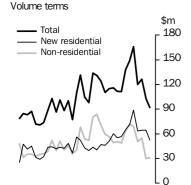


## **BUILDING ACTIVITY**

NORTHERN TERRITORY

EMBARGO: 11:30AM (CANBERRA TIME) WED 3 MAY 2000

#### Value of work done



Dec

1999

#### Value of work commenced

Dec

Dec

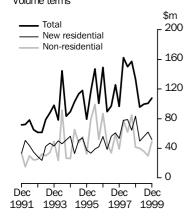
1997

Dec

1991

Dec

1993 1995



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

### DECEMBER QTR KEY FIGURES

ORIGINAL ESTIMATES	Dec qtr 99	Sept qtr 99 to Dec qtr 99 % change	Dec qtr 98 to Dec qtr 99 % change
Value of work done(a) (\$m)	92.0	-10.5	-44.6
New residential building (\$m)	52.5	-18.5	-40.9
Alterations and additions(b) (\$m)	8.5	5.1	4.9
Non-residential building (\$m)	30.9	2.2	-55.3
Total dwelling units commenced (no.)	393	-14.8	-39.1
New private sector houses (no.)	183	-7.1	-28.5

(a) Chain volume measures, reference year 1997–98. (b) To residential buildings.

## DECEMBER QTR KEY POINTS

#### VALUE OF WORK DONE, VOLUME TERMS

- Total building work done fell 10.5% in the December quarter to \$92.0m. Compared with a year earlier, the highest level since the September quarter 1985, it was down by 44.6%.
- The December quarter fall was due to work done on new residential building falling by 18.5% to \$52.5m. In particular, work on new houses fell 27.3% to \$33.2m while new other dwellings rose by 2.8% to \$19.3m.
- Although work done in the non-residential sector rose by 2.2% in the latest quarter, the September quarter 1999 was the lowest since the December quarter 1982.

#### VALUE OF WORK COMMENCED, VOLUME TERMS

- Total building work commenced rose by 7.1% in the December quarter to \$107.9m.
- This increase was due to a 65.1% rise in non-residential commencements, albeit from a relatively low level, to \$49.3m.
- On the other hand, all sectors of residential building commencements fell in the December quarter. New residential commencements fell by 16.2% to \$51.8m and alterations and additions by 24.9% to \$6.8m.

#### NUMBER OF DWELLING UNITS COMMENCED

■ The total number of dwelling units commenced fell 14.8% to 393. While the public sector rose 23.2% to 101, private sector commencements of new houses fell by 7.1% and other dwellings by 40.1%.

#### VALUE OF WORK YET TO BE DONE

■ Work yet to be done on jobs under construction at the end of December 1999 rose 20.0% to \$96.2m. This was 1.05 times the value of work done for the quarter (0.75 for residential building and 1.67 for non-residential).

	NOTE	E S	
FORTHCOMING ISSUES	ISSUE (QU. March 200 June 2000	00	RELEASE DATE 2 August 2000 26 October 2000
CHANGES IN THIS ISSUE	There are	no changes in this issue.	
SIGNIFICANT REVISIONS THIS ISSUE		of residential building work comprevised downwards by \$13.3m (15	menced during the September quarter 1999 5.7%).
SYMBOLS AND OTHER USAGES	ABS	Australian Bureau of Statistics nil or rounded to zero	
		ures have been rounded, discrepant items and totals.	nncies may occur between sums of the
	Robyn E Regiona	Elliott I Director	

Northern Territory

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	7	Value of non-residential building completed	10
	8	Value of building work done	11
	9	Value of non-residential building work done	
	10	Value of building work yet to be done	
	11	Value of non-residential building work yet to be done	

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

	New re	esidential building		Alterations and	Non-residential bu	ilding	
Period	Other residential Houses buildings		Total	additions to residential buildings	Private Sector	Total	Total building
			COMMENC	ED			
1996-97	128.5	63.5	191.8	24.4	114.6	218.5	435.3
1997-98	156.8	114.3	271.0	26.2	100.2	236.9	534.3
1998-99	196.0	57.5	253.6	29.5	98.0	202.5	485.6
1998 Sept. qtr	52.9	11.6	64.6	7.9	24.4	85.1	157.5
Dec. qtr	64.3	19.1	83.4	8.4	28.2	41.3	133.2
1999 Mar. qtr	37.1	12.4	49.6	5.8	15.3	40.1	95.5
June qtr	41.7	14.4	56.0	7.4	30.1	36.0	99.4
Sept. qtr	39.8	22.0	61.7	9.1	16.4	29.9	100.7
Dec. qtr	34.4	17.4	51.8	6.8	27.7	49.3	107.9
		VALUE OF W	ORK DONE	DURING PERIOD	)		
1996-97	125.4	58.6	183.9	23.6	144.6	270.7	479.4
1997-98	146.4	91.0	237.4	26.4	108.1	212.4	476.2
1998-99	197.8	90.1	287.7	29.8	104.3	246.4	563.9
1998 Sept. qtr	50.3	21.0	71.2	8.2	31.7	72.0	151.4
Dec. qtr	62.8	26.0	88.8	8.1	22.4	69.1	166.0
1999 Mar. qtr	42.1	21.2	63.3	6.0	22.4	50.6	119.9
June qtr	42.6	21.9	64.4	7.5	27.8	54.7	126.6
Sept. qtr	45.7	18.8	64.5	8.1	20.4	30.2	102.8
Dec. qtr	33.2	19.3	52.5	8.5	18.9	30.9	92.0

<sup>(</sup>a) Reference year for chain volume measures is 1997-98. See paragraphs 21 and 22 of the Explanatory Notes.

TABLE 2. NUMBER AND VALUE OF BUILDING COMMENCED: ORIGINAL

		Number of dw	elling units					Value (\$m)			
Period	New houses	New other residential building	Con- versions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-resi- dential building	Total building
				PRI	VATE SE	CTOR					
1996-97	815	685	28	1,528	99.5	60.2	159.6	20.7	180.3	114.2	294.5
1997-98	949	877	14	1,840	120.0	106.7	226.7	17.8	244.4	100.2	344.6
1998-99	933	485	15	1,433	123.6	51.7	175.3	23.0	198.3	95.4	293.7
1998 Sept. qtr	221	106	3	330	29.7	10.5	40.2	6.7	46.8	23.9	70.8
Dec. qtr	256	187	4	447	35.1	18.4	53.5	6.0	59.6	27.4	87.0
1999 Mar. qtr	221	109	6	336	28.6	10.8	39.4	4.6	43.9	14.8	58.8
June qtr	235	83	2	320	30.2	12.0	42.2	5.8	48.0	29.1	77.1
Sept. qtr	197	178	4	379	27.8	21.4	49.2	7.9	57.1	15.9	73.1
Dec. qtr	183	108	1	292	26.8	12.0	38.8	6.2	45.0	27.1	72.1
				PU	BLIC SEC	CTOR					
1996-97	170	16	12	198	25.2	1.6	26.9	3.1	30.0	103.5	133.5
1997-98	270	75	_	345	36.7	7.7	44.4	8.6	52.9	136.7	189.6
1998-99	494	47	_	541	72.7	5.0	77.7	6.6	84.3	102.2	186.5
1998 Sept. qtr	153	14	_	167	23.1	1.1	24.3	1.2	25.4	59.6	85.1
Dec. qtr	194	4	_	198	29.0	0.5	29.6	2.4	32.0	12.8	44.8
1999 Mar. qtr	64	15	_	79	8.7	1.4	10.0	1.3	11.3	24.0	35.3
June qtr	83	14	_	97	11.9	2.0	13.9	1.7	15.6	5.8	21.4
Sept. qtr	82	_	_	82	12.7	_	12.7	1.4	14.1	13.2	27.3
Dec. qtr	61	40	_	101	8.5	5.1	13.6	0.9	14.4	21.2	35.7
					TOTAL	,					
1996-97	985	701	40	1,726	124.7	61.8	186.5	23.8	210.3	217.7	428.0
1997-98	1,219	952	14	2,185	156.7	114.4	271.0	26.3	297.3	236.9	534.3
1998-99	1,427	532	15	1,974	196.4	56.7	253.1	29.6	282.6	197.5	480.2
1998 Sept. qtr	374	120	3	497	52.8	11.6	64.4	7.8	72.3	83.6	155.8
Dec. qtr	450	191	4	645	64.2	18.9	83.1	8.4	91.6	40.2	131.8
1999 Mar. qtr	285	124	6	415	37.3	12.2	49.4	5.8	55.3	38.9	94.1
June qtr	318	97	2	417	42.1	14.0	56.1	7.5	63.6	34.9	98.5
Sept. qtr	279	178	4	461	40.5	21.4	61.9	9.3	71.2	29.1	100.4
Dec. qtr	244	148	1	393	35.3	17.0	52.3	7.1	59.4	48.3	107.7

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

Period	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscel- laneous	Total non-resi- dential building
				PR	IVATE SE	CTOR					
1996-97	1.4	53.8	4.0	20.2	19.7	7.4	0.2	0.4		5.1	114.2
1997-98	0.6	34.5	5.6	14.5	20.9	3.9	0.1	0.5		4.0	100.2
1998-99	9.4	20.0	5.7	12.4	17.1	2.8	0.5	1.9	23.7	1.9	95.4
1998 Sept. qtr	_	11.2	1.6	5.0	5.3	0.1	0.1	_	0.2	0.4	23.9
Dec. qtr	0.2	2.0	_	3.4	4.4	0.3	0.1	_	16.2	0.8	27.4
1999 Mar. qtr	_	2.6	1.1	3.1	2.9	1.1	_	_	3.4	0.6	14.8
June qtr	9.2	4.2	3.0	0.8	4.5	1.3	0.3	1.9	3.9	_	29.1
Sept. qtr	3.1	2.7	1.4	1.8	1.6	2.6	0.5	_	0.6	1.6	15.9
Dec. qtr	2.3	3.2	_	9.7	9.3	1.5	0.1	_	0.9	_	27.1
				PU	JBLIC SEC	TOR					
1996-97	1.2	3.3	21.7	8.0	5.5	37.2	_	3.3	4.4	19.0	103.5
1997-98		0.2	0.1	18.2	47.3	20.9	_	6.3		43.2	136.7
1998-99	0.1	0.6	0.3	38.7	7.4	13.4	_	14.2		26.2	102.2
1998 Sept. qtr	_	0.1	_	36.5	0.1	7.1	_	1.2	0.4	14.2	59.6
Dec. qtr	0.1	0.4	_	0.6	1.8	2.8	_	2.2		4.5	12.8
1999 Mar. qtr	_	_	_	1.2	3.1	2.2	_	10.8	0.3	6.4	24.0
June qtr	_	0.1	0.3	0.4	2.4	1.3	_	_	0.2	1.1	5.8
Sept. qtr	_	_	_	1.2	_	4.2	_	2.4	_	5.4	13.2
Dec. qtr	_	_	_	1.8	0.8	1.8	_	1.5	0.5	14.8	21.2
					TOTAL						
1996-97	2.6	57.1	25.7	28.2	25.2	44.6	0.2	3.8	6.2	24.0	217.7
1997-98	0.6	34.7	5.7	32.8	68.2	24.9	0.1	6.8		47.2	236.9
1998-99	9.6	20.6	6.0	51.0	24.4	16.2	0.5	16.1		28.1	197.5
1998 Sept. qtr	_	11.3	1.6	41.5	5.3	7.1	0.1	1.2	0.6	14.7	83.6
Dec. qtr	0.4	2.4	_	4.0	6.2	3.1	0.1	2.2		5.3	40.2
1999 Mar. qtr	_	2.6	1.1	4.3	6.0	3.4	_	10.8	3.8	7.0	38.9
June qtr	9.2	4.3	3.2	1.2	6.9	2.6	0.3	1.9		1.1	34.9
Sept. qtr	3.1	2.7	1.4	3.0	1.6	6.8	0.5	2.4		7.0	29.1
Dec. qtr	2.3	3.2	_	11.6	10.1	3.3	0.1	1.5		14.8	48.3

TABLE 4. NUMBER AND VALUE OF BUILDING UNDER CONSTRUCTION AT END OF PERIOD: ORIGINAL

		Number of dw	elling units					Value (\$m)			
	New houses	New other residential building	Con- versions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-resi- dential building	Total building
				PRI	IVATE SE	CTOR					
1996-97	338	450	9	797	42.1	38.5	80.7	10.3	91.0	57.3	148.3
1997-98	383	531	4	918	52.7	70.2	122.9	7.2	130.1	45.1	175.2
1998-99	367	273	6	646	51.6	40.3	91.9	8.1	100.0	35.9	136.0
1998 Sept. qtr	379	450	5	834	53.6	65.1	118.8	9.2	128.0	39.0	167.0
Dec. qtr	376	403	5	784	54.3	55.7	109.9	7.9	117.8	29.1	147.0
1999 Mar. qtr	387	354	9	750	55.7	48.8	104.5	8.1	112.6	31.4	144.0
June qtr	367	273	6	646	51.6	40.3	91.9	8.1	100.0	35.9	136.0
Sept. qtr	329	270	5	604	45.9	40.6	86.5	10.6	97.1	21.3	118.4
Dec. qtr	301	168	4	473	42.6	21.0	63.6	8.7	72.3	36.6	108.9
				PU	BLIC SEC	CTOR					
1996-97	52	5	_	57	6.3	0.5	6.8	1.5	8.3	72.0	80.3
1997-98	74	17	_	91	10.6	1.6	12.3	4.1	16.4	102.7	119.0
1998-99	125	20	_	145	19.3	2.6	21.8	2.2	24.0	67.4	91.5
1998 Sept. qtr	143	21	_	164	22.2	2.0	24.2	1.4	25.6	134.1	159.8
Dec. qtr	167	20	_	187	25.7	1.8	27.6	2.5	30.1	127.3	157.4
1999 Mar. qtr	131	27	_	158	18.6	2.3	20.9	2.4	23.4	102.5	125.8
June qtr	125	20	_	145	19.3	2.6	21.8	2.2	24.0	67.4	91.5
Sept. qtr	88	_	_	88	13.5	_	13.5	2.1	15.5	54.5	70.0
Dec. qtr	93	40	_	133	13.7	5.1	18.8	0.6	19.4	48.2	67.6
					TOTAL						
1996-97	390	455	9	854	48.4	39.0	87.5	11.8	99.3	129.3	228.6
1997-98	457	548	4	1,009	63.4	71.8	135.2	11.3	146.5	147.8	294.3
1998-99	492	293	6	791	70.9	42.9	113.8	10.3	124.1	103.4	227.4
1998 Sept. qtr	522	471	5	998	75.9	67.1	142.9	10.7	153.6	173.1	326.7
Dec. qtr	543	423	5	971	80.0	57.5	137.5	10.4	147.9	156.4	304.4
1999 Mar. qtr	518	381	9	908	74.3	51.1	125.4	10.6	136.0	133.8	269.8
June qtr	492	293	6	791	70.9	42.9	113.8	10.3	124.1	103.4	227.4
Sept. qtr	417	270	5	692	59.4	40.6	100.0	12.6	112.6	75.8	188.4
Dec. qtr	394	208	4	606	56.3	26.0	82.4	9.3	91.7	84.8	176.5

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

	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscel- laneous	Total non-resi- dential building
				PR	IVATE SEC	CTOR					
1996-97	0.6	40.1	1.1	6.5	7.9	_	0.2	_	0.1	0.7	57.3
1997-98	0.9	14.9	2.0	6.6	5.7	0.7	_	_	10.8	3.4	45.1
1998-99	9.2	4.7	3.3	1.3	8.0	0.9	0.3	1.9	6.0	0.3	35.9
1998 Sept. qtr	0.9	9.7	1.6	5.5	6.6	0.1	0.1	_	10.9	3.6	39.0
Dec. qtr	0.6	2.3	0.3	5.5	4.2	_	_	_	15.7	0.5	29.1
1999 Mar. qtr	0.6	2.0	1.2	3.2	6.9	0.2	_	_	16.3	1.0	31.4
June qtr	9.2	4.7	3.3	1.3	8.0	0.9	0.3	1.9	6.0	0.3	35.9
Sept. qtr	3.7	1.9	1.7	1.6	4.1	2.7	0.6	2.2	1.1	1.8	21.3
Dec. qtr	5.2	1.8	_	10.4	10.3	3.6	0.4	2.2	1.1	1.5	36.6
				PU	JBLIC SEC	TOR					
1996-97	0.1	0.2	20.1	0.8	0.6	33.5	_	0.4	3.3	13.1	72.0
1997-98	_	0.2	_	10.6	42.5	8.9	_	5.1	_	35.3	102.7
1998-99	_	_	0.3	37.0	9.2	0.1	_	10.0	_	11.0	67.4
1998 Sept. qtr	_	0.3	_	38.7	42.6	10.1	_	5.9	0.4	36.1	134.1
Dec. qtr	_	0.4	_	38.7	40.8	2.3	_	7.0	_	38.1	127.3
1999 Mar. qtr	_	_	_	36.0	32.3	2.9	_	14.8	0.2	16.3	102.5
June qtr	_	_	0.3	37.0	9.2	0.1	_	10.0	_	11.0	67.4
Sept. qtr	_	_	0.3	24.1	7.9	4.2	_	12.4	_	5.6	54.5
Dec. qtr	_	_	_	1.8	7.2	4.9	_	13.8	0.5	20.0	48.2
					TOTAL						
1996-97	0.8	40.3	21.2	7.3	8.5	33.5	0.2	0.4	3.4	13.8	129.3
1997-98	0.9	15.1	2.0	17.3	48.3	9.6		5.1	10.8	38.8	147.8
1998-99	9.2	4.7	3.6	38.3	17.2	1.0	0.3	11.9	6.0	11.2	103.4
1998 Sept. qtr	0.9	10.0	1.6	44.2	49.2	10.1	0.1	5.9	11.3	39.8	173.1
Dec. qtr	0.6	2.7	0.3	44.1	45.0	2.3	_	7.0	15.7	38.6	156.4
1999 Mar. qtr	0.6	2.0	1.2	39.1	39.1	3.1	_	14.8	16.6	17.3	133.8
June qtr	9.2	4.7	3.6	38.3	17.2	1.0	0.3	11.9	6.0	11.2	103.4
Sept. qtr	3.7	1.9	1.9	25.7	12.0	6.9	0.6	14.6	1.1	7.4	75.8
Dec. qtr	5.2	1.8	_	12.2	17.5	8.5	0.4	16.1	1.5	21.5	84.8

TABLE 6. NUMBER AND VALUE OF BUILDING COMPLETED: ORIGINAL

		Number of dw	elling units					Value (\$m)			
Period	New houses	New other residential building	Con- versions etc.	Total dwelling units	New houses	New other residential building	New residential building	Alterations and additions to residential buildings	Total residential building	Total non-resi- dential building	Total building
				PRI	VATE SE	CTOR					
1996-97	823	504	23	1,350	95.2	50.2	145.3	20.0	165.3	171.4	336.7
1997-98	894	796	18	1,708	110.0	74.9	184.9	21.2	206.0	114.0	320.0
1998-99	941	749	13	1,703	125.5	84.5	209.9	22.4	232.4	104.8	337.2
1998 Sept. qtr	223	195	2	420	28.5	16.1	44.6	4.9	49.5	29.1	78.6
Dec. qtr	256	234	4	494	34.3	28.9	63.2	7.5	70.7	37.1	107.8
1999 Mar. qtr	208	156	2	366	28.0	18.8	46.9	4.5	51.4	13.6	65.1
June qtr	254	164	5	423	34.6	20.6	55.2	5.6	60.8	24.9	85.7
Sept. qtr	235	181	5	421	33.9	20.9	54.7	5.7	60.4	30.5	90.9
Dec. qtr	211	210	2	423	30.3	31.7	62.0	8.1	70.1	11.6	81.8
				PU	BLIC SEC	CTOR					
1996-97	125	119	14	258	19.8	8.0	27.8	1.8	29.5	135.1	164.7
1997-98	248	63	_	311	32.4	6.5	38.9	6.0	44.9	99.3	144.1
1998-99	443	44	_	487	65.4	4.1	69.4	8.3	77.7	140.0	217.7
1998 Sept. qtr	84	10	_	94	11.8	0.8	12.6	3.8	16.4	27.5	43.9
Dec. qtr	170	5	_	175	25.5	0.6	26.2	1.3	27.5	20.8	48.2
1999 Mar. qtr	100	8	_	108	16.0	0.9	16.9	1.2	18.1	49.1	67.2
June qtr	89	21	_	110	12.0	1.8	13.7	2.0	15.7	42.6	58.3
Sept. qtr	119	20	_	139	18.6	2.5	21.1	1.5	22.7	26.1	48.8
Dec. qtr	56	_	_	56	8.2	_	8.2	2.3	10.5	27.5	38.0
					TOTAL	,					
1996-97	948	623	37	1,608	114.9	58.2	173.1	21.7	194.8	306.6	501.4
1997-98	1,142	859	18	2,019	142.4	81.3	223.7	27.1	250.9	213.2	464.1
1998-99	1,384	793	13	2,190	190.8	88.5	279.4	30.8	310.1	244.8	554.9
1998 Sept. qtr	307	205	2	514	40.3	16.9	57.3	8.7	65.9	56.7	122.6
Dec. qtr	426	239	4	669	59.8	29.6	89.4	8.8	98.2	57.9	156.1
1999 Mar. qtr	308	164	2	474	44.1	19.7	63.8	5.7	69.5	62.8	132.3
June qtr	343	185	5	533	46.6	22.3	68.9	7.6	76.5	67.5	144.0
Sept. qtr	354	201	5	560	52.5	23.4	75.9	7.2	83.1	56.5	139.6
Dec. qtr	267	210	2	479	38.5	31.7	70.3	10.4	80.7	39.1	119.8

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

Total Other Entertainnon-resi-Hotelsbusinessment and Misceldentialpremises Educational Health recreational Period Shops Offices Religious buildingetc. Factories laneous PRIVATE SECTOR 1996-97 60.9 49.4 4.0 8.0 0.1 4.2 5.0 171.4 20.9 0.4 18.4 5.2 1997-98 0.3 60.9 4.8 143 22.9 3.3 0.3 0.5 1.6 114.0 1998-99 0.9 29.7 4.4 18.0 15.3 2.6 0.3 28.8 5.0 104.8 1998 Sept. qtr 16.1 2.1 5.6 4.4 0.7 0.1 29.1 Dec. qtr 0.2 9.4 1.3 3.4 6.7 0.4 0.3 11.4 4.1 37.1 2.9 0.1 6.0 0.7 0.9 0.1 13.6 1999 Mar. qtr 3.0 0.6 1.3 0.8 2.9 3.5 0.6 14.4 0.8 24.9 June qtr 0.1 1.5 30.5 Sept. qtr 8.7 5.5 3.0 5.2 0.8 5.4 0.1 Dec. qtr 0.8 3.0 1.8 0.8 3.2 0.6 0.3 0.9 0.3 11.6 PUBLIC SECTOR 1996-97 1.0 7.7 40.8 5.9 135.1 1.6 20.2 22.1 3.6 32.3 1997-98 0.1 0.3 21.2 4.2 6.2 40.2 1.5 3.8 21.8 99.3 1998-99 0.1 0.8 13.6 42.1 22.0 9.7 1.3 50.3 140.0 1998 Sept. qtr 8.4 5.7 0.4 13.0 27.5 0.1 0.3 0.6 4.6 10.6 1.1 0.7 2.6 20.8 Dec. qtr 11.7 0.1 28.1 1999 Mar. qtr 0.4 4.1 1.6 3.0 49.1 June qtr 0.1 0.4 25.8 4.2 5.1 0.4 6.6 42.6 Sept. qtr 14.0 1.3 0.1 10.8 26.1 Dec. qtr 0.3 24.2 1.5 0.1 27.5 1.1 TOTAL 1996-97 61.9 57.1 5.6 41.1 40.5 48.8 0.1 4.0 10.1 37.3 306.6 1997-98 0.5 61.2 25.9 18.5 29.0 43.5 0.3 2.0 23.4 213.2 9.0 1998-99 1.0 30.4 4.4 31.6 57.4 24.6 0.3 9.7 30.1 55.3 244.8 1998 Sept. qtr 16.1 2.1 14.1 0.4 0.1 13.0 56.7 4.4 6.4 0.4 0.3 Dec. qtr 9.7 1.3 4.0 11.3 10.9 1.1 12.1 6.7 57.9 1999 Mar. qtr 3.3 0.1 10.1 12.3 2.6 3.0 3.1 28.2 62.8 June qtr 0.6 1.3 0.8 3.4 29.3 4.7 5.1 14.8 7.3 67.5 8.7 5.5 3.0 15.5 6.5 0.8 0.1 5.4 10.9 56.5 Sept. qtr 0.1 0.9 0.8 3.0 2.0 25.0 4.7 1.8 0.3 0.7 39.1 Dec. qtr

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

				Alterations			
				and			
		New	3.7	additions	I	Total .	
	New	other residential	New residential	to residential	Total residential	non-resi- dential	Total
Period	houses	building	building	buildings	building	building	building
			PRIVATE SE	CTOR			
1996-97	98.2	53.8	151.9	20.2	172.1	142.6	314.7
1997-98	112.4	83.5	195.9	19.3	215.2	108.2	323.4
1998-99	128.5	85.3	213.7	22.7	236.4	102.1	338.5
1998 Sept. qtr	32.1	20.8	52.9	6.2	59.1	31.6	90.7
Dec. qtr	36.5	24.7	61.2	6.1	67.4	22.1	89.5
1999 Mar. qtr	29.9	20.4	50.3	4.6	54.9	21.8	76.7
June qtr	30.0	19.3	49.3	5.7	55.0	26.6	81.6
Sept. qtr	32.1	17.4	49.5	6.8	56.3	19.6	76.0
Dec. qtr	25.6	18.8	44.4	7.2	51.6	18.3	69.9
			PUBLIC SEC	TOR			
1996-97	22.9	3.3	26.3	2.7	29.0	124.4	153.4
1997-98	34.1	7.4	41.5	7.1	48.6	104.1	152.7
1998-99	70.5	4.7	75.1	7.2	82.3	139.6	221.9
1998 Sept. qtr	18.2	0.4	18.6	2.0	20.6	40.2	60.8
Dec. qtr	26.5	1.4	28.0	2.0	30.0	46.1	76.1
1999 Mar. qtr	12.5	0.7	13.2	1.4	14.5	27.4	42.0
June qtr	13.2	2.1	15.4	1.9	17.2	25.8	43.0
Sept. qtr	14.6	0.9	15.5	1.4	17.0	9.5	26.4
Dec. qtr	8.6	0.1	8.8	1.6	10.3	11.6	21.9
			TOTAL				
1996-97	121.1	57.1	178.2	22.9	201.1	267.0	468.1
1997-98	146.5	90.9	237.4	26.4	263.9	212.3	476.1
1998-99	198.9	89.9	288.9	29.9	318.8	241.7	560.4
1998 Sept. qtr	50.3	21.2	71.6	8.2	79.8	71.8	151.5
Dec. qtr	63.0	26.2	89.2	8.1	97.3	68.2	165.6
1999 Mar. qtr	42.4	21.1	63.5	6.0	69.5	49.2	118.7
June qtr	43.2	21.4	64.6	7.6	72.2	52.4	124.6
Sept. qtr	46.7	18.3	65.0	8.3	73.3	29.1	102.4
Dec. qtr	34.2	18.9	53.1	8.8	61.9	29.9	91.8

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

					(ф ининог	1)					
Period	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscel- laneous	Total non-resi- dential building
				PR	IVATE SE	CTOR					
1996-97	30.8	50.9	4.2	21.1	20.0	7.5	0.2	0.4	2.1	5.2	142.6
1997-98	0.3	50.3	5.6	15.0	21.2	3.8	0.1	0.5		1.5	108.2
1998-99	7.9	23.1	3.9	16.3	16.2	2.8	0.3	0.3	26.5	4.8	102.1
1998 Sept. qtr	_	13.0	1.2	5.6	4.5	0.3	0.1	_	4.2	2.7	31.6
Dec. qtr	0.2	4.2	0.7	5.0	4.7	0.3	0.2	_	5.6	1.2	22.1
1999 Mar. qtr	0.1	2.8	0.5	4.4	2.8	1.0	_	_	9.8	0.5	21.8
June qtr	7.6	3.1	1.5	1.4	4.2	1.2	_	0.3		0.3	26.6
Sept. qtr	2.8	3.4	2.8	1.7	2.8	0.9	0.3	0.8	3.6	0.5	19.6
Dec. qtr	1.3	3.3	0.8	2.9	6.0	1.5	0.4	0.2	1.1	0.8	18.3
				PU	JBLIC SEC	TOR					
1996-97	1.0	5.6	19.6	8.7	14.4	37.9	_	3.4	5.0	28.8	124.4
1997-98	0.1	0.4	3.1	11.0	32.0	25.4	_	1.8		29.2	104.1
1998-99	0.1	0.6	_	40.5	24.1	19.9	_	10.2	1.3	42.7	139.6
1998 Sept. qtr	_	0.1	_	6.5	9.0	10.7	_	1.6	0.1	12.2	40.2
Dec. qtr	0.1	0.3	_	12.1	5.8	4.9	_	4.3	0.6	17.8	46.1
1999 Mar. qtr	_	0.2	_	9.5	4.5	2.3	_	3.0	0.2	7.9	27.4
June qtr	_	0.1	_	12.3	4.9	1.9	_	1.4	0.4	4.9	25.8
Sept. qtr	_	_	0.2	3.1	0.8	1.0	_	0.9	_	3.5	9.5
Dec. qtr	_	_	_	2.5	0.7	3.1	_	1.5	0.3	3.6	11.6
					TOTAL						
1996-97	31.8	56.6	23.8	29.8	34.4	45.4	0.2	3.9	7.1	34.0	267.0
1997-98	0.5	50.7	8.8	26.0	53.1	29.2	0.1	2.2	11.0	30.6	212.3
1998-99	8.1	23.7	3.9	56.8	40.3	22.7	0.3	10.6	27.8	47.5	241.7
1998 Sept. qtr	_	13.1	1.2	12.1	13.5	11.0	0.1	1.6	4.3	14.9	71.8
Dec. qtr	0.4	4.5	0.7	17.1	10.6	5.2	0.2	4.3	6.2	19.1	68.2
1999 Mar. qtr	0.1	3.0	0.5	13.9	7.2	3.3	_	3.0	10.0	8.4	49.2
June qtr	7.6	3.1	1.5	13.7	9.0	3.2	_	1.7		5.2	52.4
Sept. qtr	2.8	3.4	3.0	4.8	3.6	1.9	0.3	1.7		4.0	29.1
Dec. qtr	1.3	3.3	0.9	5.3	6.7	4.6	0.4	1.7	1.4	4.4	29.9

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

				Alterations and			
	New houses	New other residential building	New residential building	additions to residential buildings	Total residential building	Total non-resi- dential building	Total building
			PRIVATE SE	CTOR			
1996-97	17.5	20.4	37.9	4.2	42.1	28.4	70.5
1997-98	26.6	43.4	70.0	3.1	73.1	22.0	95.1
1998-99	22.8	12.8	35.6	3.8	39.5	15.7	55.1
1998 Sept. qtr	24.0	33.7	57.6	3.8	61.4	13.4	74.9
Dec. qtr	22.5	28.5	51.0	3.8	54.8	18.6	73.4
1999 Mar. qtr	22.2	20.0	42.2	3.9	46.1	12.7	58.8
June qtr	22.8	12.8	35.6	3.8	39.5	15.7	55.1
Sept. qtr	18.9	16.6	35.5	5.1	40.6	11.9	52.5
Dec. qtr	20.3	9.9	30.1	4.1	34.2	20.5	54.8
			PUBLIC SEC	CTOR			
1996-97	2.6	0.4	2.9	0.4	3.4	24.1	27.5
1997-98	5.2	0.6	5.8	1.9	7.7	50.9	58.6
1998-99	8.8	0.9	9.7	1.1	10.8	16.0	26.9
1998 Sept. qtr	10.4	1.3	11.7	1.1	12.8	69.7	82.4
Dec. qtr	13.0	0.3	13.3	1.5	14.8	37.5	52.3
1999 Mar. qtr	9.4	1.0	10.4	1.2	11.7	34.3	46.0
June qtr	8.8	0.9	9.7	1.1	10.8	16.0	26.9
Sept. qtr	7.0	_	7.0	1.1	8.0	19.7	27.7
Dec. qtr	6.9	4.9	11.8	0.4	12.2	29.3	41.4
			TOTAL				
1996-97	20.1	20.8	40.9	4.6	45.5	52.5	98.0
1997-98	31.8	44.0	75.8	5.0	80.8	72.9	153.7
1998-99	31.6	13.7	45.4	4.9	50.3	31.7	82.0
1998 Sept. qtr	34.4	35.0	69.3	4.9	74.2	83.1	157.3
Dec. qtr	35.5	28.8	64.3	5.3	69.6	56.1	125.7
1999 Mar. qtr	31.6	21.1	52.6	5.1	57.8	47.0	104.8
June qtr	31.6	13.7	45.4	4.9	50.3	31.7	82.0
Sept. qtr	25.9	16.6	42.5	6.2	48.6	31.5	80.2
Dec. qtr	27.1	14.8	41.9	4.5	46.4	49.8	96.2

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

					(2 millio	11)					
	Hotels etc.	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscel- laneous	Total non-resi- dential building
				PR	IVATE SE	ECTOR					
1996-97	0.6	19.9	0.3	4.8	2.5	_	_	_	_	0.1	28.4
1997-98	0.8	5.3	0.3	4.3	2.1	0.2	_	_	6.0	3.0	22.0
1998-99	2.1	1.8	2.0	0.6	3.5	0.2	0.3	1.6	3.5	_	15.7
1998 Sept. qtr	0.8	3.2	0.7	3.2	2.8	_	_	_	2.1	0.5	13.4
Dec. qtr	0.6	1.0	0.1	1.7	2.4	_	_	_	12.7	0.2	18.6
1999 Mar. qtr	0.5	0.8	0.7	0.9	3.0	0.1	_	_	6.4	0.3	12.7
June qtr	2.1	1.8	2.0	0.6	3.5	0.2	0.3	1.6	3.5	_	15.7
Sept. qtr	2.5	1.1	0.7	0.7	1.9	1.9	0.4	1.1	0.5	1.2	11.9
Dec. qtr	3.5	0.7	_	7.6	5.3	1.9	0.1	0.9	0.2	0.4	20.5
				PU	JBLIC SE	CTOR					
1996-97	0.1	0.1	2.1	0.5	0.2	15.7	_	0.1	0.6	4.6	24.1
1997-98	_	_	_	3.6	16.4	6.7	_	4.7	_	19.5	50.9
1998-99	_	_	0.3	3.1	1.0	_	_	9.0	_	2.7	16.0
1998 Sept. qtr	_	0.1	_	33.6	7.5	2.9	_	4.4	0.2	21.1	69.7
Dec. qtr	_	0.2	_	22.0	4.4	0.7	_	2.2	_	7.9	37.5
1999 Mar. qtr	_	_	_	13.9	3.2	0.7	_	10.0	0.2	6.3	34.3
June qtr	_	_	0.3	3.1	1.0	_	_	9.0	_	2.7	16.0
Sept. qtr	_	_	_	1.0	0.2	3.2	_	10.4	_	4.7	19.7
Dec. qtr	_	_	_	0.4	0.4	1.9	_	10.5	0.2	15.9	29.3
					TOTAL	_					
1996-97	0.8	20.0	2.4	5.3	2.8	15.7	_	0.1	0.7	4.8	52.5
1997-98	0.8	5.3	0.3	7.9	18.5	6.9	_	4.7	6.0	22.5	72.9
1998-99	2.1	1.8	2.3	3.7	4.4	0.2	0.3	10.6	3.5	2.8	31.7
1998 Sept. qtr	0.8	3.2	0.7	36.8	10.3	2.9	_	4.4	2.3	21.6	83.1
Dec. qtr	0.6	1.1	0.1	23.7	6.9	0.7	_	2.2	12.7	8.1	56.1
1999 Mar. qtr	0.5	0.8	0.7	14.9	6.1	0.8	_	10.0	6.6	6.6	47.0
June qtr	2.1	1.8	2.3	3.7	4.4	0.2	0.3	10.6	3.5	2.8	31.7
Sept. qtr	2.5	1.1	0.7	1.7	2.1	5.1	0.4	11.5	0.5	5.9	31.5
Dec. qtr	3.5	0.7	_	8.0	5.6	3.8	0.1	11.3	0.4	16.3	49.8

#### INTRODUCTION

- **1** This publication contains detailed results 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 are compiled on the basis of returns collected from builders and other individuals and organisations engaged in building activity. The quarterly survey consists of two components:
- a 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.
- **5** 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 generally only available at the State, Territory and Australia levels. The Northern Territory has been completely enumerated since the June quarter 1991 and small area data are available on request. Also, data for regions below State and Territory level are available from the building approvals series compiled by the ABS and based on information reported by local government and other reporting authorities.

### SCOPE AND COVERAGE

- **6** 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.
- **7** 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 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.

**DEFINITIONS** 

- **8** 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.
- **9** 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.
- **10** A *residential building* is defined as a building predominantly consisting of one or more dwelling units. Residential buildings can be either *bouses* or *other residential buildings*:
- A bouse 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.).
- **11** 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.
- **12** *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).
- **13** *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.
- **14** *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

**15** 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**

- **16** *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.
- **17** *Functional classification of buildings*. A building is classified according to its intended major function. Hence, a building which is ancillary to other buildings, or forms a part of a group of related buildings, is classified to the function of the building and not to the function of the group as a whole. An example of this can be seen in the treatment of building work approved for a factory complex. In this case, a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while factory buildings would be classified to Factories. An exception to this rule is the treatment of group accommodation buildings where, for example, a student accommodation building on a university campus would be classified to Educational.
- **18** 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.

#### BUILDING CLASSIFICATION continued

- 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

- **19** Since the figures for private sector house building activity (including alterations and additions to private sector houses) 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.
- **20** 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

- **21** 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 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'.
- 22 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 1997–98). The reference year will be 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. 1997–98). 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**

**23** 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*.

#### UNPUBLISHED DATA AND RELATED PUBLICATIONS

- **24** The ABS can also make available certain building approvals and activity data which are not published. Where it is not practicable to provide the required information by telephone, it can be provided via fax, photocopy, computer printout, floppy disk and email. A charge may be made for providing unpublished information in these forms. Inquiries should be made to Information Inquiries on Darwin 08 8943 2111 or any ABS State office.
- **25** Users may also wish to refer to the following publications which are available on request:

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Building Activity, Australia (Cat. no. 8752.0) — issued quarterly
Building Activity, Australia: Dwelling Unit Commencements, Preliminary
(Cat. no. 8750.0) — issued quarterly
Building Activity, Australia: Building Work Done, Preliminary
(Cat. no. 8755.0) — issued quarterly
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Building Approvals, Australia (Cat. no. 8731.0) — issued monthly
 Building Approvals, Northern Territory (Cat. no. 8731.7) — issued quarterly from March 2000

Engineering Construction Activity, Australia (Cat. no. 8762.0) — issued quarterly

Housing Finance for Owner Occupation, Australia (Cat. no. 5609.0) — issued monthly

**26** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

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