

THE LABOUR FORCE: REGIONAL ESTIMATES

FEBRUARY 1987

Catalogue No. 6204.3

AUSTRALIAN BUREAU OF STATISTICS
QUEENSLAND OFFICE

THE LABOUR FORCE: REGIONAL ESTIMATES, QUEENSLAND, FEBRUARY 1987

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Explanatory Notes

Introduction

This publication contains regional estimates of the Queensland civilian labour force derived from the labour force survey part of the monthly population survey.

- 2. Background information on the dissemination of regional labour force statistics is provided in the Information Paper 'Release of Regional Labour Force Statistics' (Catalogue No. 6262.0).
- 3. Data for each region from October 1982 are available on request.

The Population Survey

4. The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers elightly more than two-thirds of 1 per cent of the opulation of Queensland. The information is btained from the occupants of selected dwellings y carefully chosen and specially trained interiewers. The interviews are generally conducted wring a period of 2 weeks beginning on the Monday etween the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

Scope

- 5. 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 visitors holidaying in Australia; and
 - (d) members of non-Australian defence forces (and their dependants) stationed in Austral

Definitions

6. The <u>labour force category</u> to which a person is assigned depends on the <u>actual activity</u> (i.e. whether working, looking for work, etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

- 7. Employed persons comprise all those aged 15 years and over who, during the survey 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 (including employees, employers, and self-employed persons); or
 - (b) worked for 1 hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
 - (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 survey week; stood lown without pay because of bad weather or plant break-down at their place of employment for less than 4 weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or were employers, self-employed persons, or inpaid family helpers who had a job, business, or farm, but were not at work.
- 8. Unemployed persons are those aged 15 years and over who were not employed during the survey 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 survey week and:
 - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than 4 weeks to the end of the survey week); or
 - (ii) were waiting to start a new job within 4 weeks from the end of the survey week and would have started in the survey week if the job had been available then; or
 - (b) were waiting to be called back to a fulltime or part-time job from which they had been stood down without pay for less than 4 weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.
- 9. Persons actively looking for work include those writing, telephoning, or applying in person to an employer for work; answering a newspaper advertisement f actory or

Definitions (continued)

Commonwealth Employment Service noticeboards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency, advertising or tendering or work; and contacting friends or relatives.

- 10. The unemployment rate for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.
- 11. Duration of unemployment is the period from the time the person began looking for work or was laid off to the end of the survey 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 survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration.
- 12. Median duration of unemployment is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other comprising persons whose duration is below it.
- 13. The <u>labour force</u> comprises all persons who, during the survey week, were employed or unemployed, as defined above.
- 14. The <u>labour force participation rate</u> for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.
- 15. Persons not in the labour force are those who, during the survey week, were not in the categories employed or unemployed as defined. category therefore includes persons who were keeping house (unpaid), attending an educational institution (e.g. school or university), retired or voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation. Specific surveys of persons not in the labour force indicate that a number of persons want to work but are not classified as unemployed because they were not actively looking for work or were not available to begin

- work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.
- 16. Industry classification. Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.
- 17. Occupation classification. Occupation is classified according to the Australian Standard Classification of Occupations (ASCO), 1986, which replaced the Classification and Classified List of Occupations (CCLO), Revised November 1980, used in the surveys prior to August 1986. Detailed information on ASCO can be found in the ABS publication 'ASCO Statistical Classification' (Catalogue No. 1220.0).
- 18. Regions. Labour force regions are based on statistical divisions or groupings of statistical divisions.
- 19. The Brisbane Statistical Division (B.S.D.) Region is divided into the Brisbane City (Inner Suburbs and Outer Suburbs) and Balance of B.S.D. Regions. The Moreton Region is the Moreton Statistical Division; the Wide Bay-Burnett/Darling Downs Region is the Wide Bay-Burnett and Darling Downs Statistical Divisions; and the Fitzroy/Mackay Region is the Fitzroy and Mackay Statistical Divisions.
- 20. The North and Western Queensland Region comprises the North-West, Far North, Northern, Central-West, and South-West Statistical Divisions and the North Queensland Region combines the Far North and Northern Statistical Divisions.
- 21. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan, and Redcliffe, the Shire of Redland, and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton, and Pine Rivers.
- 22. Maps delineating the regions are included on pages 5 and 6. A listing of Brisbane City suburbs is contained on page 7.

Population Benchmarks

23. Labour force survey estimates are calculated in such a way as to add 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. Since regular

Explanatory Notes (continued)

Definitions (continued)

Population Benchmarks (continued)

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.

24. As regional benchmarks are not used in the estimation procedures, regional estimates of the civilian population aged 15 years and over are not available. Although these figures can be derived by addition they should not be used as they cannot be regarded as being reliable.

Reliability of the Estimates

25. As with other labour force survey estimates, regional estimates are subject to sampling error and non-sampling error. (See Technical Notes pages 21 to 23.) Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

26. For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus their use should be restricted to that of providing snapshot information at a given point in time. They should not be regarded as reliable indicators of short-term (monthly) movements.

Related Publications

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

'Monthly Summary of Statistics' (1304.3) -Monthly

'Economic Indicators' (1307.3) - Monthly

'The Labour Force' (6201.3) - Quarterly
Information Paper 'Questionnaires Used in
the Labour Force Survey' (6232.0) Latest Issue: June 1986
Information Paper 'Release of Regional
Labour Force Statistics' (6262.0) Latest Issue: April 1985

28. Current publications produced by the ABS are listed in the 'Catalogue of Publications' (Catalogue No. 1101.0) and those produced by the Queensland Office are listed in 'List of Publications' (Catalogue No. 1101.3). A 'Publications Advice' (Catalogue No. 1105.0) is issued on Tuesdays and Fridays which lists publications to be released in the next few days. These publications are available from any ABS Office.

Unpublished Statistics

29. The ABS can also make available certain regional labour force statistics which are not published. Where it is not practicable to provide the required statistics by telephone, they may be available in other forms, such as microfiche, photocopy, computer printout, or clerically extracted tabulation. A charge may be made for providing unpublished statistics in these forms.

30. For further information on these unpublished statistics contact Bevin Morris by telephoning Brisbane (07) 222 6029, or write to information Services at the address above.

Symbols and Other Usages

- .. Not applicable.
- * Subject to sampling variability too high for most practical uses. (See Technical Notes pages 21 to 23 regarding reliability of the estimates.)
- 31. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

D. N. ALLEN
DEPUTY COMMONWEALTH STATISTICIAN

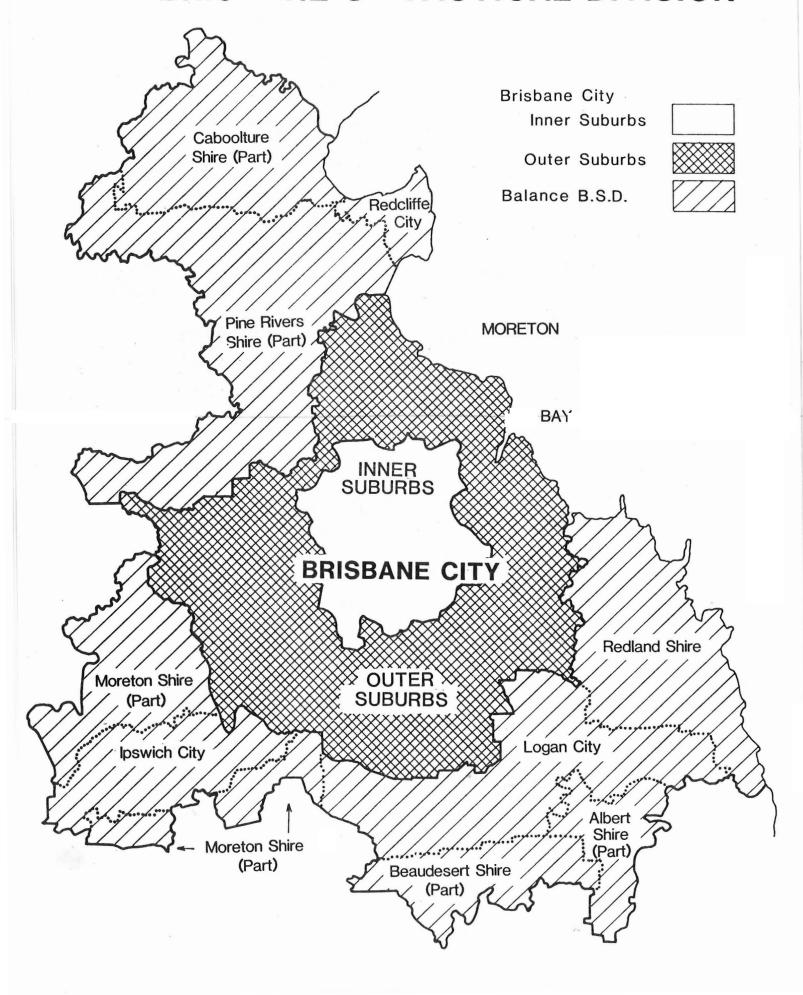
313 Adelaide Street, BRISBANE 4000 8 May 1987

LABOUR FORCE REGIONS, QUEENSLAND

0 Brisbane Region Moreton Region Wide Bay-Burnett/ Darling Downs Region Fitzroy/Mackay Region North and Western Qld Region North Qld Region Western Qld (a) Cairns FAR NORTH Region Boundary Statistical Division Boundary Townsville NORTH-WEST NORTHERN Mount Isa Mackay Rockhampton CENTRAL WEST MORETON SOUTH WEST BRISBANE **DOWNS** (See over) Gold Coast

(a) Labour force estimates are not separately available for Western Queensland, but are combined with the North Queensland Region and published as North and Western Queensland Region.

LABOUR FORCE REGIONS, BRISBANE STATISTICAL DIVISION



Inner Suburbs

Albion Alderley Annerley Ascot Ashgrove **Auchenflower** Balmoral Bardon Bowen Hills Bul imba Camp Hill Cannon Hill Carina Carina Heights Carindale Chelmer City

Clayfield Coorparoo Corinda **Dutton Park** East Brisbane Enoggera Enoggera Military Camp Fairfield Fortitude Valley Graceville Grange **Greenslopes** Hamilton Hawthorne Hendra Herston Highgate Hill

Holland Park Holland Park West Indooroopilly Kangaroo Point Kedron Kelvin Grove Lutwyche Milton Moorooka Morningside New Farm Newmarket Newstead Norman Park Nundah Paddington Red Hill

Spring Hill
St Lucia
Stafford
Stafford Heights
Taringa
Tarragindi
Toowong
West End
Wilston
Windsor
Woolloongabba
Wooloowin
Yeerongpilly
Yeronga

Robertson

Rochedale

Salisbury

Rock lea

Runcorn

Sherwood

South Brisbane

Outer Suburbs

Mansfield

Acacia Ridge Algester . Anstead Archerfield Aspley Bald Hills Banyo Bellbowrie Belmont Berrinba Boondal1 Bracken Ridge Bridgeman Downs Brighton **Brookfield** Burbank Calamvale Capalaba West Carsel dine Chandler Chapel Hill Chermside Chermside West Cooper's Plains Cribb Island Darra

Deagon

Doolandella

Drewvale

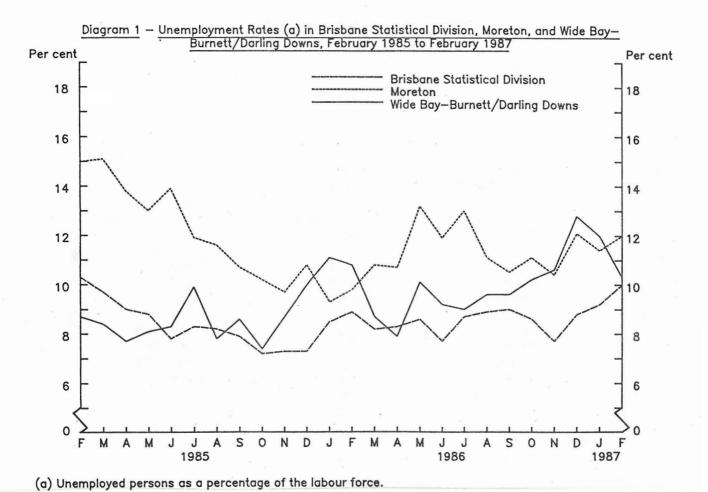
Durack Eagle Farm Eight Mile Plains Ellen Grove Enoggera State Forest **Everton Park** Ferny Grove Fig Tree Pocket Fitzgibbon Geebung Gumdale Heathwood Hemmant Inala Jamboree Heights Jindalee Karawatha Kenmore Kenmore Hills Keperra Kuraby Larapinta Lota Lower Nudgee Lytton MacGregor Mackenzie Manly Manly West

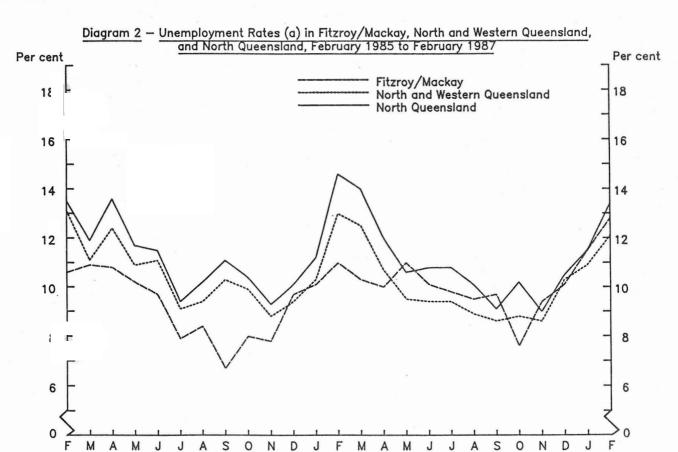
McDowa 11 Middle Park Mitchelton Moggil1 Moggill State Forest Moreton Island (including Bishop, Fisherman, Green, Mud, St Helena, and Whyte Islands) Mount Coot-tha Park Mount Gravatt Mount Gravatt East Mount Ommaney Murarrie Nathan Northgate Nudgee Nudgee Beach 0x1ey Pallara . Parkinson Pinjarra Hills Pinkenba **Pullenvale** Ransome Richlands

Riverhills

Sandgate Seventeen Mile Rocks Stretton Sumner Sunnybank Sunnybank Hills Taigum The Gap Tingalpa Underwood Upper Brookfield Upper Kedron Upper Mount Gravatt Virginia Wacol Wakerley Wavell Heights Westlake Willawong Wishart Wynnum Wynnum West

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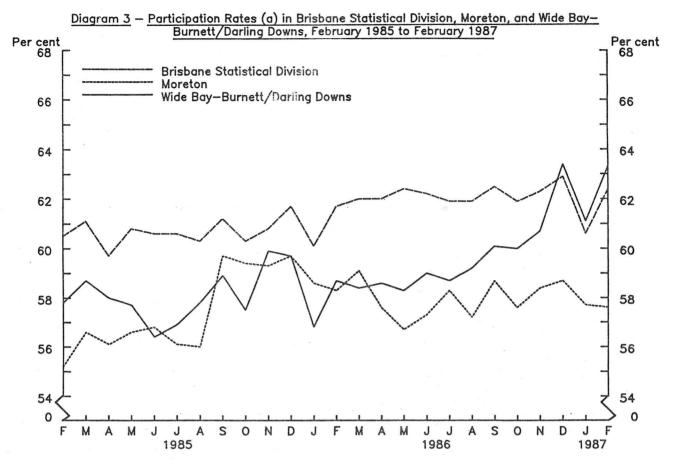
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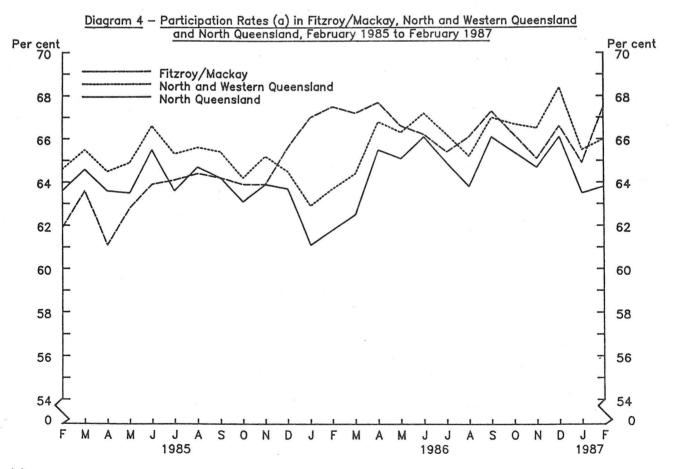
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(a) Unemployed persons as a percentage of the labour force.



(a) The labour force as a percentage of the civilian population aged 15 years and over.



(a) The labour force as a percentage of the civilian population aged 15 years and over.

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions

by Sex and Age Group, Queensland, December 1986 to February 1987

	1.70 PO	Une	mployed	Total	labour force	Not in
Particulars	Employed .	Number	Unemployment rate (a)	Number	Participation rate (b)	- labour force
	'000	'000	g	1000	g,	' 000
			Brisbane Statis	tical Div	ision	
December 1986						
Males	310.9	27.6	8.2	338.5	77.2	99.8
Females	210.2	22.6	9.7	232.9	49.6	237.0
Persons	521.1	50.2	8.8	571.4	62.9	336.8
January 1987						
Males	303.5	30.3	9.1	333.8	76.0	105.3
Females	197.3	20.3	9.3	217.6	46.2	253.1
Persons	500.8	50.6	9•2	551.4	60.6	358.4
Males	303.5	31.6	9.4	335.1	76.2	104.
Females	208.3	25.5	10.9	233.8	49.6	237.8
Persons	511.8	57.1	10.0	568.9	62.4	342.6
Age group					77.6	57.
15-24 years	118.7	30.8	20.6	149.5	73.5	53.9
15-19 years	51.3	17.8	25.7	69.0	64.7 83.2	37.1 16.2
20-24 years	67.5	13.0	16.1	80.5		74.2
25-44 years	272.8 120.2	17.3 9.0	6.0 7.0	290.1 129.2	79.6 37.6	214.4
February 1986	501.7	45.2	8.3	546.8	61.2	347.
February 1987	511.2	52.6	9.3	563.9	62.0	345.9
February 1987	511.2		week and the second	563.9 ne City	62.0	345.9
February 1987 December 1986	511.2		week and the second		62.0	345.9
	194.6		week and the second	ne City 211.7	74.9	70 •
December 1986		17.1 14.3	8•1 9•6	211.7 148.7	74 . 9 48 . 7	70 • 156 •
December 1986 Males Females	194.6	52.6	Brisbar 8•1	ne City 211.7	74 . 9 48 . 7	70 . 156 .
December 1986 Males Females Persons January 1987	194.6 134.4 329.0	17.1 14.3 31.4	8.1 9.6 8.7	211.7 148.7 360.4	74.9 48.7 61.3	70 · 156 · 227 · 1
December 1986 Males Females Persons January 1987 Males	194.6 134.4 329.0	17.1 14.3 31.4	8.1 9.6 8.7 8.5	211.7 148.7 360.4 209.4	74.9 48.7 61.3	70° 156° 227°
December 1986 Males Females January 1987 Males Females	194.6 134.4 329.0 191.5 127.0	17.1 14.3 31.4 17.9 11.7	8.1 9.6 8.7 8.5 8.4	211.7 148.7 360.4 209.4 138.8	74.9 48.7 61.3 74.0 45.0	70° 156° 227° 73° 169°
December 1986 Males Females January 1987 Males Females Persons Females Persons February 1987	194.6 134.4 329.0	17.1 14.3 31.4	8.1 9.6 8.7 8.5 8.4 8.5	211.7 148.7 360.4 209.4	74.9 48.7 61.3 74.0 45.0 58.9	70 • 156 • 227 • 73 • 169 • 242 •
December 1986 Males Females January 1987 Males Females Persons February 1987 Males	194.6 134.4 329.0 191.5 127.0 318.6	17.1 14.3 31.4 17.9 11.7 29.6	8.1 9.6 8.7 8.5 8.4 8.5	211.7 148.7 360.4 209.4 138.8 348.2	74.9 48.7 61.3 74.0 45.0 58.9	70.° 156. 227.° 73.° 169. 242.°
December 1986 Males Females January 1987 Males Females Persons February 1987 Males February 1987 Males Females Females	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4	17.1 14.3 31.4 17.9 11.7 29.6	8.1 9.6 8.7 8.5 8.4 8.5	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6	74.9 48.7 61.3 74.0 45.0 58.9	70.° 156. 227.° 73. 169. 242.°
December 1986 Males Females January 1987 Males Females Persons February 1987 Males	194.6 134.4 329.0 191.5 127.0 318.6	17.1 14.3 31.4 17.9 11.7 29.6	8.1 9.6 8.7 8.5 8.4 8.5	211.7 148.7 360.4 209.4 138.8 348.2	74.9 48.7 61.3 74.0 45.0 58.9	70.° 156. 227.° 73. 169. 242.°
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Females Persons Females Persons	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9	17.1 14.3 31.4 17.9 11.7 29.6	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7	70. 156. 227. 73. 169. 242. 73. 156. 230.
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Females Persons Females Females Females Females Females Age group	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7 73.0 61.3	70.° 156. 227.° 73.° 169. 242.° 73.° 156. 230.
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Persons February 1987 Males Females Females 15-24 years 20-24 years	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9 77.9 30.5 47.3	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1 18.8 24.5 14.6	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7	70.° 156. 227.° 73.° 169. 242.° 73. 156. 230. 35. 25.
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Females Persons Females Females Females Females 15-19 years	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9 77.9 30.5 47.3 162.4	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3 18.0 9.9 8.1 8.8	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1 18.8 24.5 14.6 5.1	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2 95.9 40.4 55.4	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7 73.0 61.3 84.8 80.7	70° 156° 227° 73° 169° 242° 73° 156° 230° 35° 25° 10° 41°
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Persons February 1987 Males Females Females 15-24 years 20-24 years	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9 77.9 30.5 47.3 162.4	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1 18.8 24.5 14.6 5.1	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7 73.0 61.3 84.8 80.7	70.156.227.673.169.242.673.156.230.35.25.10.41.
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Persons February 1987 Males Females Persons Age group 15-24 years 15-19 years 20-24 years 25-44 years 45 years and over Average for 3 months ended	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9 77.9 30.5 47.3 162.4 82.6	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3 18.0 9.9 8.1 8.8 5.5	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1 18.8 24.5 14.6 5.1 6.3	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2 95.9 40.4 55.4	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7 73.0 61.3 84.8 80.7 36.5	70.9 156.7 227.6 73.5 169.4 242.9 73.0 156.0 230.0 35.1 25.0 10.0 41.1
December 1986 Males Females Persons January 1987 Males Females Persons February 1987 Males Females Persons Age group 15-24 years 15-19 years 20-24 years 45 years and over	194.6 134.4 329.0 191.5 127.0 318.6 189.5 133.4 322.9 77.9 30.5 47.3 162.4 82.6	17.1 14.3 31.4 17.9 11.7 29.6 18.1 14.2 32.3 18.0 9.9 8.1 8.8	8.1 9.6 8.7 8.5 8.4 8.5 8.7 9.6 9.1 18.8 24.5 14.6 5.1 6.3	211.7 148.7 360.4 209.4 138.8 348.2 207.6 147.6 355.2 95.9 40.4 55.4	74.9 48.7 61.3 74.0 45.0 58.9 73.7 48.6 60.7 73.0 61.3 84.8 80.7 36.5	70.9 156.7 227.6 73.5 169.4 242.9 73.9 156.1 230.0 41.0 153.1

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, December 1986 to February 1987 (continued)

	Con Lound	Une	mployed	Total I	abour force	Not in labour
Particulars	Employed	Number	Unemployment rate (a)	Number	Participation rate (b)	force
	1000	'000	Z	'000	K	'000
			Inner	Suburbs		
December 1986						
Males	88.2	8.6	8.9	96.9	72.6	36.6
Females	65.2	6.3	8.9	71.5	48.1	77.2
Persons	153.4	14.9	8.9	168.4	59.7	113.8
January 1987						
Males	91 • 4	6.5	6.7	97.9	71.7	38.6
Females	62.0	5.8	8.5	67.8	44.6	84.1
Persons	153.4	12.3	7.4	165.7	57.5	122.7
February 1987					70.4	77.0
Males	89.5	8.8	8.9	98.3	72.4	37.5
Females	65.6	6.7	9.2	72.2	48.3	77.3
Persons	155.1	15.4	9.1	170.6	59.8	114.8
Age group					77.0	17.0
15-24 years	38.7	8.1	17.3	46.8	77.9	13.2
15-19 years	12.2	3.0	19.6	15.2	63.8	8.6
20-24 years	26.5	5.1	16.1	31.6	87.2	4.6
25-44 years	79.7	3.8	4.6	83.5	81.7	18.7
45 years and over	36.7	3.5	8.8	40.3	32.7	82.9
Average for 3 months ended						
February 1986	152.3	15.7	9.4	168.1	58.5	119.4
February 1987	154.0	14.2	8.5	168.2	59.0	117.1
			Outer	Suburbs		
December 1986	otgovic – vilga dvetk - viliga (or « dys litor y de caylos) fing y de viligings (nij va or veni fina de		mer mer offense ung de souvelleur ger dem ger op en diet der on enkeler it die in von faus ein wermen.			
Males	106.4	8.5	7.4	114.9	77.0	34.2
Females	69.2	8.0	10.3	77.2	49.3	79.5
Persons	175.6	16.4	8.6	192.1	62.8	113.7
January 1987						
Males	100.2	11.3	10.2	111.5		34.9
Females	65.0	6.0	8.4	70.9		85.4
Persons February 1987	165.2	17.3	9.5	182.5	60.3	120.2
Males	99.9	9.4	8.6	109.3	75.0	36.4
Females	67.8	7.5	10.0	75.3	48.9	78.8
Persons	167.8	16.9	9.1	184.6	61.6	115.2
Age group						
15-24 years	39.2	9.9	20.2	49.1	68.8	22.
15-19 years	18.4	6.9	27.3	25.3	59.8	17.0
20-24 years	20.8	3.0	12.7	23.8	81.7	5.2
25-44 years		5.0		87.6		22 . 4
45 years and over	45.9	*	*	47.9	40.4	70.0
Average for 3 months ended						
February 1986	170.9	12.0	6.6	182.9	61.4	114.8
February 1987	169.5	16.9	9.1	186.4	61.6	116.4

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, December 1986 to February 1987 (continued)

		Uner	mployed	Total I	abour force	Not in
Particulars	Employed .	Number	Unemployment rate (a)	Number	Participation rate (b)	force
	'000	1000	8	' 000	%	'000
		Balanc	e of Brisbane S	Statistical	Division	
December 1986						
Males	116.3	10.5	8.3	126.8	81 • 4	28.9
Females	75.8	8.3	9.9	84.2	51.2	80.3
Persons	192.1	18.9	8.9	211.0	65.9	109.2
January 1987						
Males	112.0	12.4	10.0	124.4	79.7	31.8
Females	70.2	8.6	10.9	78.9	48.5	83.7
Persons	182.2	21.0	10.3	203.2	63.8	115.5
February 1987	102.02	2100	1005	-4		
Males	114.1	13.4	10.5	127.5	80.5	30.8
Females	74.9	11.3	13.2	86.2	51.3	81.7
,	188.9	24.7	11.6	213.7	65.5	112.5
Persons	100.9	2447	11.00	2,51,		
Age group	40.0	12.8	23.8	53.6	74.5	18.4
15-24 years	40.9	7.9	27.6	28.6	70.2	12.1
15-19 years	20.7			25.0	80.1	6.2
20-24 years	20.2	4.9	19.5			
25-44 years	110.5	8.5	7.1	119.0	78.2	33.2
45 years and over	37.6	3.5	8.5	41.1	40.3	61.0
Average for 3 months ended						
February 1986	178.4	17.4	8.9	195.9	63.4	113.2
February 1987	187.7	21.5	10.3	209.3	65.1	112.4
			Mor	eton		
December 1986	2					
Males	95.1	13.2	12.2	108.3	70.2	46.1
Females	67.0	9.2	12.1	76.2	47.7	83.6
Persons	162.2	22.4	12.1	184.6		129.7
	102.02	2264	1201	10110	2011	
January 1987	95.6	13.7	12.6	109.3	69.8	47.
Males		7.1	9.6	74.0		87.
Females				183.4		134.5
Persons	162.5	20.9	11.4	103.4	51.1	1340.
February 1987						40.1
Males		11.2		107.4		49.
Females	64.0	10.5		74.5		84.
Persons	160.2	21.8	12.0	181.9	57.6	133.
Age group						
15-24 years	37.7	9.4	20.0	47.1	76.3	14.
15-19 years		5.3	23.0	23.1	69.9	9.
20 - 24 years		4.1	17.1	24.0	83.6	4.
25-44 years •••••••		9.6		93.3		24.
45 years and over		2.8		41.6		94.
Average for 3 months ended	160 4	17.7	9.9	178•1	58.9	124.
February 1986				183.3		132.
February 1987	161.6	21.7	11.8	100.2	70.0	1220

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, December 1986 to February 1987 (continued)

	Employed	Une	mployed	Total	labour force	Not in
Particulars	Zmp royeo	Number	Unemployment rate (a)	Number	Participation rate (b)	force
	1000	' 000	%	1000	g,	' 000
		W	ide Bay-Burnet	t/Darling [Downs	
December 1986						
Males	91.5	13.2	12.6	104.7	78.2	29.2
Females	57.7	8.7	13.1	66.4	48.8	69.8
Persons	149.2	21.9	12.8	171.1	63.4	98.9
Males	93.1	12.4	11.8	105.6	78.5	28.9
Females	52.9	7.4	12.3	60.3	44.0	76.7
Persons	146.0	19.8	12.0	165.8	61.1	105.6
February 1987						
Males	93.6	11.4	10.8	105.0	79.6	26.8
Females	57.3	6.0	9.5	63.4	47.2	71 .0
Persons	151.0	17.4	10.3	168.4	63.3	97.8
Age group						
15-24 years	38.6	8.3	17.6	46.9	74.2	16.3
15-19 years	18.6	5.3	22.1	23.8	65.4	12.6
20-24 years	20.1	3.0	13.0	23.1	86.2	3.
25-44 years	75.5	5.3	6.6	80.8	78.1	22.7
45 years and over	36.8	3.8	9.4	40.6	40.9	58.8
Average for 3 months ended						
February 1986	126.0	15.0	10.6	140.9	-58.4	100.3
February 1987 ·····	148.7	19.7	11.7	168.4		100.5
			Fitzroy	/Mackay		
December 1986		-				
Males	74.3	6.9	8.5	81.2	84.2	15.3
Females	36.9	5.5	13.0	42.4		46.9
Persons	111.2	12.5	10.1	123.7		62.1
January 1987	2	1200	1001	12501	00.0	02.
Males	73.8	7.7	9.4	81.4	82.2	17.
Females	34.8	6.4	15.5	41.2		48.6
Persons	108.5	14.0	11.5	122.6		66.3
February 1987	1000	1400	1100	122.0	04.9	00.
Males	73.6	8.7	10.5	82.3	82.7	17.2
Females	40.6	8.1	16.7	48.7		45.8
Persons	114.2	16.8	12.8	131.0		63.
Age group				15100	0703	05.
15-24 years	26.0	8.7	25.2	34.7	72.4	13.
15-19 years	9.0	4.8	35.1	13.8		8.
20-24 years	17.0	*	*	20.9		4.
25-44 years	63.2	5.7	8.3	68.9		15.5
45 years and over	25.0	*	*	27.4		34.4
Average for 3 months ended						
February 1986	114 6	17 1	40.7	40= -		
	114.6	13.1	10.3	127.7		63.8
February 1987	111.3	14.4	11.5	125.7	66.3	63.8

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, December 1986 to February 1987 (continued)

		Une	mployed	Total I	abour force	Not in
Particulars	Employed ·	Number	Unemployment rate (a)	Number	Participation rate (b)	· labour force
	'000	'000	g,	' 000	K	1000
			North and West	ern Queensl	and	
December 1986						
Males	110.5	12.3	10.0	122.7	81.8	27.4
Females	67.1	8.0	10.7	75.1	53.9	64.2
Persons	177.5	20.3	10.3	197.8	68.4	91.6
January 1987						
Males	103.2	12.5	10.8	115.7	79.1	30.5
Females	62.7	7.7	10.9	70.4	51.0	67.7
Persons	165.9	20.2	10.9	186.1	65.5	98.2
February 1987						
Males	105.3	14.1	11.8	119.4	79.8	30.1
Females	62.6	9.1	12.7	71.7	51.2	68.5
Persons	167.9	23.2	12.1	191.1	66.0	98.6
Age group						
15-24 years	36.3	11.3	23.7	47.5	76.6	14.5
15-19 years	14.9	6.0	28.7	21.0	67.0	10.3
20-24 years	21.3	5.3	19.8	26.6	86.5	4.2
25-44 years	87.4	9.2	9.6	96.7	80.0	24.
45 years and over	44.2	*	*	46.9	43.9	60.0
Average for 3 months ended				,		
February 1986	167.6	20.5	10.9	188.2	63.7	107.1
February 1987	170.4	21.2	11.1	191.7	66.6	96.1
			North Qu	eensland		
December 1986						
Males	86.3	9.3	9.7	95.6	79.5	24.
Females	52.8	7.1	11.8	59.9	52.1	55.2
Persons	139.1	16.4	10.5	155.5	66.1	79.9
January 1987						
Males	79.9	10.6	11.7	90.5	77.1	26.
Females	49.3	6.3	11.2	55.6	49.3	57.
Persons	129.3	16.9	11.5	146.1	63.5	84.
February 1987						
Males	80.6	11.7	12.7	92.3	76.9	27.
Females	48.8	8.3	14.5	57.1	49.9	57.
Persons	129.4	20.0	13.4	149.4	63.8	84.
Age group						
15-24 years	28.1	9.2	24.8	37.3	75.5	12.
15-19 years	12.5	5.0	28.7	17.5	66.1	9.
20-24 years	15.6	4.2	21.2	19.8	86.3	3.
25-44 years	67.3	8.4	11.1	75.7	80.0	19.
45 years and over	34.0	*	*	36.4	40.3	53.
Average for 3 months ended						
•	131.3	17.8	11.9	149.1	62.2	90.
February 1986	10100	17.0	1100	17701	0=-=	

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over in Labour Force Regions by Sex and Age Group, Queensland, December 1986 to February 1987 (continued)

Number Unemployment Number Participation Frate (a) Participation Frate (b)		Employed	Une	mployed	Total I	abour force	Not in labour
Total Queensland December 1986 Males	Particulars	Emproyed	Number		Number		force
December 1986 Males		1000	' 000	%	'000	Z,	'000
Males 682.3 73.2 9.7 755.5 77.6 22 Females 438.9 54.1 11.0 493.1 49.6 59 Persons 1,121.2 127.3 10.2 1,248.5 63.5 77 January 1987 Males 669.1 76.6 10.3 745.8 76.5 22 Females 414.6 48.9 10.6 463.6 46.5 59 Persons 1,083.7 125.6 10.4 1,209.3 61.3 77 February 1987 Males 672.3 76.9 10.3 749.2 76.6 22 Females 432.7 59.3 12.1 492.0 49.2 59 Persons 1,105.0 136.2 11.0 1,241.3 62.8 78 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6				Total Que	ensland		
Females 438.9 54.1 11.0 493.1 49.6 55.7 Persons 1,121.2 127.3 10.2 1,248.5 63.5 77.2 January 1987 Males 669.1 76.6 10.3 745.8 76.5 22.2 Females 414.6 48.9 10.6 463.6 46.5 55.2 Persons 1,083.7 125.6 10.4 1,209.3 61.3 77.2 February 1987 Males 672.3 76.9 10.3 749.2 76.6 27.2 Females 432.7 59.3 12.1 492.0 49.2 55.2 Persons 1,105.0 136.2 11.0 1,241.3 62.8 77.2 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 15.6 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6 <td>December 1986</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	December 1986						
Persons 1,121.2 127.3 10.2 1,248.5 63.5 January 1987 Males 669.1 76.6 10.3 745.8 76.5 2 Females 414.6 48.9 10.6 463.6 46.5 5 Persons 1,083.7 125.6 10.4 1,209.3 61.3 7 February 1987 Males 672.3 76.9 10.3 749.2 76.6 2 Females 432.7 59.3 12.1 492.0 49.2 5 Persons 1,105.0 136.2 11.0 1,241.3 62.8 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6	Males	682.3	73.2	9.7	755.5	77.6	217.6
January 1987 Males 669.1 76.6 10.3 745.8 76.5 2 Females 414.6 48.9 10.6 463.6 46.5 5 Persons 1,083.7 125.6 10.4 1,209.3 61.3 7 February 1987 672.3 76.9 10.3 749.2 76.6 2 Females 432.7 59.3 12.1 492.0 49.2 5 Persons 1,105.0 136.2 11.0 1,241.3 62.8 7 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 1 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6 1	Females	438.9	54.1	11.0	493.1	49.6	501.5
Males 669.1 76.6 10.3 745.8 76.5 2 Females 414.6 48.9 10.6 463.6 46.5 5 Persons 1,083.7 125.6 10.4 1,209.3 61.3 7 February 1987 672.3 76.9 10.3 749.2 76.6 2 Females 432.7 59.3 12.1 492.0 49.2 5 Persons 1,105.0 136.2 11.0 1,241.3 62.8 7 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 1 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6	Persons	1,121.2	127.3	10.2	1,248.5	63.5	719.1
Females	January 1987						
Persons	Males	669.1	76.6	10.3	745.8	76.5	229.6
February 1987 Males	Females	414.6	48.9	10.6	463.6	46.5	533.4
Males 672.3 76.9 10.3 749.2 76.6 2 Females 432.7 59.3 12.1 492.0 49.2 5 Persons 1,105.0 136.2 11.0 1,241.3 62.8 7 Age group 257.3 68.5 21.0 325.7 74.3 1 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6 10.0 <td< td=""><td>Persons</td><td>1,083.7</td><td>125.6</td><td>10.4</td><td>1,209.3</td><td>61.3</td><td>763.0</td></td<>	Persons	1,083.7	125.6	10.4	1,209.3	61.3	763.0
Females 432.7 59.3 12.1 492.0 49.2 59.3 Persons 1,105.0 136.2 11.0 1,241.3 62.8 Age group 257.3 68.5 21.0 325.7 74.3 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6	February 1987						
Persons 1,105.0 136.2 11.0 1,241.3 62.8 Age group 15-24 years 257.3 68.5 21.0 325.7 74.3 1 15-19 years 111.5 39.2 26.0 150.7 65.6 20-24 years 145.8 29.3 16.7 175.0 83.9 25-44 years 582.7 47.2 7.5 629.9 79.6	Males	672.3	76.9	10.3	749.2	76.6	228.4
Age group 15-24 years	Females	432.7	59.3	12.1	492.0	49.2	507.4
15-24 years	Persons	1,105.0	136.2	11.0	1,241.3	62.8	735.8
15-19 years	Age group						
20-24 years	15-24 years	257.3	68.5	21.0	325.7	74.3	112.6
25-44 years 582.7 47.2 7.5 629.9 79.6	15 - 19 years	111.5	39.2	26.0	150.7	65.6	79.1
7	20-24 years	145.8	29.3	16.7	175.0	83.9	33.5
45 years and over •••••• 265.1 20.6 7.2 285.7 38.2	25-44 years	582.7	47.2	7.5	629.9	79.6	161.3
	45 years and over	265.1	20.6	7.2	285.7	38.2	462.0
Average for 3 months ended	Average for 3 months ended						
February 1986 1,070.2 111.5 9.4 1,181.7 61.4	February 1986	1,070.2	111.5	9.4	1,181.7	61.4	742.9
February 1987 1,103.3 129.7 10.5 1,233.0 62.5	February 1987	1,103.3	129.7	10.5	1,233.0	62.5	739.3

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 3 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Labour Force Region
as a Proportion of Total Queensland, February 1986 and February 1987

(per cent)

170 x 5 x 4 5 2 x 1 x	(per	cent)		
Region	Employed	Unemployed	Total labour force	Not in labour force
		Februa	ary 1986	
Brisbane Statistical Division	47.1	40.8	46.4	46.4
Brisbane City	30.5	24.6	29.9	31.5
Inner Suburbs	14.2	13.3	14.1	16.0
Outer Suburbs	16.2	11.3	15.7	15.5
Balance of B.S.D	16.6	16.3	16.6	14.9
Moreton	14.7	14.2	14.7	16.9
Wide Bay-Burnett/Darling				
Downs	11.9	12.7	11.9	13.5
Fitzroy/Mackay ······	10.9	11.9	11.0	8.5
North and Western Queensland	15.5	20.4	16.0	14.6
North Queensland	12.0	18.2	12.6	12.5
Total Queensland	100.0	100.0	100.0	100.0
	n er en	Febru	ary 1987	4
	46.7	41.9	45.8	46.6
Brisbane Statistical Division	46.3 29.2	23.7	28.6	31.3
Brisbane City	14.0	11.3	13.7	15.6
Inner Suburbs	15.2	12.4	14.9	15.7
Balance of B.S.D.	17.1	18.2	17.2	15.3
Moreton	14.5	16.0	14.7	18.2
Wide Bay-Burnett/Darling				
Downs	13.7	12.8	13.6	13.3
Fitzroy/Mackay ······	10.3	12.3	10.6	8.6
North and Western Queensland	15.2	17.0	15.4	13.4
North Queensland	11.7	14.7	12.0	11.5
Total Queensland	100.0	100.0	100.0	100.0

Table 4 - Employed Persons (a) by Industry Division and Occupation Group in Labour Force Regions, Queensland, February 1987

	Br	isbane Si	tatistic	al Divisi	on		Wide		Nonth		
Deatherland	Br	isbane Ci	i †y	D . I		-	Bay-	Fitzroy		n and n Qld	Total Qld
Particulars	Inner Suburbs	Outer Suburbs	Total	Balance of B.S.D.	Total	Moreton	Moreton Burnett Darling Downs		North QId	Total	. QIQ
	,				Indus	try Divi	sion		N		
Agriculture, forestry, fishing, hunting	*		*	3.4	4.0		28.1	16.9	13.6	24.1	87.5
Mining	*	*	*	2.5	4.3	*	*	7.6	*	8 • 1	22.0
Manufacturing	16.3	25.8	42.1	32.3	74.4	16.5	16.2	13.9	10.6	11.9	132.8
Electricity, gas, and water	*	*	4.4	*	6.8	*	2.8	*	*	3.2	17.2
Construction	9.5	14.2	23.7	14.3	37.9	19.1	8.5	9.8	10.4	12.3	87.0
Wholesale and retail trade	31.0	42.7	73.6	47.2	120.8	37.3	31.3	17.5	27.4	32.1	239.
Transport and storage	9.5	11.2	20.7	14.6	35.4	4.9	9.6	8.9	11.5	14.0	72.
Communication	3.4	4.7	8.1	3.9	12.0	2.5	*	*	3.1	3.5	21 .
Finance, property, and business services	23.3	19.0	42.3	16.9	59.3	17.7	9.3	6.4	9.0	10.6	103.
Public administration and defence	9.1	7.7	16.8	10.8	27.6	4.3	6.2	*	7.1	8.4	49.
Community services	35.4	27.9	63.4	31.3	94.7	20.5	26.3	17.1	22.9	26.9	185.
Recreation, personal, and other services	14.5	10.8	25.3	9.4	34.6	20.7	9.6	8.5	9.2	13.0	86.
Total employed	155.1	167.8	322.9	188.9	511.8	160.2	151.0	114.2	129.4	167.9	1,105.0
Wage and salary earners	136.9	148.7	285.6	164.1	449.7	115.8	109.2	87.6	99.9	127.2	889.
Other	18.2	19.1	37.3	24.8	62.1	44.4	41.8	26.6	29.5	40.8	215.
					0 c cu	pation G	roup				
Managers and administrators	7.0	9.7	16.7	11.4	28.0	21.0	24.0	16.7	13.9	21.1	110.9
Professionals	27.3	18.9	46.2	14.6	60.8	14.1	13.8	10.8	11.6	13.5	113.
Para-professionals	11.5	8.4	19.9	12.4	32.3	5.4	7.1	5.0	8.3	10.4	60.
Tradespersons	19.7	27.3	47.0	35.7	82.7	30.0	21.5	18.2	23.0	30.0	182.
Clerks	34.4	39.0	73.3	34.5	107.8	21.2	18.4	13.5	19.3	23.6	184.
Salespersons and professional service											
workers	25.3	29.0	54.3	31.5	85.8	33.5	21.4	15.3	20.2	24.3	180.
Plant and machine operators, and drivers	8.4	12.0	20.4	15.5	35.9	10.1	13.6	12.5	11.0	14.1	86.
Labourers and related workers	21.6	23.6	45.2	33.2	78.4	24.9	31.2	22.2	22.1	31.0	187.
Total employed	155.1	167.8	322.9	188.9	511.8	160.2	151.0	114.2	129.4	167.9	1,105.0

⁽a) Civilians aged 15 years and over.

Table 5 - Unemployed Persons by Duration of Unemployment (a) in Labour Force Regions, Queensland,

December 1985 to February 1986 and December 1986 and February 1987

Destan	Under 13 weeks	13 weeks and over	Median duration	Median duratio
Region	'000	' 000	weeks	weeks
		December 1986		December 1985
Brisbane Statistical Division	24.4	25•9	13.0	1.3.0
Brisbane City	16.0	15.4	11.0	13.0
Inner Suburbs	7.1	7.8	13.0	13.0
Outer Suburbs	8.9	7.6	10.0	*
Balance of B.S.D	8.4	10.5	18.0	17.0
Moreton	.10.8	11.6	13.0	18.0
Wide Bay-Burnett/Darling Downs	10.2	11.7	14.0	24.0
itzroy/Mackay ·····	5.9	6.6	17.0	18.0
North and Western Queensland	11.1	9.2	10.0	13.0
North Queensland	9.3	7.1	8.0	13.0
Total Queensland	62.3	65.0	13.0	15.0
		January 1987	, 0 ×	January 1986
Brisbane Statistical Division ••••	25.5	25.1	12.0	9.0
Brisbane City	15.8	13.8	10.0	8.0
Inner Suburbs	6.0	6.3	13.0	8.0
Outer Suburbs	9.8	7.5	9.0	8.0
Balance of B.S.D	9.6	11.4	16.0	13.0
Moreton	9.4	11.4	16.0	10.0
Wide Bay-Burnett/Darling Downs •••	9.1	10.8	17.0	10.0
Fitzroy/Mackay ·····	6.8	7.2	16.0	15.0
North and Western Queensland	11.9	8.3	8.0	8.0
North Queensland	10.5	6.4	7.0	9.0
Total Queensland	62.6	62.9	13.0	10.0
		February 1987		February 1986
Brisbane Statistical Division	28.1	28.9	13.0	8.0
Brisbane City	16.3	16.1	12.0	8.0
Inner Suburbs	7.1	8.3	13.0	9.0
Outer Suburbs	9.1	7.8	12.0	7.0
Balance of B.S.D	11.9	12.9	13.0	8.0
Moreton ······	9.8	11.9	14.0	16.0
Wide Bay-Burnett/Darling Downs •••	7.1	10.3	21.0	14.0
Fitzroy/Mackay ·····	8.1	8.7	13.0	13.0
North and Western Queensland	12.6	10.5	10.0	10.0
North Queensland	11.7	8.3	10.0	11.0
Total Queensland	65.8	70.4	13.0	11.0

⁽a) See Explanatory Notes.

Estimation Procedure

The labour force estimates are derived from the monthly population survey and are calculated in such a way as to add to the independently estimated distribution of the population agec 15 years and over by age and sex. This procedure compensates for under-enumeration in the survey and leads to more reliable estimates.

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.

Reliability of the Estimates

As with other labour force survey estimates, regional estimates are subject to sampling error and non-sampling error. Since regional estimates for particular labour force characteristics are components of corresponding estimates at the State level, they are subject to higher relative standard errors. As noted above, the use of regional benchmarks in the estimation of regional estimates is not possible.

For these reasons, users should note that regional estimates may be more volatile than corresponding State estimates and thus they should not be regarded as reliable indicators of short-term (monthly) movements.

The sampling error is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. 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. The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error.

Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates and monthly movements should be determined by using Tables A and B.

The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

As the standard errors in Table A show, the smaller the estimate the higher is the relative standard error. Very 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 uses. In the tables in this publication, estimates below the levels shown in Table A, and percentages based on such estimates, have not been included but are indicated by *. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable. See text below concerning the higher publication cut-off point for estimates of median duration of unemployment.

The movement in the level of an estimate is also subject to sampling variability. 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. The estimates of standard error of monthly movements apply only to estimates of movements between consecutive two months. Movements between corresponding months consecutive quarters (quarterly corresponding months of consecutive years (annual movements), and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. Standard errors of quarterly movements can be obtained by multiplying the figures in Table B by 1.4. Standard errors of all annual movements can be obtained by multiplying the figures in Table A bv 1.4. When using Table A or Table B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

Examples of the calculation and use of standard errors are given in the ABS publication 'The Labour Force' (Catalogue No. 6201.3).

Table A - Standard Errors of Labour Force Estimates (a)

	Bris	bane			Brisbar	ne City				nce of			Wide	-	F4+-	roy/	Nort	h and	Me	orth		
Size of estimate	Divi	istical ision	Inr Subu		Out Subu		Tot	:a1	Stati	istical ision	More	eton	Darling Downs		Darling Mackay		Western Queensland			ensland Queens		nsland
		idard ror		dard		dard		dard		ndard rror		idard ror		dard		dard ror		dard ror		ndard rror		ndard ror
	No.	%	No.	%	No.	ч	No.	%	No.	%	No.	Z	No.	%	No.	%	No.	%	No.	%	No.	%
2,500	*	*	580	23.03	570	22.75	610	24.58	580	23.06	620	24.67	600	24.12	*	*	*	*	*	*	*	*
3,000	690	23.16	630	21.08	620	20.82	660	22.12	630	21.18	680	22.58	660	22.08	*	*	750	25.00	760	25.41	690	23.16
4,000	800	19.91	730	18.34	720	18.11	750	18.76	730	18.36	790	19.64	770	19.21	960	23.92	870	21.75	880	22.10	800	19.91
5,000	880	17.67	820	16.47	810	16.27	830	16.52	820	16.49	880	17.64	860	17.25	1,070	21.48	970	19.53	990	19.35	880	17.67
6,000	960	16.02	910	15.09	890	14.90	890	14.90	910	15.11	970	16.16	950	15.81	1,180	19.68	1,070	17.90	1,090	18.19	960	16.02
8,000	1,090	13.68	1,050	13.15	1,040	12.99	1,010	12.66	1,050	13.17	1,130	14.09	1,100	18.78	1,370	17.15	1,250	15.60	1,270	15.85	1,090	13.68
10,000	1,210	12.09	1,180	11.83	1,170	11.68	1,120	11.17	1,180	11.84	1,270	12.67	1,240	12.38	1,540	15.43	1,400	14.03	1,430	14.26	1,200	12.09
20,000	1,630	8.14	1,710	8.53	1,690	8.42	1,520	7.61	1,710	8.54	1,830	9.14	1,790	8.93	2,230	11.13	2,020	10.12	2,050	10.28	1,650	8.14
30,000	1,930	6.42	2,120	7.07	2,090	6.97	1,830	6.09	2,120	7.07	2,270	7.56	2,220	7.39	2,760	9.21	2,510	8.37	2,550	8.51	1,930	6.42
40,000	2,160	5.40	2,470	6.18	2,440	6.10	2,090	5.21	2,470	6.19	2,650	6.62	2,590	6.47	3,220	8.06	2,930	7.33	2,980	7.45	2,160	5.40
50,000	2,360	4.72	2,790	5.57	2,750	5.50	2,310	4.62	2,790	5.58	2,990	5.97	2,920	5.84	3,630	7.27	3,310	6.61	3,350	6.72	2,350	4.72
100,000	3,070	3.07	4,060	4.06	4,010	4.01	3,200	3.20	4,060	4.06	4,350	4.35	4,250	4.25	5,290	5.29	4,810	4.81	4,900	4.89	3,050	3.07
200,000	3,930	1.96	5,940	2.97	5,870	2.93	4,450	2.22	5,950	2.97	6,890	3.44	6,730	3.37	8,380	4.19	7,620	3.81	7,160	3.58	3,950	1.96

⁽a) Regional estimates smaller than those shown in this table are not published.

Technical Notes (continued)

Reliability of the Estimates (continued)

The relative standard errors of estimates of median duration of unemployment are obtained by first finding the relative standard error of he estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure so obtained by 2.0. The publication cut-off point for estimates of median duration of unemployment is 10,800 persons.

The imprecision due to sampling variability, which is measured by the standard error, should

not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in the recording and coding of data, and errors made in the processing of data. Inaccuracies of this kind are referred to as the non-sampling error, and they 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.

Table B - Standard Errors of Estimates of Monthly Movements

Size of	Brisbane Statist	Bri	sbane C1	ty	Balance of Bris-	Moreton	Wide Bay- Burnett/	Fitzroy/	North , and	North	Queens-
larger estimate	ical Division	Inner Sub- urbs	Outer Sub- urbs	Total	Statist- ical Division		Darling Downs	Mackay	Western Queens- land	Queens- land	land
1,500						360					
1,800			410		440	390					
2,000		480	430		460	410	470	480			
2,500	640	520	470	570	500	440	520	520	580	550	640
3,000	680	560	500	600	540	480	560	560	620	600	680
4,000	760	630	560	670	610	540	620	630	690	670	760
5,000	820	690	620	720	660	590	680	690	760	730	820
6,000	880	740	660	770	710	630	730	740	820	780	880
8,000		830	740	850	800	710	820	830	910	880	970
10,000		900	810	920	870	770	900	910	1,000	960	1,050
20,000		1,190	1,070	1,180	1,150	1,020	1,180	1,190	1,320	1,260	1,350
30,000		1,400	1,260	1,350	1,350	1,190	1,390	1,400	1,540	1,490	1,580
40,000		1,570	1,400	1,500	1,520	1,340	1,560	1,570	1,730	1,670	1,750
50,000		1,710	1,540	1,620	1,660	1,460	1,700	1,720	1,890	1,820	1,900
100,000		2,250	2,020	2,070	2,180	1,930	2,240	2,260	2,490	2,400	2,450
200,000		2,960	2,660	2,630	2,870	••	••	• •	• •	• •	3, 150

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	Child Care Arrangements irr		TRANSPORT
	Law and Order, Summary a	0101 0	-
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a - annual, hy - half-yearly, q - quarterly, m - monthly, irr - irregular. ϕ Information shown for each local authority area. # New title to be issued during 1987.