



November 1995
The Labour Force
Queensland

Catalogue No. 6201.3

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THE LABOUR FORCE, QUEENSLAND, NOVEMBER 1995

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NOTE

There have been several changes made to regional data published. For information regarding the availability of regional data contact the Inquiry Service on (07) 3222 6351.

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30 January 1996

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INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact the Inquiry Service on Brisbane (07) 3222 6351 (fax (07) 3229 6042) or any ABS State office.
- for information about other ABS statistics and services, telephone, fax or write to the Inquiry Service, Australian Bureau of Statistics (ABS), GPO Box 9817, Brisbane Q 4001.

SUMMARY OF FINDINGS

SEASONALLY ADJUSTED SERIES

In seasonally adjusted terms, employment in Queensland increased by 50,600 to 1,515,500 between November 1994 and November 1995 while the number of unemployed persons increased by 19,000 to 163,500 over the same period. From November 1994 to November 1995, the unemployment rate increased from 9.0% to 9.7% while the participation rate increased from 64.4% to 65.3%.

For Australia, in seasonally adjusted terms, employment increased by 304,400 and the number of unemployed persons decreased by 28,800 from November 1994 to November 1995. Over the same period, the participation rate increased by 1.0 percentage point to 64.2% and the unemployment rate fell from 9.2% to 8.6%.

TABLE 1 — LABOUR FORCE, QUEENSLAND
(Seasonally adjusted series)

Particulars	Unit	November 1994	August 1995	September 1995	October 1995	November 1995	Annual percentage change
Employed	'000	1,464.9	1,509.1	1,507.6	1,494.1	1,515.5	+ 3.5
Unemployed	'000	144.5	151.4	157.3	168.5	163.5	+ 13.1
Labour force	'000	1,609.5	1,660.5	1,665.0	1,662.6	1,679.0	+ 4.3
Unemployment rate	%	9.0	9.1	9.5	10.1	9.7	..
Participation rate	%	64.4	65.0	65.0	64.8	65.3	..

TREND SERIES

In Queensland, employment increased in trend terms by 44,500 to 1,506,300 between November 1994 and November 1995 while the number of unemployed persons increased by 22,800 to 163,900 over the same period. The unemployment rate increased from 8.8% in November 1994 to 9.8% in November 1995. The participation rate increased from 64.1% in November 1994 to 65.4% in May 1995, then fell to 64.9% in November 1995. In Australia, employment increased by 247,700 from November 1994 to November 1995 while the number of unemployed persons decreased by 27,200 over the same period.

DIAGRAM 1 - EMPLOYED PERSONS: MONTHLY PERCENTAGE CHANGE
(Trend series)

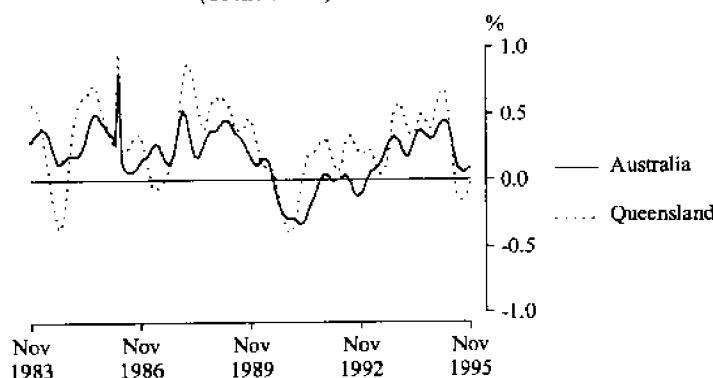
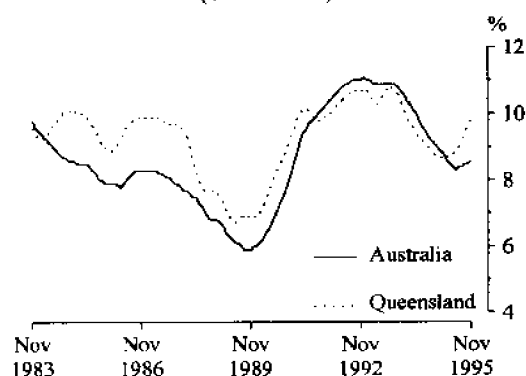


DIAGRAM 2 - UNEMPLOYMENT RATE
(Trend series)



ORIGINAL SERIES

In original terms, the number of employed persons in Queensland in November 1995 was 1,522,100 and the number of unemployed persons was 151,300. The median duration of unemployment declined from 26 weeks in November 1994 to 19 weeks in November 1995.

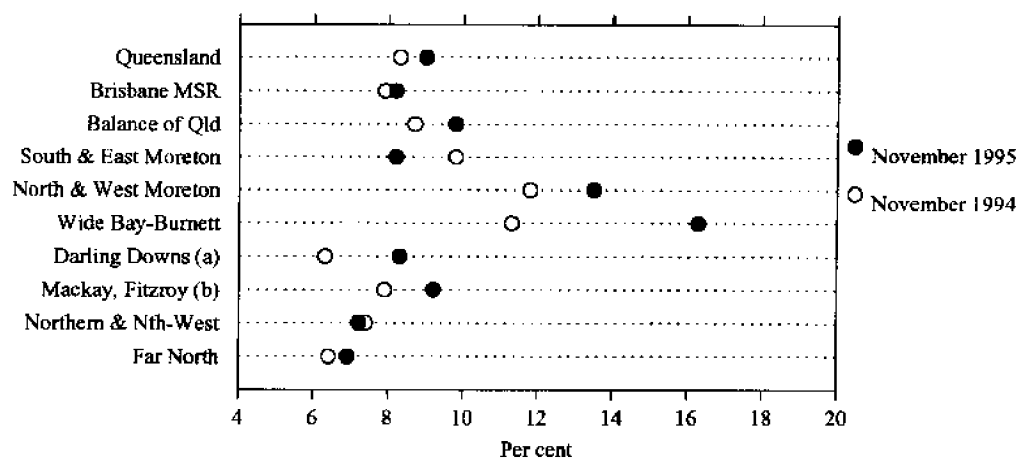
Regional estimates

The unemployment rate for the Brisbane Major Statistical Region (MSR) in November 1995 was 8.2% and for the Balance of Queensland was 9.8%. South and East Brisbane Statistical Division (BSD) Balance had the highest unemployment rate in the Brisbane MSR while the Brisbane City Inner Ring had the lowest rate.

SUMMARY OF FINDINGS — *continued*

For the Balance of Queensland, regions with the highest unemployment rates were Wide Bay-Burnett and North and West Moreton. The Far North Statistical Region had the lowest unemployment rate.

DIAGRAM 3 - UNEMPLOYMENT RATE: REGIONS OF QUEENSLAND, NOVEMBER 1994 AND NOVEMBER 1995



(a) Including South-West. (b) Including Central-West.

Youth estimates

The number of 15 to 19 year olds in the Queensland labour force increased by 5,800 to 149,000 persons over the year from November 1994 to November 1995, while the number employed increased marginally to 118,900 persons. The unemployment rate for this group increased from 17.9% in November 1994 to 20.2% in November 1995 and the participation rate rose from 59.5% in November 1994 to 61.5% in November 1995.

There were 193,600 employed 20 to 24 year olds in November 1995, a marginal increase over the previous 12 months. The participation rate of this age group increased from 81.9% in November 1994 to 83.3% in November 1995 while the unemployment rate increased from 11.2% to 13.3% over the same period.

TABLE 2 — EMPLOYMENT AND UNEMPLOYMENT CHANGE FOR SELECTED GROUPS, QUEENSLAND

Particulars	Employed ('000)		Annual percentage change	Unemployed ('000)		Annual percentage change
	November 1994	November 1995		November 1994	November 1995	
Males	840.6	862.5	+ 2.6	77.0	91.7	+19.1
Females	630.9	659.7	+ 4.6	56.6	59.5	+ 5.1
Persons aged (years)						
15 - 19	117.5	118.9	+ 1.2	25.7	30.2	+ 17.5
20 - 24	192.8	193.6	+ 0.4	24.4	29.7	+ 21.7
25 - 44	730.6	757.9	+ 3.7	57.9	61.9	+ 6.9
45 and over	430.6	451.8	+ 4.9	25.6	29.5	+ 15.2
Full-time workers	1,114.4	1,142.1	+ 2.5	..	..	..
Part-time workers	357.0	380.1	+ 6.5	..	..	..
Looking for full-time work	..	..	..	105.8	123.8	+ 17.0
Looking for part-time work	..	..	..	27.7	27.5	- 0.7
Queensland	1,471.5	1,522.1	+ 3.4	133.5	151.3	+ 13.3

TABLE 3 — LABOUR FORCE STATUS: ORIGINAL SERIES, QUEENSLAND

Month	Employed		Unemployed		Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
	Full-time	Total	Looking for full-time work	Total					
	'000	'000	'000	'000					
MALES									
1994 —									
September	758.7	843.6	69.6	78.1	921.7	310.1	1,231.8	8.5	74.8
October	757.0	845.6	65.9	73.9	919.4	315.4	1,234.9	8.0	74.5
November	756.1	840.6	69.4	77.0	917.5	320.4	1,237.9	8.4	74.1
December	766.2	855.7	68.3	77.7	933.4	307.6	1,241.0	8.3	75.2
1995 —									
January	759.8	837.0	77.0	87.6	924.6	319.5	1,244.1	9.5	74.3
February	759.4	846.5	79.2	89.5	935.9	311.3	1,247.3	9.6	75.0
March	756.6	851.8	77.5	88.3	940.1	310.3	1,250.4	9.4	75.2
April	763.7	856.9	75.3	86.9	943.8	309.7	1,253.5	9.2	75.3
May	755.7	848.3	80.7	94.5	942.8	313.7	1,256.6	10.0	75.0
June	765.6	860.8	73.3	85.2	945.9	313.7	1,259.6	9.0	75.1
July	766.2	860.2	71.9	85.3	945.5	317.2	1,262.7	9.0	74.9
August	760.6	857.5	73.2	83.8	941.3	324.4	1,265.7	8.9	74.4
September	769.0	870.5	79.0	90.8	961.3	307.4	1,268.7	9.4	75.8
October	759.9	858.5	83.9	92.9	951.4	320.1	1,271.5	9.8	74.8
November	765.9	862.5	82.0	91.7	954.2	320.0	1,274.2	9.6	74.9
FEMALES									
1994 —									
September	357.2	627.1	42.3	62.0	689.1	566.9	1,256.0	9.0	54.9
October	359.4	621.1	34.8	53.4	674.5	584.4	1,258.9	7.9	53.6
November	358.3	630.9	36.4	56.6	687.5	574.4	1,261.8	8.2	54.5
December	359.3	631.6	42.0	56.8	688.4	576.4	1,264.8	8.3	54.4
1995 —									
January	344.9	608.6	43.3	58.8	667.5	600.4	1,267.9	8.8	52.6
February	354.2	634.2	48.0	70.4	704.6	566.4	1,271.0	10.0	55.4
March	361.1	645.6	46.8	70.9	716.5	557.6	1,274.1	9.9	56.2
April	374.9	656.9	40.7	58.8	715.7	561.2	1,276.9	8.2	56.1
May	374.0	649.3	44.6	61.2	710.5	569.3	1,279.8	8.6	55.5
June	383.0	657.6	42.0	59.7	717.3	565.4	1,282.7	8.3	55.9
July	380.1	657.0	38.8	54.3	711.4	574.2	1,285.6	7.6	55.3
August	369.4	642.8	41.9	58.2	700.9	587.6	1,288.5	8.3	54.4
September	381.0	656.2	42.1	59.1	715.3	576.2	1,291.5	8.3	55.4
October	375.7	647.8	37.8	56.5	704.3	590.1	1,294.5	8.0	54.4
November	376.1	659.7	41.7	59.5	719.2	578.2	1,297.4	8.3	55.4
PERSONS									
1994 —									
September	1,115.9	1,470.7	111.9	140.1	1,610.8	876.9	2,487.8	8.7	64.8
October	1,116.4	1,466.7	100.6	127.3	1,594.0	899.8	2,493.8	8.0	63.9
November	1,114.4	1,471.5	105.8	133.5	1,605.0	894.8	2,499.8	8.3	64.2
December	1,125.5	1,487.3	110.3	134.5	1,621.8	884.0	2,505.8	8.3	64.7
1995 —									
January	1,104.7	1,445.6	120.3	146.5	1,592.1	919.9	2,512.0	9.2	63.4
February	1,113.5	1,480.6	127.3	159.9	1,640.5	877.7	2,518.2	9.7	65.1
March	1,117.6	1,497.4	124.3	159.2	1,656.6	867.9	2,524.5	9.6	65.6
April	1,138.6	1,513.7	116.0	145.8	1,659.5	870.9	2,530.4	8.8	65.6
May	1,129.7	1,497.6	125.3	155.7	1,653.3	883.0	2,536.4	9.4	65.2
June	1,148.6	1,518.4	115.3	144.9	1,663.3	879.1	2,542.3	8.7	65.4
July	1,146.3	1,517.2	110.7	139.7	1,656.9	891.4	2,548.3	8.4	65.0
August	1,130.0	1,500.3	115.1	141.9	1,642.2	912.0	2,554.2	8.6	64.3
September	1,150.0	1,526.8	121.1	149.9	1,676.7	883.6	2,560.2	8.9	65.5
October	1,135.7	1,506.3	121.7	149.4	1,655.7	910.2	2,565.9	9.0	64.5
November	1,142.1	1,522.1	123.8	151.3	1,673.4	898.2	2,571.6	9.0	65.1

TABLE 4 — LABOUR FORCE STATUS: SEASONALLY ADJUSTED SERIES, QUEENSLAND

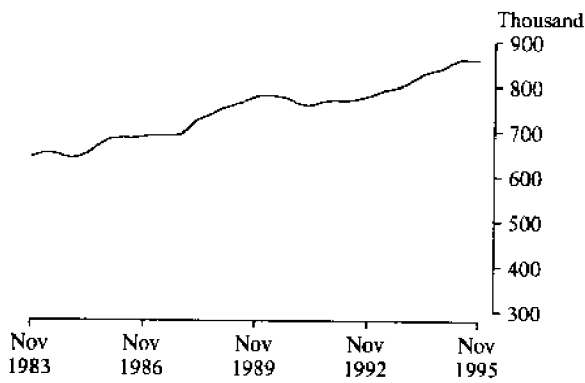
	<i>Employed</i>	<i>Unemployed</i>	<i>Labour force</i>	<i>Unemployment rate</i>	<i>Participation rate</i>
<i>Month</i>	'000	'000	'000	%	%
MALES					
1994 —					
September	835.7	84.2	919.8	9.2	74.7
October	837.1	83.7	920.8	9.1	74.6
November	839.9	83.4	923.3	9.0	74.6
December	841.7	78.8	920.5	8.6	74.2
1995					
January	844.2	78.9	923.1	8.5	74.2
February	852.2	82.2	934.4	8.8	74.9
March	854.9	82.9	937.8	8.8	75.0
April	864.0	81.2	945.2	8.6	75.4
May	856.6	90.4	947.0	9.5	75.4
June	859.6	85.5	945.1	9.0	75.0
July	857.8	87.5	945.3	9.3	74.9
August	861.2	90.2	951.4	9.5	75.2
September	862.5	97.7	960.2	10.2	75.7
October	849.7	105.4	955.2	11.0	75.1
November	861.8	99.3	961.1	10.3	75.4
FEMALES					
1994 —					
September	616.6	62.5	679.1	9.2	54.1
October	617.9	59.5	677.4	8.8	53.8
November	625.1	61.1	686.2	8.9	54.4
December	624.3	55.5	679.8	8.2	53.8
1995					
January	626.5	57.9	684.4	8.5	54.0
February	641.0	61.9	702.9	8.8	55.3
March	644.8	64.0	708.8	9.0	55.6
April	655.7	57.2	712.9	8.0	55.8
May	647.1	63.3	710.4	8.9	55.5
June	656.4	61.7	718.1	8.6	56.0
July	660.1	55.0	715.1	7.7	55.6
August	647.9	61.2	709.0	8.6	55.0
September	645.2	59.6	704.8	8.5	54.6
October	644.4	63.0	707.4	8.9	54.6
November	653.7	64.2	717.9	8.9	55.3
PERSONS					
1994					
September	1,452.3	146.7	1,598.9	9.2	64.3
October	1,455.0	143.2	1,598.3	9.0	64.1
November	1,464.9	144.5	1,609.5	9.0	64.4
December	1,466.0	134.3	1,600.3	8.4	63.9
1995 —					
January	1,470.7	136.8	1,607.4	8.5	64.0
February	1,493.2	144.1	1,637.3	8.8	65.0
March	1,499.7	146.8	1,646.6	8.9	65.2
April	1,519.7	138.4	1,658.1	8.3	65.5
May	1,503.7	153.7	1,657.4	9.3	65.3
June	1,516.0	147.2	1,663.2	8.9	65.4
July	1,517.9	142.5	1,660.4	8.6	65.2
August	1,509.1	151.4	1,660.5	9.1	65.0
September	1,507.6	157.3	1,665.0	9.5	65.0
October	1,494.1	168.5	1,662.6	10.1	64.8
November	1,515.5	163.5	1,679.0	9.7	65.3

TABLE 5 — LABOUR FORCE STATUS: TREND SERIES, QUEENSLAND

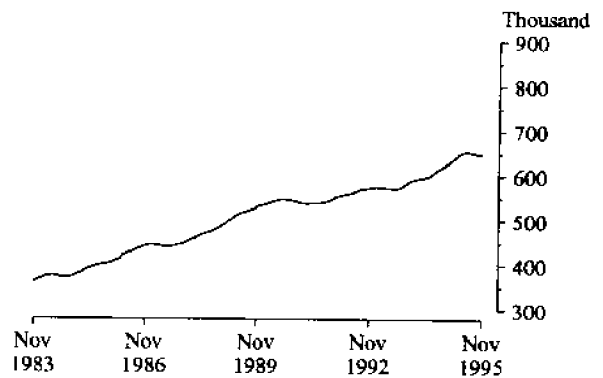
Month	Employed	Unemployed	Labour force	Unemployment rate	Participation rate
	'000	'000	'000	%	%
MALES					
1994 —					
September	836.0	82.8	918.8	9.0	74.6
October	837.4	82.6	920.0	9.0	74.5
November	839.6	81.8	921.5	8.9	74.4
December	842.9	81.0	924.0	8.8	74.5
1995					
January	847.0	80.8	927.7	8.7	74.6
February	851.2	81.2	932.4	8.7	74.8
March	854.9	82.2	937.2	8.8	75.0
April	857.9	83.5	941.4	8.9	75.1
May	859.6	85.1	944.8	9.0	75.2
June	860.0	87.3	947.3	9.2	75.2
July	859.5	89.9	949.5	9.5	75.2
August	859.0	93.1	952.0	9.8	75.2
September	858.5	96.3	954.8	10.1	75.3
October	858.1	99.3	957.4	10.4	75.3
November	858.2	101.5	959.7	10.6	75.3
FEMALES					
1994					
September	613.5	60.7	674.2	9.0	53.7
October	617.8	59.8	677.7	8.8	53.8
November	622.2	59.3	681.5	8.7	54.0
December	627.1	59.1	686.2	8.6	54.3
1995 —					
January	632.5	59.5	691.9	8.6	54.6
February	638.4	60.1	698.6	8.6	55.0
March	644.6	60.7	705.3	8.6	55.4
April	649.9	60.9	710.8	8.6	55.7
May	653.2	60.6	713.7	8.5	55.8
June	653.8	60.0	713.9	8.4	55.7
July	652.6	59.8	712.4	8.4	55.4
August	651.0	60.1	711.1	8.5	55.2
September	649.6	60.8	710.4	8.6	55.0
October	648.5	61.7	710.2	8.7	54.9
November	648.2	62.4	710.6	8.8	54.8
PERSONS					
1994 —					
September	1,449.5	143.5	1,593.0	9.0	64.0
October	1,455.2	142.4	1,597.6	8.9	64.1
November	1,461.8	141.1	1,602.9	8.8	64.1
December	1,470.0	140.2	1,610.2	8.7	64.3
1995 —					
January	1,479.4	140.2	1,619.7	8.7	64.5
February	1,489.6	141.3	1,631.0	8.7	64.8
March	1,499.5	143.0	1,642.5	8.7	65.1
April	1,507.8	144.4	1,652.2	8.7	65.3
May	1,512.8	145.7	1,658.5	8.8	65.4
June	1,513.8	147.3	1,661.2	8.9	65.3
July	1,512.2	149.7	1,661.9	9.0	65.2
August	1,510.0	153.2	1,663.1	9.2	65.1
September	1,508.1	157.1	1,665.2	9.4	65.0
October	1,506.6	161.0	1,667.6	9.7	65.0
November	1,506.3	163.9	1,670.2	9.8	64.9

DIAGRAM 4 - LABOUR FORCE STATUS: TREND SERIES, QUEENSLAND,
NOVEMBER 1983 TO NOVEMBER 1995

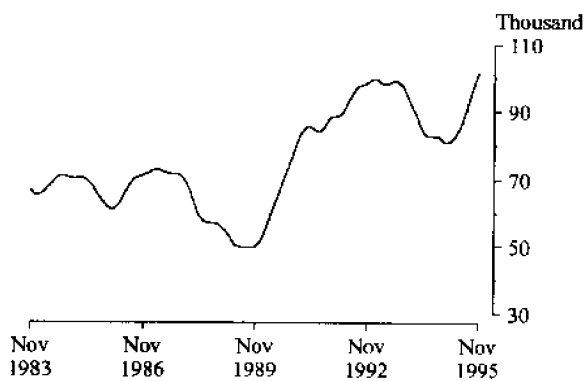
EMPLOYED MALES



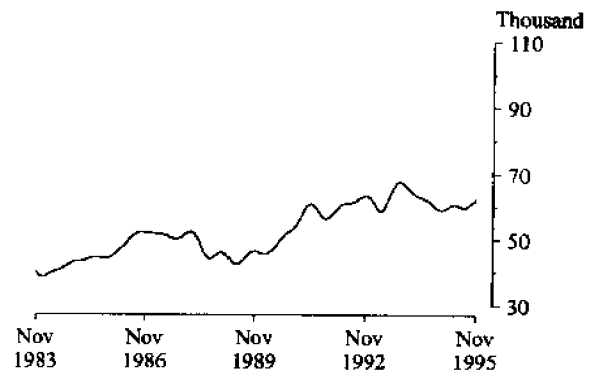
EMPLOYED FEMALES



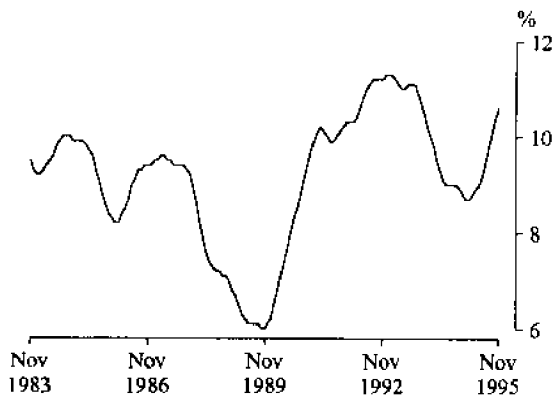
UNEMPLOYED MALES



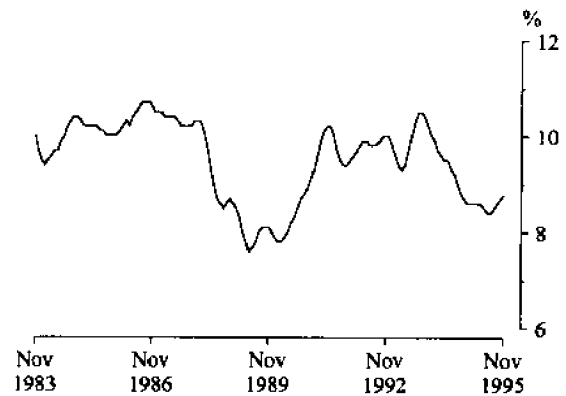
UNEMPLOYED FEMALES



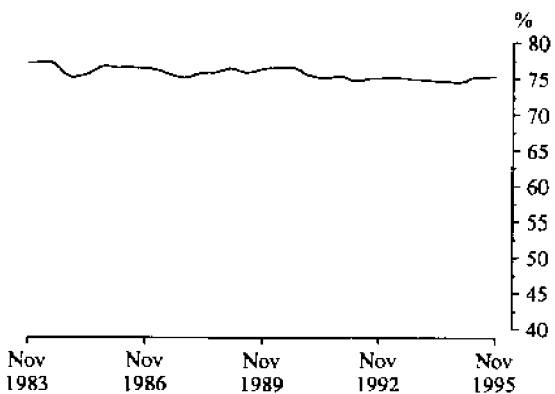
MALE UNEMPLOYMENT RATE



FEMALE UNEMPLOYMENT RATE



MALE PARTICIPATION RATE



FEMALE PARTICIPATION RATE

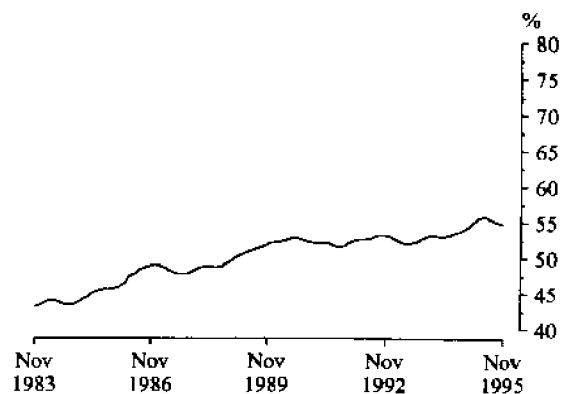


TABLE 6 — LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, SEPTEMBER 1995

Region	Employed			Unemployed	Labour force	Unemployment rate	Participation rate
	Full-time	Part-time	Total				
	'000	'000	'000	'000	'000	%	%
MALES							
<i>Brisbane</i>	352.5	51.6	404.1	40.4	444.5	9.1	77.0
Brisbane City Inner Ring	84.4	14.6	99.0	8.4	107.3	7.8	73.9
Brisbane City Outer Ring	105.4	16.5	121.9	9.1	131.0	6.9	74.2
South and East BSD Balance	63.6	8.5	72.2	10.6	82.7	12.8	82.0
North and West BSD Balance	99.1	11.9	111.0	12.4	123.4	10.0	79.8
<i>Balance of Queensland</i>	416.5	50.0	466.5	50.4	516.9	9.8	74.8
South and East Moreton	73.8	14.4	88.1	9.1	97.3	9.4	74.3
North and West Moreton	54.2	11.8	66.0	8.0	74.0	10.9	72.5
Wide Bay-Burnett	41.9	4.7	46.6	9.6	56.2	17.0	66.6
Darling Downs and South-West	57.7	3.6	61.3	4.9	66.2	7.3	74.9
Mackay, Fitzroy and Central-West	75.8	6.2	82.1	10.4	92.5	11.3	75.4
Northern and North-West	54.6	3.0	57.6	3.7	61.3	6.0	79.7
Far North	58.4	6.3	64.7	4.7	69.4	6.7	80.8
Queensland	769.0	101.6	870.5	90.8	961.3	9.4	75.8
FEMALES							
<i>Brisbane</i>	193.8	121.3	315.1	27.4	342.5	8.0	57.0
Brisbane City Inner Ring	62.1	28.3	90.4	6.7	97.2	6.9	60.0
Brisbane City Outer Ring	54.3	36.6	90.9	5.8	96.7	6.0	52.8
South and East BSD Balance	31.0	24.1	55.1	5.8	60.9	9.5	59.3
North and West BSD Balance	46.3	32.3	78.7	9.1	87.8	10.3	57.1
<i>Balance of Queensland</i>	187.2	153.9	341.1	31.7	372.9	8.5	54.0
South and East Moreton	38.1	33.1	71.2	7.3	78.4	9.3	56.7
North and West Moreton	24.9	21.4	46.3	4.7	51.0	9.2	50.1
Wide Bay-Burnett	16.0	18.1	34.1	5.7	39.8	14.4	48.2
Darling Downs and South-West	24.3	17.9	42.3	3.4	45.7	7.4	53.2
Mackay, Fitzroy and Central-West	33.0	23.3	56.4	3.5	59.8	5.8	49.6
Northern and North-West	24.3	16.8	41.1	4.5	45.6	9.8	58.4
Far North	26.5	23.3	49.8	* 2.7	52.6	* 5.2	63.4
Queensland	381.0	275.2	656.2	59.1	715.3	8.3	55.4
PERSONS							
<i>Brisbane</i>	546.3	172.9	719.2	67.7	786.9	8.6	66.8
Brisbane City Inner Ring	146.5	42.9	189.4	15.1	204.5	7.4	66.6
Brisbane City Outer Ring	159.8	53.1	212.8	14.8	227.7	6.5	63.3
South and East BSD Balance	94.7	32.6	127.3	16.3	143.6	11.4	70.6
North and West BSD Balance	145.4	44.3	189.7	21.5	211.2	10.2	68.5
<i>Balance of Queensland</i>	603.7	203.9	807.6	82.1	889.7	9.2	64.4
South and East Moreton	111.9	47.4	159.3	16.4	175.7	9.3	65.3
North and West Moreton	79.0	33.3	112.3	12.7	125.0	10.2	61.3
Wide Bay-Burnett	57.9	22.8	80.7	15.3	96.0	15.9	57.5
Darling Downs and South-West	82.1	21.5	103.6	8.3	111.9	7.4	64.2
Mackay, Fitzroy and Central-West	108.9	29.6	138.5	13.9	152.4	9.1	62.6
Northern and North-West	79.0	19.8	98.7	8.2	106.9	7.6	69.0
Far North	85.0	29.6	114.6	7.4	122.0	6.1	72.2
Queensland	1,150.0	376.8	1,526.8	149.9	1,676.7	8.9	65.5

TABLE 7 — LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, OCTOBER 1995

Region	Employed			Unemployed	Labour force	Unemployment rate	Participation rate
	Full-time	Part-time	Total				
	'000	'000	'000	'000	'000	%	%
MALES							
<i>Brisbane</i>	349.6	51.2	400.8	39.9	440.7	9.0	76.2
Brisbane City Inner Ring	84.2	13.7	97.9	6.6	104.5	6.3	72.7
Brisbane City Outer Ring	101.9	15.4	117.3	12.1	129.4	9.3	73.7
South and East BSD Balance	62.1	8.1	70.2	8.2	78.4	10.5	79.0
North and West BSD Balance	101.4	14.1	115.4	13.0	128.4	10.1	80.4
<i>Balance of Queensland</i>	410.3	47.3	457.7	53.0	510.7	10.4	73.7
South and East Moreton	70.7	12.0	82.7	9.3	92.0	10.1	70.4
North and West Moreton	54.8	10.3	65.1	10.1	75.2	13.4	73.1
Wide Bay-Burnett	40.9	6.3	47.3	10.0	57.2	17.4	66.1
Darling Downs and South-West	57.8	4.8	62.5	5.2	67.8	7.7	76.5
Mackay, Fitzroy and Central-West	74.9	5.5	80.4	11.7	92.1	12.7	75.2
Northern and North-West	53.6	3.9	57.4	2.6	60.1	4.4	78.1
Far North	57.6	4.6	62.2	4.1	66.3	6.2	77.9
Queensland	759.9	98.6	858.5	92.9	951.4	9.8	74.8
FEMALES							
<i>Brisbane</i>	187.7	125.3	313.0	23.1	336.2	6.9	55.8
Brisbane City Inner Ring	61.2	27.5	88.7	4.5	93.2	4.8	57.8
Brisbane City Outer Ring	52.3	43.6	95.8	6.4	102.3	6.3	55.1
South and East BSD Balance	28.7	24.4	53.1	6.1	59.2	10.3	59.2
North and West BSD Balance	45.5	29.8	75.4	6.1	81.5	7.5	52.4
<i>Balance of Queensland</i>	188.0	146.8	334.8	33.4	368.2	9.1	53.2
South and East Moreton	35.2	30.7	65.9	6.3	72.2	8.7	53.8
North and West Moreton	25.6	20.5	46.1	6.0	52.0	11.4	51.8
Wide Bay-Burnett	17.5	16.7	34.2	6.1	40.3	15.2	47.4
Darling Downs and South-West	22.2	18.0	40.2	* 2.7	42.8	* 6.2	50.6
Mackay, Fitzroy and Central-West	33.9	24.3	58.2	5.4	63.6	8.5	51.4
Northern and North-West	26.1	13.6	39.6	3.5	43.1	8.2	54.8
Far North	27.7	23.0	50.6	3.3	54.0	6.2	63.2
Queensland	375.7	272.1	647.8	56.5	704.3	8.0	54.4
PERSONS							
<i>Brisbane</i>	537.3	176.6	713.9	63.0	776.9	8.1	65.8
Brisbane City Inner Ring	145.4	41.2	186.6	11.1	197.7	5.6	64.8
Brisbane City Outer Ring	154.2	58.9	213.1	18.5	231.6	8.0	64.2
South and East BSD Balance	90.8	32.5	123.3	14.3	137.6	10.4	69.0
North and West BSD Balance	146.9	43.9	190.8	19.1	209.9	9.1	66.6
<i>Balance of Queensland</i>	598.3	194.1	792.5	86.4	878.9	9.8	63.4
South and East Moreton	105.9	42.7	148.6	15.6	164.2	9.5	62.0
North and West Moreton	80.3	30.8	111.2	16.0	127.2	12.6	62.5
Wide Bay-Burnett	58.4	23.1	81.5	16.1	97.6	16.5	56.9
Darling Downs and South-West	79.9	22.8	102.7	7.9	110.6	7.1	63.9
Mackay, Fitzroy and Central-West	108.9	29.7	138.6	17.2	155.8	11.0	63.3
Northern and North-West	79.6	17.4	97.0	6.2	103.2	6.0	66.3
Far North	85.3	27.6	112.8	7.4	120.2	6.2	70.5
Queensland	1,135.7	370.7	1,506.3	149.4	1,655.7	9.0	64.5

TABLE 8 — LABOUR FORCE STATUS: STATISTICAL REGIONS, QUEENSLAND, NOVEMBER 1995

Region	Employed			Unemployed '000	Labour force '000	Unem- ployment rate %	Partici- pation rate %
	Full-time	Part-time	Total				
	'000	'000	'000				
MALES							
Brisbane	358.1	47.2	405.3	37.6	442.9	8.5	76.5
Brisbane City Inner Ring	83.5	13.1	96.6	5.4	102.0	5.3	72.0
Brisbane City Outer Ring	107.3	14.4	121.7	9.9	131.6	7.5	75.5
South and East BSD Balance	64.1	7.4	71.5	9.1	80.5	11.2	79.9
North and West BSD Balance	103.2	12.2	115.5	13.3	128.8	10.3	79.4
Balance of Queensland	407.8	49.4	457.2	54.1	511.3	10.6	73.6
South and East Moreton	75.5	11.1	86.6	8.8	95.5	9.3	73.4
North and West Moreton	52.8	10.8	63.6	11.8	75.4	15.6	73.3
Wide Bay-Burnett	42.1	5.9	48.0	9.6	57.6	16.7	64.8
Darling Downs and South-West	57.9	4.4	62.3	6.2	68.5	9.1	76.1
Mackay, Fitzroy and Central-West	73.3	7.6	80.9	9.2	90.1	10.2	72.9
Northern and North-West	53.6	3.8	57.3	4.7	62.0	7.5	78.6
Far North	52.6	5.9	58.5	3.7	62.2	6.0	77.1
Queensland	765.9	96.5	862.5	91.7	954.2	9.6	74.9
FEMALES							
Brisbane	184.0	132.3	316.2	27.0	343.3	7.9	56.9
Brisbane City Inner Ring	55.2	26.5	81.7	6.7	88.5	7.6	56.5
Brisbane City Outer Ring	56.6	42.3	98.9	6.1	105.0	5.8	56.8
South and East BSD Balance	30.4	24.1	54.5	6.0	60.5	10.0	60.4
North and West BSD Balance	41.8	39.3	81.1	8.2	89.3	9.2	55.3
Balance of Queensland	192.2	151.3	343.5	32.5	376.0	8.6	54.2
South and East Moreton	39.7	33.8	73.5	5.4	78.9	6.8	56.4
North and West Moreton	24.3	20.4	44.7	5.2	49.9	10.5	50.1
Wide Bay-Burnett	18.0	17.3	35.3	6.6	41.9	15.8	47.2
Darling Downs and South-West	24.5	15.4	39.8	3.0	42.9	7.1	49.3
Mackay, Fitzroy and Central-West	33.9	27.7	61.6	5.2	66.8	7.8	54.3
Northern and North-West	24.5	15.2	39.7	2.8	42.5	6.6	56.5
Far North	27.3	21.6	48.9	4.3	53.2	8.0	65.7
Queensland	376.1	283.5	659.7	59.5	719.2	8.3	55.4
PERSONS							
Brisbane	542.1	179.4	721.5	64.7	786.2	8.2	66.5
Brisbane City Inner Ring	138.7	39.7	178.4	12.1	190.5	6.4	63.9
Brisbane City Outer Ring	163.8	56.7	220.6	16.0	236.6	6.8	65.8
South and East BSD Balance	94.5	31.4	126.0	15.1	141.1	10.7	70.2
North and West BSD Balance	145.0	51.6	196.6	21.4	218.0	9.8	67.3
Balance of Queensland	600.0	200.7	800.7	86.6	887.2	9.8	63.9
South and East Moreton	115.2	44.9	160.1	14.2	174.4	8.2	64.6
North and West Moreton	77.1	31.2	108.3	17.0	125.3	13.5	61.9
Wide Bay-Burnett	60.1	23.1	83.2	16.2	99.5	16.3	56.0
Darling Downs and South-West	82.4	19.8	102.1	9.2	111.4	8.3	62.9
Mackay, Fitzroy and Central-West	107.2	35.3	142.5	14.4	156.9	9.2	63.6
Northern and North-West	78.0	18.9	97.0	7.5	104.5	7.2	67.8
Far North	80.0	27.4	107.4	8.0	115.4	6.9	71.4
Queensland	1,142.1	380.1	1,522.1	151.3	1,673.4	9.0	65.1

TABLE 9 — LABOUR FORCE STATUS: AGE BY MAJOR STATISTICAL REGION, QUEENSLAND, NOVEMBER 1995

Age group (years)	Employed			Unemployed	Labour force	Unemployment rate	Participation rate
	Full-time	Part-time	Total				
	'000	'000	'000	'000	'000	%	%
BRISBANE MAJOR STATISTICAL REGION							
15-24	97.7	57.5	155.2	27.6	182.9	15.1	73.3
15-19	20.3	35.7	56.0	13.5	69.6	19.5	61.1
20-24	77.4	21.8	99.2	14.1	113.3	12.4	83.6
25-44	281.4	74.9	356.2	25.2	381.4	6.6	81.8
45 and over	163.0	47.0	210.1	11.9	221.9	5.3	47.6
Total	542.1	179.4	721.5	64.7	786.2	8.2	66.5
BALANCE OF QUEENSLAND							
15-24	100.4	56.9	157.3	32.2	189.5	17.0	72.6
15-19	27.3	35.5	62.9	16.6	79.5	20.9	61.9
20-24	73.0	21.4	94.4	15.6	110.0	14.1	83.0
25-44	313.4	88.3	401.7	36.7	438.4	8.4	81.0
45 and over	186.2	55.5	241.7	17.7	259.4	6.8	44.1
Total	600.0	200.7	800.7	86.6	887.2	9.8	63.9
QUEENSLAND							
15-24	198.1	114.4	312.5	59.8	372.3	16.1	73.0
15-19	47.6	71.3	118.9	30.2	149.0	20.2	61.5
20-24	150.5	43.2	193.6	29.7	223.3	13.3	83.3
25-44	594.8	163.1	757.9	61.9	819.8	7.6	81.4
45 and over	349.2	102.5	451.8	29.5	481.3	6.1	45.7
Total	1,142.1	380.1	1,522.1	151.3	1,673.4	9.0	65.1

DIAGRAM 5 - UNEMPLOYMENT RATE BY AGE, QUEENSLAND

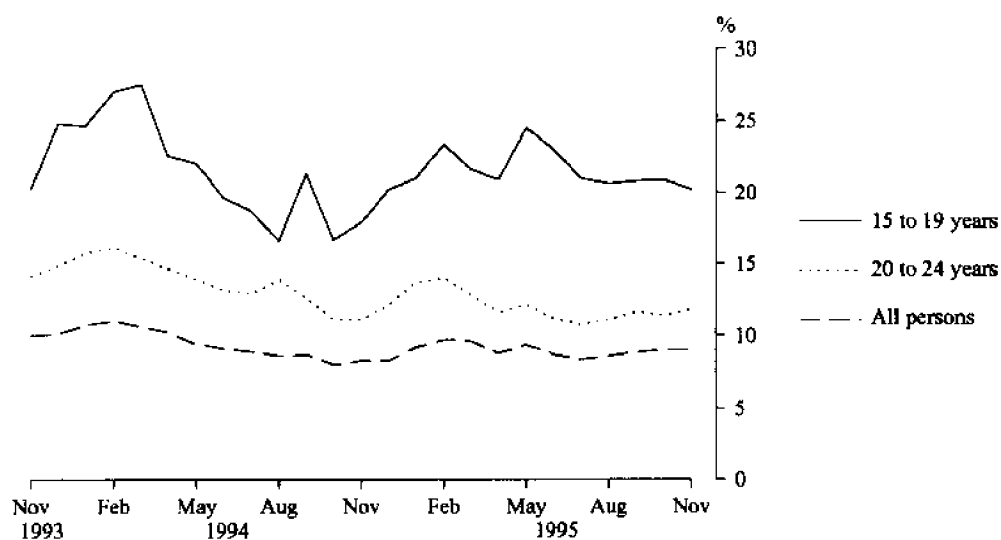


TABLE 10 — LABOUR FORCE STATUS: PERSONS AGED 15 TO 19 YEARS BY FULL-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION, QUEENSLAND, NOVEMBER 1995

Sex	Employed			Unemployed	Labour force	Not in labour force	Civilian population aged 15 to 19 years	Unemployment rate	Participation rate
	Full-time	Part-time	Total						
	'000	'000	'000	'000	'000	'000	'000	%	%
ATTENDING NEITHER SCHOOL NOR A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME									
Males	30.9	6.3	37.2	10.5	47.8	* 3.1	50.9	22.1	93.8
Females	15.7	8.9	24.5	8.3	32.8	6.3	39.1	25.3	83.9
Persons	46.6	15.2	61.7	18.9	80.6	9.5	90.0	23.4	89.5
ATTENDING A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME									
Males	* 0.4	5.3	5.7	* 1.5	7.1	8.0	15.1	* 20.5	47.3
Females	* 0.5	10.3	10.8	* 1.5	12.3	7.0	19.3	* 12.3	63.7
Persons	* 0.9	15.6	16.5	* 3.0	19.4	15.0	34.4	* 15.3	56.5
ATTENDING SCHOOL									
Males	* 0.2	18.0	18.2	5.0	23.2	35.0	58.2	21.6	39.8
Females	* 0.0	22.5	22.5	* 3.3	25.8	33.7	59.5	* 12.8	43.4
Persons	* 0.2	40.5	40.7	8.3	49.0	68.7	117.7	17.0	41.6
TOTAL									
Males	31.5	29.6	61.1	17.0	78.1	46.2	124.2	21.8	62.9
Females	16.1	41.7	57.8	13.1	70.9	47.0	117.9	18.5	60.2
Persons	47.6	71.3	118.9	30.2	149.0	93.1	242.2	20.2	61.5

TABLE 11 — LABOUR FORCE STATUS: PERSONS AGED 20 TO 24 YEARS BY FULL-TIME ATTENDANCE AT A TERTIARY INSTITUTION, QUEENSLAND, NOVEMBER 1995

Sex	Employed			Unemployed	Labour force	Not in labour force	Civilian population aged 20 to 24 years	Unemployment rate	Participation rate
	Full-time	Part-time	Total						
	'000	'000	'000	'000	'000	'000	'000	%	%
NOT ATTENDING A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME									
Males	86.9	6.3	93.3	18.8	112.0	* 3.1	115.1	16.8	97.3
Females	62.8	19.9	82.7	9.6	92.3	19.4	111.7	10.4	82.6
Persons	149.7	26.3	176.0	28.3	204.3	22.5	226.8	13.9	90.1
ATTENDING A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME									
Males	* 0.3	7.0	7.2	* 0.8	8.0	12.9	20.9	* 9.6	38.3
Females	* 0.5	9.9	10.4	* 0.6	11.0	9.4	20.4	* 5.2	54.0
Persons	* 0.8	16.9	17.7	* 1.3	19.0	22.3	41.3	* 7.0	46.0
TOTAL									
Males	87.2	13.3	100.5	19.5	120.0	16.0	136.0	16.3	88.2
Females	63.3	29.9	93.1	10.1	103.3	28.8	132.1	9.8	78.2
Persons	150.5	43.2	193.6	29.7	223.3	44.8	268.1	13.3	83.3

TABLE 12 — EMPLOYED PERSONS: FULL-TIME OR PART-TIME STATUS, QUEENSLAND

Month	Females									
	Males		Married		Not married		Total		Persons	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time
'000										
1994 —										
September	758.7	84.9	206.5	183.3	150.7	86.6	357.2	269.9	1,115.9	354.8
October	757.0	88.6	217.3	172.6	142.1	89.1	359.4	261.7	1,116.4	350.3
November	756.1	84.4	211.2	179.0	147.1	93.6	358.3	272.6	1,114.4	357.0
December	766.2	89.5	214.4	176.4	144.9	95.9	359.3	272.3	1,125.5	361.7
1995 —										
January	759.8	77.1	203.7	165.3	141.2	98.5	344.9	263.7	1,104.7	340.9
February	759.4	87.1	204.4	177.3	149.8	102.7	354.2	280.0	1,113.5	367.1
March	756.6	95.2	212.7	183.2	148.4	101.3	361.1	284.6	1,117.6	379.7
April	763.7	93.1	224.3	180.9	150.6	101.1	374.9	282.0	1,138.6	375.1
May	755.7	92.7	219.5	181.4	154.5	93.9	374.0	275.3	1,129.7	368.0
June	765.6	95.1	228.2	176.1	154.8	98.6	383.0	274.6	1,148.6	369.8
July	766.2	94.0	220.3	182.3	159.9	94.6	380.1	276.9	1,146.3	370.9
August	760.6	96.9	212.7	181.6	156.7	91.8	369.4	273.4	1,130.0	370.3
September	769.0	101.6	218.2	183.7	162.9	91.5	381.0	275.2	1,150.0	376.8
October	759.9	98.6	219.2	178.4	156.6	93.7	375.7	272.1	1,135.7	370.7
November	765.9	96.5	225.6	188.6	150.5	94.9	376.1	283.5	1,142.1	380.1
PER CENT (a)										
1994 —										
September	89.9	10.1	53.0	47.0	63.5	36.5	57.0	43.0	75.9	24.1
October	89.5	10.5	55.7	44.3	61.5	38.5	57.9	42.1	76.1	23.9
November	90.0	10.0	54.1	45.9	61.1	38.9	56.8	43.2	75.7	24.3
December	89.5	10.5	54.9	45.1	60.2	39.8	56.9	43.1	75.7	24.3
1995 —										
January	90.8	9.2	55.2	44.8	58.9	41.1	56.7	43.3	76.4	23.6
February	89.7	10.3	53.6	46.4	59.3	40.7	55.8	44.2	75.2	24.8
March	88.8	11.2	53.7	46.3	59.4	40.6	55.9	44.1	74.6	25.4
April	89.1	10.9	55.4	44.6	59.8	40.2	57.1	42.9	75.2	24.8
May	89.1	10.9	54.8	45.2	62.2	37.8	57.6	42.4	75.4	24.6
June	88.9	11.1	56.4	43.6	61.1	38.9	58.2	41.8	75.6	24.4
July	89.1	10.9	54.7	45.3	62.8	37.2	57.9	42.1	75.6	24.4
August	88.7	11.3	53.9	46.1	63.1	36.9	57.5	42.5	75.3	24.7
September	88.3	11.7	54.3	45.7	64.0	36.0	58.1	41.9	75.3	24.7
October	88.5	11.5	55.1	44.9	62.6	37.4	58.0	42.0	75.4	24.6
November	88.8	11.2	54.5	45.5	61.3	38.7	57.0	43.0	75.0	25.0

(a) Full-time and part-time as a proportion of employed persons in each category.

**TABLE 13 — EMPLOYED PERSONS: AVERAGE HOURS WORKED BY STATUS IN EMPLOYMENT,
INDUSTRY DIVISION AND OCCUPATION GROUP,
QUEENSLAND, NOVEMBER 1995**

<i>Status in employment, industry division and occupation group</i>	<i>Females</i>				<i>Persons</i>
	<i>Males</i>	<i>Married</i>	<i>Not married</i>	<i>Total</i>	
Status in employment					
Employers	53.8	37.8	42.8	38.3	49.0
Own account workers	47.0	30.7	32.5	31.1	41.8
Employees	40.0	29.5	29.8	29.7	35.3
Contributing family workers	20.8	13.0	20.2	15.0	17.1
Industry division					
Agriculture, forestry and fishing	53.4	33.8	30.2	33.3	46.9
Mining	46.3	* 34.7	* 54.3	44.5	46.0
Manufacturing	40.4	29.0	34.7	30.8	38.1
Electricity, gas and water supply	36.2	24.6	* 43.5	30.1	35.0
Construction	42.3	20.8	* 23.9	21.0	39.2
Wholesale trade	44.4	29.2	38.9	31.9	40.6
Retail trade	37.1	31.4	23.8	27.6	32.0
Accommodation, cafes and restaurants	42.9	34.9	24.5	29.9	35.1
Transport and storage	45.7	30.6	37.4	33.1	42.7
Communication services	38.3	30.0	34.2	31.3	36.2
Finance and insurance	41.5	32.1	32.9	32.4	36.5
Property and business services	41.7	29.6	33.3	30.8	36.9
Government administration and defence	36.5	28.2	37.5	31.7	34.4
Education	39.0	32.5	33.4	32.8	34.8
Health and community services	39.7	26.4	31.0	28.1	31.0
Cultural and recreational services	39.4	28.6	28.7	28.7	33.8
Personal and other services	37.9	28.1	30.5	29.1	33.2
Occupation group					
Managers and administrators	54.2	44.4	40.0	43.7	51.6
Professionals	42.3	32.6	36.5	33.9	38.5
Para-professionals	39.6	29.2	30.8	29.9	35.2
Tradespersons	41.5	33.2	33.8	33.4	40.6
Clerks	37.9	27.6	34.5	29.7	31.3
Salespersons and personal service workers	38.6	29.1	24.9	27.0	31.0
Plant and machine operators and drivers	43.0	35.2	35.6	35.3	42.3
Labourers and related workers	35.4	24.5	26.3	25.1	31.7
Full-time workers	45.1	41.1	39.9	40.6	43.6
Part-time workers	14.4	16.4	14.2	15.7	15.3
Total	41.7	29.8	30.0	29.9	36.6

TABLE 14 — EMPLOYED PERSONS: STATUS IN EMPLOYMENT, INDUSTRY DIVISION AND OCCUPATION GROUP, QUEENSLAND, NOVEMBER 1995
(*000)

Particulars	Males	Females			Persons
		Married	Not married	Total	
Status in employment					
Employers	51.8	20.9	* 2.5	23.4	75.2
Own account workers	111.2	44.4	10.2	54.5	165.7
Employees	694.5	342.9	230.4	573.3	1,267.9
Contributing family workers	4.9	6.1	* 2.3	8.4	13.4
Industry division					
Agriculture, forestry and fishing	60.8	25.1	3.8	28.9	89.7
Mining	13.8	* 1.3	* 1.3	* 2.6	16.4
Manufacturing	142.0	29.7	13.1	42.7	184.7
Electricity, gas and water supply	11.6	* 2.1	* 0.9	* 3.0	14.6
Construction	112.7	18.2	* 1.0	19.2	131.9
Wholesale trade	56.9	18.1	7.0	25.1	82.0
Retail trade	107.4	63.1	62.8	125.9	233.3
Accommodation, cafes and restaurants	32.1	25.9	23.2	49.1	81.1
Transport and storage	57.8	11.6	6.8	18.4	76.2
Communication services	16.2	4.8	* 2.3	7.1	23.2
Finance and insurance	19.5	15.6	8.4	24.0	43.5
Property and business services	82.8	43.4	21.1	64.5	147.4
Government administration and defence	38.7	18.9	11.4	30.3	69.0
Education	34.6	49.1	23.8	72.9	107.5
Health and community services	33.2	61.9	36.6	98.4	131.6
Cultural and recreational services	16.9	8.2	10.1	18.3	35.2
Personal and other services	25.6	17.2	12.0	29.2	54.8
Occupation group					
Managers and administrators	111.9	32.1	5.9	38.0	149.9
Professionals	104.2	57.3	29.1	86.5	190.7
Para-professionals	42.3	18.6	16.4	35.1	77.4
Tradespersons	198.5	14.1	8.6	22.7	221.2
Clerks	50.5	138.5	58.0	196.4	246.9
Salespersons and personal service workers	92.4	86.4	91.1	177.4	269.8
Plant and machine operators and drivers	100.1	6.7	* 3.1	9.8	109.9
Labourers and related workers	162.5	60.5	33.3	93.8	256.3
Total	862.5	414.3	245.4	659.7	1,522.1

TABLE 15 — EMPLOYED PERSONS: INDUSTRY DIVISION BY OCCUPATION GROUP, QUEENSLAND, NOVEMBER 1995
(*000)

Industry division	Occupation group								Total
	Managers and administrators	Professionals	Para-professionals	Tradespersons	Clerks	Salespersons and personal service workers	Plant and machine operators and drivers	Labourers and related workers	
Agriculture, forestry and fishing	45.9	* 0.7	* 2.0	* 3.0	4.4	* 0.4	4.6	28.7	89.7
Mining	* 0.7	* 2.4	* 0.9	* 2.9	* 1.6	* 0.2	4.1	3.6	16.4
Manufacturing	13.1	8.0	* 2.9	56.6	17.4	8.9	28.6	49.1	184.7
Electricity, gas and water	* 0.2	* 2.1	* 1.3	* 2.1	* 2.8	* 0.4	* 2.7	* 2.9	14.6
Construction	14.3	* 3.0	* 2.8	64.8	17.1	* 0.6	11.0	18.3	131.9
Wholesale trade	11.1	3.7	* 1.3	7.8	17.7	22.5	5.3	12.6	82.0
Retail trade	20.8	4.0	* 0.4	32.2	22.2	114.5	6.1	33.0	233.3
Accommodation, cafes and restaurants	12.3	* 0.7	* 1.1	11.9	5.9	30.0	* 0.5	18.8	81.1
Transport and storage	4.0	* 2.2	3.7	4.0	13.3	7.3	33.8	8.0	76.2
Communication services	* 1.3	* 2.7	* 0.7	5.6	9.2	* 1.6	* 2.2	* 0.0	23.2
Finance and insurance	5.9	* 1.8	* 0.7	* 0.7	17.7	16.5	* 0.2	* 0.0	43.5
Property and business services	8.0	35.2	6.3	7.1	36.8	19.7	* 2.0	32.4	147.4
Government administration and defence	4.5	12.2	6.9	3.6	26.5	* 1.1	4.3	9.8	69.0
Education	* 2.8	67.5	* 1.3	* 2.0	24.6	4.7	* 0.0	4.7	107.5
Health and community services	* 1.8	28.5	30.7	4.4	19.0	27.0	* 0.0	20.4	131.6
Cultural and recreational services	* 1.7	8.9	4.8	* 3.2	3.6	6.8	* 0.6	5.7	35.2
Personal and other services	* 1.5	7.2	9.4	9.4	7.4	7.7	3.8	8.4	54.8
Total	149.9	190.7	77.4	221.2	246.9	269.8	109.9	256.3	1,522.1

TABLE 16 — UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT, BRISBANE MAJOR STATISTICAL REGION

Duration of unemployment	1994			1995		
	September	October	November	September	October	November
MALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	5.6	4.9	6.0	7.2	7.6	4.6
4 and under 8 weeks	3.8	* 2.8	4.3	4.8	6.5	4.9
8 and under 13 weeks	* 3.0	* 3.0	* 1.7	5.6	4.6	3.8
13 and under 26 weeks	4.9	4.8	4.8	5.1	4.3	5.4
26 and under 52 weeks	6.2	4.9	6.4	10.5	8.0	9.8
52 weeks and over	10.2	8.8	10.6	7.2	8.8	9.3
Total	33.8	29.3	33.7	40.4	39.9	37.6
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	22	22	26	18	14	26
FEMALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	4.7	7.3	7.1	5.5	3.9	4.5
4 and under 8 weeks	* 2.9	* 2.4	* 2.2	5.2	3.5	4.2
8 and under 13 weeks	* 2.6	4.0	* 2.6	* 2.6	* 3.0	* 2.5
13 and under 26 weeks	4.2	* 3.0	* 2.5	* 3.2	3.6	4.9
26 and under 52 weeks	4.8	3.7	5.0	5.9	4.3	5.3
52 weeks and over	6.1	5.5	6.4	5.1	4.8	5.7
Total	25.3	25.9	25.8	27.4	23.1	27.0
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	19	11	15	13	13	17
PERSONS						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	10.3	12.2	13.1	12.6	11.5	9.0
4 and under 8 weeks	6.7	5.2	6.4	10.0	10.0	9.1
8 and under 13 weeks	5.6	7.0	4.3	8.2	7.7	6.3
13 and under 26 weeks	9.1	7.8	7.3	8.3	7.9	10.3
26 and under 52 weeks	11.0	8.6	11.4	16.4	12.3	15.0
52 weeks and over	16.3	14.3	17.1	12.3	13.6	15.0
Total	59.1	55.2	59.6	67.7	63.0	64.7
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	21	16	21	15	13	20

TABLE 17 — UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT, BALANCE OF QUEENSLAND

Duration of unemployment	1994			1995		
	September	October	November	September	October	November
MALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	5.7	6.4	5.6	8.6	8.1	10.2
4 and under 8 weeks	5.2	5.1	3.5	5.3	7.2	4.6
8 and under 13 weeks	4.3	* 2.8	4.8	5.4	5.0	5.3
13 and under 26 weeks	7.8	5.8	5.0	7.2	6.7	7.9
26 and under 52 weeks	9.3	8.0	9.8	10.3	11.3	8.7
52 weeks and over	12.2	16.4	14.5	13.6	14.7	17.4
Total	44.3	44.6	43.2	50.4	53.0	54.1
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	23	27	30	21	22	22
FEMALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	8.3	5.2	5.1	4.9	6.2	6.1
4 and under 8 weeks	5.7	4.2	3.6	4.0	* 3.1	3.6
8 and under 13 weeks	* 3.4	* 2.8	* 2.6	4.1	4.7	3.7
13 and under 26 weeks	* 3.4	* 3.2	4.3	5.7	5.8	4.7
26 and under 52 weeks	8.5	5.3	7.5	5.4	5.1	5.7
52 weeks and over	7.4	6.7	7.5	7.6	8.5	8.7
Total	36.7	27.5	30.7	31.7	33.4	32.5
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	16	14	23	17	16	14
PERSONS						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	14.0	11.7	10.7	13.5	14.3	16.4
4 and under 8 weeks	10.9	9.3	7.1	9.2	10.3	8.2
8 and under 13 weeks	7.7	5.7	7.5	9.5	9.7	9.0
13 and under 26 weeks	11.2	9.1	9.3	12.9	12.5	12.5
26 and under 52 weeks	17.8	13.3	17.3	15.7	16.4	14.4
52 weeks and over	19.6	23.2	22.0	21.2	23.2	26.1
Total	81.0	72.1	73.9	82.1	86.4	86.6
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	21	26	26	20	19	18

TABLE 18 — UNEMPLOYED PERSONS: DURATION OF UNEMPLOYMENT, QUEENSLAND

Duration of unemployment	1994			1995		
	September	October	November	September	October	November
MALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	11.3	11.3	11.5	15.8	15.7	14.8
4 and under 8 weeks	9.0	7.9	7.8	10.1	13.7	9.5
8 and under 13 weeks	7.3	5.8	6.6	11.0	9.6	9.1
13 and under 26 weeks	12.6	10.7	9.8	12.3	11.0	13.3
26 and under 52 weeks	15.5	12.9	16.2	20.8	19.3	18.4
52 weeks and over	22.4	25.3	25.1	20.8	23.5	26.7
Total	78.1	73.9	77.0	90.8	92.9	91.7
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	23	26	28	20	19	22
FEMALES						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	13.0	12.6	12.2	10.4	10.0	10.6
4 and under 8 weeks	8.6	6.6	5.8	9.1	6.6	7.8
8 and under 13 weeks	6.0	6.8	5.2	6.7	7.7	6.2
13 and under 26 weeks	7.6	6.2	6.8	8.9	9.4	9.6
26 and under 52 weeks	13.3	9.0	12.6	11.3	9.4	11.0
52 weeks and over	13.5	12.2	13.9	12.7	13.3	14.4
Total	62.0	53.4	56.6	59.1	56.5	59.5
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	17	13	19	14	15	17
PERSONS						
	'000	'000	'000	'000	'000	'000
Unemployed						
Under 4 weeks	24.3	23.9	23.7	26.2	25.7	25.4
4 and under 8 weeks	17.6	14.4	13.6	19.2	20.3	17.3
8 and under 13 weeks	13.3	12.7	11.8	17.8	17.4	15.3
13 and under 26 weeks	20.2	16.9	16.6	21.1	20.4	22.9
26 and under 52 weeks	28.8	21.9	28.8	32.1	28.7	29.4
52 weeks and over	35.8	37.5	39.1	33.5	36.8	41.0
Total	140.1	127.3	133.5	149.9	149.4	151.3
	weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemployment	21	20	26	17	17	19

TABLE 19 — UNEMPLOYED PERSONS AND UNEMPLOYMENT RATES: INDUSTRY DIVISION AND OCCUPATION GROUP OF LAST FULL-TIME JOB, QUEENSLAND

Unemployment category, industry division and occupation group	November 1994		February 1995		May 1995		August 1995		November 1995	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
	'000	%	'000	%	'000	%	'000	%	'000	%
Persons who had worked full-time for 2 weeks or more in the last 2 years	67.6	4.4	81.6	5.2	85.8	5.4	79.6	5.0	85.0	5.3
Industry division										
Agriculture, forestry and fishing	* 3.4	* 3.8	6.8	7.6	5.5	5.8	5.0	5.5	8.2	8.3
Manufacturing	9.4	4.9	12.6	6.7	13.1	6.6	14.3	7.2	17.4	8.6
Construction	11.1	7.2	9.7	6.6	14.2	10.0	14.4	10.2	12.1	8.4
Wholesale trade	6.3	6.6	4.5	4.9	5.3	5.5	* 3.1	* 3.5	5.2	6.0
Retail trade	12.1	5.2	13.2	5.8	14.7	6.3	12.5	5.2	12.3	5.0
Health and community services	* 2.6	* 2.0	* 3.2	* 2.4	* 3.4	* 2.6	* 3.2	* 2.4	* 2.7	* 2.0
Cultural and recreational services	* 0.2	* 0.7	* 2.8	* 6.8	* 2.2	* 5.9	* 1.1	* 3.4	* 2.0	* 5.4
Other industries	22.5	3.6	28.9	4.5	27.4	4.2	26.0	3.9	25.1	3.8
Occupation group										
Managers and administrators	* 2.6	* 1.8	* 3.1	* 2.3	* 1.9	* 1.2	* 1.5	* 1.0	* 2.3	* 1.5
Professionals	* 1.5	* 0.9	5.1	2.9	* 3.3	* 1.8	* 2.5	* 1.3	3.9	2.0
Para-professionals	* 1.5	* 1.8	* 3.2	* 3.8	* 3.1	* 3.9	* 1.4	* 1.7	* 3.2	* 3.9
Tradespersons	11.2	4.7	13.1	5.7	15.9	7.1	15.3	6.6	14.4	6.1
Clerks	7.3	2.9	8.9	3.3	9.1	3.7	10.1	4.1	9.3	3.6
Salespersons and personal service workers	14.2	5.1	15.5	5.5	17.8	6.2	12.2	4.4	13.0	4.6
Plant and machine operators and drivers	6.6	5.6	8.3	7.2	9.1	7.7	5.9	4.8	8.8	7.4
Labourers and related workers	22.8	8.5	24.5	8.9	25.5	9.0	30.7	10.9	30.2	10.5
Reason for ceasing last full-time job										
Job loser										
Laid off, retrenched	29.5	..	33.1	..	33.4	..	32.9	..	33.6	..
Other	16.1	..	18.7	..	20.4	..	19.3	..	20.7	..
Job leaver	21.9	..	29.8	..	32.0	..	27.4	..	30.8	..
Other										
Persons looking for first job	13.1	..	14.8	..	13.7	..	14.4	..	9.4	..
Former workers	49.4	..	59.2	..	54.4	..	45.4	..	54.4	..
Persons stood down	3.5	..	4.3	..	* 1.8	..	* 2.5	..	* 2.5	..
Total	133.5	8.3	159.9	9.7	155.7	9.4	141.9	8.6	151.3	9.0
Looking for full-time work	105.8	8.7	127.3	10.3	125.3	10.0	115.1	9.2	123.8	9.8
Looking for part-time work	27.7	7.2	32.6	8.2	30.4	7.6	26.8	6.8	27.5	6.8

SPECIAL SURVEYS DATA RELATING TO THE LABOUR FORCE

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force are carried out from time to time. The results of these surveys on labour force and related topics are published separately as shown below.

<i>Title of publication</i>	<i>Latest Data</i>	<i>Catalogue No.</i>
<i>Annual and Long Service Leave Taken, Australia</i>	May 1988 to April 1989	6317.0
<i>Career Experience, Australia</i>	February 1993	6254.0
<i>Career Paths of Persons with Trade Qualifications, Australia</i>	1993	6243.0
<i>Career Paths of Qualified Nurses, Australia</i>	March to July 1989	6277.0
<i>Child Care, Australia</i>	June 1993	4402.0
<i>Employment Benefits, Australia</i>	August 1994	6334.0.40.001
<i>Survey of Income and Housing Costs and Amenities</i>	1989 – 90	6546.0
<i>Job Search Experience of Unemployed Persons, Australia</i>	July 1995	6222.0.40.001
<i>Labour Force Experience, Australia</i>	February 1995	6206.0.40.001
<i>Labour Force Status and Educational Attainment, Australia</i>	February 1994	6235.0
<i>Labour Force Status and Other Characteristics of Families, Australia</i>	June 1995	6224.0.40.001
<i>Labour Force Status and Other Characteristics of Migrants, Australia</i>	September 1993	6250.0
<i>Labour Mobility, Australia</i>	February 1994	6209.0
<i>Multiple Jobholding, Australia</i>	August 1994	6216.0.40.001
<i>Participation in Education, Australia</i> (Formerly <i>Labour Force Status and Educational Attendance, Australia</i>)	September 1994	6272.0.40.001
<i>Persons Employed at Home, Australia</i>	March 1992	6275.0
<i>Persons Not in the Labour Force, Australia</i>	September 1994	6220.0.40.001
<i>Persons Who Had Re-entered the Labour Force, Australia</i>	May 1993	6264.0
<i>Persons Who Have Left the Labour Force, Australia</i>	September 1994	6267.0.40.001
<i>Retirement and Retirement Intentions, Australia</i>	November 1994	6238.0.40.001
<i>Successful and Unsuccessful Job Search Experience, Australia</i>	July 1994	6245.0
<i>Superannuation, Australia</i>	November 1993	6319.0
<i>Trade Union Members, Australia</i>	August 1994	6325.0.40.001
<i>Training and Education Experience, Australia</i> (Formerly <i>How Workers Get Their Training, Australia</i>)	1993	6278.0
<i>Transition From Education to Work, Australia</i>	May 1995	6227.0.40.001
<i>Underemployed Workers, Australia</i>	September 1994	6265.0.40.001
<i>Weekly Earnings of Employees (Distribution), Australia</i>	August 1994	6310.0.40.001
<i>Working Arrangements, Australia</i>	August 1993	6342.0

Special tabulations of data from these surveys are available. Please contact the Inquiry Service on (07) 3222 6351 for further information.

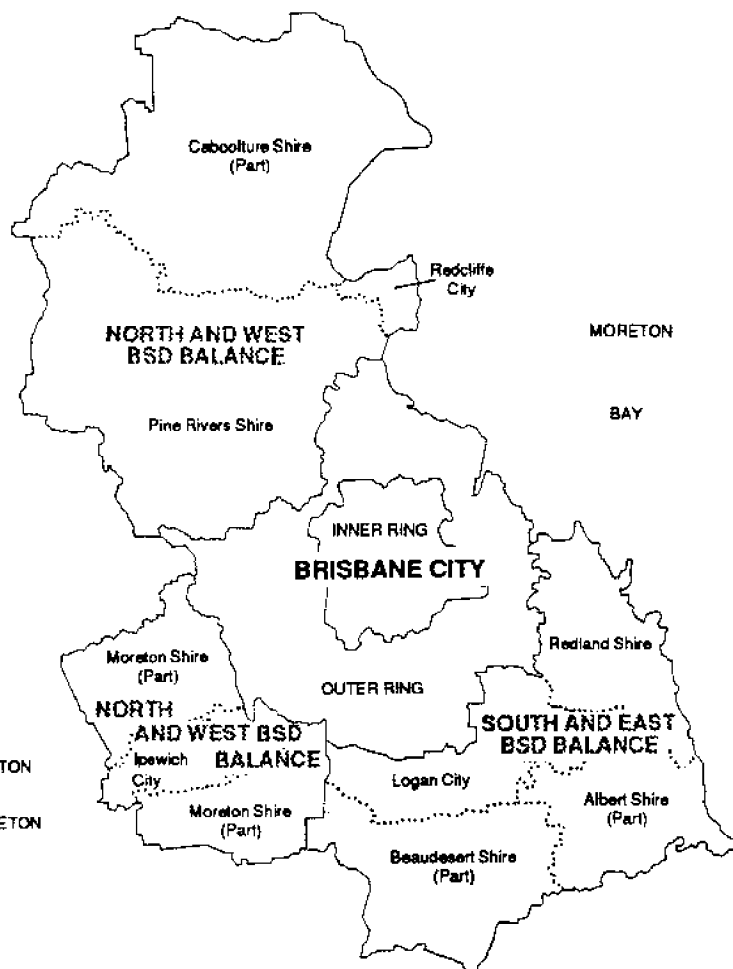
CUSTOMISED REPORTS

Summary reports at the national, State and regional level can be prepared for any aspect of the labour force required or on any aspect of employment, earnings or industrial conditions. Please contact the Inquiry Service on (07) 3222 6351 for details or write to the Australian Bureau of Statistics, GPO Box 9817, Brisbane Q 4001.

STATISTICAL REGIONS, QUEENSLAND



STATISTICAL REGIONS, BRISBANE STATISTICAL DIVISION



Brisbane City Inner Ring

Albion	Clayfield	Highgate Hill	Red Hill
Alderley	Coorparoo	Holland Park	Sherwood
Annerley	Corinda	Holland Park West	South Brisbane
Ascot	Dutton Park	Indooroopilly	Spring Hill
Ashgrove	East Brisbane	Kangaroo Point	St Lucia
Balmoral	Enoggera (including Military Camp)	Kedron	Stafford
Bardon	Fairfield	Kelvin Grove	Stafford Heights
Bowen Hills	Fortitude Valley - Inner	Lutwyche	Taringa
Bulimba	Fortitude Valley - Remainder	Milton	Tarragindi
Camp Hill	Graceville	Moorooka	Toowong
Cannon Hill	Grange	Morningside	West End
Carina	Greenslopes	New Farm	Wilston
Carina Heights	Hamilton	Newmarket	Windsor
Carindale	Hawthorne	Newstead	Woolloongabba
Chelmer	Hendra	Norman Park	Woolloowin
City - Inner	Herston	Nundah	Yeerongpilly
City - Remainder		Paddington	Yeronga

RECENT RELEASES OF INTEREST

Job Search Experience of Unemployed Persons, Australia, July 1995 (6222.0.40.001). (\$25.00)

This publication contains information on unemployed persons in July 1995. Estimates of unemployed persons are classified by difficulty of finding work, duration of current period of unemployment, age, whether would move interstate or intrastate if offered a suitable job, birthplace, active steps taken to find work, whether looking for full-time or part-time work, educational attainment and number of spells of looking for work in the previous year.

Transition from Education to Work, Australia, May 1995 (6227.0.40.001). (\$20.00)

This publication contains information about the civilian population aged 15 to 64 years by whether attended an educational institution, type of attendance, type of educational institution attended and level of course in the previous year, whether currently attending an educational institution, type of attendance, type of educational institution currently attending and level of course, whether left full-time education in the previous year and up to the survey month, type of school last attended, whether completed the highest year of secondary schooling available and for those not attending whether they applied for entrance to an educational institution and were unable to gain a place. Information also includes highest level of education attained. For persons with post-school qualifications this includes the main field of study for that qualification and the year in which it was obtained. Persons undertaking apprenticeships are asked field of trade and year of apprenticeship. Data are cross-classified by the usual demographic and labour force characteristics.

Please contact the Inquiry Service on (07) 3222 6351 for further information.

LABOUR FORCE SUPPLEMENTARY SURVEY PROGRAM - 1995

Topic	Survey Month
Labour Force Experience	February
Transition from Education to Work	May
Job Search Experience of Unemployed Persons	July
Persons Who Had Re-entered the Labour Force	July
Weekly Earnings of Employees (Distribution)	August
Working Arrangements	August
Absences from Work	August
Persons Not in the Labour Force	September
Underemployed Workers	September
Persons Employed at Home	September
Participation in Education	September
Superannuation	November

An Aboriginal and Torres Strait Islander identifier was added to the March 1994 and February 1995 Labour Force Surveys.

EARLY RELEASE OF MONTHLY REGIONAL LABOUR FORCE DATA

Labour Force data for Queensland regions are available each month as an annual subscription service.

By subscribing to this service you will receive regional labour force data soon after the release of *The Labour Force, Australia, Preliminary* (6202.0).

Information will be provided on the number of persons employed, unemployed, persons in the labour force, persons not in the labour force, the unemployment rate, the participation rate and youth unemployment for the 11 statistical regions in Queensland.

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Client Support Section, ABS, GPO Box 9817,

Brisbane Q 4001

(Telephone: 07 3222 6231)



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Name: _____ Position: _____

Organisation: _____ Telephone: _____

Fax No: _____

Address: _____

Enclosed is my cheque/money order for \$ _____
(made payable to : *The Collector of Public Moneys*)

OR

Debit my credit card: ☐ Bankcard ☐ Mastercard ☐ Visa ☐ Amex for \$ _____

Card number: _____ Expiry date: _____

Name on card: _____

Signature: _____ Date: _____

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Organisation:

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Postcode:

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EXPLANATORY NOTES

The population survey

The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers approximately three-fifths of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of 2 weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the reference week).

Scope

2. The labour force survey includes all persons aged 15 years and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
- (c) overseas residents in Australia and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

Coverage

3. In the labour force survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling and hence has only one chance of selection. The coverage rules are, necessarily, a balance between theoretical and operational considerations. Nevertheless, the chance of a person being enumerated at two separate dwellings in the one survey is considered to be negligible.

4. Persons who are away from their usual residence for 6 weeks or less at the time of interview are enumerated at their usual residence when relevant information can be obtained from other usual residents present at the time of the survey.

Supplementary and special surveys

5. Emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population. However, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request. A list of survey publications on labour force and related topics is shown on page 20.

Population benchmarks

6. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated

distribution of the population aged 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in the quarterly ABS publication *Australian Demographic Statistics* (3101.0) because they are necessarily derived from incomplete information about population changes.

7. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

8. While this procedure can be expected to provide reliable estimates of unemployment and participation rates, it cannot be taken as completely reliable for estimates of numbers involved. For this reason estimates of numbers in each region have not been added to provide an estimate of the total civilian population aged 15 years and over.

Revision of series

9. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each census of population and housing and when population estimation bases are reviewed. These revisions affect unadjusted, seasonally adjusted and trend estimates. The last such revision was made in February 1994 to take account of the results of the 1991 Census of Population and Housing. This affected all the monthly estimates from January 1989 to January 1994.

10. The estimates shown in this publication are based entirely on place of usual residence. Prior to October 1982, the estimates were based on a combination of place of enumeration and place of usual residence.

11. Until February 1978, surveys were conducted in February, May, August and November each year from 1964. From February 1978 the survey has been conducted on a monthly basis.

12. The questionnaire used in the survey for the collection of labour force data has been revised a number of times. Details of these changes have been published in *Information Paper: Questionnaires Used in the Labour Force Survey* (6232.0) in March 1978, December 1981, August 1984, June 1986, June 1991 and March 1993.

Comparability of series

13. As noted in paragraph 9, estimates from January 1989 have been revised to conform to revised population

EXPLANATORY NOTES — *continued*

estimates following the 1991 Census of Population and Housing and are thus not strictly comparable with estimates for periods prior to January 1989 which have not been revised.

14. Regional estimates are based on statistical regions from September 1987. They are not comparable with estimates prior to that date which were based on differently composed dissemination regions.

15. Comparability with estimates produced from the quarterly survey of employment and earnings is affected by the use of a different survey methodology and definitions. The labour force survey provides estimates of people in jobs whereas the survey of employment and earnings provides an estimate of the number of jobs held by employees. A more detailed description of the differences between these two series is provided in *Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0).

Reliability of estimates

16. Estimates in this publication are subject to two sources of error.

(a) *Sampling error.* Since the estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical Notes.

(b) *Non-sampling error.* Inaccuracies may occur because of imperfections in reporting by respondents and interviewers and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Reliability of regional labour force estimates

17. While the Labour Force Survey is designed primarily to produce reliable estimates at the national and State or Territory level, it also delivers estimates for a number of regions within States.

As with the national and State estimates, regional labour force estimates are subject to sampling error. Since estimates for regions are components of corresponding State level and thus are based on a considerably smaller sample size, they are subject to higher relative standard errors. Care should therefore be taken in the interpretation of regional estimates, particularly when comparing month-to-month movements. Tables of standard errors for each region are available from the ABS.

Survey sample redesign

18. The labour force survey sample was redesigned and reselected using information collected in the 1991 Census of Population and Housing. The new sample was phased in over the period September to December 1992. For details, see *Information Paper: Labour Force Survey — Sample Design* (6269.0).

19. For the most part, one quarter of the new sample was introduced each month so that, by December 1992, the entire new sample was in place. Replacement occurred generally at the rotation group level with two groups substituted each month. Such a pattern of implementation means that any changes to labour force estimates due to differences between the two samples, or any other influences, was spread over 4 months rather than being concentrated in one inter-month period.

20. This phase-in scheme applied to the private dwelling sample in urban areas. The new sample for non-private dwellings and private dwellings in rural areas was introduced in a single stage in November 1992.

21. The sampling fraction differs for States and Territories to enable estimates of reasonable accuracy to be produced at State level as well as for Australia. The sampling fraction for Queensland is 1 in 195.

Potential effects on labour force survey estimates

22. Implications for estimates produced from the Labour Force Survey due to sample redesign and its implementation are as follows:

(a) The sampling error in Queensland increased overall initially by about 8% over the previous level but will decline gradually during the life of the new sample. There were also higher standard errors for the estimates of month-to-month movements produced during the period September 1992 to December 1992 compared with those for the corresponding series produced prior to this period and from January 1993 onwards. *Overall, these are estimated to be up to 20% higher than the normal standard errors for monthly movements.*

(b) Analysis has shown that the unemployment rate was marginally higher (less than 0.5 percentage points) for those persons in sample for the first time. Normally, this will not affect the overall estimates of month-to-month movements because the number of persons in sample does not change significantly. However, during the transition period, there were twice as many as usual in sample for the first time. This may have caused a small upward movement (of less than 0.1 percentage points) in the unemployment rate from August 1992 to September 1992 and a compensating decrease from December 1992 to January 1993.

EXPLANATORY NOTES — *continued***Changes to regions**

23. The following changes to the existing Queensland labour force dissemination regions took effect from September 1992:

The Brisbane Major Statistical Region has been expanded to include all of the Shire of Pine Rivers and additional parts of the Shires of Caboolture, Beaudesert, Moreton and Albert. 'South and East Brisbane Statistical Division (BSD) Balance Statistical Region' and 'North and West BSD Balance Statistical Region' have been enlarged with corresponding reductions to 'South and East Moreton Statistical Region' and 'North and West Moreton Statistical Region'.

Seasonal adjustment

24. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effect of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation. Seasonal factors are reviewed annually to take account of each additional year of original data.

Trend estimation

25. Smoothed seasonally adjusted series produce a measure of trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.

26. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller and after 3 months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors.

Month-to-month movements

27. Care should be taken in the interpretation of month-to-month movements in labour force survey estimates as they are subject to sampling and non-sampling variability as explained in paragraph 16.

Related publications

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

The Labour Force, Australia, Preliminary (6202.0) — Monthly (\$15.50)

The Labour Force, Australia (6203.0) — Monthly (\$18.00)

The Labour Force, Australia (6204.0) — Latest issue: 1978 to 1989 (\$40.00)

Monthly Summary of Statistics (1304.3) — Monthly (\$12.00)

Economic Indicators (1307.3) — Monthly (\$13.50)

A Guide to Interpreting Time Series — Monitoring 'Trends' (1349.0) — Latest issue: 1995 (\$30.00)

Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings (6263.0) — Latest issue: July 1985

Information Paper: A Guide to Interpreting Time Series — Monitoring 'Trends', an Overview (1348.0) — Latest issue: 1993

Information Paper: Labour Force Survey — Sample Design (6269.0) — Latest issue: September 1992

Information Paper: Labour Force Survey — Measuring Teenage Unemployment (6270.0) — Latest issue: October 1987

Information Paper: Measuring Employment and Unemployment (6279.0) — New issue: August 1991

Information Paper: Regional Labour Force Statistics (6262.0) — Latest issue: September 1992

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

Unpublished statistics

30. 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

- .. not applicable
- * subject to sampling variability too high for most practical purposes; See paragraphs 8 and 9 in the Technical Notes

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

TECHNICAL NOTES

Estimation procedure

The labour force estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

2. Since regular estimates of the population are not available at the regional level, the State benchmarks were used to produce regional estimates. This methodology assumes a common pattern of under-enumeration at the regional level and also ensures that regional estimates add to the State totals.

Data quality

3. Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. *Non-sampling error* is explained in the Explanatory Notes, paragraph 16 (b). The *sampling error* is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed.

Standard error of estimates

4. One measure of the variability of estimates which occurs as a result of surveying only a sample of the population is the *standard error* (SE).

5. 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 dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors.

6. The standard error of an estimate can be obtained from Table A. Linear interpolation should be used to calculate the standard error of estimates falling between the sizes of estimates listed in the table (see example following Table A).

7. Standard errors for some estimates, e.g. unemployment, can vary from those shown in the tables.

Methods for calculating the standard errors of these estimates are shown in the table below.

Relative standard error

8. Another measure of sampling variability is the *relative standard error* (RSE). This is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard error is a useful measure in that it provides an immediate indication of the percentage errors likely to have occurred due to sampling and thus avoids the need to refer also to the size of the estimate.

9. In the tables in this publication, only estimates with relative standard errors of 25% or less, and percentages based on such estimates, are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are preceded by an asterisk (e.g. * 3.0) to indicate they are subject to high standard errors and should be used with caution. Small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable use.

Standard error of movement

10. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Table B. These estimates apply only to estimates of movements between two consecutive months.

11. Movements between corresponding months of consecutive quarters, i.e. *quarterly movements*, can be obtained by multiplying the figure in Table B by 1.21. Standard errors of movements between corresponding months of consecutive years, i.e. *annual movements*, can be obtained by multiplying the figures in Table A by 1.3. When using Tables A or B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

METHODS FOR CALCULATING THE STANDARD ERRORS FOR SELECTED ESTIMATES

Measure of reliability to be determined	Method
Standard errors of estimates of employed persons.	Determine the SE from Table A directly.
Standard errors of estimates of unemployed persons.	Multiply the SE from Table A by 0.97.
Standard errors of estimates of persons not in the labour force.	Multiply the SE from Table A by 1.06.
Standard errors of rates (e.g. the unemployment rate which is based on the number of unemployed persons expressed as a percentage of the number of persons in the labour force).	Determine the RSE of the numerator (x) and the denominator (y) then apply the following formula.
Standard error of average hours worked.	$RSE(x/y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$ Determine the RSE for the number of persons on which the average is based and multiply this by 0.7.
Standard error of median duration of unemployment.	Determine the RSE for the number of persons on which the median is based and multiply this by 2.0.
Standard error of monthly movements.	Using Table B, look up the SE of the larger estimate.
Standard error of quarterly movements.	Determine the standard error of the larger estimate (using Table A) and multiply this by 1.21.
Standard error of annual movements.	Determine the standard error of the larger estimate (using Table A) and multiply this by 1.3.

TECHNICAL NOTES — continued

TABLE A — STANDARD ERRORS OF ESTIMATES FOR STATISTICAL REGIONS AND QUEENSLAND

Size of estimate	Brisbane (MSR) Statistical Regions				
	Queensland; Brisbane (MSR); Balance of Queensland	Brisbane City Inner Ring	Brisbane City Outer Ring	South and East Brisbane Statistical Division Balance	North and West Brisbane Statistical Division Balance
	No.	No.	No.	No.	No.
200	210	160	170	170	170
300	260	200	210	220	210
500	340	260	270	280	280
700	400	310	320	340	330
1,000	480	380	390	410	400
1,500	590	470	480	500	500
2,000	680	540	560	590	580
2,500	750	610	630	660	650
3,000	820	670	690	720	720
4,000	940	780	800	840	830
5,000	1,050	880	900	950	940
7,000	1,200	1,050	1,100	1,150	1,100
10,000	1,400	1,250	1,300	1,350	1,350
15,000	1,700	1,550	1,600	1,700	1,650
20,000	1,950	1,800	1,850	1,950	1,950
30,000	2,300	2,250	2,300	2,450	2,400
50,000	2,850	2,950	3,050	3,150	3,150
70,000	3,250	3,500	3,600	3,800	3,750
100,000	3,750	4,250	4,350	4,550	4,500
150,000	4,400	5,200	5,400	5,600	5,600
200,000	4,950	6,100	6,300	6,600	6,500
300,000	5,800	7,500	7,700	8,100	8,000
500,000	7,000	9,900	10,100	10,600	10,500
1,000,000	8,900	..	..	..	..
2,000,000	11,300	..	..	..	..

Size of estimate	Balance of Queensland Statistical Regions						
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs and South-West	Mackay, Fitzroy and Central-West	Northern and North-West	Far North
	No.	No.	No.	No.	No.	No.	No.
200	160	170	180	180	180	170	190
300	200	220	230	220	220	210	240
500	270	280	300	290	290	270	310
700	320	340	350	340	340	320	370
1,000	380	410	430	410	420	390	440
1,500	470	500	530	510	510	480	550
2,000	550	590	620	600	600	560	640
2,500	620	660	690	670	670	630	720
3,000	680	720	760	740	740	690	790
4,000	790	840	890	860	860	810	920
5,000	890	950	1000	960	970	910	1,050
7,000	1,050	1,150	1,200	1,150	1,150	1,100	1,250
10,000	1,300	1,350	1,450	1,400	1,400	1,300	1,500
15,000	1,600	1,700	1,750	1,700	1,700	1,600	1,850
20,000	1,850	1,950	2,050	2,000	2,000	1,900	2,150
30,000	2,300	2,400	2,550	2,450	2,500	2,350	2,650
50,000	3,000	3,150	3,350	3,250	3,250	3,050	3,450
70,000	3,550	3,800	4,000	3,850	3,850	3,650	4,100
100,000	4,300	4,550	4,800	4,650	4,650	4,350	4,950
200,000	6,200	6,600	6,900	6,700	6,700	6,300	7,100
300,000	7,600	8,100	8,500	8,300	8,300	7,800	8,800
500,000	10,000	10,600	11,200	10,800	10,800	10,200	11,500

TECHNICAL NOTES — continued

Linear interpolation

12. Linear interpolation is used to determine the standard error of an estimate which falls between two values listed in the *size of estimate* column in Tables A or B. Linear interpolation is best described using an example. In August 1995 there were 642,800 (X_e) employed females in Queensland. This estimate falls between the values 500,000 (X_l) and 1,000,000 (X_u) in Table A.

Secondly, calculate the standard error of the estimate, $SE(X_e)$ thus,

$$\begin{aligned} SE(X_e) &= SE(X_l) + F[SE(X_u) - SE(X_l)] \\ &= 7,000 + 0.286 \times [8,900 - 7,000] \\ &= 7,543 \\ &= 7,500 \text{ rounding to the nearest 100.} \end{aligned}$$

13. The standard error of the estimate is determined as follows:

$$\begin{aligned} \text{Firstly calculate } F &= \frac{X_e - X_l}{X_u - X_l} \\ &= \frac{642,800 - 500,000}{1,000,000 - 500,000} \\ &= 0.286 \end{aligned}$$

Therefore the standard error of the number of employed females in Queensland in August 1995 (642,800) is 7,500.

TABLE B — STANDARD ERRORS OF MONTHLY MOVEMENTS FOR STATISTICAL REGIONS AND QUEENSLAND

Size of estimate	Brisbane (MSR) Statistical Regions					
	Queensland: Brisbane (MSR): Balance of Queensland		Brisbane City Inner Ring	Brisbane City Outer Ring	South and East Brisbane Statistical Division Balance	North and West Brisbane Statistical Division Balance
	No.	%	No.	No.	No.	No.
1,000	580	58.0	330	310	250	320
1,500	660	44.0	400	370	300	380
2,000	730	36.5	450	420	340	440
2,500	790	31.6	500	470	370	480
3,000	840	28.0	540	510	400	520
4,000	930	23.3	610	570	460	590
5,000	1,000	20.0	670	630	500	650
7,000	1,150	16.4	770	730	580	750
10,000	1,250	12.5	900	850	680	880
15,000	1,450	9.7	1,100	1,000	810	1,050
20,000	1,600	8.0	1,200	1,150	920	1,200
30,000	1,850	6.2	1,450	1,350	1,100	1,400
50,000	2,200	4.4	1,800	1,700	1,350	1,750
100,000	2,800	2.8	2,450	2,300	1,850	2,400
200,000	3,550	1.8	3,300	3,150	2,500	3,200
300,000	4,100	1.4	3,950	3,750	2,950	3,850

Size of estimate	Balance of Queensland Statistical Regions						
	South and East Moreton	North and West Moreton	Wide Bay- Burnett	Darling Downs and South-West	Mackay, Fitzroy and Central-West	Northern and North-West	Far North
	No.	No.	No.	No.	No.	No.	No.
1,000	290	300	340	320	340	320	290
1,500	340	350	400	390	410	390	340
2,000	390	400	460	440	460	440	390
2,500	430	440	500	480	510	480	430
3,000	460	480	550	520	550	520	460
4,000	530	540	620	590	620	590	530
5,000	580	600	680	650	680	650	580
7,000	670	690	790	760	790	750	670
10,000	780	810	920	880	920	880	780
15,000	930	960	1,100	1,050	1,100	1,050	930
20,000	1,050	1,100	1,250	1,200	1,250	1,200	1,050
30,000	1,250	1,300	1,500	1,400	1,500	1,400	1,250
50,000	1,550	1,600	1,850	1,750	1,850	1,750	1,550
100,000	2,100	2,200	2,500	2,400	2,500	2,400	2,150
200,000	2,850	2,950	3,350	3,250	3,400	3,200	2,850
300,000	3,400	3,550	4,000	3,850	4,050	3,850	3,450

GLOSSARY

Attending school. Persons aged 15 to 19 years who, during the reference week, were enrolled full-time at secondary or high schools.

Attending tertiary educational institution full-time. Persons aged 15 to 24 years who, during the reference week, were enrolled full-time at a TAFE college, university or other educational institution.

Average hours worked. Aggregate hours worked by a group divided by the number of persons in that group.

Average duration of unemployment. For a group of unemployed persons, the aggregate duration of unemployment divided by the number of persons in the group.

Duration of unemployment. The period from the time a person began looking for work or was stood down, to the end of the reference week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for 2 weeks or more to the end of the reference week.

Employed. Persons aged 15 years and over who, during the reference week:

- (a) worked for 1 hour or more for pay, profit, commission or payment in kind in a job or business or on a farm (comprising employees, employers and own account workers);
- (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. contributing family workers);
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than 4 weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than 4 weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; receiving wages or salary while undertaking full-time study or
- (d) were employers, own account workers or contributing family workers who had a job, business or farm, but were not at work.

Former workers. Unemployed persons who have previously worked full-time for 2 weeks or more but not in the past 2 years.

Full-time workers. Employed persons who usually worked 35 hours or more a week (in all jobs) and others who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.

Hours worked. The total number of hours a group of employed persons has actually worked during the reference week, not necessarily hours paid for.

Job leavers. Unemployed persons who have worked full-time for 2 weeks or more in the past 2 years and left that

job voluntarily, that is, because of unsatisfactory work arrangements, pay or hours; the job was seasonal, temporary or a holiday job and they left that job to return to studies; their last job was running their own business and they closed down or sold that business for reasons other than financial difficulties or any other reasons.

Job losers. Unemployed persons who have worked full-time for 2 weeks or more in the past 2 years and left that job involuntarily, that is, were laid off or retrenched from that job; left that job because of their own ill-health or injury; the job was seasonal or temporary and they did not leave that job to return to studies or their last job was running their own business and the business closed down because of financial difficulties.

Industry. From August 1994, Labour Force Survey industry data are classified according to the Australian and New Zealand Standard Industrial Classification (ANZSIC). Like the previous Australian Standard Industrial Classification (ASIC), ANZSIC classifies businesses according to their economic activities, in a structure consisting of four levels (Division, Sub-division, Group and Class). Labour Force Survey data are coded at the group level, as was the practice under ASIC. To assist users in making comparisons with previously published data, a concordance had been developed which shows for each ASIC Group, the corresponding ANZSIC Group or Groups. The concordance also shows the estimated employment attributable to each ANZSIC Group, compared with ASIC Group data, according to establishment unit employment data on the ABS Business Register at May 1994. Historical estimates of employment by ANZSIC Group have been compiled on the basis of the concordance, and are available on request. For further information about the application of ANZSIC, see *Information Paper: Labour Force Survey: Introduction of ANZSIC for Industry Data* (6259.0) and *Australian and New Zealand Standard Industry Classification 1993* (1292.0).

Labour force. For any group, persons who were employed or unemployed, as defined.

Labour force status. A classification of the civilian population aged 15 years and over into employed, unemployed or not in the labour force, as defined. The definitions conform closely to the international standard definitions adopted by the International Conferences of Labour Statisticians.

Marital status. Persons are classified as married (husband and wife) if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category comprises persons who have never married, or are separated, widowed or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household.

Median duration of unemployment. The duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other, persons whose duration is below it.

Not in the labour force. Persons who were not in the categories employed or unemployed, as defined. They include persons who were keeping house (unpaid), retired, voluntarily inactive, permanently unable to work, persons

GLOSSARY – continued

in institutions (hospitals, jails, sanatoriums, etc.), trainee teachers, members of contemplative religious orders and persons whose only activity during the reference week was jury service or unpaid voluntary work for a charitable organisation.

Occupation. Classified according to the *Australian Standard Classification of Occupations, 1986* (1222.0).

Participation rate. For any group, the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group. Participation rates for persons classified by birthplace are calculated using population estimates which exclude those in institutions. Participation rates for persons classified by school or tertiary educational institution attendance are calculated using population estimates which include those in institutions.

Part-time workers. Employed persons who usually worked less than 35 hours a week and who did so during the reference week.

Seasonally adjusted series. A time series of estimates with the estimated effects of normal seasonal variation removed. See paragraph 24 of the Explanatory Notes for more detail.

Statistical regions. Classified according to the *Australian Standard Geographical Classification, Edition 2.5* (1216.0).

Status in employment. From August 1994, the labour force survey has adopted the international classification of Status in Employment, previously referred to as Status of Worker in the survey. This change follows recommendations of the 15th International Conference of Labour Statisticians and ABS standards. For the labour force survey, the change involves no changes in definitions. The only changes are to the classification titles, as follows:

Status of Worker	Status in Employment
Wage and salary earner	Employee
Employer	Employer
Self-employed	Own account worker
Unpaid family helper	Contributing family worker

Trend series. A smoothed seasonally adjusted series of estimates. See paragraphs 25 and 26 of the Explanatory Notes for more detail.

Unemployed. Persons aged 15 years and over who were not employed during the reference week and:

- (a) had actively looked for full-time or part-time work at any time in the 4 weeks up to the end of the reference week and:
 - (i) were available for work in the reference week or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the reference week);
 - (ii) were waiting to start a new job within 4 weeks from the end of the reference week and would have started in the reference week if the job had been available then
- or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the reference week (including the whole of the reference week) for reasons others than bad weather or plant breakdown.

Unemployed persons classified by industry and occupation. Unemployed persons who had worked full-time for 2 weeks or more in the last 2 years are classified according to the industry and occupation of their most recent full-time job.

Unemployed looking for full-time work. Unemployed persons who actively looked for full-time work or were to resume a full-time job, from which they had been stood down.

Unemployed looking for part-time work. Unemployed persons who had actively looked for part-time work only or were to resume a part-time job, from which they had been stood down.

Unemployment rate. For any group, the number of unemployed persons expressed as a percentage of the labour force in the same group.

The Labour Force, Queensland, November 1995

Catalogue No. 6201.3



2620130011950
ISSN 0313-1912

Recommended retail price: \$15.00