

# **BUILDING ACTIVITY** NORTHERN TERRITORY

EMBARGO: 11:30AM (CANBERRA TIME) FRI 2 MAY 2003

## DECEMBER QTR KEY FIGURES

### ORIGINAL ESTIMATES

	<b>Dec qtr 02</b>	<b>Sep qtr 02 to Dec qtr 02 % change</b>	<b>Dec qtr 01 to Dec qtr 02 % change</b>
Value of work done(a) (\$m)	109.2	20.0	6.4
New residential building (\$m)	52.5	17.7	25.6
Alterations and additions(b) (\$m)	7.8	17.4	2.6
Non-residential building (\$m)	48.9	23.0	-8.1
Total dwelling units commenced (no.)	275	-4.9	15.1
New private sector houses (no.)	103	-19.9	-4.6

(a) Chain volume measures, reference year 2000-01. (b) To residential buildings

## DECEMBER QTR KEY POINTS

### VALUE OF WORK DONE, VOLUME TERMS

- Total building work done rose 20.0% in the December quarter 2002 to \$109.2m, the highest level since the June quarter 2000.
- New residential work done rose 17.7% to \$52.5m, the highest level since the June quarter 2000. The increase was due to work done on new other residential buildings increasing by 45.6% to \$26.8m (the highest level in four years), while work on new houses fell by 1.9% to \$25.7m. Alterations and additions rose 17.4% to \$7.8m, also the highest since the June quarter 2000.
- Non-residential building work rose 23.0% to \$48.9m.

### VALUE OF WORK COMMENCED, VOLUME TERMS

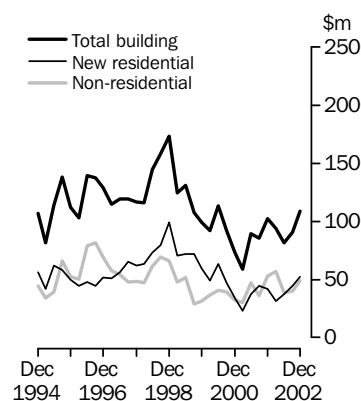
- Total building work commenced rose 3.0% in the December quarter to \$101.1m, to be 25.1% above the level of a year earlier.
- New residential commencements fell 6.8% to \$42.9m. New houses fell 19.8% to \$23.1m while new other residential buildings rose 14.8% to \$19.8m. Alterations and additions rose 32.1% to \$9.2m, the highest level since the June quarter 2000.
- Non-residential commencements rose 8.5% to \$49.1m.

### NUMBER OF DWELLING UNITS COMMENCED

- The total number of dwellings commenced fell 4.9% in the December quarter to 275. Within the private sector, commencements of new houses fell 19.9% to 103, while new other dwellings rose 29.5% to 136, the most since the September quarter 1999.

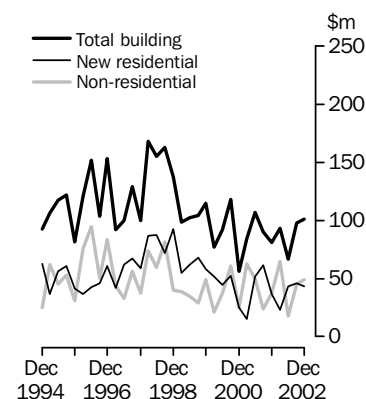
### Value of work done

Volume terms



### Value of work commenced

Volume terms



- For further information about these and related statistics, contact Tony Bammann on Adelaide 08 8237 7316, or the National Information and Referral Service on 1300 135 070.

## NOTES

### FORTHCOMING ISSUES

#### ISSUE (QUARTER)

#### RELEASE DATE

March 2003

31 July 2003

June 2003

24 October 2003

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### ABOUT THIS ISSUE

This publication contains the first detailed estimates for the Northern Territory from the quarterly Building Activity Survey. The data are subject to revision when returns from the following quarter are processed and final data for the December quarter 2002 will be released in *Building Activity, Northern Territory* (cat. no. 8752.7) on 31 July 2003.

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### SIGNIFICANT REVISIONS THIS ISSUE

Compared with the estimates published in the previous issue of this publication:

- the total number of dwellings commenced during the September quarter 2002 has been revised downwards by 9 (–3.0%), and
- the value of total building commenced during the September quarter has been revised downwards by \$3.9m (–3.7%), with residential building down by \$0.9m (–1.6%) and non-residential building down by \$3.0m (–6.1%).

Robyn Elliott  
Regional Director  
Northern Territory

LIST OF TABLES



Page

CHAIN VOLUME ESTIMATES

1	Value of building activity, original	4
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ORIGINAL ESTIMATES

2	Number and value of building commenced	5
3	Value of non-residential building commenced	6
4	Number and value of building under construction	7
5	Value of non-residential building under construction	8
6	Number and value of building completed	9
7	Value of non-residential building completed	10
8	Value of building work done	11
9	Value of non-residential building work done	12
10	Value of building work yet to be done	13
11	Value of non-residential building work yet to be done	14



**TABLE 1. VALUE OF BUILDING ACTIVITY, CHAIN VOLUME MEASURES(a)**  
**(\$ million)**

(\$ million)							
Period	New residential building			Alterations and additions to residential buildings	Non-residential building		Total building
	Houses	Other residential buildings	Total		Private Sector	Total	
COMMENCED							
1999-2000	144.8	77.3	222.0	35.5	75.9	137.2	388.1
2000-2001	90.6	54.1	144.6	23.1	83.8	198.0	365.8
2001-2002	102.8	61.3	164.3	22.9	122.3	143.9	330.9
2001 Sep. qtr	27.0	34.4	61.4	4.9	14.7	23.5	89.8
Dec. qtr	27.6	9.0	36.6	6.6	32.4	37.7	80.8
2002 Mar. qtr	21.1	2.1	23.3	5.6	62.2	64.7	93.6
Jun qtr	27.1	15.8	43.0	5.8	13.0	18.0	66.7
Sep. qtr	28.8	17.3	46.0	6.9	24.7	45.2	98.2
Dec. qtr	23.1	19.8	42.9	9.2	42.7	49.1	101.1
VALUE OF WORK DONE DURING PERIOD							
1999-2000	164.4	79.7	244.0	35.9	83.8	137.9	412.1
2000-2001	85.5	56.2	141.7	23.6	74.9	148.4	313.8
2001-2002	105.2	50.2	155.3	23.3	118.7	184.9	363.4
2001 Sep. qtr	29.2	15.4	44.6	4.8	13.9	36.2	85.6
Dec. qtr	29.1	12.8	41.8	7.6	30.6	53.2	102.6
2002 Mar. qtr	19.2	12.5	31.7	5.2	43.3	56.9	93.7
Jun qtr	27.7	9.5	37.2	5.7	30.9	38.6	81.5
Sep. qtr	26.2	18.4	44.6	6.6	27.1	39.7	91.0
Dec. qtr	25.7	26.8	52.5	7.8	37.6	48.9	109.2

(a) Reference year for chain volume measures is 2000-2001. See paragraphs 24 and 25 of the Explanatory Notes.

**TABLE 2. NUMBER AND VALUE OF BUILDING COMMENCED(a): ORIGINAL**

TABLE 2. NUMBER AND VALUE OF BUILDING COMMENCED(a). ORIGINAL											
Period	Number of dwelling units				Value (\$m)						
	New houses	New other residential building	Conversions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-residential building	Total building
PRIVATE SECTOR											
1999-2000	732	523	27	1,282	102.5	63.7	166.2	26.6	192.8	76.7	269.6
2000-2001	435	307	3	745	68.1	39.4	107.5	18.7	126.2	83.8	210.0
2001-2002	515	279	4	798	80.0	35.8	115.8	19.8	135.7	123.9	259.6
2001 Sep. qtr	178	83	—	261	25.4	10.4	35.8	4.7	40.5	14.7	55.2
Dec. qtr	108	75	1	184	18.0	8.7	26.7	5.6	32.3	32.7	65.0
2002 Mar. qtr	110	6	3	119	18.0	0.6	18.6	4.0	22.6	63.2	85.7
Jun qtr	119	115	—	234	18.6	16.1	34.8	5.5	40.3	13.3	53.6
Sep. qtr	129	105	2	235	22.3	16.0	38.3	5.7	44.0	25.4	69.4
Dec. qtr	103	136	3	242	18.8	20.0	38.8	7.2	46.1	44.2	90.2
PUBLIC SECTOR											
1999-2000	204	71	—	275	30.2	8.9	39.1	5.9	45.0	61.9	106.9
2000-2001	143	139	1	283	22.5	14.6	37.2	4.5	41.7	114.1	155.8
2001-2002	131	106	—	237	23.0	25.9	48.9	3.3	52.2	21.7	73.9
2001 Sep. qtr	8	95	—	103	1.3	24.0	25.3	0.1	25.4	8.8	34.2
Dec. qtr	53	2	—	55	9.4	0.3	9.7	1.0	10.7	5.3	16.0
2002 Mar. qtr	20	9	—	29	3.2	1.6	4.8	1.7	6.5	2.5	9.0
Jun qtr	50	—	—	50	9.1	—	9.1	0.5	9.6	5.1	14.7
Sep. qtr	42	12	—	54	7.6	1.7	9.3	1.6	10.9	21.1	32.0
Dec. qtr	29	4	—	33	5.3	0.3	5.6	2.4	8.0	6.6	14.6
TOTAL											
1999-2000	936	594	27	1,557	132.7	72.6	205.3	32.6	237.9	138.6	376.5
2000-2001	578	446	4	1,028	90.6	54.1	144.7	23.2	167.8	198.0	365.8
2001-2002	646	385	4	1,035	103.1	61.7	164.7	23.1	187.8	145.6	333.5
2001 Sep. qtr	186	178	—	364	26.7	34.4	61.0	4.8	65.9	23.6	89.5
Dec. qtr	161	77	1	239	27.4	9.0	36.4	6.6	43.0	38.0	81.0
2002 Mar. qtr	130	15	3	148	21.2	2.2	23.4	5.7	29.1	65.6	94.7
Jun qtr	169	115	—	284	27.8	16.1	43.9	6.0	49.9	18.4	68.3
Sep. qtr	171	117	2	289	29.9	17.7	47.6	7.3	54.9	46.5	101.4
Dec. qtr	132	140	3	275	24.1	20.4	44.5	9.6	54.1	50.8	104.9

(a) Data is inclusive of non-deductible GST payable on residential buildings. See paragraphs 9 and 10 of the Explanatory Notes.

**TABLE 3. VALUE OF NON-RESIDENTIAL BUILDING COMMENCED: ORIGINAL**  
(\$ million)

<i>Period</i>	<i>Hotels etc.</i>	<i>Shops</i>	<i>Factories</i>	<i>Offices</i>	<i>Other business premises</i>	<i>Educational</i>	<i>Religious</i>	<i>Health</i>	<i>Entertain- ment and recreational</i>	<i>Miscel- laneous</i>	<i>Total non-resi- dential building</i>
<b>PRIVATE SECTOR</b>											
1999-2000	6.9	14.6	2.2	18.2	19.7	4.7	1.2	0.1	2.0	7.1	76.7
2000-2001	14.6	22.5	0.7	8.8	20.9	1.0	0.4	0.5	11.8	2.5	83.8
2001-2002	18.9	20.6	6.4	43.7	14.7	9.5	0.3	2.9	0.5	6.5	123.9
2001 Sep. qtr	—	2.2	1.2	2.6	3.6	3.9	—	1.2	—	—	14.7
Dec. qtr	9.5	4.2	4.8	8.7	4.0	0.2	0.2	0.9	0.2	—	32.7
2002 Mar. qtr	8.6	11.3	0.4	29.1	3.5	3.6	0.1	0.5	—	6.1	63.2
Jun. qtr	0.7	3.0	0.1	3.3	3.6	1.8	—	0.2	0.3	0.4	13.3
Sep. qtr	4.3	6.9	0.7	2.0	2.2	2.7	—	5.7	0.5	0.4	25.4
Dec. qtr	14.6	8.1	0.7	3.8	5.2	1.8	—	5.2	4.5	0.3	44.2
<b>PUBLIC SECTOR</b>											
1999-2000	—	0.6	0.1	5.2	7.8	18.1	—	5.4	1.4	23.3	61.9
2000-2001	0.2	1.4	—	2.8	2.1	10.9	—	85.0	1.6	10.1	114.1
2001-2002	—	—	—	3.0	1.7	9.8	—	5.0	0.8	1.4	21.7
2001 Sep. qtr	—	—	—	0.1	0.5	4.3	—	3.1	0.1	0.7	8.8
Dec. qtr	—	—	—	0.9	1.2	1.4	—	1.1	0.4	0.3	5.3
2002 Mar. qtr	—	—	—	0.3	—	1.7	—	0.1	0.2	0.1	2.5
Jun. qtr	—	—	—	1.7	—	2.4	—	0.7	0.1	0.2	5.1
Sep. qtr	0.1	—	—	18.4	0.5	0.5	—	0.3	0.5	0.8	21.1
Dec. qtr	—	0.2	—	0.9	0.2	1.5	—	1.4	0.1	2.4	6.6
<b>TOTAL</b>											
1999-2000	6.9	15.2	2.2	23.4	27.6	22.8	1.2	5.4	3.4	30.4	138.6
2000-2001	14.8	23.8	0.7	11.6	23.0	12.0	0.4	85.5	13.4	12.7	198.0
2001-2002	18.9	20.6	6.4	46.7	16.3	19.3	0.3	7.8	1.3	7.9	145.6
2001 Sep. qtr	—	2.2	1.2	2.7	4.0	8.3	—	4.2	0.1	0.7	23.6
Dec. qtr	9.5	4.2	4.8	9.6	5.2	1.6	0.2	2.1	0.6	0.3	38.0
2002 Mar. qtr	8.6	11.3	0.4	29.5	3.5	5.3	0.1	0.6	0.2	6.2	65.6
Jun. qtr	0.7	3.0	0.1	4.9	3.6	4.1	—	0.9	0.4	0.6	18.4
Sep. qtr	4.4	6.9	0.7	20.4	2.7	3.2	—	6.0	0.9	1.2	46.5
Dec. qtr	14.6	8.3	0.7	4.6	5.4	3.3	—	6.5	4.6	2.7	50.8

**TABLE 4. NUMBER AND VALUE OF BUILDING UNDER CONSTRUCTION AT END OF PERIOD(a): ORIGINAL**

Period	Number of dwelling units				Value (\$m)						
	New houses	New other residential building	Conversions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-residential building	Total building
PRIVATE SECTOR											
1999-2000	234	182	8	424	34.6	25.0	59.6	9.3	68.9	26.1	95.0
2000-2001	212	150	1	363	33.4	15.7	49.1	7.3	56.4	42.2	98.6
2001-2002	186	145	—	332	29.6	21.1	50.8	10.1	60.8	85.9	146.8
2001 Sep. qtr	232	123	1	356	33.9	15.2	49.0	7.9	56.9	45.9	102.8
Dec. qtr	182	154	2	338	28.2	17.8	46.1	9.0	55.1	54.3	109.4
2002 Mar. qtr	186	130	1	316	30.2	16.6	46.8	9.2	56.0	98.2	154.2
Jun. qtr	186	145	—	332	29.6	21.1	50.8	10.1	60.8	85.9	146.8
Sep. qtr	199	204	1	404	34.6	32.4	66.9	10.0	77.0	72.3	149.3
Dec. qtr	171	215	1	387	30.0	35.0	65.0	12.2	77.2	93.8	171.0
PUBLIC SECTOR											
1999-2000	74	57	—	131	10.8	6.6	17.4	2.7	20.1	43.0	63.1
2000-2001	73	68	—	141	12.3	7.0	19.4	1.9	21.3	99.8	121.1
2001-2002	60	104	—	164	11.2	25.6	36.7	1.0	37.7	42.4	80.1
2001 Sep. qtr	55	163	—	218	9.5	31.3	40.9	1.9	42.8	95.7	138.5
Dec. qtr	68	97	—	165	12.1	24.3	36.4	0.7	37.1	85.3	122.4
2002 Mar. qtr	55	106	—	161	9.8	28.3	38.1	1.3	39.3	42.2	81.5
Jun. qtr	60	104	—	164	11.2	25.6	36.7	1.0	37.7	42.4	80.1
Sep. qtr	80	107	—	187	15.2	25.7	40.9	1.1	42.0	57.2	99.2
Dec. qtr	58	16	—	74	10.8	2.3	13.1	2.2	15.4	60.6	76.0
TOTAL											
1999-2000	308	239	8	555	45.4	31.6	77.0	12.0	89.1	69.1	158.1
2000-2001	285	218	1	504	45.7	22.8	68.5	9.2	77.7	142.0	219.7
2001-2002	246	249	—	496	40.8	46.7	87.5	11.1	98.6	128.3	226.9
2001 Sep. qtr	287	286	1	574	43.4	46.5	89.9	9.8	99.7	141.6	241.3
Dec. qtr	250	251	2	503	40.4	42.1	82.5	9.7	92.2	139.7	231.8
2002 Mar. qtr	241	236	1	477	40.0	44.8	84.9	10.5	95.3	140.4	235.7
Jun. qtr	246	249	—	496	40.8	46.7	87.5	11.1	98.6	128.3	226.9
Sep. qtr	279	311	1	591	49.8	58.0	107.9	11.1	119.0	129.5	248.5
Dec. qtr	229	231	1	461	40.8	37.3	78.1	14.5	92.6	154.4	247.0

(a) Data is inclusive of non-deductible GST payable on residential buildings. See paragraphs 9 and 10 of the Explanatory Notes.

**TABLE 5. VALUE OF NON-RESIDENTIAL BUILDING UNDER CONSTRUCTION AT END OF PERIOD: ORIGINAL**  
**(\$ million)**

<i>Period</i>	<i>Hotels etc.</i>	<i>Shops</i>	<i>Factories</i>	<i>Offices</i>	<i>Other business premises</i>	<i>Educational</i>	<i>Religious</i>	<i>Health</i>	<i>Entertain- ment and recreational</i>	<i>Miscel- laneous</i>	<i>Total non-resi- dential building</i>
PRIVATE SECTOR											
1999-2000	0.9	4.4	0.4	8.0	6.3	0.7	0.1	—	0.6	4.6	26.1
2000-2001	8.3	8.0	0.1	3.4	11.2	0.7	0.1	—	10.4	0.1	42.2
2001-2002	1.2	10.6	0.3	30.3	6.9	8.5	0.2	0.5	21.1	6.4	85.9
2001 Sep. qtr	7.5	5.9	1.2	4.2	5.5	4.1	—	1.2	16.1	0.1	45.9
Dec. qtr	16.0	3.5	1.1	6.0	6.4	4.1	0.2	2.3	14.7	—	54.3
2002 Mar. qtr	14.3	10.7	0.2	30.9	5.2	9.2	0.3	0.2	21.1	6.0	98.2
Jun. qtr	1.2	10.6	0.3	30.3	6.9	8.5	0.2	0.5	21.1	6.4	85.9
Sep. qtr	4.2	16.1	0.5	30.1	5.5	2.7	0.2	5.7	0.5	6.7	72.3
Dec. qtr	13.8	17.9	1.0	30.3	5.1	4.7	—	9.9	4.7	6.3	93.8
PUBLIC SECTOR											
1999-2000	—	—	0.1	0.6	13.8	9.0	—	3.1	0.9	15.6	43.0
2000-2001	—	0.3	—	—	6.4	6.1	—	79.3	—	7.7	99.8
2001-2002	—	0.4	—	0.2	—	2.1	—	39.4	0.1	0.1	42.4
2001 Sep. qtr	—	0.4	—	—	1.6	9.3	—	82.4	—	2.0	95.7
Dec. qtr	—	0.4	—	0.8	1.8	1.2	—	80.8	0.3	—	85.3
2002 Mar. qtr	—	0.4	—	—	1.4	1.3	—	38.8	0.1	0.1	42.2
Jun. qtr	—	0.4	—	0.2	—	2.1	—	39.4	0.1	0.1	42.4
Sep. qtr	—	0.4	—	17.8	—	2.3	—	35.5	0.5	0.7	57.2
Dec. qtr	—	0.4	—	17.8	—	3.4	—	36.0	0.2	2.8	60.6
TOTAL											
1999-2000	0.9	4.4	0.5	8.6	20.1	9.8	0.1	3.1	1.5	20.2	69.1
2000-2001	8.3	8.3	0.1	3.4	17.6	6.8	0.1	79.3	10.4	7.8	142.0
2001-2002	1.2	11.0	0.3	30.6	6.9	10.7	0.2	39.8	21.2	6.5	128.3
2001 Sep. qtr	7.5	6.3	1.2	4.2	7.0	13.4	—	83.5	16.1	2.2	141.6
Dec. qtr	16.0	3.9	1.1	6.9	8.2	5.3	0.2	83.1	15.0	—	139.7
2002 Mar. qtr	14.3	11.1	0.2	30.9	6.7	10.4	0.3	39.0	21.2	6.1	140.4
Jun. qtr	1.2	11.0	0.3	30.6	6.9	10.7	0.2	39.8	21.2	6.5	128.3
Sep. qtr	4.2	16.6	0.5	47.9	5.5	5.0	0.2	41.2	0.9	7.4	129.5
Dec. qtr	13.8	18.3	1.0	48.1	5.1	8.2	—	46.0	4.9	9.1	154.4



**TABLE 6. NUMBER AND VALUE OF BUILDING COMPLETED(a): ORIGINAL**

Period	Number of dwelling units				Value (\$m)						
	New houses	New other residential building	Conversions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-residential building	Total building
PRIVATE SECTOR											
1999-2000	865	614	25	1,504	120.8	78.5	199.3	25.8	225.1	86.5	311.5
2000-2001	453	339	7	799	68.5	48.4	116.9	20.8	137.7	73.3	211.0
2001-2002	534	282	5	821	82.4	31.8	114.3	17.0	131.2	88.3	219.5
2001 Sep. qtr	158	110	—	268	24.7	10.9	35.7	4.2	39.8	16.8	56.6
Dec. qtr	157	43	—	200	23.2	6.1	29.3	4.7	34.0	18.9	53.0
2002 Mar. qtr	103	31	4	138	15.4	3.5	19.0	3.7	22.6	27.6	50.2
Jun. qtr	116	98	1	215	19.0	11.3	30.3	4.4	34.7	25.0	59.7
Sep. qtr	116	44	1	161	17.6	4.8	22.4	5.7	28.1	41.3	69.4
Dec. qtr	131	125	3	259	23.6	17.6	41.2	5.0	46.2	22.3	68.5
PUBLIC SECTOR											
1999-2000	255	34	—	289	38.9	4.9	43.8	5.4	49.2	77.9	127.1
2000-2001	144	128	1	273	21.3	14.3	35.6	5.4	41.0	57.3	98.4
2001-2002	144	70	—	214	24.3	7.9	32.2	4.2	36.4	81.5	117.9
2001 Sep. qtr	26	—	—	26	4.1	—	4.1	0.1	4.2	14.2	18.4
Dec. qtr	40	68	—	108	6.8	7.7	14.4	2.2	16.6	16.3	33.0
2002 Mar. qtr	33	—	—	33	5.6	—	5.6	1.1	6.7	46.0	52.7
Jun. qtr	45	2	—	47	7.8	0.3	8.1	0.8	8.8	4.9	13.8
Sep. qtr	22	9	—	31	3.5	1.6	5.1	1.5	6.6	2.8	9.4
Dec. qtr	51	95	—	146	9.9	24.0	33.9	1.2	35.1	2.9	38.0
TOTAL											
1999-2000	1,120	648	25	1,793	159.7	83.4	243.1	31.2	274.3	164.3	438.6
2000-2001	597	467	8	1,072	89.8	62.8	152.5	26.2	178.8	130.6	309.4
2001-2002	678	352	5	1,035	106.7	39.8	146.5	21.2	167.7	169.7	337.4
2001 Sep. qtr	184	110	—	294	28.8	10.9	39.8	4.3	44.1	31.0	75.1
Dec. qtr	197	111	—	308	30.0	13.7	43.7	7.0	50.7	35.3	86.0
2002 Mar. qtr	136	31	4	171	21.0	3.5	24.5	4.8	29.4	73.6	102.9
Jun. qtr	161	100	1	262	26.8	11.6	38.4	5.1	43.5	29.9	73.4
Sep. qtr	138	53	1	192	21.1	6.4	27.5	7.2	34.7	44.1	78.8
Dec. qtr	182	220	3	405	33.4	41.6	75.0	6.3	81.3	25.2	106.5

(a) Data is inclusive of non-deductible GST payable on residential buildings. See paragraphs 9 and 10 of the Explanatory Notes.

**TABLE 7. VALUE OF NON-RESIDENTIAL BUILDING COMPLETED: ORIGINAL**  
(\$ million)

<i>Period</i>	<i>Hotels etc.</i>	<i>Shops</i>	<i>Factories</i>	<i>Offices</i>	<i>Other business premises</i>	<i>Educational</i>	<i>Religious</i>	<i>Health</i>	<i>Entertain- ment and recreational</i>	<i>Miscel- laneous</i>	<i>Total non-resi- dential building</i>
<b>PRIVATE SECTOR</b>											
1999-2000	15.5	14.4	5.3	11.3	21.5	4.9	1.4	2.0	7.4	2.8	86.5
2000-2001	7.2	19.3	1.0	13.4	15.9	1.0	0.4	0.5	2.0	12.6	73.3
2001-2002	25.1	18.3	5.5	13.3	18.9	3.5	0.1	2.6	0.7	0.2	88.3
2001 Sep. qtr	0.1	4.4	0.1	1.8	9.5	0.6	0.1	—	0.3	—	16.8
Dec. qtr	1.0	6.8	4.2	3.3	3.2	0.1	—	—	0.2	0.1	18.9
2002 Mar. qtr	10.3	4.1	1.2	4.3	4.6	0.4	—	2.6	—	0.1	27.6
Jun. qtr	13.7	3.0	0.1	3.9	1.5	2.4	0.1	—	0.3	—	25.0
Sep. qtr	1.1	1.4	0.5	1.5	2.9	8.0	—	0.5	25.3	0.1	41.3
Dec. qtr	5.1	6.5	0.2	3.5	4.9	—	0.2	0.9	0.3	0.7	22.3
<b>PUBLIC SECTOR</b>											
1999-2000	—	0.6	0.3	41.5	4.1	9.2	—	2.2	0.5	19.5	77.9
2000-2001	0.2	1.1	0.1	3.4	9.0	14.6	—	11.3	2.5	15.2	57.3
2001-2002	—	—	—	2.7	8.5	13.8	—	46.4	0.6	9.4	81.5
2001 Sep. qtr	—	—	—	0.1	5.7	1.2	—	0.3	0.1	6.8	14.2
Dec. qtr	—	—	—	0.1	1.0	9.5	—	3.3	0.1	2.3	16.3
2002 Mar. qtr	—	—	—	1.0	0.3	1.6	—	42.7	0.4	—	46.0
Jun. qtr	—	—	—	1.5	1.4	1.5	—	0.1	0.1	0.3	4.9
Sep. qtr	0.1	—	—	0.8	0.5	0.3	—	0.7	0.1	0.2	2.8
Dec. qtr	—	0.2	—	0.9	0.2	0.4	—	0.9	0.1	0.3	2.9
<b>TOTAL</b>											
1999-2000	15.5	15.0	5.5	52.8	25.6	14.0	1.4	4.2	7.9	22.3	164.3
2000-2001	7.3	20.4	1.1	16.7	24.9	15.6	0.4	11.8	4.5	27.8	130.6
2001-2002	25.1	18.3	5.5	16.0	27.4	17.3	0.1	49.1	1.4	9.6	169.7
2001 Sep. qtr	0.1	4.4	0.1	1.9	15.3	1.8	0.1	0.3	0.4	6.8	31.0
Dec. qtr	1.0	6.8	4.2	3.4	4.2	9.7	—	3.3	0.3	2.5	35.3
2002 Mar. qtr	10.3	4.1	1.2	5.3	5.0	2.0	—	45.3	0.4	0.1	73.6
Jun. qtr	13.7	3.0	0.1	5.3	3.0	3.9	0.1	0.1	0.4	0.3	29.9
Sep. qtr	1.2	1.4	0.5	2.4	3.4	8.3	—	1.1	25.4	0.4	44.1
Dec. qtr	5.1	6.6	0.2	4.4	5.1	0.4	0.2	1.8	0.4	1.0	25.2

**TABLE 8. VALUE OF BUILDING WORK DONE(a): ORIGINAL**  
(\$ million)

<i>Period</i>	<i>New houses</i>	<i>New other residential building</i>	<i>New residential building</i>	<i>Alterations and additions to residential buildings</i>	<i>Total residential building</i>	<i>Total non-resi- dential building</i>	<i>Total building</i>
<b>PRIVATE SECTOR</b>							
1999-2000	113.9	65.9	179.8	26.7	206.5	84.3	290.8
2000-2001	64.3	43.2	107.5	19.7	127.2	74.8	202.0
2001-2002	81.5	29.5	111.0	18.5	129.6	117.9	247.4
2001 Sep. qtr	26.7	7.2	33.9	4.5	38.4	13.7	52.1
Dec. qtr	19.1	7.4	26.5	5.0	31.5	30.3	61.8
2002 Mar. qtr	15.8	6.5	22.3	4.3	26.6	43.0	69.6
Jun qtr	19.9	8.4	28.3	4.7	33.1	30.8	63.9
Sep. qtr	21.1	13.0	34.1	5.6	39.7	27.3	67.0
Dec. qtr	19.5	19.4	38.9	6.3	45.2	38.1	83.3
<b>PUBLIC SECTOR</b>							
1999-2000	36.0	6.8	42.8	6.0	48.9	54.1	103.0
2000-2001	21.2	13.0	34.2	4.0	38.2	73.5	111.8
2001-2002	23.4	20.5	43.8	4.6	48.4	65.6	114.0
2001 Sep. qtr	2.1	8.1	10.1	0.2	10.3	22.2	32.5
Dec. qtr	9.6	5.3	14.9	2.5	17.4	22.4	39.8
2002 Mar. qtr	3.4	5.9	9.3	0.9	10.2	13.4	23.6
Jun qtr	8.3	1.2	9.4	1.0	10.5	7.7	18.1
Sep. qtr	6.1	5.6	11.7	1.2	12.9	12.7	25.6
Dec. qtr	7.3	7.9	15.2	1.8	16.9	11.5	28.4
<b>TOTAL</b>							
1999-2000	149.9	72.7	222.6	32.8	255.4	138.4	393.8
2000-2001	85.5	56.2	141.8	23.7	165.4	148.4	313.8
2001-2002	104.8	50.0	154.8	23.1	178.0	183.5	361.5
2001 Sep. qtr	28.7	15.3	44.0	4.7	48.7	35.9	84.6
Dec. qtr	28.7	12.7	41.4	7.5	48.9	52.7	101.7
2002 Mar. qtr	19.2	12.4	31.6	5.2	36.9	56.4	93.3
Jun qtr	28.2	9.6	37.8	5.8	43.5	38.5	82.0
Sep. qtr	27.1	18.7	45.8	6.8	52.6	40.0	92.6
Dec. qtr	26.8	27.3	54.1	8.1	62.2	49.5	111.7

(a) From the September quarter 2000, data is inclusive of non-deductible GST payable on residential buildings. See paragraphs 9 and 10 of the Explanatory Notes.

**TABLE 9. VALUE OF NON-RESIDENTIAL BUILDING WORK DONE: ORIGINAL**  
(\$ million)

<i>Period</i>	<i>Hotels etc.</i>	<i>Shops</i>	<i>Factories</i>	<i>Offices</i>	<i>Other business premises</i>	<i>Educational</i>	<i>Religious</i>	<i>Health</i>	<i>Entertain- ment and recreational</i>	<i>Miscel- laneous</i>	<i>Total non-resi- dential building</i>
<b>PRIVATE SECTOR</b>											
1999-2000	8.6	13.8	4.2	17.0	21.0	4.3	1.5	1.6	5.5	6.7	84.3
2000-2001	10.4	19.6	0.9	10.0	19.2	1.2	0.4	0.5	4.1	8.5	74.8
2001-2002	22.5	18.9	5.6	19.4	15.2	10.5	0.2	3.0	20.6	2.0	117.9
2001 Sep. qtr	—	3.2	0.2	2.5	5.4	0.4	—	0.3	1.7	0.1	13.7
Dec. qtr	7.3	6.8	4.5	2.4	4.0	0.9	0.1	1.4	2.9	—	30.3
2002 Mar. qtr	8.5	4.6	0.8	7.9	3.2	4.1	0.1	1.0	11.8	1.1	43.0
Jun. qtr	6.6	4.2	0.1	6.7	2.7	5.2	—	0.3	4.2	0.8	30.8
Sep. qtr	2.9	6.5	0.6	7.0	3.1	2.0	—	1.9	1.5	1.9	27.3
Dec. qtr	5.5	9.6	0.2	11.2	3.8	2.4	—	2.0	1.8	1.6	38.1
<b>PUBLIC SECTOR</b>											
1999-2000	—	0.6	0.3	7.9	3.8	13.6	—	5.2	1.3	21.4	54.1
2000-2001	0.2	1.2	—	3.0	7.1	12.2	—	37.5	1.7	10.5	73.5
2001-2002	—	0.2	—	2.9	2.4	12.0	—	43.3	0.8	4.0	65.6
2001 Sep. qtr	—	—	—	0.1	1.2	5.5	—	13.0	0.1	2.2	22.2
Dec. qtr	—	0.1	—	0.6	1.0	3.9	—	15.0	0.3	1.4	22.4
2002 Mar. qtr	—	—	—	0.6	0.3	1.4	—	10.8	0.2	0.1	13.4
Jun. qtr	—	—	—	1.5	—	1.2	—	4.5	0.1	0.3	7.7
Sep. qtr	0.1	—	—	3.2	0.5	0.6	—	8.0	—	0.2	12.7
Dec. qtr	—	0.2	—	3.9	0.2	1.4	—	3.9	0.1	1.8	11.5
<b>TOTAL</b>											
1999-2000	8.6	14.3	4.5	25.0	24.8	17.9	1.5	6.8	6.8	28.1	138.4
2000-2001	10.5	20.8	0.9	13.0	26.3	13.4	0.4	38.1	5.9	19.0	148.4
2001-2002	22.5	19.1	5.6	22.3	17.6	22.6	0.2	46.3	21.3	6.0	183.5
2001 Sep. qtr	—	3.2	0.2	2.6	6.5	5.9	—	13.3	1.7	2.3	35.9
Dec. qtr	7.3	6.9	4.5	3.0	5.0	4.8	0.1	16.4	3.2	1.4	52.7
2002 Mar. qtr	8.5	4.7	0.8	8.5	3.4	5.4	0.1	11.8	12.1	1.2	56.4
Jun. qtr	6.6	4.3	0.1	8.2	2.7	6.5	—	4.8	4.3	1.0	38.5
Sep. qtr	3.0	6.5	0.6	10.3	3.6	2.6	—	9.9	1.5	2.0	40.0
Dec. qtr	5.5	9.8	0.2	15.0	4.0	3.8	—	5.9	1.9	3.5	49.5

**TABLE 10. VALUE OF BUILDING WORK YET TO BE DONE AT END OF PERIOD(a): ORIGINAL  
(\$ million)**

<i>Period</i>	<i>New houses</i>	<i>New other residential building</i>	<i>New residential building</i>	<i>Alterations and additions to residential buildings</i>	<i>Total residential building</i>	<i>Total non-resi- dential building</i>	<i>Total building</i>
<b>PRIVATE SECTOR</b>							
1999-2000	12.7	10.1	22.8	4.1	26.9	8.0	34.9
2000-2001	16.0	6.0	22.0	3.2	25.2	22.7	47.9
2001-2002	13.5	13.7	27.3	4.6	31.9	39.2	71.0
2001 Sep. qtr	14.6	9.2	23.7	3.5	27.2	30.2	57.4
Dec. qtr	13.1	10.5	23.6	4.4	28.0	27.6	55.6
2002 Mar. qtr	14.9	6.3	21.2	4.0	25.2	56.1	81.3
Jun qtr	13.5	13.7	27.3	4.6	31.9	39.2	71.0
Sep. qtr	15.0	16.8	31.8	4.6	36.4	37.6	74.0
Dec. qtr	14.4	17.7	32.1	5.5	37.7	43.3	81.0
<b>PUBLIC SECTOR</b>							
1999-2000	3.3	3.0	6.3	1.0	7.3	16.6	23.9
2000-2001	5.0	4.8	9.7	1.6	11.4	57.2	68.5
2001-2002	4.7	11.3	16.0	0.3	16.3	15.6	32.0
2001 Sep. qtr	4.2	21.0	25.2	1.6	26.8	44.8	71.6
Dec. qtr	4.0	16.3	20.3	0.1	20.3	28.6	48.9
2002 Mar. qtr	3.8	13.5	17.4	0.9	18.3	18.2	36.4
Jun qtr	4.7	11.3	16.0	0.3	16.3	15.6	32.0
Sep. qtr	6.2	7.3	13.5	0.7	14.2	22.9	37.1
Dec. qtr	4.4	0.1	4.5	1.3	5.8	17.8	23.5
<b>TOTAL</b>							
1999-2000	16.1	13.1	29.1	5.1	34.2	24.6	58.8
2000-2001	20.9	10.8	31.7	4.8	36.5	79.9	116.4
2001-2002	18.2	25.0	43.2	4.9	48.2	54.8	103.0
2001 Sep. qtr	18.8	30.2	49.0	5.1	54.0	75.0	129.0
Dec. qtr	17.1	26.8	43.9	4.4	48.3	56.2	104.5
2002 Mar. qtr	18.7	19.8	38.6	4.9	43.5	74.2	117.7
Jun qtr	18.2	25.0	43.2	4.9	48.2	54.8	103.0
Sep. qtr	21.2	24.2	45.4	5.3	50.7	60.5	111.1
Dec. qtr	18.8	17.8	36.6	6.9	43.5	61.1	104.6

(a) Data is inclusive of non-deductible GST payable on residential buildings. See paragraphs 9 and 10 of the Explanatory Notes.

**TABLE 11. VALUE OF NON-RESIDENTIAL BUILDING WORK YET TO BE DONE AT END OF PERIOD: ORIGINAL**  
**(\$ million)**

<i>Period</i>	<i>Hotels etc.</i>	<i>Shops</i>	<i>Factories</i>	<i>Offices</i>	<i>Other business premises</i>	<i>Educational</i>	<i>Religious</i>	<i>Health</i>	<i>Entertain- ment and recreational</i>	<i>Miscel- laneous</i>	<i>Total non-resi- dential building</i>
<b>PRIVATE SECTOR</b>											
1999-2000	0.7	2.2	0.2	1.6	2.3	0.5	—	—	—	0.5	8.0
2000-2001	4.9	5.4	—	0.3	4.0	0.3	—	—	7.7	0.1	22.7
2001-2002	0.7	7.4	0.1	21.7	3.3	1.1	0.1	0.1	0.1	4.6	39.2
2001 Sep. qtr	4.5	4.5	1.0	1.0	2.4	3.8	—	0.9	12.1	—	30.2
Dec. qtr	6.6	2.0	0.6	3.8	2.5	3.1	0.1	0.7	8.3	—	27.6
2002 Mar. qtr	6.7	8.7	0.1	25.1	2.8	4.5	0.1	0.2	2.8	5.0	56.1
Jun. qtr	0.7	7.4	0.1	21.7	3.3	1.1	0.1	0.1	0.1	4.6	39.2
Sep. qtr	2.0	7.9	0.3	16.1	2.2	1.7	—	3.9	0.3	3.2	37.6
Dec. qtr	11.2	6.6	0.8	8.6	3.0	1.3	—	7.1	3.0	1.9	43.3
<b>PUBLIC SECTOR</b>											
1999-2000	—	—	—	0.3	5.8	4.6	—	0.4	0.1	5.4	16.6
2000-2001	—	0.1	—	—	0.4	4.1	—	50.3	—	2.3	57.2
2001-2002	—	—	—	0.1	—	1.8	—	13.6	—	—	15.6
2001 Sep. qtr	—	0.3	—	—	—	2.9	—	40.5	—	1.1	44.8
Dec. qtr	—	0.1	—	0.3	0.2	0.4	—	27.5	0.1	—	28.6
2002 Mar. qtr	—	0.1	—	—	—	0.7	—	17.4	—	—	18.2
Jun. qtr	—	—	—	0.1	—	1.8	—	13.6	—	—	15.6
Sep. qtr	—	—	—	15.3	—	1.7	—	4.8	0.4	0.6	22.9
Dec. qtr	—	—	—	12.3	—	1.9	—	2.2	0.1	1.2	17.8
<b>TOTAL</b>											
1999-2000	0.7	2.2	0.2	1.9	8.1	5.1	—	0.4	0.1	5.9	24.6
2000-2001	4.9	5.6	—	0.3	4.4	4.4	—	50.3	7.7	2.4	79.9
2001-2002	0.7	7.4	0.1	21.9	3.3	2.9	0.1	13.7	0.1	4.6	54.8
2001 Sep. qtr	4.5	4.7	1.0	1.0	2.5	6.8	—	41.3	12.1	1.1	75.0
Dec. qtr	6.6	2.1	0.6	4.1	2.7	3.5	0.1	28.1	8.3	—	56.2
2002 Mar. qtr	6.7	8.8	0.1	25.1	2.8	5.2	0.1	17.6	2.8	5.0	74.2
Jun. qtr	0.7	7.4	0.1	21.9	3.3	2.9	0.1	13.7	0.1	4.6	54.8
Sep. qtr	2.0	8.0	0.3	31.4	2.2	3.4	—	8.6	0.7	3.8	60.5
Dec. qtr	11.2	6.6	0.8	20.9	3.0	3.2	—	9.3	3.1	3.1	61.1

## EXPLANATORY NOTES

### INTRODUCTION

**1** This publication contains detailed estimates from the quarterly Building Activity Survey. Each issue includes revisions to the previous quarter. Therefore data for the latest quarter should be considered to be preliminary only.

**2** The statistics 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 complete enumeration of new residential building construction or alterations and additions valued at \$10,000 or more to residential buildings; and
- a complete enumeration of all non-residential building jobs, including alterations and additions, with an approval value of \$50,000 or more.

**3** Prior to the June quarter 1991, private sector housing activity was measured by a sample survey. Due to the relatively small size of the total building industry in the Northern Territory the differences resulting between the two survey methods is minimal. The change from a sample survey to a complete enumeration has allowed the collection of accurate small area data, available on request in unpublished form.

**4** From the 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.

### SCOPE AND COVERAGE

**5** The statistics relate to *building* activity which includes construction of new buildings and alterations and additions to existing buildings. Construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks, etc.) is compiled from the ABS Engineering Construction Survey (ECS). Results from the Building Activity Survey, together with estimates from the ECS, provide a complete quarterly picture of building and construction.

**6** Building jobs included in each quarter in the Building Activity Survey comprise those jobs selected in previous quarters which have not been completed (or commenced) by the end of the previous quarter and those jobs newly selected in the current quarter. The population list from which jobs are selected for inclusion comprises all approved building jobs which were notified to the ABS (refer to paragraph 2) up to but not including the last month of the reference quarter (e.g. up to the end of August in respect of the September quarter survey). This introduces a lag to the statistics in respect of those jobs notified *and* commenced in the last month of the reference quarter (e.g. for the month of September in respect of the September quarter survey). For example, jobs which were notified as approved in the month of June and which actually commenced in that month are shown as commencements in the September quarter. Similarly, building jobs which were notified in the month of September and which actually commenced in that month are shown as commencements in the December quarter.

### TREATMENT OF GST

**7** Statistics on value of building work (current prices) show residential building on a GST inclusive basis and non-residential building on a GST exclusive basis. This approach is consistent with that adopted in the Australian National Accounts which is based on the conceptual framework described in the 1993 edition of the international statistical standard *System of National Accounts* (SNA93).

## TREATMENT OF GST *continued*

**8** SNA93 requires value added taxes (VAT), such as the GST, to be recorded on a net basis where:

- (a) both outputs of goods and services and imports are valued excluding invoiced VAT
- (b) purchases of goods and services are recorded including non-deductible VAT.

Under the net system, VAT is recorded as being payable by purchasers, not sellers, and then only by those purchasers who are not able to deduct it. Almost all VAT is therefore recorded in the SNA93 as being paid on final uses—mainly on household consumption. Small amounts of VAT, may however, be paid by businesses in respect of certain kinds of purchases on which VAT may not be deductible.

**9** Within building activity statistics, purchasers of residential structures are unable to deduct GST from the purchase price. For non-residential structures, the reverse is true. While the ABS collects all building activity data on a GST inclusive basis, it publishes value data inclusive of GST in respect of residential construction and exclusive of GST in respect of non-residential construction.

**10** It is appropriate to add the residential and non-residential components to derive total building activity. Valuation of the components of the total is consistent, since, for both components, the value data is recorded inclusive of non-deductible GST paid by the purchaser. As such, total building activity includes the non-deductible GST payable on residential building.

## DEFINITIONS

**11** A *building* is defined as a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's design, to satisfy its intended use, is the provision for regular access by persons.

**12** 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.

**13** 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 *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.
- An *other residential building* is defined as a building which is predominantly used for long-term residential purposes and which contains (or has attached to it) more than one dwelling unit (e.g. includes townhouses, duplexes, apartment buildings, etc.).



## EXPLANATORY NOTES *continued*

### DEFINITIONS *continued*

**14** From the June quarter 1996 issue of this publication, the number of dwelling units created as part of alterations and additions to, or conversions of, existing residential or non-residential buildings, and as part of the construction of non-residential building is shown separately in tables 2, 4 and 6 under the heading of 'Conversions, etc.', and is included in the total number of dwelling units shown in these tables. Previously, such dwellings were only included as a footnote.

**15** *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).

**16** *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.

**17** *Completed.* A building job is regarded as completed when building activity has progressed to the stage when the building can fulfil its intended function. In practice, the ABS regards buildings as completed when notified as such by respondents to the survey.

### VALUATION OF BUILDING JOBS

**18** The value series in this publication are derived from estimates reported on survey returns as follows:

- *Value of building commenced or under construction* represents the anticipated completion value based, where practicable, on estimated market or contract price of building jobs excluding the value of land and landscaping. Site preparation costs are included. Where building jobs proceed over several quarters, the anticipated completion value reported on the return for the first (commencement) quarter may be amended on returns for subsequent (under construction) quarters as the job nears completion.
- *Value of building completed* represents the actual completion value based, where practicable, on the market or contract price of building jobs including site preparation costs but excluding the value of land and landscaping.
- *Value of building work done* during the period represents the estimated value of building work actually carried out during the quarter on building jobs which have commenced.
- *Value of building work yet to be done* represents the difference between the anticipated completion value and the estimated value of work done up to the end of the period on building jobs commenced but not completed.

### BUILDING CLASSIFICATION

**19** *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.

## EXPLANATORY NOTES *continued*

### BUILDING CLASSIFICATION *continued*

**20** *Functional classification of buildings.* A building is classified according to its intended major function. Hence, a building which is ancillary to other buildings, or forms a part of a group of related buildings, is classified to the function of the building and not to the function of the group as a whole. An example of this can be seen in the treatment of building work approved for a factory complex. In this case, a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while factory buildings would be classified to Factories. An exception to this rule is the treatment of group accommodation buildings where, for example, a student accommodation building on a university campus would be classified to Educational.

**21** Examples of the types of individual building jobs included under each main functional heading are shown in the following list:

- *Houses.* Includes cottages, bungalows, detached caretakers'/managers' cottages, rectories.
- *Other residential buildings.* Includes blocks of flats, home units, attached townhouses, villa units, terrace houses, semi-detached houses, maisonettes.
- *Hotels, etc.* Includes motels, hostels, boarding houses, guest houses, holiday apartment buildings.
- *Shops.* Includes retail shops, restaurants, cafes, taverns, dry cleaners, laundromats, hair salons, shopping arcades.
- *Factories.* Includes paper mills, oil refinery buildings, brickworks, foundries, powerhouses, manufacturing laboratories, workshops as part of a manufacturing process.
- *Offices.* Includes banks, post offices, council chambers, head and regional offices.
- *Other business premises.* Includes warehouses, storage depots, service stations, transport depots and terminals, car parks, electricity substation buildings, pumping station buildings, telephone exchanges, mail sorting centres, broadcasting stations, film studios.
- *Educational.* Includes schools, colleges, universities, kindergartens, libraries, museums, art galleries, research and teaching laboratories, theological colleges.
- *Religious.* Includes churches, chapels, temples.
- *Health.* Includes hospitals, nursing homes, surgeries, clinics, medical centres.
- *Entertainment and recreational.* Includes clubs, theatres, cinemas, public halls, gymnasiums, grandstands, squash courts, sports and recreation centres.
- *Miscellaneous.* Includes law courts, homes for the aged (where medical care is not provided as a normal service), orphanages, gaols, barracks, mine buildings, glasshouses, livestock sheds, shearing sheds, fruit and skin drying sheds, public toilets, and ambulance, fire and police stations.

### RELIABILITY OF THE ESTIMATES

**22** Since the figures are derived from information obtained from a complete enumeration of approved building jobs, they are not subject to sampling error, as may be found in sample surveys.

## EXPLANATORY NOTES *continued*

### RELIABILITY OF THE ESTIMATES *continued*

**23** Despite the precise nature of complete enumeration, inaccuracies may occur because of inadequacies in the source of building approval information, imperfections in reporting by respondents, and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as non-sampling error, and may occur in any enumeration whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by the careful design of questionnaires, efforts to obtain responses for all selected jobs, and efficient operating procedures.

### CHAIN VOLUME MEASURES

**24** Chain volume estimates of the value of commencements and work done are shown in table 1. While current price estimates of the value of commencements and work done reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes. The direct impact of the GST is a price change, and hence is removed from chain volume estimates. 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 new other building components of the national accounts aggregate 'Gross fixed capital formation'.

**25** The chain volume measures of commencements and work done appearing in this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year (currently 2000–01). The reference year is updated annually in the June quarter publication. Each year's data in the value of commencements and work done series are based on the prices of the previous year, except for the quarters of the latest incomplete year which are based upon the current reference year (i.e. 2000–01). Comparability with previous years is achieved by linking (or chaining) the series together to form a continuous time series. Further information on the nature and concepts of chain volume measures is contained in the *ABS Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0).

### ACKNOWLEDGMENT

**26** ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

## EXPLANATORY NOTES *continued*

### RELATED PRODUCTS

**27** Users may also wish to refer to the following publications which are available from ABS Bookshops:

*Building Activity, Australia* (cat. no. 8752.0) Quarterly

*Construction Work Done, Australia, Preliminary* (cat. no. 8755.0) Quarterly

*Building Activity, Australia: Dwelling Unit Commencements, Preliminary*  
(cat. no. 8750.0) Quarterly

*Building Approvals, Australia* (cat. no. 8731.0) Monthly

*Building Approvals, Northern Territory* (cat. no. 8731.7) Quarterly

*Engineering Construction Activity, Australia* (cat. no. 8762.0) Quarterly

*Housing Finance for Owner Occupation, Australia* (cat. no. 5609.0) Monthly.

**28** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead.

### ABS DATA AVAILABLE ON REQUEST

**29** As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

### SYMBOLS AND OTHER USAGES

ABS	Australian Bureau of Statistics
qtr	quarter
—	nil or rounded to zero

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







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