscellaneous	Total building
COMPLETED																				
1990-91		912	55.6	1,707	75.3	2,619	130.8	0.4	0.3	0.7	6.2	89.5	59.7	140.0	—	15.5	6.0	58.6	376.3	507.6
1991-92		948	62.1	930	45.6	1,878	107.8	0.6	0.4	6.1	7.1	117.7	41.9	157.1	—	78.7	4.3	148.1	561.4	669.7
1992-93 r		723	57.2	1,373	78.9	2,096	136.1	0.3	0.2	1.2	4.1	111.9	45.7	139.3	—	18.2	154.1	23.3	498.0	634.4
1992 June qtr		219	15.5	422	20.7	641	36.2	0.1	—	2.0	0.3	13.0	20.0	19.9	—	0.6	—	8.1	64.0	100.3
Sept. qtr		154	11.6	671	38.4	825	49.9	0.1	0.2	0.1	—	4.9	16.9	34.5	—	8.7	3.2	3.7	72.2	122.3
Dec. qtr		120	9.3	135	8.1	255	17.3	0.1	—	0.4	1.4	26.1	4.0	31.7	—	2.2	1.8	2.8	70.4	87.8
1993 Mar. qtr		183	15.0	197	11.3	380	26.3	—	—	0.5	0.4	17.3	18.0	44.9	—	3.8	146.0	6.3	237.0	263.4
June qtr r		266	21.3	370	21.2	636	42.5	0.1	—	0.1	2.3	63.7	6.8	28.3	—	3.4	3.2	10.5	118.3	161.0
Sept. qtr		174	13.9	702	39.9	876	53.9	0.1	—	1.5	0.5	11.6	0.7	38.7	—	0.8	2.7	3.0	59.5	113.5
UNDER CONSTRUCTION AT END OF PERIOD																				
1990-91		499	29.4	774	36.5	1,273	65.9	—	—	84.3	4.0	68.5	60.7	90.0	—	12.9	3.3	79.7	403.4	469.3
1991-92		394	27.0	548	26.6	942	53.6	0.5	—	2.0	2.3	72.3	46.8	97.0	—	58.3	2.8	150.3	431.7	485.9
1992-93 r		305	23.9	528	30.4	833	54.3	—	—	0.1	1.9	156.4	23.0	55.7	—	6.1	143.8	12.9	400.0	454.3
1992 June qtr		394	27.0	548	26.6	942	53.6	0.5	—	2.0	2.3	72.3	46.8	97.0	—	58.3	2.8	150.3	431.7	485.9
Sept. qtr		216	16.1	1,062	56.8	1,278	72.9	—	0.2	1.3	2.3	72.9	30.0	94.4	—	57.5	4.5	144.2	407.2	480.2
Dec. qtr		135	10.5	618	34.3	753	44.8	—	—	0.4	0.9	87.7	10.5	91.2	—	42.3	3.4	99.1	335.5	380.3
1993 Mar. qtr		212	17.2	342	20.1	554	37.3	—	—	0.5	0.6	100.1	24.9	56.3	—	22.1	145.0	100.9	450.4	487.7
June qtr r		305	23.9	528	30.4	833	54.3	—	—	0.1	1.9	156.4	23.0	55.7	—	6.1	143.8	12.9	400.0	454.3
Sept. qtr		226	17.6	1,017	56.8	1,243	74.4	—	—	0.6	1.9	155.8	13.8	80.2	—	6.7	144.9	11.0	414.9	489.3
COMPLETED																				
1990-91		714	43.9	1,877	82.8	2,591	126.7	0.7	0.3	1.0	21.5	43.1	70.7	97.6	—	34.5	4.3	56.5	329.5	456.9
1991-92		1,053	64.8	1,156	56.4	2,209	121.2	0.1	0.4	87.8	9.6	118.7	58.6	167.1	—	18.9	6.3	78.3	545.6	666.9
1992-93 r		812	60.3	1,393	74.9	2,205	135.2	0.8	0.2	3.0	4.6	27.9	62.4	183.9	—	74.8	13.0	161.5	531.4	667.4
1992 June qtr		157	10.4	168	7.4	325	17.9	—	—	87.3	0.8	13.3	0.7	16.7	—	4.9	0.1	12.9	136.6	154.5
Sept. qtr		332	22.5	157	7.9	489	30.4	0.6	—	0.8	—	4.2	22.3	38.5	—	9.6	1.5	10.7	87.5	118.5
Dec. qtr		201	14.9	579	30.8	780	45.7	0.1	0.2	1.3	2.8	11.5	25.3	35.6	—	19.8	2.8	47.8	147.0	192.8
1993 Mar. qtr		106	8.2	473	25.6	579	33.8	—	—	0.5	0.8	4.8	5.3	79.3	—	25.7	4.2	4.6	125.1	158.9
June qtr r		173	14.6	184	10.7	357	25.3	0.1	—	0.5	1.0	7.5	9.6	30.5	—	19.7	4.5	98.5	171.8	197.1
Sept. qtr		253	20.2	213	13.6	466	33.8	0.2	—	1.0	0.3	12.2	10.2	14.3	—	0.2	1.7	5.2	45.0	79.0

TABLE 3 — SUMMARY OF PUBLIC SECTOR BUILDING ACTIVITY, QUEENSLAND—Continued

New residential building					Value (\$m)														
Houses		Other residential buildings		Total	Non-residential building														
Period	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Number of dwelling units	Value (\$m)	Alterations and additions to residential buildings	Hotels etc.	Shops	Factories	Offices	Other business premises	Educa- tional	Reli- gious	Health	Enter- tainment and recrea- tional	Miscel- laneous	Total	Total building
VALUE OF WORK DONE DURING PERIOD																			
1990-91	..	48.1	..	78.8	..	126.9	0.5	0.3	43.7	13.9	67.5	63.0	108.7	—	28.0	5.6	70.5	401.3	528.7
1991-92	..	65.9	..	45.4	..	111.2	0.5	0.4	9.0	8.5	95.1	43.9	201.7	—	54.3	5.4	105.8	524.0	635.8
1992-93 r	..	58.0	..	78.8	..	136.8	0.4	0.2	2.6	4.3	84.7	56.0	134.6	—	41.9	24.3	94.2	442.7	580.0
1992 June qtr	..	15.6	..	9.5	..	25.1	0.3	—	0.8	1.3	13.0	10.3	39.9	—	16.2	0.9	34.2	116.6	142.0
Sept. qtr	..	18.0	..	27.2	..	45.2	0.2	0.1	1.3	1.1	13.7	17.0	27.6	—	15.4	2.8	30.9	109.8	155.2
Dec. qtr	..	8.8	..	24.1	..	32.9	0.1	—	0.5	1.3	18.8	9.8	43.3	—	12.2	2.2	25.6	113.5	146.6
1993 Mar. qtr	..	10.7	..	14.4	..	25.1	—	—	0.6	0.8	22.2	15.0	47.2	—	9.1	9.8	18.7	123.3	148.4
June qtr r	..	20.5	..	13.0	..	33.5	0.1	—	0.3	1.2	30.0	14.2	16.6	—	5.2	9.6	19.0	96.1	129.7
Sept. qtr	..	16.0	..	23.9	..	39.9	0.2	—	1.3	1.3	30.9	5.9	23.8	—	2.9	14.5	6.4	87.1	127.1
VALUE OF WORK YET TO BE DONE																			
1990-91	..	14.6	..	16.5	..	31.1	—	—	5.0	2.0	33.0	21.9	58.2	—	12.0	1.2	33.7	166.9	198.1
1991-92	..	11.1	..	17.7	..	28.8	0.1	—	1.5	1.4	60.3	22.6	30.3	—	22.6	1.6	77.0	217.5	246.4
1992-93 r	..	10.2	..	17.6	..	27.8	—	—	—	1.3	87.7	5.3	39.0	—	3.4	131.3	7.0	275.0	302.9
1992 June qtr	..	11.1	..	17.7	..	28.8	0.1	—	1.5	1.4	60.3	22.6	30.3	—	22.6	1.6	77.0	217.5	246.4
Sept. qtr	..	4.7	..	28.6	..	33.3	—	—	0.3	0.3	51.4	11.2	38.6	—	16.1	2.0	50.7	170.6	203.9
Dec. qtr	..	5.1	..	12.7	..	17.9	—	—	0.2	0.5	58.9	7.2	27.8	—	8.5	1.6	27.8	132.5	150.3
1993 Mar. qtr	..	9.4	..	9.7	..	19.0	—	—	0.1	0.1	53.9	11.9	25.6	—	4.9	137.6	15.5	249.8	268.8
June qtr r	..	10.2	..	17.6	..	27.8	—	—	—	1.3	87.7	5.3	39.0	—	3.4	131.3	7.0	275.0	302.9
Sept. qtr	..	8.1	..	33.8	..	41.9	—	—	0.2	0.3	68.3	0.5	53.9	—	1.3	119.5	3.9	247.9	289.8

TABLE 4 — NUMBER OF DWELLING UNITS BY STAGE OF CONSTRUCTION, QUEENSLAND
(SEASONALLY ADJUSTED SERIES)

Period	Houses				Total			
	Private sector		Total		Private sector		Total	
	Commenced	Completed	Commenced	Completed	Commenced	Completed	Commenced	Completed
1992 June qtr	7,237	6,650	7,503	6,838	9,636	8,466	10,370	8,840
Sept. qtr	7,957	6,870	8,162	7,119	10,620	9,080	11,406	9,484
Dec. qtr	8,117	8,836	8,156	9,060	10,671	11,510	10,841	12,258
1993 Mar. qtr	8,666	7,909	8,822	8,043	11,543	10,845	11,915	11,495
June qtr r	8,143	9,262	8,465	9,477	12,129	11,974	12,891	12,375
Sept. qtr	8,746	8,075	8,972	8,234	12,530	11,202	13,359	11,573

TABLE 5 — VALUE OF BUILDING WORK DONE, QUEENSLAND
(SEASONALLY ADJUSTED SERIES)
(\$ million)

Period	New residential building			Non-residential building	Total building
	Houses	Other residential buildings	Total		
1992 June qtr	621.3	154.8	770.0	378.0	1,230.9
Sept. qtr	677.2	184.8	869.3	358.1	1,283.1
Dec. qtr	746.1	206.0	953.5	371.8	1,372.2
1993 Mar. qtr	762.2	190.8	949.3	391.3	1,362.6
June qtr r	740.7	236.6	967.0	389.3	1,458.6
Sept. qtr	718.2	244.7	972.9	365.0	1,400.6

TABLE 6 — VALUE OF BUILDING WORK COMMENCED, AT AVERAGE 1989-90 PRICES (a), QUEENSLAND
(\$ million)

Period	New residential building			Alterations and additions to residential buildings	Non-residential building		Total building
	Houses	Other residential buildings	Total		Private sector	Total	
1990-91	1,909.3	579.2	2,488.5	167.1	1,112.3	1,495.1	4,150.7
1991-92	2,265.0	610.8	2,875.8	194.6	1,183.8	1,767.3	4,837.7
1992-93 r	2,662.0	947.3	3,609.3	206.4	1,144.7	1,655.6	5,471.3
1992 June qtr	604.7	181.4	786.1	46.6	143.2	209.6	1,042.3
Sept. qtr	694.5	240.4	934.9	59.6	227.8	302.5	1,297.0
Dec. qtr	694.1	172.5	866.6	58.0	258.9	331.4	1,256.0
1993 Mar. qtr	592.7	204.2	796.9	38.0	268.7	511.8	1,346.7
June qtr r	680.7	330.2	1,010.9	50.8	389.3	509.9	1,571.6
Sept. qtr	723.0	328.2	1,051.2	50.4	285.0	345.3	1,446.9

(a) See paragraphs 44 and 45 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up-to-date information on prices and commodity compositions becomes available.

TABLE 7 — VALUE OF BUILDING WORK DONE, AT AVERAGE 1989-90 PRICES (a), QUEENSLAND
(ORIGINAL AND SEASONALLY ADJUSTED SERIES)
(\$ million)

Period	New residential building			Alterations and additions to residential buildings	Non-residential building		Total building
	Houses	Other residential buildings	Total		Private sector	Total	
ORIGINAL							
1990-91	1,917.5	724.9	2,642.4	164.6	1,268.5	1,666.4	4,473.4
1991-92	2,183.2	609.1	2,792.3	186.9	1,106.4	1,644.3	4,623.5
1992-93 r	2,650.8	848.2	3,499.0	204.7	1,090.5	1,544.0	5,247.7
1992 June qtr	557.7	149.0	706.7	44.3	246.2	366.7	1,117.7
Sept. qtr	665.7	211.0	876.7	48.9	272.7	385.3	1,310.9
Dec. qtr	731.9	215.1	947.0	63.1	292.5	408.8	1,418.9
1993 Mar. qtr	610.3	198.2	808.5	39.8	250.6	377.2	1,225.5
June qtr r	642.9	223.9	866.8	52.9	274.7	372.7	1,292.4
Sept. qtr	682.7	276.3	959.0	52.9	298.7	386.6	1,398.5
SEASONALLY ADJUSTED							
1992 June qtr	574.6	163.1	731.1	n.a.	n.a.	390.5	1,199.3
Sept. qtr	625.3	193.3	826.0	n.a.	n.a.	367.2	1,244.7
Dec. qtr	679.4	214.8	894.0	n.a.	n.a.	380.9	1,317.1
1993 Mar. qtr	686.6	199.1	884.8	n.a.	n.a.	401.8	1,305.6
June qtr r	663.1	245.6	897.7	n.a.	n.a.	396.9	1,387.8
Sept. qtr	640.1	252.6	902.5	n.a.	n.a.	368.3	1,327.0

(a) See paragraphs 44 and 45 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up-to-date information on prices and commodity compositions becomes available.

TABLE 8 — NUMBER OF DWELLING UNITS BY OWNERSHIP, CLASS OF BUILDER AND STAGE OF CONSTRUCTION, QUEENSLAND

Period	Private sector					Public sector			Total		
	Houses			Other residential buildings	Total	Houses	Other residential buildings	Total	Houses	Other residential buildings	Total
	Contractor-built	Other	Total								
COMMENCED											
1990-91	18,992	3,662	22,654	6,496	29,150	912	1,707	2,619	23,566	8,203	31,769
1991-92	22,675	5,394	28,068	8,595	36,663	948	930	1,878	29,016	9,525	38,541
1992-93 r	27,782	5,011	32,793	12,096	44,889	723	1,373	2,096	33,516	13,469	46,985
1992 June qtr	5,841	1,583	7,424	2,471	9,895	219	422	641	7,643	2,893	10,536
Sept. qtr	7,244	1,085	8,328	2,852	11,180	154	671	825	8,482	3,523	12,005
Dec. qtr	7,390	1,398	8,788	2,439	11,227	120	135	255	8,908	2,574	11,482
1993 Mar. qtr	6,169	1,145	7,314	2,712	10,026	183	197	380	7,497	2,909	10,406
June qtr r	6,980	1,383	8,363	4,093	12,456	266	370	636	8,629	4,463	13,092
Sept. qtr	7,766	1,389	9,155	4,058	13,213	174	702	876	9,329	4,760	14,089
UNDER CONSTRUCTION AT END OF PERIOD											
1990-91	4,522	2,058	6,580	3,265	9,845	499	774	1,273	7,079	4,039	11,118
1991-92	5,213	3,216	8,428	4,239	12,667	394	548	942	8,822	4,787	13,609
1992-93 r	5,567	2,688	8,254	5,673	13,927	305	528	833	8,559	6,201	14,760
1992 June qtr	5,213	3,216	8,428	4,239	12,667	394	548	942	8,822	4,787	13,609
Sept. qtr	6,549	2,981	9,530	4,906	14,436	216	1,062	1,278	9,746	5,968	15,714
Dec. qtr	5,589	2,893	8,482	4,294	12,776	135	618	753	8,617	4,912	13,529
1993 Mar. qtr	5,580	2,682	8,263	4,231	12,494	212	342	554	8,475	4,573	13,048
June qtr r	5,567	2,688	8,254	5,673	13,927	305	528	833	8,559	6,201	14,760
Sept. qtr	6,566	2,362	8,928	6,651	15,579	226	1,017	1,243	9,154	7,668	16,822
COMPLETED											
1990-91	18,776	3,496	22,272	7,874	30,146	714	1,877	2,591	22,986	9,751	32,737
1991-92	22,237	3,815	26,052	7,601	33,653	1,053	1,156	2,209	27,105	8,757	35,862
1992-93 r	27,299	5,489	32,788	10,548	43,336	812	1,393	2,205	33,600	11,941	45,541
1992 June qtr	5,070	922	5,991	1,780	7,771	157	168	325	6,148	1,948	8,096
Sept. qtr	6,003	1,207	7,211	2,155	9,366	332	157	489	7,543	2,312	9,855
Dec. qtr	8,081	1,723	9,804	3,051	12,855	201	579	780	10,005	3,630	13,635
1993 Mar. qtr	6,184	1,256	7,439	2,707	10,146	106	473	579	7,545	3,180	10,725
June qtr r	7,031	1,303	8,334	2,635	10,969	173	184	357	8,507	2,819	11,326
Sept. qtr	6,766	1,715	8,481	3,080	11,561	253	213	466	8,734	3,293	12,027

TABLE 9 — NUMBER AND VALUE OF NEW HOUSES BUILT BY CONTRACT BUILDERS FOR PRIVATE OWNERSHIP
BY COMPLETION VALUE RANGE AND STAGE OF CONSTRUCTION,
QUEENSLAND

Period	Commenced				Under construction at end of period				Completed			
	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total
NUMBER												
1990-91	782	4,525	13,685	18,992	111	733	3,678	4,522	804	4,720	13,253	18,776
1991-92	774	6,009	15,892	22,675	126	1,113	3,973	5,213	822	5,788	15,628	22,237
1992-93	789	5,517	21,476	27,782	143	859	4,565	5,567	740	5,944	20,614	27,299
1992 June qtr	158	1,534	4,149	5,841	126	1,113	3,973	5,213	174	1,395	3,501	5,070
Sept. qtr	95	1,547	5,602	7,244	95	1,100	5,355	6,549	111	1,581	4,312	6,003
Dec. qtr	250	1,555	5,585	7,390	181	978	4,430	5,589	148	1,804	6,129	8,081
1993 Mar. qtr	275	1,077	4,817	6,169	270	744	4,567	5,580	186	1,381	4,617	6,184
June qtr	170	1,337	5,473	6,980	143	859	4,565	5,567	296	1,179	5,556	7,031
Sept. qtr	191	1,296	6,279	7,766	80	843	5,643	6,566	255	1,312	5,200	6,766
VALUE (\$m)												
1990-91	24.4	226.8	1,428.4	1,679.6	3.3	37.1	418.3	458.7	25.3	236.0	1,410.6	1,672.0
1991-92	25.7	305.8	1,564.1	1,895.6	3.9	57.2	455.0	516.1	27.5	294.4	1,531.3	1,853.1
1992-93	26.3	283.9	2,122.1	2,432.3	4.7	45.0	506.9	556.5	24.4	305.1	2,024.0	2,353.5
1992 June qtr	5.1	79.4	407.9	492.4	3.9	57.2	455.0	516.1	6.3	72.0	334.1	412.4
Sept. qtr	3.1	79.7	553.6	636.4	3.4	55.8	592.5	651.7	3.1	81.3	428.0	512.4
Dec. qtr	8.6	80.1	538.4	627.1	6.4	49.5	479.1	535.1	5.0	92.8	605.8	703.6
1993 Mar. qtr	8.9	55.5	484.0	548.4	8.7	38.4	513.8	560.9	6.6	71.0	453.3	530.9
June qtr	5.7	68.6	546.1	620.4	4.7	45.0	506.9	556.5	9.7	60.0	536.9	606.6
Sept. qtr	6.2	66.2	605.3	677.7	2.5	41.9	588.2	632.6	7.7	69.0	516.5	593.1

TABLE 10. SUMMARY OF BUILDING ACTIVITY, QUEENSLAND
RELATIVE STANDARD ERRORS (PER CENT)
SEPTEMBER QUARTER 1993

SEPTEMBER QUARTER 1993

Ownership and stage of construction	New residential building				Value	
	Houses		Total		Alterations and additions to residential buildings	Total building
	Number	Value	Number of dwelling units	Value		
PRIVATE SECTOR						
Commenced	1.9	2.3	1.3	1.7	4.9	1.3
Under construction at end of period	3.4	3.7	1.9	2.3	7.3	1.2
Completed	3.8	4.2	2.8	3.2	8.4	2.4
Value of work done	..	2.7	..	2.0	5.7	1.5
Value of work yet to be done	..	4.3	..	2.6	9.2	1.2
TOTAL PRIVATE AND PUBLIC SECTORS						
Commenced	1.9	2.2	1.3	1.6	4.9	1.2
Under construction at end of period	3.3	3.6	1.8	2.2	7.3	1.0
Completed	3.7	4.0	2.7	3.1	8.3	2.3
Value of work done	..	2.7	..	2.0	5.6	1.4
Value of work yet to be done	..	4.2	..	2.4	9.2	1.0

EXPLANATORY NOTES

Introduction

The statistics in this publication were compiled on the basis of returns collected from builders and other individuals and organisations engaged in building activity. The quarterly survey consists of two components:

- (a) a sample survey of private sector house building activity involving new house construction or alterations and additions valued at \$10,000 or more to houses and
- (b) a complete enumeration of jobs involving construction of new residential buildings other than private sector houses, all alterations and additions to residential buildings, other than private sector houses, with an approval value of \$10,000 or more and all non-residential building jobs with an approval value of \$50,000 or more.

2. From September quarter 1990, only non-residential building jobs (both new and alterations and additions) with an approval value of \$50,000 (previously \$30,000) or more are included in the survey. The impact of these changes is relatively small at the all-Australia level, however, care should be taken in interpreting data for specific classes of non-residential building. The ABS will continue to periodically review the cut-offs for both residential and non-residential building activity to take account of inflation in future years.

3. The use of sample survey techniques in the building activity survey means that reliable estimates of private sector house building activity, including alterations and additions to houses, are available only at the State/Territory and Australian levels. Further geographical disaggregations are not available. Dwelling unit commencement data for regions below State/Territory level, however, are shown in the series of dwelling unit commencements reported by approving authorities. Data from that series, unlike those compiled from the building activity survey, are based on information reported by local and other government authorities.

Scope and coverage

4. The statistics relate to building activity which includes construction of new buildings and alterations and additions to existing buildings. Construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks, etc.) is excluded.

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

jobs which were notified in the month of September and which actually commenced in that month are shown as commencements in December quarter.

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

7. A *dwelling unit* is defined as a self-contained suite of rooms, including cooking and bathing facilities, 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 hotels, are not defined as dwelling units. The value of units of this type is included in the appropriate category of 'non-residential building'.

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'.

(a) A 'house' is defined as a detached building predominantly used for long-term residential purposes and consisting of only one dwelling unit. Thus, detached 'granny flats' and detached dwelling units (such as caretakers' residences) associated with 'non-residential buildings' are defined as houses for the purpose of these statistics.

(b) An 'other residential building' is defined as a building which is predominantly used for long-term residential purposes and which contains (or has attached to it) more than one dwelling unit (e.g. town houses, 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. *Commenced.* A building job is regarded as commenced when the first physical building activity has been performed on site in the form of materials fixed in place and/or labour expended. This includes site preparation but excludes delivery of building materials, the drawing of plans and specifications and the construction of non-building infrastructures such as roads.

11. *Under construction.* A building job is regarded as being under construction at the end of a period if it has been commenced but has not been completed and work on it has not been abandoned.

12. *Completed.* A building job is regarded as completed when building activity has progressed to the stage where the building can fulfil its intended function. In practice, building jobs are treated as completed when notified as such by respondents to the survey.

13. *Valuation of building jobs.* The values in this publication are derived from estimates reported on survey returns.

EXPLANATORY NOTES — *continued***Definitions — *continued***

14. *Value of building commenced, or under construction.* The estimated value represents the anticipated completion value based, where practicable, on estimated market or contract price of building jobs, excluding the value of land and landscaping. Site preparation costs are included. Where building jobs proceed over several quarters, the anticipated completion value reported on the return for the first (commencement) quarter may be amended on returns for subsequent (under construction) quarters as the job nears completion.

15. *Value of building completed.* The actual completion value based, where practicable, on the market or contract price of building jobs, including site preparation costs, but excluding the value of land and landscaping.

16. *Value of building work done during the period.* The estimated value of building work actually carried out during the quarter on building jobs which have commenced.

17. *Value of building work yet to be done.* The difference between the anticipated completion value and the estimated value of work done on building jobs up to the end of the period.

Building classification

18. 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.

19. *Builder type.* Houses are classified according to the type of builder as follows:

- (a) *Contractor-built houses.* Those constructed by a private recognised building contractor, either under contract, or in anticipation of sale or rental.
- (b) *Houses built by other than contract builders.* Those constructed by an owner (other than a recognised building contractor) or under his direction, without the services of a single contractor responsible for the whole job. Houses built by businesses (other than recognised building contractors) and public sector organisations are also included in this category.

20. *Functional classification of buildings.* A building is classified according to its intended major function. 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' and a detached cafeteria building to 'shops', while factory buildings would be classified to 'factories'. An exception to this rule is the treatment of group accommodation buildings where, for example, a student accommodation building on a university campus would be classified to 'educational'.

21. Examples of the types of buildings included under each main functional heading are shown in the following paragraphs.

22. *Houses.* Includes cottages, bungalows, detached caretakers'/managers' cottages and rectories.

23. *Other residential buildings.* Includes flats, home units, attached town houses, villa units, terrace houses, semi-detached houses and maisonettes.

24. *Hotels, etc.* Includes motels, hostels, boarding houses, guest houses and holiday apartment buildings.

25. *Shops.* Includes retail shops, restaurants, cafes, taverns, dry cleaners, laundromats, hair salons and shopping arcades.

26. *Factories.* Includes paper mills, oil refinery buildings, brickworks, foundries, power houses, manufacturing laboratories and workshops as part of a manufacturing process.

27. *Offices.* Includes banks, post offices, council chambers and head and regional offices.

28. *Other business premises.* Includes warehouses, storage depots, service stations, transport depots and terminals, electricity substation buildings, pumping station buildings, telephone exchanges, mail sorting centres, broadcasting stations and film studios.

29. *Educational.* Includes schools, colleges, universities, kindergartens, libraries, museums, art galleries, research and teaching laboratories and theological colleges.

30. *Religious.* Includes churches, chapels and temples.

31. *Health.* Includes hospitals, nursing homes, surgeries, clinics and medical centres.

32. *Entertainment and recreational.* Includes clubs, theatres, cinemas, public halls, gymnasiums, grandstands, squash courts and sports and recreation centres.

33. *Miscellaneous.* Includes law courts, homes for the aged (where medical care is not provided as a normal service), orphanages, prisons, barracks, mine buildings, glasshouses, livestock sheds, shearing sheds, fruit and skin drying sheds, public toilets and ambulance, fire and police stations.

Reliability of the estimates

34. Since the figures for private sector house building activity (including alterations and additions) are derived from information obtained from a sample of approved building jobs, they are subject to sampling error; i.e. they may differ from the figures that would have been obtained if information for all approved jobs for the relevant period had been included in the survey.

35. A measure of the likely difference is given by the relative standard error of each estimate. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all approved jobs had been included, and about 19 chances in 20 that the difference will be less than two standard errors. Relative standard errors of the estimates are shown in Table 10.

EXPLANATORY NOTES — continued

Reliability of the estimates — continued

36. An example of the use of standard errors is as follows. From Table 2 it can be seen that the estimate of the number of new private sector houses commenced during September quarter 1993 is 9,155. The associated relative standard error is 1.9 per cent (see Table 10). Therefore, there are about two chances in three that the value which would have been obtained if information had been obtained about all approved private sector house jobs would have been within the range 8,981 to 9,329 and about 19 chances in 20 that the value would have been within the range 8,807 to 9,503.

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

Seasonal adjustment

38. Seasonally adjusted building statistics are shown in Tables 4, 5 and 7. In the seasonally adjusted series, account has been taken of normal seasonal factors and the effect of movement in the date of Easter which may, in successive years, affect figures for different quarters.

39. Since seasonally adjusted statistics reflect both irregular and trend movements, an upward or downward movement in a seasonally adjusted series does not necessarily indicate a change of trend. Particular care should therefore be taken in interpreting individual quarter to quarter movements. Each of the component series shown has been seasonally adjusted independently. As a consequence, while the unadjusted components in the original series shown add to the totals, the adjusted components may not add to the adjusted totals. Further, the difference between independently seasonally adjusted series does not necessarily produce series which are optimal or even adequate adjustments of the similarly derived original series. Thus the figures which can be derived by subtracting seasonally adjusted private sector dwelling units from the seasonally adjusted total should not be used to represent seasonally adjusted public sector dwelling units.

Estimates at constant prices

40. The base year of constant price estimates of building activity, contained in this issue is 1989-90.

41. 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.

42. 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.

43. Estimates of the value of commencements at average 1989-90 prices are presented in original terms and for work done at average 1989-90 prices in original and seasonally adjusted terms.

44. 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 dwelling and non-dwelling construction components of the national accounts aggregate 'Gross fixed capital expenditure'.

45. 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 the ABS publication *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

Related publications

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

- Building Approvals* (8731.3) — Monthly (\$11.00)
- Dwelling Unit Commencements Reported by Approving Authorities* (8741.3) — Monthly (\$11.00)
- Building Approvals and Dwelling Unit Commencements: Small Area Statistics* (8735.3) — New issue: 1992-93 (\$15.00)

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

Unpublished statistics

48. As well as the statistics included in this and related publications the ABS may have other relevant unpublished data available. Inquiries should be made to the contact shown at the front of this publication.

Symbols and other usages

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

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

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