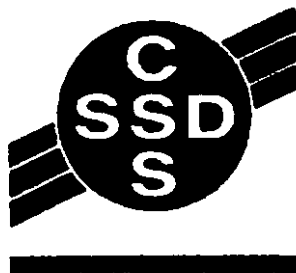


MANPOWER SURVEY 1994 OCCUPATIONAL INFORMATION

*will be replaced
by the Labour Force Survey
(LFS) in 2000.*

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PREFACE

The Manpower Survey has been conducted by the Central Statistical Service on an annual basis since 1987. The information is mainly based on sample surveys and, in some cases, on complete surveys where all relevant firms complete the questionnaire. The results of sample surveys are raised to the universe of the various available industrial censuses, and together with the results of the complete surveys, they represent all occupations in non-agricultural sectors.

This report contains the results of the 1994 Manpower Survey and gives detailed information on occupations for the Republic of South Africa, excluding the former TBVC states. The report also contains information on the total establishment (total number of employees and vacancies) according to the major occupational groups, major industrial divisions, industrial groups and selected individual occupations. Detailed information on occupations in each major division of the Standard Industrial Classification of all Economic Activities is available on request.

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HEAD: CENTRAL STATISTICAL SERVICE

PRETORIA

FEBRUARY 1997

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INTERPRETIVE SUMMARY

According to the 1994 Manpower Survey, a total of 5 396 054 people were employed on 25 March 1994 in formal businesses in non-agricultural sectors (excluding private households). This survey does not cover the unemployed, therefore the statistics is not representative of the economically active population. Although this is an occupational survey, the information on occupations is derived from samples based on total employment within industries.

Although businesses in the agricultural sector and private households are not covered in the Manpower Survey, some occupations that belong to the agricultural sector are found in this publication because the survey is undertaken on the basis of firms. These firms are divided into industrial sectors according to the main economic activity. Therefore a particular firm whose main industrial activity is not classified as forming part of the agricultural sector (e.g. its main activity could be classified as manufacturing) may include branches whose main activities are agricultural. Employees in these branches include agricultural workers.

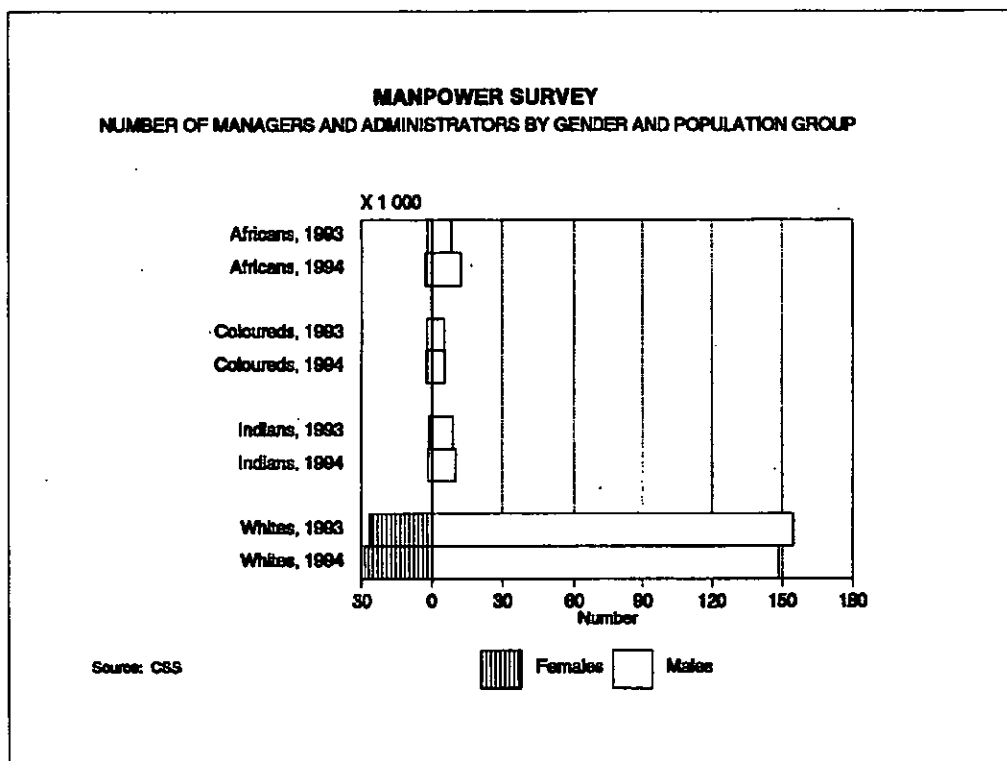
Other CSS labour surveys, for example the short-term manufacturing survey, are based on single institutions (or branches). This survey is based on firms, which may have one or more branches. Therefore the results are not strictly comparable.

The results of the 1994 survey show an overall decrease of 183 473 workers (-3,3%) compared with the survey of 26 March 1993 and a decrease of 460 011 workers (-7,8%) compared with the survey of 27 March 1992. The distribution according to population group is 2 722 335 (50,5%) African/Black workers, 641 955 (11,9%) Coloured workers, 252 016 (4,7%) Indian/Asian workers, 1 483 751 (27,5%) White workers and 295 997 (5,5%) "unspecified" workers. With regard to gender, females represent 1 637 713 (30,4%) workers, males 3 462 344 (64,2%) workers and "unspecified" workers 295 997 (5,5%). The category "unspecified" is the result of certain respondents not specifying the gender or population group of their workers.

OCCUPATIONAL INCREASES

Major category occupational increases:

Managerial, executive and administrative occupations represent 4,1% or 221 319 workers of the total number of workers and show an increase of 9 026 workers (4,3%) compared with the 1993 survey, however, a decrease of 6 323 workers (-2,8%) was recorded compared with the survey of 27 March 1992. The population group distribution of posts in the managerial occupations showed some major changes in 1994 with increases of 50,8% or 4 130 workers among African males, 43,9% or 847 workers among African females, 31,0% or 413 workers among Asian females, 21,0% or 446 workers among Coloured females and 15,2% or 1 329 workers among Asian males. Although a decrease of -4,0% or 6 155 workers was recorded among White male managers this category still remained higher than the other population groups. See graph.



The highest vacancy rate for the 1994 survey namely 3,9% (28 938 vacancies) was recorded in the category professional, semi-professional and technical occupations.

Detailed occupational increases:

In the major occupational group professional, semi-professional and technical occupations, major increases were noted in occupations "therapist not elsewhere classified" (processing code 128) 1 583 workers (7 538,1%), adult education teacher (processing code 161) 4 308 workers or 206,7% and "education professions not elsewhere classified" (processing code 168) 704 workers or 179,6%. This increase can be attributed to workers appointed into newly created posts resulting from restructuring of establishments.

For the managerial, executive and administrative occupations, large increases in occupations "legislative and related official not elsewhere classified" (processing code 233) 222 workers or 151,0% and managers in catering services (processing code 267) 3 859 workers or 60,3% were recorded. The increase was attributed to the expansion of establishments and more appointments. New appointments and restructuring also resulted in an increase of 647 workers or 43,7% for fixed property, insurance, stocks managers (processing code 266).

In the clerical and sales occupations, increases were recorded in the occupation administrative and senior administrative officials (processing code 278) of 13 692 workers or 40,5%. This was due to more workers appointed in these posts.

For the artisans, apprentice and related occupations, an increase of 235 workers or 71,4% for the armature winder artisan (processing code 582), 354 workers or 74,1% for electronic fitter artisan (processing code 596) and 248 workers or 41,6% for woodworking machine operator artisan (processing code 624) was reflected. The increase was due to workers appointed in these posts.

OCCUPATIONAL DECREASES

Major category occupational decreases:

Decreases of more than 5,0% occurred in major occupational groups transport, delivery and communication occupations (-5,3% or 13 688 workers), farming and related occupations (-9,0% or 8 071 workers), production foreman and supervisor, miner and quarry worker, (-5,5% or 21 328 workers), operator, production worker and related semi-skilled worker (-5,5% or 52 084 workers) and labourer (-5,7% or 50 894 workers).

Detailed occupational decreases:

The decrease of 2 107 workers (-40,0%) in the occupation clerical supervisor, cashier and related occupations (processing code 281) was mainly due to retrenchment of workers.

For the occupation air hostess, ground hostess, cabin official, flight steward (processing code 361) the decrease of 1 272 workers (-41,3%) was attributed to restructuring within the firms.

The closure of firms or division of firms resulted in the decrease in the number of workers for the occupations labour, labour relations official (processing code 179), forestry worker (processing code 427) and sheet-metal worker (processing code 546).

INDUSTRIAL SECTORS

The wholesale, retail and motor trade and catering and accommodation services sector is the only sector that showed an increase namely 1,3% or 11 708 workers.

The other industrial sectors showed decreases in the number of workers, with relatively large decreases shown by fishing (-30,8% or 1 052 workers), transport, storage and communication (-9,6% or 35 390 workers), electricity, gas and water (-7,2% or 3 370 workers), manufacturing (-6,0% or 87 573 workers) and mining and quarrying (-5,6% or 30 690 workers).

EXPLANATORY NOTES

1. SCOPE OF THE SURVEY

- 1.1 The survey includes establishments in the PRIVATE SECTOR (individuals, partnerships, companies, co-operatives and close corporations) as well as institutions in the PUBLIC SECTOR (government departments, provincial administrations, the government departments of the former self-governing territories, local authorities, parastatal institutions, universities and technikons, public corporations and agricultural marketing boards) in the Republic of South Africa, excluding the former TBVC states. This problem of exclusion will be addressed in 1996.
- 1.2 The universe consists of firms/establishments in nine major industrial divisions, viz. Fisheries; Mining and quarrying; Manufacturing; Electricity, gas and water; Construction; Trade, catering and accommodation services; Transport, storage and communication; Finance, insurance, real estate and business services and Community, social and personal services. These major divisions are subdivided into groups and subgroups according to the Standard Industrial Classification of all Economic Activities, (fifth edition), January 1993. However, occupational groups derived from these industries are classified according to the Standard Classification of Occupations, (first edition), December 1986.
- 1.3 Workers in the informal sector as well as workers employed in the agricultural sector and domestics and garden workers employed by private households, are excluded. Although the agricultural sector and private households are not covered in the Manpower Survey, occupations such as forester or seed grower that belong in the agricultural sector are sometimes included, because the survey is undertaken on the basis of main economic activity of firms. For example, a particular firm whose main industrial activity is manufacturing may include branches whose main activity is farming and may therefore include agricultural workers.
- 1.4 The survey covers the number of workers in fixed occupational categories according to race and gender, as well as the total number of vacancies in fixed occupational categories.
- 1.5 Questionnaires, processing manuals, the Standard Industrial Classification and the Standard Classification of Occupations are available from the CSS on request.

2. BASIS OF THE SURVEY

- 2.1 The data are collected on the BASIS OF FIRMS. For the purpose of this survey a firm means a legal entity consisting of one or more establishments (branches, including the head office, but excluding holding or subsidiary companies). If the firm consists of more than one establishment, such individual establishments can be active in one sector or distributed over various sectors of the economy (e.g. fishing, mining, manufacturing, commerce and services). A firm is classified according to the sector in which it is predominantly engaged.

3. SURVEY

- 3.1 Approximately 8 810 firms were involved in the 1994 survey. In some cases, for example central government, all departments completed the questionnaire (complete list), whereas in other cases a sample of firms was drawn (as described below).

-All relevant firms completed the questionnaire in the case of:

Electricity, gas and water
Agricultural marketing boards
Banks, building societies and insurance companies
Transnet Ltd
SA Post Office Ltd and Telkom SA Ltd
Central Government
Provincial administrations
Former self-governing territories
SABC
Regional services councils
Parastatal institutions
Universities and technikons

- 3.2 In all other cases a sample was drawn from a list of firms in the following manner:

- The firms in each industrial group/subgroup were divided into one of three categories according to the size of their employment, namely stratum 1, 2 or 3. Stratum 1 consists of large employers, but the actual number of workers in firms in Stratum 1 varies by type of industry. The cut-off points, or proportion of firms drawn for Stratum 1, 2 and 3, were 80%, 15% and 5% respectively. For example in the leather industry, Stratum 1 consists of firms with 80 or more workers, whereas in the clothing industry, it consists of firms with 350 or more workers. Stratum 2 consists of medium-sized firms, also varying according to number of workers by industry, whereas Stratum 3 consists of small-sized firms.

3.3 Sample frame:

- . Census of Mining, 1988 (series 2001), and additions
- . Census of Manufacturing, 1988 (series 3001), and additions
- . Census of Construction, 1988 (series 5001), and additions
- . Wholesale trade (series 6141)
- . Retail trade (series 6242)
- . Motor trade (series 6343)
- . Hotels (series 6441)
- . Census of Transport and allied services (series 7101), and additions
- . Letting of own fixed property (series 8302)
- . Accounting, auditing and bookkeeping services (series 8311)
- . Legal services (series 8312)
- . Advertising services (series 8313)
- . Consulting engineering services (series 8314)
- . Employment placement agencies and recruiting organisations (series 8315)
- . Data processing and tabulating services (series 8316)
- . Hairdresser and beauty parlours (series 9501)
- . Photographic services (series 9502)
- . Undertakers and crematoriums (series 9503)
- . Laundries, laundry services and cleaning and dyeing services (series 9504)
- . Motion picture production (series 9401)
- . Motion picture distribution (series 9402)
- . Welfare organisations (series 9307)
- . Employers registered at the Compensation Commissioner

4. COMPARABILITY WITH PREVIOUS MANPOWER SURVEYS AND OTHER SURVEYS OF THE CSS

- 4.1 The classification of occupations used since the 1988 Manpower Survey is based on the Standard Classification of Occupations, Report No. 09-90-01, (first edition), 1986. This classification of occupations differs from the classification of occupations that was used in manpower surveys before 1988. The information in this report is thus not, in all cases, comparable with the information published for manpower surveys prior to 1988.
- 4.2 The addresses from which samples are selected are obtained from address sources of the Central Statistical Service and those of the Compensation Commissioner and Satour. For surveys prior to 1990, samples were selected from addresses of the Compensation Commissioner for fisheries; waterdrill contractors; catering and accommodation services; sections of major division transport, storage and communication; sections of major division financing, insurance, real estate and business services and most of major division community, social and personal services (e.g. hairdressers, undertakers, ballrooms and cinemas, accountants, auditors, advocates and attorneys).
- 4.3 For manpower surveys as from 1990, all sampling addresses for the major division of construction are obtained from our own sources. The addresses of wholesale and retail trade establishments are obtained from our own sources. Addresses for catering and accommodation services, except for the addresses of hotels, are obtained from the Compensation Commissioner. Samples for the major division of transport, storage and communication were completely re-selected from our own sources, except for taxi services and driving schools, which are obtained from the address sources of the Compensation Commissioner.
- 4.4 Concerning the major division of finance, insurance, real estate and business services, samples for owning and letting of property; town developing; legal services; accounting, auditing and bookkeeping services; data processing services; consulting engineering services, advertising services and employment placement agencies and recruiting organisations, which, before 1990, were selected from the Compensation Commissioner's addresses, are now (as from 1990) selected from sources of the Central Statistical Service.
- 4.5 For the major division of community, social and personal services, samples for welfare services; motion picture and video recordings; motion picture projections and motion picture and video rentings; laundries, laundry services and cleaning and dyeing plants; photographic studios; undertakers and crematoriums and miscellaneous personal services are selected from sources of the Central Statistical Service. However, samples for a large section of this major division are still selected from addresses of the Compensation Commissioner.
- 4.6 In Tables 3.2 and 4.1 totals of male and female workers as well as totals by population group do not add up to the total number of workers. This is due to certain respondents not specifying the gender or population group of their employees.

- 4.7 Total employment per major industrial divisions (Table 3) or industrial groups (Table 4) differ from the totals of other surveys of the CSS. These differences can be ascribed to the fact that the Manpower Survey is enumerated on a firm basis while other surveys are enumerated mainly on an establishment basis. In many cases a firm consists of only one establishment or two or more establishments that practise the same kind of economic activity, so that a specific institution will be classified to the same kind of economic activity, regardless of the basis of the survey.

In the case of firms with activities classifiable to various major divisions of the Standard Industrial Classification, the firm is classified according to the main activity that is carried out by the firm. For example, an establishment of a firm can primarily be engaged in trawling, while the firm's main activity is manufacturing. On the firm basis, the workers of this establishment will therefore not be assigned to the major division agriculture, hunting, forestry and fishing, but will be assigned to the major division manufacturing, where the firm as a whole resorts. Therefore the occupation "fisherman, fish breeder and related worker" (processing code 430) will not appear only under the major division agriculture, hunting, forestry and fishing, but may also appear under the major division manufacturing. In the same way workers in mining occupations (processing codes 452-462) will not necessarily appear only under the major division mining and quarrying, but can be assigned to any major division of the Standard Industrial Classification, depending on the main activity of the firm.

- 4.8 Where the number of workers shown in a certain occupation differs from that shown in the previous report, it was confirmed by means of enquiries.
- 4.9 Inconsistent reporting of a specific occupation by respondents has the result that occupations differ from those shown in the previous report.

5. CONCEPTS USED

5.1 Establishment

"Establishment" means all the posts in a firm, including vacant posts.

5.2 Employment/workers

- 5.2.1 "Employment/workers" means all persons (employers and employees) on the establishment record of the various enterprises and institutions as on 25 March 1994.

5.2.2 Particulars in respect of the following are EXCLUDED:

- Persons rendering part-time services in a recognised professional, business or trade capacity and who receive fees rather than salaries or wages for such services.
- Employees performing one year or longer military service.

5.2.2.1 For the PRIVATE SECTOR only, particulars in respect of the following are also EXCLUDED:

- Persons working in foreign branches, including branches in Namibia and the former TBVC states.

5.2.3 Particulars in respect of the following are INCLUDED:

- Owners working in their own businesses, as well as unpaid family assistants.
- Managing and working directors who receive remuneration.
- Temporary workers that are listed on the establishment of the various enterprises and institutions.
- Employees on vacation, maternity, special, study or sick leave or workers absent as a result of military service.
- In the case of a mine situated partially in the RSA and partially in one of the former TBVC states, all workers are included if the head office is situated in the RSA.

5.2.3.1 For the PUBLIC SECTOR only, particulars in respect of the following are also INCLUDED:

- All officers and employees at head offices, regional offices and suboffices, including those stationed overseas, but excluding workers recruited abroad and performing duties there.

- All seconded staff working in the former TBVC states, the former self-governing territories or other departments, but who are still on the fixed establishment of the institution.
- All officers and employees in offices of the former State President, Cabinet, Ministers, the President's Council, Minister's Councils, the House of Assembly, the House of Representatives and the House of Delegates.

5.3 Classification of occupations

5.3.1 Various factors are taken into consideration with the classification of workers under different occupations. Although the type of work done is used as basis, in certain cases attention is also given to the training required for a specific occupation.

5.3.2 Except where otherwise indicated, the same job description is used for qualified and non-qualified workers (i.e. trainees and assistants). For example, trainee miners and town and regional planner assistants are listed as miners (processing code 454) and town and regional planners (processing code 048) respectively.

6. PROFESSIONAL AND TECHNICAL OCCUPATIONS

6.1 Professional, semi-professional and technical occupations are occupations that normally require tertiary training.

7. SKILLED ARTISANS

7.1 An artisan is a person who practises a trade designated in terms of the Manpower Training Act and who

- has successfully completed a recognised apprenticeship; or
- has passed a trade test in terms of the Manpower Training Act; or
- is in possession of a certificate, issued by the Registrar of Manpower Training, conferring artisan status to the holder; or
- does not enjoy statutory status as an artisan, but is engaged in work as an artisan and has at least five years' experience in the trade concerned. (This clause makes special provision for persons in rural areas where the Manpower Training Act is not or has not been applicable, so that these persons did not have training opportunities, but nevertheless perform the work of an artisan.)

7.2 Artisans who are primarily involved with selling, artisans who are work managers or administrative officers and artisans who are instructors at training institutions ARE INCLUDED IN SECTION 1 OF TABLE 5.

7.3 An artisan who is an instructor in a workshop, or who is a leading or charge hand or a foreman, IS INCLUDED IN SECTION 2 OF TABLE 5 UNDER THE APPROPRIATE TRADE. However in cases where the specific trade plays a less prominent role, an instructor is shown in Section 1 under occupations 164 or 165, and a foreman is shown under the applicable occupation 434 to 451.

7.4 Leading hands and foremen who are NOT artisans (mining and manufacturing) ARE INCLUDED IN SECTION 1 OF TABLE 5. The artisan foremen at mines and quarries ARE INCLUDED IN SECTION 1 UNDER OCCUPATION 434 TO 437.

8. PRESENT NUMBER OF VACANT POSTS

8.1 "Present vacant posts" or "employment opportunities" means the number of additional employees that could be taken into service in the various occupations on 25 March 1994.

9. ESTABLISHMENT

9.1 The "establishment" is calculated by adding employment to the number of vacancies.

10. VACANCY RATE

10.1 The "vacancy rate" in Table 2.1 is calculated by dividing "vacancies" by the "establishment" (employment + vacancies) then multiplying it by 100. In Table 1.1 the employment and vacancies are added together and then calculated further as described above to obtain the "vacancy rate".

11. PROCESSING PROCEDURE

- 11.1 Information is captured on computer medium on receipt of the completed questionnaires.
- 11.2 The captured data are checked in full by means of the editing programmes by comparing the particulars in the questionnaire with that of the previous survey. Where possible and necessary, the particulars in the questionnaires are also compared with that of short-term surveys.
- 11.3 In the case of missing, erroneous or 'suspicious' data, respondents are contacted telephonically or by fax for confirmation. If necessary data are revised.
- 11.4 Ratio valuation, based on the sample parameter (total number of workers), is used to estimate the number of workers (per population group and gender) as well as the number of vacancies in the different occupational categories. The results for those occupations that only occur at some employers may be less accurate as a result of this method of estimation.

12. QUALITY OF RESULTS AND WARNINGS

- 12.1 In the compilation of the final results of the Manpower Survey, sample surveys were used in respect of several of the industrial sectors. In a sample survey the sample data are used to make deductions or inferences regarding the "universe" (or the total from which the sample are selected, in this particular case the non-agricultural sector) on a scientific basis. The sample results can thus deviate or differ from the "true" (albeit unknown) universe values. The latter values are those that would have been obtained if the whole universe had been surveyed by way of the same questionnaire and survey method.

A particular amount of trouble has been taken to ensure that the sample survey results for the various occupations/occupational groups are as representative and reliable as possible. The sample elements were selected on the lowest possible level of the universe, namely the industrial subgroup, in order to obtain homogeneity of occupations. Thus, in the case of manufacturing, the samples were drawn on the basis of manufacturing subgroups. Furthermore, the methodology of the 1990 sample surveys was designed in such a way that it could be stated with a certainty of 95% that the estimated total employment of a specific industrial subgroup, as obtained by means of the sample survey, will not differ or deviate by more than 10% (positive or negative) from its "true" (albeit unknown) total employment.

Due to poor co-operation of respondents in the 1990 Manpower Survey, the CSS was forced to reduce the samples as from the 1991 survey. This reduction could have affected the accuracy of the estimated values.

- 12.2 Apart from the above-mentioned sampling errors, other survey errors may also be present. These so-called non-sampling errors are usually the result of imperfections, errors and biases in questionnaire design, furnishing of particulars, coding, data processing and the treatment of non-response. The CSS attempts to minimize these errors by means of research, training and various checking procedures. Non-sampling errors can never be completely eliminated and it is also not possible to estimate the extent to which they influence the data in this report.

13. ABBREVIATIONS AND SYMBOLS USED

PROF.	= Professional
PR. ENG.	= Professional engineer
ETC.	= Et cetera
N.E.C.	= Not elsewhere classified
T	= Total
M	= Male
F	= Female
E.G.	= For example
PC	= Processing code
UNSPEC.	= Population group/gender unspecified
..	= denotes that the data are not available

1. MAJOR OCCUPATIONAL GROUPS
1.1 EMPLOYMENT, VACANCIES AND VACANCY RATES

OCCUPATIONAL GROUPS	YEAR	EMPLOYMENT	VACANCIES	VACANCY RATES
Professional, semi-professional and technical occupations	1992	722 420	27 619	3.7
	1993	735 500	28 903	3.8
	1994	722 383	28 938	3.9
Managerial, executive and administrative occupations	1992	227 642	1 906	0.8
	1993	212 293	2 410	1.1
	1994	221 319	3 731	1.7
Clerical and sales occupations	1992	1 084 427	13 315	1.2
	1993	1 062 353	15 187	1.4
	1994	1 061 702	16 551	1.5
Transport, delivery and communication occupations	1992	259 219	4 261	1.6
	1993	259 766	3 149	1.2
	1994	246 078	4 280	1.7
Service occupations	1992	709 015	19 877	2.7
	1993	694 120	24 792	3.4
	1994	674 363	20 800	3.0
Farming and related occupations	1992	107 142	2 578	2.3
	1993	89 899	1 335	1.5
	1994	81 828	2 276	2.7
Production foreman and supervisor, miner and quarry worker	1992	404 823	3 286	0.8
	1993	387 141	1 831	0.5
	1994	365 813	2 420	0.7
Operator, production worker and related semi-skilled worker	1992	1 056 206	6 618	0.6
	1993	949 871	4 903	0.5
	1994	897 787	6 093	0.7
Labourer	1992	973 130	14 111	1.4
	1993	896 004	16 406	1.8
	1994	845 110	23 078	2.7
Artisan, apprentice and related occupations	1992	312 041	6 208	2.0
	1993	292 580	6 395	2.1
	1994	279 671	5 602	2.0
Total	1992	5 856 065	99 779	1.7
	1993	5 579 527	105 311	1.9
	1994	5 396 054	113 769	2.1

2. SELECTED OCCUPATIONS AND VACANCIES

2.1 OCCUPATIONS WITH THE HIGHEST NUMBER OF VACANCIES

OCCUPATIONS	POSTS	VACANCIES	VACANCY RATES
Labourer or unskilled worker n.e.c., e.g. refuse remover	231 403	14 761	6.4
Material handler, packer and related unskilled worker	341 513	7 238	2.1
Charworker - buildings	141 255	5 138	3.6
Professional nurse, n.e.c.	56 762	4 999	8.8
Police officer, detective (public service)	110 612	4 203	3.8
Nursing assistant, auxiliary nurse, midwife, etc. (not registered)	51 096	3 733	7.3
Administrative assistant, administrative clerk, personnel clerk, correspondence clerk	103 894	3 280	3.2
Administrative and senior administrative official	50 481	2 970	5.9
Clerk - general: Senior, junior, personal, office clerk, clerk grade 1, 2, 3, clerical assistant	134 240	2 383	1.8
Principal	23 103	2 226	9.6
Staff nurse (enrolled)	22 917	2 086	9.1
Caretaker - buildings and grounds (including security guard, night-guard, site supervisor)	38 854	1 504	3.9
Teacher - secondary	95 213	1 412	1.5
Security officer and related occupations	60 812	1 408	2.3
Clerical supervisor (general), chief clerk	27 112	1 143	4.2
Student nurse	7 968	1 067	13.4
Truck, road tanker driver (more than 3 500 kg gross vehicle mass)	50 833	989	1.9
Operator, etc.: Metal products, machinery and transport equipment manufacturing and maintenance, n.e.c.	88 304	969	1.1
Typist, typist/clerk/telephonist, word processor operator	39 891	958	2.4
Production foreman, supervisor, n.e.c.	21 165	944	4.5
Kitchen worker, pantry man, tea servant	62 289	895	1.4
Clerk: Supplies, stationery, equipment, storeman, etc. General medical practitioner	57 708	872	1.5
Nursery, garden worker	13 600	855	6.3
Technical assistant, n.e.c.	19 190	827	4.3
Building and construction worker	4 728	762	16.1
Traffic officer	157 402	747	0.5
Director, chief, deputy director and equivalent occupations in the public sector	6 695	720	10.8
Teacher: Primary	5 630	703	12.5
Secretary	147 757	686	0.5
	49 026	621	1.3

2. SELECTED OCCUPATIONS AND VACANCIES
2.2 OCCUPATIONS WITH VACANCY RATES OF MORE THAN 15%

OCCUPATIONS	POSTS	VACANCIES	VACANCY RATES
Instrument maker and repairer, n.e.c.	2	2	100.0
Member of President's Council	33	15	45.5
Biophysicist	54	24	44.4
Apprentice: Shop outfitter (wood and construction metal work)	355	132	37.2
Load master	1 226	426	34.7
Humanities and related occupations, n.e.c.	716	183	25.6
Natural sciences occupations, n.e.c.	424	105	24.8
Building tradesman, n.e.c.	460	106	23.0
Member of diplomatic service, diplomat, foreign affairs official	475	109	22.9
Meteorologist	44	10	22.7
Social scientist, n.e.c.	100	22	22.0
Air transport occupations, n.e.c., (see PC 542 for freight and baggage handler - hand and packer)	616	135	21.9
Biologist	14	3	21.4
Apprentice: Furniture trade, n.e.c.	14	3	21.4
Engineer (registered: Pr. eng., registrable, engineer-in-training) - electrical and related (agricultural)	99	21	21.2
Cultural officer, etc.	301	59	19.6
Sports administrator	378	74	19.6
Operational researcher/research analyst	330	64	19.4
Medical practitioner, n.e.c.	2 065	394	19.1
Occupational therapist	2 019	378	18.7
Apprentice: Electrician, n.e.c.	11	2	18.2
Therapist, n.e.c., e.g. remedial gymnast	1 957	353	18.0
Director/superintendent: Hospital, medical services	392	68	17.3
Technical assistant, n.e.c.	4 728	762	16.1
Inspector: Factories, mines, works, etc.	1 222	190	15.5
Apprentice: Building trade, n.e.c.	33	5	15.2

3. MAJOR INDUSTRIAL GROUPS
3.1 EMPLOYMENT, VACANCIES AND VACANCY RATES

MAJOR INDUSTRIAL GROUPS	YEAR	EMPLOYMENT	VACANCIES	VACANCY RATES
Fishing	1992	3 237	8	0.2
	1993	3 417	0	0.0
	1994	2 365	242	9.3
Mining and quarrying	1992	596 715	4 273	0.7
	1993	551 207	2 072	0.4
	1994	520 517	1 369	0.3
Manufacturing	1992	1 611 790	8 097	0.5
	1993	1 463 430	4 583	0.3
	1994	1 375 857	7 049	0.5
Electricity, gas and water	1992	50 009	0	0.0
	1993	46 849	0	0.0
	1994	43 479	0	0.0
Construction	1992	351 034	205	0.1
	1993	324 991	287	0.1
	1994	319 056	255	0.1
Wholesale, retail and motor trade and catering and accommodation services	1992	1 009 676	5 046	0.5
	1993	913 864	5 475	0.6
	1994	925 572	4 415	0.5
Transport, storage and communication	1992	386 706	7 380	1.9
	1993	368 104	1 510	0.4
	1994	332 714	10 342	3.0
Financial intermediation, insurance, real estate and business activities	1992	383 491	2 087	0.5
	1993	434 723	2 065	0.5
	1994	421 292	2 228	0.5
Community, social and personal services	1992	1 463 407	72 683	4.7
	1993	1 472 942	89 319	5.7
	1994	1 455 202	87 869	5.7
Total	1992	5 856 065	99 779	1.7
	1993	5 579 527	105 311	1.9
	1994	5 396 054	113 769	2.1

3. MAJOR INDUSTRIAL GROUPS
3.2 EMPLOYMENT, POPULATION GROUP AND GENDER

MAJOR INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE	
Fishing	T	1992	3 237	1 520	1 128	103	486	
	M		2 955	1 432	974	103	446	
	F		282	88	154	0	40	
	T	1993	3 417	1 465	1 517	107	328	
	M		3 187	1 443	1 353	105	286	
	F		230	22	164	2	42	
	T	1994	2 365	1 164	937	0	264	
	M		2 241	1 160	841	0	240	
	F		124	4	96	0	24	
	Mining and quarrying	T	1992	596 715	503 056	7 797	597	62 354
		M		561 965	497 901	7 486	469	56 109
		F		11 839	5 155	311	128	6 245
T		1993	551 207	480 561	6 937	622	59 969	
M			536 755	475 825	6 619	542	53 769	
F			11 334	4 736	318	80	6 200	
	T	1994	520 517	451 819	8 781	816	56 048	
	M		506 290	447 300	8 132	723	50 135	
	F		11 174	4 519	649	93	5 913	
	Manufacturing	T	1992	1 611 790	836 582	270 212	105 152	359 089
		M		1 144 523	666 270	145 666	67 695	264 892
		F		426 512	170 312	124 546	37 457	94 197
T		1993	1 463 430	753 683	234 758	99 274	333 579	
M			1 018 866	587 771	125 561	61 757	243 777	
F			402 428	165 912	109 197	37 517	89 802	
	T	1994	1 375 857	695 660	223 086	100 481	308 470	
	M		939 960	538 235	117 871	61 122	222 582	
	F		387 737	157 275	105 215	39 359	85 888	
	Electricity, gas and water	T	1992	50 009	23 935	2 467	143	23 464
		M		44 549	23 480	2 361	117	18 591
		F		5 460	455	106	26	4 873
T		1993	46 849	21 955	2 432	201	22 261	
M			41 637	21 592	2 338	169	17 538	
F			5 212	363	94	32	4 723	
	T	1994	43 479	20 347	2 309	313	20 510	
	M		38 251	19 862	2 083	244	16 062	
	F		5 228	485	226	69	4 448	

3. MAJOR INDUSTRIAL GROUPS
3.2 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

MAJOR INDUSTRIAL GROUPS	YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Construction	T	351 034	256 396	37 241	5 926	43 968
	M	329 528	252 902	36 117	5 124	35 385
	F	14 003	3 494	1 124	802	8 583
	T	324 991	220 943	43 368	7 151	48 043
	M	304 187	217 255	41 837	6 477	38 618
	F	15 318	3 688	1 531	674	9 425
	T	319 056	223 096	39 454	7 810	45 337
	M	300 335	219 204	38 016	7 137	35 978
	F	15 362	3 892	1 438	673	9 359
Wholesale, retail and motor trade and catering and accommodation services	T	1 009 676	471 841	141 100	74 848	303 955
	M	588 124	302 343	69 587	49 303	166 891
	F	403 620	169 498	71 513	25 545	137 064
	T	913 864	430 089	125 815	65 534	281 785
	M	534 870	278 548	60 933	42 992	152 397
	F	368 353	151 541	64 882	22 542	129 388
	T	925 572	442 945	128 890	68 973	278 056
	M	537 580	282 775	60 936	44 507	149 362
	F	381 284	160 170	67 954	24 466	128 694
Transport, storage and communication	T	386 706	165 185	33 343	9 093	142 686
	M	307 363	160 128	30 693	8 041	108 501
	F	42 944	5 057	2 650	1 052	34 185
	T	368 104	170 697	36 036	9 745	148 095
	M	313 994	164 405	33 157	8 603	107 829
	F	50 579	6 292	2 879	1 142	40 266
	T	332 714	148 129	35 129	14 894	133 396
	M	282 942	142 103	31 779	13 560	95 500
	F	48 606	6 026	3 350	1 334	37 896
Financial intermediation, insurance, real estate and business activities	T	383 491	96 946	32 009	16 730	223 113
	M	189 648	71 676	15 267	8 174	94 531
	F	179 150	25 270	16 742	8 556	128 582
	T	434 723	123 075	38 343	19 572	249 812
	M	216 846	81 215	17 714	9 416	108 501
	F	213 956	41 860	20 629	10 156	141 311
	T	421 292	105 768	33 918	18 537	227 247
	M	196 586	72 672	15 508	9 038	99 368
	F	188 884	33 096	18 410	9 499	127 879

3. MAJOR INDUSTRIAL GROUPS
3.2 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

MAJOR INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Community, social and personal services	T	1992	1 463 407	630 490	169 683	39 473	448 813
	M		701 441	373 267	85 199	22 607	220 368
	F		587 018	257 223	84 484	16 866	228 445
	T	1993	1 472 942	662 516	167 742	39 530	437 162
	M		700 667	382 536	85 760	22 215	210 156
	F		606 283	279 980	81 982	17 315	227 006
	T	1994	1 455 202	633 407	169 451	40 192	414 423
	M		658 159	347 290	85 716	22 621	202 532
	F		599 314	286 117	83 735	17 571	211 891
Total	T	1992	5 856 065	2 985 951	694 980	252 065	1 607 928
	M		3 870 096	2 349 399	393 350	161 633	965 714
	F		1 670 828	636 552	301 630	90 432	642 214
	T	1993	5 579 527	2 864 984	656 948	241 736	1 581 034
	M		3 671 009	2 210 590	375 272	152 276	932 871
	F		1 673 693	654 394	281 676	89 460	648 163
	T	1994	5 396 054	2 722 335	641 955	252 016	1 483 751
	M		3 462 344	2 070 751	360 882	158 952	871 759
	F		1 637 713	651 584	281 073	93 064	611 992

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Fishing	T	1992	3 237	1 520	1 128	103	486
	M		2 955	1 432	974	103	446
	F		282	88	154	0	40
	T	1993	3 417	1 465	1 517	107	328
	M		3 187	1 443	1 353	105	286
	F		230	22	164	2	42
	T	1994	2 365	1 164	937	0	264
	M		2 241	1 160	841	0	240
	F		124	4	96	0	24
	T	1992	75 918	62 222	192	286	13 218
	M		73 242	61 358	163	238	11 483
	F		2 676	864	29	48	1 735
Coal mining	T	1993	69 578	56 263	119	364	12 832
	M		67 209	55 577	91	331	11 210
	F		2 369	686	28	33	1 622
	T	1994	58 271	47 036	116	452	10 667
	M		56 111	46 204	93	419	9 395
	F		2 160	832	23	33	1 272
	T	1992	409 794	353 579	716	127	34 263
	M		382 873	350 288	701	91	31 793
	F		5 812	3 291	15	36	2 470
	T	1993	365 912	331 767	769	145	33 231
	M		360 540	328 984	747	105	30 704
	F		5 372	2 783	22	40	2 527
Gold and uranium ore mining	T	1994	342 060	310 832	584	170	30 344
	M		336 949	308 300	556	124	27 969
	F		4 981	2 532	28	46	2 375
	T	1992	111 003	87 255	6 889	184	14 873
	M		105 850	86 255	6 622	140	12 833
	F		3 351	1 000	267	44	2 040
	T	1993	115 717	92 531	6 049	113	13 906
	M		109 006	91 264	5 781	106	11 855
	F		3 593	1 267	268	7	2 051
	T	1994	120 186	93 951	8 081	194	15 037
	M		113 230	92 796	7 483	180	12 771
	F		4 033	1 155	598	14	2 266
Other mining	T	1992	111 003	87 255	6 889	184	14 873
	M		105 850	86 255	6 622	140	12 833
	F		3 351	1 000	267	44	2 040
	T	1993	115 717	92 531	6 049	113	13 906
	M		109 006	91 264	5 781	106	11 855
	F		3 593	1 267	268	7	2 051
	T	1994	120 186	93 951	8 081	194	15 037
	M		113 230	92 796	7 483	180	12 771
	F		4 033	1 155	598	14	2 266

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Manufacture of food products	T	1992	248 344	144 216	44 901	15 961	34 385
	M		176 469	115 728	24 208	13 596	22 937
	F		62 994	28 488	20 693	2 365	11 448
	T	1993	237 247	131 298	44 780	13 425	30 932
	M		160 841	105 174	23 544	11 226	20 897
	F		59 594	26 124	21 236	2 199	10 035
	T	1994	218 317	116 845	43 090	13 863	28 390
	M		142 456	90 367	21 477	11 346	19 266
	F		59 732	26 478	21 613	2 517	9 124
	T	1992	48 442	28 301	6 664	922	9 991
	M		38 939	26 080	5 129	779	6 951
	F		6 939	2 221	1 535	143	3 040
Manufacture of beverages and tobacco products	T	1993	46 966	24 120	9 134	929	10 325
	M		37 144	22 440	6 654	828	7 222
	F		7 364	1 680	2 480	101	3 103
	T	1994	46 112	24 496	8 689	800	9 732
	M		36 118	22 426	6 234	698	6 760
	F		7 599	2 070	2 455	102	2 972
	T	1992	79 962	36 247	25 115	2 895	6 456
	M		34 338	17 671	9 974	2 146	4 547
	F		36 375	18 576	15 141	749	1 909
	T	1993	66 426	42 767	12 780	3 955	6 222
	M		30 195	17 870	4 839	2 915	4 571
	F		35 529	24 897	7 941	1 040	1 651
Manufacture of textiles	T	1994	63 828	40 113	13 506	3 831	6 230
	M		29 150	16 324	5 358	2 950	4 518
	F		34 530	23 789	8 148	881	1 712
	T	1992	119 691	38 320	46 593	28 685	6 093
	M		17 564	3 602	6 131	5 030	2 801
	F		102 127	34 718	40 462	23 655	3 292
	T	1993	115 500	37 226	41 970	27 199	5 895
	M		19 100	5 203	6 549	4 319	3 029
	F		93 190	32 023	35 421	22 880	2 866
	T	1994	109 542	34 393	38 543	27 561	5 944
	M		18 381	4 975	5 882	4 470	3 054
	F		88 060	29 418	32 661	23 091	2 890
Manufacture of wearing apparel		1992	119 691	38 320	46 593	28 685	6 093
			17 564	3 602	6 131	5 030	2 801
			102 127	34 718	40 462	23 655	3 292
		1993	115 500	37 226	41 970	27 199	5 895
			19 100	5 203	6 549	4 319	3 029
			93 190	32 023	35 421	22 880	2 866
		1994	109 542	34 393	38 543	27 561	5 944
			18 381	4 975	5 882	4 470	3 054
			88 060	29 418	32 661	23 091	2 890

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS	YEAR	TOTAL						AFRICAN/BLACK			COLOURED			INDIAN/ASIAN			WHITE		
		T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Manufacture of leather and products of leather	1992	11 177	4 984	1 840	4 133	1 462	2 671	985	758	227	985	758	227	761	503	258			
		6 300	3 144																
	1993	8 918	4 254	2 409	3 029	1 048	1 981	593	402	191	593	402	191	829	577	252			
	1994	8 872	4 414	2 337	2 751	928	1 823	738	435	303	738	435	303	969	781	188			
		4 481	2 077																
		4 391																	
Manufacture of footwear	1992	29 551	7 393	3 625	9 915	6 330	4 589	10 899	6 330	4 589	10 899	6 330	4 589	1 344	855	489			
		13 647	4 556																
	1993	27 781	6 667	1 935	9 186	3 565	5 621	10 905	6 562	4 343	10 905	6 562	4 343	1 014	665	349			
	1994	29 468	7 565	2 096	8 938	3 414	5 524	11 915	6 853	5 062	11 915	6 853	5 062	1 050	674	376			
		13 037	2 469																
		16 431																	
Manufacture of wood and products of wood, except furniture, products of cork, straw and plaiting materials	1992	68 575	55 206	40 838	6 041	4 289	1 752	1 253	1 155	98	1 253	1 155	98	5 471	4 065	1 406			
		50 347	40 838	14 368															
	1993	62 626	48 606	35 354	7 538	4 800	2 738	1 284	1 189	95	1 284	1 189	95	4 692	3 464	1 228			
	1994	60 189	39 811	28 948	6 923	4 428	2 495	1 198	1 106	92	1 198	1 106	92	5 176	3 768	1 408			
		38 250	28 948	10 863															
		14 858																	
Manufacture of paper and paper products	1992	56 322	31 632	25 751	7 521	4 458	3 063	6 915	6 432	483	6 915	6 432	483	10 188	7 659	2 529			
		44 300	5 881																
	1993	47 359	24 458	19 413	7 498	4 613	2 885	5 499	4 891	608	5 499	4 891	608	9 904	7 368	2 536			
	1994	49 708	27 472	20 541	7 191	4 407	2 784	5 386	4 783	603	5 386	4 783	603	9 659	7 022	2 637			
		36 753	6 931																
		12 955																	

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Printing, publishing and reproduction of recorded media	T M F	1992	47 293	12 497	9 042	3 311	21 565
			30 218	9 885	6 372	2 844	11 117
			16 197	2 612	2 670	467	10 448
	T M F	1993	45 159	10 298	7 585	4 667	22 091
			25 706	7 688	4 976	3 120	9 922
			18 935	2 610	2 609	1 547	12 169
	T M F	1994	45 371	10 932	7 524	5 317	20 851
			25 886	8 074	4 801	3 562	9 449
			18 738	2 858	2 723	1 755	11 402
	T M F	1992	82 952	36 526	9 096	3 848	31 202
			62 079	32 163	5 918	3 203	20 795
			18 593	4 363	3 178	645	10 407
Manufacture of other chemical products	T M F	1993	68 523	28 422	7 157	3 713	26 855
			50 644	24 762	4 287	3 160	18 435
			15 503	3 660	2 870	553	8 420
	T M F	1994	67 339	26 790	7 568	3 511	27 779
			51 170	24 131	4 762	2 929	19 348
			14 478	2 659	2 806	582	8 431
	T M F	1992	57 479	28 274	5 572	1 579	19 872
			42 878	23 325	4 753	1 314	13 486
			12 419	4 949	819	265	6 386
	T M F	1993	51 782	26 816	4 385	1 775	17 572
			38 017	21 642	3 519	1 464	11 392
			12 531	5 174	866	311	6 180
Manufacture of industrial chemicals	T M F	1994	40 533	17 888	4 890	1 600	16 155
			31 432	16 030	3 990	1 299	10 113
			9 101	1 858	900	301	6 042
	T M F	1992	84 184	46 186	12 327	4 213	18 535
			62 511	37 000	7 830	3 898	13 783
			18 750	9 186	4 497	315	4 752
	T M F	1993	65 269	36 065	9 960	3 235	14 359
			48 453	28 906	6 206	2 906	10 435
			15 166	7 159	3 754	329	3 924
	T M F	1994	61 585	35 909	7 858	3 135	14 679
			48 062	29 414	5 522	2 766	10 360
			13 519	6 495	2 336	369	4 319

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Manufacture of non-metallic mineral products	1992	T	64 262	42 499	8 424	676	11 624
		M	53 910	37 704	6 863	617	8 726
		F	9 313	4 795	1 561	59	2 898
	1993	T	62 827	41 304	7 773	1 014	11 741
		M	49 108	33 625	5 869	939	8 675
		F	12 724	7 679	1 904	75	3 066
	1994	T	56 536	34 781	7 684	1 193	10 042
		M	42 067	27 938	5 655	1 099	7 375
		F	11 633	6 843	2 029	94	2 667
Manufacture of basic metals	1992	T	119 974	65 525	2 058	3 295	46 003
		M	108 999	64 502	1 942	3 152	39 403
		F	7 882	1 023	116	143	6 600
	1993	T	118 747	66 321	2 493	2 858	43 784
		M	107 185	64 893	2 368	2 757	37 167
		F	8 271	1 428	125	101	6 617
	1994	T	100 520	58 694	1 653	1 625	35 111
		M	90 221	57 402	1 539	1 558	29 722
		F	6 862	1 292	114	67	5 389
Manufacture of fabricated metal products	1992	T	148 297	97 120	17 136	3 205	30 836
		M	132 344	90 579	13 536	2 808	25 421
		F	15 953	6 541	3 600	397	5 415
	1993	T	110 510	68 749	11 983	2 458	26 631
		M	98 708	64 543	10 002	2 048	22 115
		F	11 113	4 206	1 981	410	4 516
	1994	T	102 403	62 573	11 443	2 440	24 343
		M	89 690	58 981	9 364	2 148	19 197
		F	11 109	3 592	2 079	292	5 146
Manufacture of machinery and equipment	1992	T	75 339	33 404	9 080	2 806	28 602
		M	64 328	31 134	7 615	2 578	23 001
		F	9 564	2 270	1 465	228	5 601
	1993	T	72 118	33 248	5 248	2 505	27 033
		M	58 293	30 749	4 321	2 325	20 898
		F	9 741	2 499	927	180	6 135
	1994	T	66 661	30 484	4 503	3 086	24 994
		M	53 233	27 966	3 429	2 723	19 115
		F	9 834	2 518	1 074	363	5 879

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS	YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Manufacture of electrical machinery and apparatus	1992	67 895	30 612	10 490	2 835	22 444
		47 288	24 444	4 364	1 859	16 621
		19 093	6 168	6 126	976	5 823
	1993	64 898	31 351	9 114	2 745	20 388
		48 103	27 380	3 738	1 883	15 102
		15 495	3 971	5 376	862	5 286
	1994	63 069	31 203	8 761	2 926	18 127
		45 359	26 941	3 356	1 825	13 237
		15 658	4 262	5 405	1 101	4 890
Manufacture of motor vehicles and transport equipment	1992	119 209	58 005	16 393	3 720	39 496
		103 650	54 482	13 401	3 255	32 512
		13 964	3 523	2 992	465	6 984
	1993	110 696	47 635	17 953	3 561	41 158
		95 362	44 311	14 079	3 161	33 811
		14 945	3 324	3 874	400	7 347
	1994	109 469	49 464	16 554	3 758	37 288
		93 409	45 850	13 490	3 349	30 720
		13 655	3 614	3 064	409	6 568
Manufacture of furniture	1992	51 153	25 024	13 304	4 862	5 837
		37 681	18 497	10 669	4 432	4 083
		11 346	6 527	2 635	430	1 754
	1993	50 470	29 645	9 820	4 695	5 291
		37 287	21 720	7 850	4 221	3 496
		12 164	7 925	1 970	474	1 795
	1994	45 371	26 586	8 947	4 022	4 989
		32 939	19 008	6 899	3 641	3 391
		11 605	7 578	2 048	381	1 598
Other manufacturing n.e.c.	1992	31 689	14 611	6 407	2 287	8 384
		18 470	8 208	3 127	1 509	5 626
		13 219	6 403	3 280	778	2 758
	1993	29 608	14 433	5 372	2 259	6 863
		16 465	7 754	2 734	1 441	4 536
		12 462	6 679	2 638	818	2 327
	1994	30 964	15 247	6 070	2 576	6 962
		17 866	8 636	2 936	1 582	4 712
		12 989	6 611	3 134	994	2 250

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Electricity, gas and water	T M F	1992	50 009	23 935	2 467	143	23 464
			44 549	23 480	2 361	117	18 591
			5 460	455	106	26	4 873
	T M F	1993	46 849	21 955	2 432	201	22 261
			41 637	21 592	2 338	169	17 538
			5 212	363	94	32	4 723
	T M F	1994	43 479	20 347	2 309	313	20 510
			38 251	19 862	2 083	244	16 062
			5 228	485	226	69	4 448
Construction	T M F	1992	351 034	256 396	37 241	5 926	43 968
			329 528	252 902	36 117	5 124	35 385
			14 003	3 494	1 124	802	8 583
	T M F	1993	324 991	220 943	43 368	7 151	48 043
			304 187	217 255	41 837	6 477	38 618
			15 318	3 688	1 531	674	9 425
	T M F	1994	319 056	223 096	39 454	7 810	45 337
			300 335	219 204	38 016	7 137	35 978
			15 362	3 892	1 438	673	9 359
Wholesale and retail trade and catering and accommodation services, excluding motor trade and repair services	T M F	1992	867 857	408 196	125 173	66 803	250 025
			473 997	247 916	56 465	42 154	127 462
			376 200	160 280	68 708	24 649	122 563
	T M F	1993	779 370	369 391	111 840	57 452	230 664
			426 892	226 726	49 125	35 769	115 272
			342 455	142 665	62 715	21 683	115 392
	T M F	1994	789 875	381 841	115 080	60 224	226 471
			428 761	230 644	49 267	36 718	112 132
			354 855	151 197	65 813	23 506	114 339
Motor trade and repair services	T M F	1992	141 819	63 645	15 927	8 045	53 930
			114 127	54 427	13 122	7 149	39 429
			27 420	9 218	2 805	896	14 501
	T M F	1993	134 494	60 698	13 975	8 082	51 121
			107 978	51 822	11 808	7 223	37 125
			25 898	8 876	2 167	859	13 996
	T M F	1994	135 697	61 104	13 810	8 749	51 585
			108 819	52 131	11 669	7 789	37 230
			26 429	8 973	2 141	960	14 355

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS		YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Transport, storage and communication except Transnet Ltd, Telkom SA Ltd and South African Post Office Ltd	T	1992	123 847	65 591	12 067	5 488	33 266
	M		96 976	62 260	10 367	4 628	19 721
	F		19 436	3 331	1 700	860	13 545
	T	1993	124 119	69 928	13 077	4 980	32 603
	M		101 474	66 654	11 524	4 123	19 173
	F		19 114	3 274	1 553	857	13 430
	T	1994	124 773	66 585	13 997	9 726	33 299
	M		106 146	63 876	12 421	8 879	20 970
	F		17 461	2 709	1 576	847	12 329
	T	1992	167 508	79 370	12 652	1 942	73 544
	M		156 209	78 533	12 174	1 856	63 646
	F		11 299	837	478	86	9 898
Transnet Ltd	T	1993	154 362	73 154	11 664	1 794	67 750
	M		143 944	72 383	11 222	1 713	58 626
	F		10 418	771	442	81	9 124
	T	1994	117 640	53 302	9 109	2 268	52 961
	M		108 298	52 214	8 485	2 045	45 554
	F		9 342	1 088	624	223	7 407
	T	1992	95 351	20 224	8 624	1 663	35 876
	M		54 178	19 335	8 152	1 557	25 134
	F		12 209	889	472	106	10 742
	T	1993	89 623	27 615	11 295	2 971	47 742
	M		68 576	25 368	10 411	2 767	30 030
	F		21 047	2 247	884	204	17 712
Financial intermediation, insurance, real estate and business activities	T	1994	90 301	28 242	12 023	2 900	47 136
	M		68 498	26 013	10 873	2 636	28 976
	F		21 803	2 229	1 150	264	18 160
	T	1992	383 491	96 946	32 009	16 730	223 113
	M		189 648	71 676	15 267	8 174	94 531
	F		179 150	25 270	16 742	8 556	128 582
	T	1993	434 723	123 075	38 343	19 572	249 812
	M		216 846	81 215	17 714	9 416	108 501
	F		213 956	41 860	20 629	10 156	141 311
	T	1994	421 292	105 768	33 918	18 537	227 247
	M		196 586	72 672	15 508	9 038	99 368
	F		188 884	33 096	18 410	9 499	127 879

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (continued)

INDUSTRIAL GROUPS	YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
National departments, Provinces and parastatal institutions	1992	785 778	233 597	109 901	20 098	256 404
		322 063	135 965	50 075	10 188	125 835
		297 937	97 632	59 826	9 910	130 569
	1993	773 851	246 669	104 906	19 727	245 792
		311 365	139 742	46 283	9 872	115 468
		305 729	106 927	58 623	9 855	130 324
	1994	752 564	211 254	106 077	20 308	229 656
		282 621	108 273	47 524	9 918	116 906
		284 674	102 981	58 553	10 390	112 750
Local authorities and other community councils	1992	199 074	103 661	28 876	6 859	53 911
		163 081	93 883	25 493	5 938	37 767
		30 226	9 778	3 383	921	16 144
	1993	194 573	95 861	32 085	6 268	54 471
		158 199	86 556	28 341	5 356	37 946
		30 486	9 305	3 744	912	16 525
	1994	193 515	92 377	34 245	6 332	52 435
		154 455	82 708	29 978	5 360	36 409
		30 934	9 669	4 267	972	16 026
Former self-governing territories	1992	191 809	190 217	6	214	1 372
		98 100	97 062	3	165	870
		93 709	93 155	3	49	502
	1993	219 172	217 429	8	238	1 497
		111 381	110 248	3	166	964
		107 791	107 181	5	72	533
	1994	237 390	235 425	11	399	1 555
		118 202	116 833	3	295	1 021
		119 188	118 542	8	104	534
Community and social services, excluding parastatal institutions	1992	220 450	72 818	25 593	8 565	110 588
		86 494	29 211	7 787	4 049	45 447
		131 070	43 607	17 806	4 516	65 141
	1993	222 934	74 903	25 170	9 770	110 419
		89 552	29 945	9 275	4 623	45 709
		130 710	44 958	15 895	5 147	64 710
	1994	205 276	66 917	23 654	9 445	101 567
		72 685	24 253	6 497	4 821	37 114
		128 898	42 664	17 157	4 624	64 453

4. INDUSTRIAL GROUPINGS
4.1 EMPLOYMENT, POPULATION GROUP AND GENDER (concluded)

INDUSTRIAL GROUPS			YEAR	TOTAL	AFRICAN/BLACK	COLOURED	INDIAN/ASIAN	WHITE
Recreational and cultural services	1992	T		36 618	15 739	2 231	2 330	16 318
		M		21 544	11 190	1 228	1 734	7 392
		F		15 074	4 549	1 003	596	8 926
	1993	T		39 048	17 048	2 593	2 499	16 865
		M		22 870	12 114	1 396	1 735	7 625
		F		16 135	4 934	1 197	764	9 240
	1994	T		42 550	16 118	2 458	2 574	21 357
		M		22 448	11 075	1 234	1 722	8 417
		F		20 059	5 043	1 224	852	12 940
Other services	1992	T		29 678	14 458	3 076	1 407	10 220
		M		10 159	5 956	613	533	3 057
		F		19 002	8 502	2 463	874	7 163
	1993	T		23 364	10 606	2 980	1 028	8 118
		M		7 300	3 931	462	463	2 444
		F		15 432	6 675	2 518	565	5 674
	1994	T		23 907	11 316	3 006	1 134	7 853
		M		7 748	4 098	480	505	2 665
		F		15 561	7 218	2 526	629	5 188
Total	1992	T		5 856 065	2 985 951	694 980	252 065	1 607 928
		M		3 870 096	2 349 399	393 350	161 633	965 714
		F		1 670 828	636 552	301 630	90 432	642 214
	1993	T		5 579 527	2 864 984	656 948	241 736	1 581 034
		M		3 671 009	2 210 590	375 272	152 276	932 871
		F		1 673 693	654 394	281 676	89 460	648 163
	1994	T		5 396 054	2 722 335	641 955	252 016	1 483 751
		M		3 462 344	2 070 751	360 882	158 952	871 759
		F		1 637 713	651 584	281 073	93 064	611 992

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
SECTION 1												
PROFESSIONAL, SEMI-PRO- FESSIONAL AND TECHNICAL OCCUPATIONS												
ENGINEER, ENGINEERING TECHNICIAN, ARCHITECT AND RELATED OCCUPATIONS												
ENGINEER (REGISTERED; PR. ENG., REGISTRABLE, ENGINEER-IN-TRAINING)		16 906	479	15	193	5	332	15	15 273	307	629	462
.Industrial/production	001	2 251	54	3	67	1	59	0	1 937	26	134	60
.Chemical	002	885	51	2	16	1	60	7	719	58	39	42
ELECTRICAL AND RELATED:												
.Electrical/ electrotechnical (heavy current)	003	1 773	33	5	13	1	17	0	1 661	15	49	38
.Electronic	004	1 471	25	0	16	0	42	1	1 267	26	121	23
.Electrical and related, n.e.c.	005	590	23	0	2	0	20	0	534	1	11	14
.Agricultural	006	78	0	0	1	0	0	0	72	1	5	21
.Mechanical (aviation and marine included)	007	3 123	134	3	31	0	50	3	2 811	26	97	67
.Metallurgical	008	604	13	0	2	0	4	0	565	26	20	1
.Mining	009	515	18	0	5	0	5	0	477	1	10	2
.Civil and related	010	4 966	118	1	29	1	68	1	4 625	110	126	165
.Engineer (registered), n.e.c., e.g. biomedical	011	650	10	1	11	1	7	3	605	17	17	29
ENGINEER (NOT REGISTRA- BLE), ENGINEERING TECH- NOLOGIST		8 217	356	7	234	13	311	10	6 980	175	336	140
.Industrial/production	012	1 459	61	1	68	8	102	2	1 137	63	91	7
.Chemical	013	310	18	1	11	2	10	0	271	16	0	1

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
ELECTRICAL AND RELATED:												
.Electrical/ electrotechnical (heavy current)	014	694	17	1	3	1	5	0	645	1	24	17
.Electronic	015	979	36	1	39	0	24	5	813	38	67	18
.Instrumentation and control	016	244	7	0	1	0	5	0	227	1	4	1
.Telecommunication	017	91	3	0	6	1	4	1	77	4	1	2
.Electrical and related, n.e.c.	018	345	47	3	25	0	19	0	247	0	7	3
.Agricultural	019	10	0	0	0	0	0	0	10	2	0	0
.Mechanical (aviation and marine included)	020	1 245	56	0	21	0	50	2	1 101	16	17	16
.Metallurgical	021	211	2	0	2	0	1	0	206	4	0	7
.Mining	022	154	7	0	2	0	0	0	143	0	2	1
.Civil and related	023	1 636	52	0	31	0	67	0	1 388	9	98	42
.Engineer (not regis- trable), engineering technologist, n.e.c., e.g. design	024	839	50	0	25	1	24	0	715	21	25	25
ENGINEERING TECHNICIAN		33 944	2 068	50	1 720	47	1 495	21	27 671	732	990	934
.Industrial/production	025	2 111	402	13	106	2	104	0	1 336	55	163	151
.Chemical	026	578	52	4	15	1	46	7	446	104	19	22
ELECTRICAL AND RELATED:												
.Electrical/ electrotechnical (heavy current)	027	2 562	143	1	46	2	40	0	2 289	36	44	77
.Electronic	028	6 176	516	9	482	22	561	10	4 252	115	365	68
.Instrumentation and control	029	1 716	88	0	39	1	68	0	1 497	6	24	38
.Telecommunication	030	6 750	167	2	400	0	222	0	5 957	43	4	0
.Electrical and related, n.e.c.	031	1 167	82	9	44	1	63	0	923	18	55	77
.Agricultural	032	387	15	0	18	0	7	1	347	13	0	53
.Mechanical (aviation and marine included)	033	4 724	127	3	87	2	100	0	4 359	40	51	114

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Metallurgical	034	493	22	0	2	0	10	0	448	46	11	9
.Mining	035	185	24	0	2	0	1	0	156	1	2	5
.Civil and related	036	4 830	324	6	380	12	177	3	3 821	138	128	222
.Engineering technician, n.e.c., e.g. design	037	2 265	106	3	99	4	96	0	1 840	117	124	98
TECHNICIAN: DRAFTSMAN		7 734	185	7	667	52	494	16	6 013	1 463	375	240
.Draftsman: Engineering	038	5 036	103	5	452	36	270	6	3 906	747	305	170
.Draftsman: Architectur- al and related	039	1 142	27	2	104	4	101	2	905	235	5	37
.Draftsman, n.e.c.	040	1 556	55	0	111	12	123	8	1 202	481	65	33
TECHNICAL INSPECTOR AND RELATED OCCUPATIONS		13 591	3 109	234	1 330	294	651	81	8 086	477	415	709
.Inspector: Factories, mines, works, etc.	041	1 032	61	1	82	5	20	3	861	8	8	190
.Inspector: Construc- tion, housing, sites, etc.	042	2 094	209	5	140	6	65	0	1 581	57	99	247
.Inspector: Products, machinery, etc.	043	6 917	2 355	224	854	255	457	69	2 988	192	263	95
.Safety adviser/official accident prevention official/adviser	044	1 706	274	3	62	11	59	7	1 280	91	31	41
.Technical inspector, n.e.c.	045	1 842	210	1	192	17	50	2	1 376	129	14	136
ARCHITECT AND RELATED OCCUPATIONS		4 669	200	23	200	9	509	50	3 611	443	149	217
.Architect	046	1 028	6	1	25	0	2	0	958	82	37	39
.Quantity surveyor	047	2 466	139	9	161	6	464	50	1 672	128	30	53
.Town and regional planner	048	944	35	11	10	3	7	0	832	199	60	109
.Architect and related occupations, n.e.c., e.g. landscape archi- tect	049	231	20	2	4	0	36	0	149	34	22	16
LAND SURVEYOR AND RELA- TED OCCUPATIONS		3 355	469	0	144	2	85	3	2 567	173	90	74

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Land surveyor	050	591	21	0	14	0	2	1	550	11	4	35
SURVEYOR, N.E.C.:												
.Surveyor (general)	051	620	120	0	38	2	13	0	423	143	26	12
.Building and construc- tion	052	528	51	0	48	0	40	2	342	6	47	5
.Mining surveyor	053	1 291	249	0	13	0	16	0	1 000	5	13	17
.Surveyor, n.e.c., e.g. marine surveyor photo- gram technician, civil engineering surveyor, topographical surveyor	054	325	28	0	31	0	14	0	252	8	0	5
NATURAL SCIENCE OCCUPA- TIONS												
PHYSICAL SCIENTIST AND RELATED OCCUPATIONS		1 099	101	8	17	2	32	1	931	128	18	60
.Physicist	055	249	18	5	6	0	2	0	210	38	13	19
.Biophysicist	056	30	1	1	1	1	0	0	28	14	0	24
.Metallurgist	057	497	36	0	8	1	15	1	434	27	4	10
.Astronomer	058	3	0	0	0	0	0	0	2	0	1	0
.Physical scientist and related occupations, n.e.c., e.g. spectro- scopist, metrologist, etc.	059	320	46	2	2	0	15	0	257	49	0	7
GEOLOGICAL SCIENCES OCCUPATIONS												
.Geologist and related occupations, e.g. engi- neering geologist, geochemist, mineralo- gist, etc.	060	1 812	176	7	16	1	23	0	1 548	157	49	5
.Geophysicist and related occupations, e.g. seismologist, etc.	061	73	0	0	0	0	0	0	70	6	3	1

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Geological sciences occupations, n.e.c., e.g. climatologist, hydrologist, oceanographer, etc.	062	336	38	1	4	0	1	1	291	80	2	6
MATHEMATICAL AND RELATED OCCUPATIONS		1 301	77	12	57	22	64	12	998	341	105	103
Actuarial occupations, e.g. actuary, actuarial clerk, etc.	063	549	19	2	32	18	37	8	361	105	100	4
Mathematical occupations, e.g. mathematician, applied mathematician, engineering mathematician, etc.	064	129	0	0	2	0	0	0	123	42	4	1
Operational researcher/research analyst	065	266	41	3	2	0	20	0	203	74	0	64
Statistical occupations, e.g. biometrician, demographer, statistician, etc.	066	278	15	7	21	4	6	3	235	102	1	24
Meteorologist	067	34	1	0	0	0	0	0	33	9	0	10
Mathematician and related occupations, n.e.c.	068	45	1	0	0	0	1	1	43	9	0	0
COMPUTER SCIENCE OCCUPATIONS		20 527	832	150	1 283	351	1 488	301	15 452	5 997	1 472	672
Computer programmer	069	6 905	333	79	455	96	531	121	5 006	2 027	580	272
Computer system analyst and related occupations, e.g. computer system analyst, computer system controller, etc.	070	8 511	290	38	505	136	593	94	6 588	2 469	535	244
Computer science occupations, n.e.c., e.g. data base administrator, computer consultant, etc. (computer operator - see PC 305)	071	5 111	209	33	323	119	364	86	3 858	1 501	357	156

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
CHEMICAL SCIENCES OCCU- PATIONS		2 559	256	42	112	29	175	28	1 855	595	161	30
.Chemist, e.g. general chemist, forensic chem- ist, polymer chemist, etc.												
.Biochemist	072	1 928	149	23	86	24	145	23	1 414	434	134	24
.Chemical sciences occu- pations, n.e.c., e.g. crystallographer	073	105	3	0	9	3	2	2	88	46	3	2
BIOLOGICAL SCIENCES OCCUPATIONS	074	526	104	19	17	2	28	3	353	115	24	4
.Biologist												
.Zoologist and related occupations, e.g. ani- mal physiologist, ornithologist, parasitologist, etc.	075	11	1	1	0	0	1	1	9	1	0	3
.Botanical and related occupations, e.g. algo- logist, mycologist, etc.												
.Hydrobiologist and re- lated occupations, e.g. limnologist, marine biologist, etc.	076	309	5	3	1	0	0	0	297	106	6	26
.Microbiologist and re- lated occupations, e.g. industrial microbiolo- gist, bacteriologist, etc.	077	267	1	0	2	1	7	0	243	61	14	8
.Nature conservationist occupations, n.e.c., e.g. ecologist, genetl- cist, etc.												
.Biological sciences occupations, n.e.c., e.g. ecologist, genetl- cist, etc.	078	90	4	0	0	0	4	1	79	25	3	0
.Nature conservationist occupations, n.e.c., e.g. ecologist, genetl- cist, etc.	079	1 070	41	14	122	77	15	4	878	622	14	57
.Biological sciences occupations, n.e.c., e.g. ecologist, genetl- cist, etc.	080	1 239	307	48	15	0	8	1	780	90	129	159
.Biological sciences occupations, n.e.c., e.g. ecologist, genetl- cist, etc.	081	201	6	2	0	0	1	0	194	65	0	33
AGRICULTURE, FORESTRY AND FOOD SCIENCES OCCU- PATIONS		4 469	1 383	113	95	2	63	2	2 780	273	148	479

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Agriculturist, e.g. agricultural researcher, agricultural extension officer, etc.	082	1 905	557	76	11	0	46	2	1 209	53	82	207
.Animal scientist and related occupations, e.g. poultry breeder, animal scientist, etc.	083	150	12	0	2	0	0	0	136	7	0	26
.Agronomical occupations, e.g. soil scientist, viticulturist, etc.	084	182	24	0	0	0	0	0	154	0	4	6
.Forestry occupations, e.g. forest denudation scientist, xylologist, etc.	085	214	16	0	59	0	0	0	139	3	0	10
.Horticulturist	086	1 602	707	9	10	1	15	0	826	109	44	204
.Food scientist	087	74	7	1	0	0	1	0	60	27	6	4
.Agriculture, forestry and food sciences occupations, n.e.c.	088	342	60	27	13	1	1	0	256	74	12	22
NATURAL SCIENCES TECHNOLOGISTS		1 862	264	97	125	70	140	54	958	436	375	134
.Physical sciences technologists, e.g. concrete technologist, textile technologist, etc.	089	394	33	7	24	12	41	9	295	89	1	23
.Biological sciences technologists, e.g. biotechnologist, clinical technologist, etc.	090	982	185	81	56	39	55	37	330	230	356	88
.Agricultural, forestry and food sciences technologists, e.g. wood technologist, dairy technologist, etc.	091	316	29	5	35	18	22	5	230	69	0	7
.Natural sciences technologists, n.e.c.	092	170	17	4	10	1	22	3	103	48	18	16

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
NATURAL SCIENCES TECHNICIANS		4 546	822	101	233	58	209	47	3 270	948	12	359
.Technician: Physical sciences	093	373	47	9	21	4	20	2	282	64	3	19
.Technician: Earth sciences	094	206	46	0	9	1	10	0	141	62	0	13
.Technician: Mathematical sciences	095	26	0	0	0	0	0	0	26	15	0	3
.Technician: Chemical sciences	096	1 129	112	9	68	28	125	34	820	262	4	25
.Technician: Biological sciences	097	228	31	4	12	4	8	4	172	88	5	26
.Technician: Forestry, agriculture and food	098	1 787	490	62	77	13	30	5	1 190	281	0	162
.Natural sciences tech- nicians, n.e.c.	099	797	96	17	46	8	16	2	639	176	0	111
.Natural sciences occu- pations, n.e.c.	100	319	168	6	4	1	2	1	145	89	0	105
MEDICAL, DENTAL AND RELATED HEALTH SERVICES OCCUPATIONS												
MEDICAL PROFESSIONS		24 907	1 370	395	538	110	2 452	322	18 397	3 378	2 150	1 939
MEDICAL PRACTITIONER, PHYSICIAN (REGISTERED):												
.General medical prac- titioner	101	12 745	571	139	256	27	1 969	180	9 133	1 359	816	855
.Intern (hospital year)	102	566	94	25	35	14	40	8	258	108	139	48
.Clinical assistant (physician engaged in specialisation)	103	1 689	198	48	30	13	82	26	1 009	263	370	112
.Medical practitioner, n.e.c.	104	1 671	59	12	94	24	15	6	1 495	403	8	394
MEDICAL SPECIALIST (REGISTERED):												
.Surgeon (general)	105	605	106	61	6	0	0	0	473	13	20	15

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Gynaecologist	106	473	0	0	2	1	34	0	418	25	19	20
Internist	107	420	0	0	8	0	0	0	401	32	11	9
Pediatrician	108	404	0	0	11	5	39	0	328	47	26	12
Medical pathologist (clinical, anatomic, forensic, and other fields of specialisa- tion)	109	520	19	0	2	0	18	14	481	84	0	5
Anaesthetist	110	832	0	0	4	0	4	0	808	55	16	25
Ophthalmologist	111	276	0	0	2	1	0	0	269	10	5	8
Orthopaedic surgeon	112	311	0	0	22	0	2	0	274	3	13	18
Psychiatrist	113	558	0	0	1	0	6	0	536	30	15	32
Radiologist (diagnostic and therapeutic)	114	514	20	4	7	3	67	17	410	41	10	14
Medical specialist, n.e.c., e.g. neurolo- gist, neurosurgeon, plastic surgeon, etc.	115	1 967	112	23	26	4	98	10	1 254	317	477	292
Medical occupations, n.e.c., e.g. medical assistant, medical in- spector of schools or hospitals, medical re- searcher, etc.	116	1 356	191	83	32	18	78	61	850	588	205	80
DENTAL PROFESSIONS		4 396	107	46	99	53	199	39	3 967	1 021	24	228
Dentist (general)	117	3 205	41	12	57	21	181	26	2 904	175	22	162
Dental specialist (registered), e.g. or- thodontist, periodon- tist, etc.	118	209	5	0	0	0	2	0	202	10	0	17
Dental professions, n.e.c.	119	982	61	34	42	32	16	13	861	836	2	49
VETERINARY SCIENCES PRO- FESSIONS		1 430	135	4	3	0	10	1	1 281	354	1	116
Veterinary surgeon	120	654	8	0	0	0	9	0	636	127	1	61
Veterinary professions, n.e.c., e.g. veterinary nurse, veterinary tech- nologist	121	776	127	4	3	0	1	1	645	227	0	55
PHARMACEUTICAL PROFESSIONS		6 021	288	130	151	74	375	156	4 782	2 123	425	288

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Pharmacist	122	4 965	135	61	96	39	299	110	4 166	1 689	269	259
Pharmaceutical professions, n.e.c., e.g. trainee pharmacist, pharmaceutical assistant, etc.	123	1 056	153	69	55	35	76	46	616	434	156	29
SUPPLEMENTARY MEDICAL PROFESSIONS		11 704	3 231	2 293	1 046	902	467	346	6 020	5 579	940	1 419
PHYSIOTHERAPISTS, OCCUPATIONAL THERAPISTS AND RELATED THERAPISTS:												
Physiotherapist	124	3 361	745	564	461	391	92	23	1 967	1 838	96	229
Occupational therapist	125	1 641	755	571	68	68	52	50	736	709	30	378
Masseur	126	59	0	0	37	0	0	0	22	2	0	0
Speech therapist, audiologist	127	840	420	348	6	6	44	43	363	354	7	59
Therapist, n.e.c., e.g. remedial gymnast	128	1 604	679	444	71	67	102	98	752	743	0	353
Radiographer (diagnostic and therapeutic)	129	2 725	259	137	382	349	149	107	1 592	1 558	343	148
Supplementary medical professions, n.e.c.	130	1 474	373	229	21	21	28	25	588	375	464	252
NURSE		95 014	40 330	37 118	13 729	13 225	2 175	2 145	23 651	23 131	15 129	8 994
Nursing administrator (nursing services manager, head nurse, matron)	131	2 997	838	790	151	136	58	55	1 559	1 393	391	486
NURSE (REGISTERED):												
Psychiatric nurse	132	1 273	146	126	11	10	0	0	426	422	690	12
Industrial nurse	133	1 401	389	294	73	68	8	6	896	862	35	22
Community nurse	134	2 973	958	904	328	325	71	71	1 076	1 074	540	110
Professional nurse, operating theatre nurse, nurse (general), midwife	135	51 763	22 164	20 549	5 520	5 330	1 121	1 112	14 135	13 947	8 823	4 999

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Staff nurse (enrolled nurse)	136	20 831	8 890	8 358	4 417	4 318	591	588	3 941	3 894	2 992	2 086
STUDENT, PUPIL NURSE:												
Student nurse	137	6 901	2 450	2 096	1 725	1 627	70	70	1 059	1 037	1 597	1 067
Pupil nurse	138	3 747	2 644	2 378	706	675	59	59	289	283	49	93
Nurse, n.e.c. (nursing assistant included under service workers, PC 402)	139	3 128	1 851	1 623	798	736	197	184	270	219	12	119
TECHNICIAN: MEDICAL AND RELATED SCIENCES												
Technician: Medical	140	2 389	248	45	199	106	240	76	1 671	854	31	65
Technician: Ophthalmic	141	1 687	208	37	168	98	173	67	1 111	768	27	42
Technician: Dental	142	550	24	1	25	5	54	0	444	11	3	12
Technician: Industrial hygiene	143	7	1	0	3	3	0	0	3	1	0	0
Technician: Medical and related sciences, n.e.c.	144	145	15	7	3	0	13	9	113	74	1	11
HEALTH SERVICES PROFESSIONS, N.E.C.		3 191	616	157	189	35	77	10	1 887	633	422	236
Dietician and related professions, e.g. nutritionist, home economist, etc.	145	606	101	88	23	23	9	4	439	436	34	73
Optometrist	146	94	3	2	2	1	2	1	85	23	2	10
INSPECTOR OF HEALTH SERVICES:												
Health inspector	147	1 499	420	41	114	6	50	5	881	107	34	87
Health services inspector, n.e.c., e.g. waiter, milk, meat, food, air pollution inspector	148	663	65	5	48	5	13	0	407	53	130	60
Chiropractor, naturopath, homeopath, etc.	149	50	1	1	1	0	0	0	46	5	2	2

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Health services profes- sions, n.e.c., e.g. Technician: Ophthalmic	150	279	26	20	1	0	3	0	29	9	220	4
EDUCATION AND RELATED OCCUPATIONS												
RECTOR, PRINCIPAL, INSPECTOR OF EDUCATION		22 171	14 950	5 522	2 965	353	427	50	3 828	1 291	1	2 375
Rector, vice rector of university/college	151	338	73	7	65	3	18	4	181	6	1	34
Principal	152	20 877	14 511	5 495	2 667	281	393	46	3 306	1 252	0	2 226
Inspector of education	153	956	366	20	233	69	16	0	341	33	0	115
PROFESSOR, LECTURER (UNIVERSITY)		21620										
Engineering, natural, life and medical scien- ces and related fields of study	154	5 919	341	120	141	39	160	33	5 038	1 510	239	269
Humanities and related fields of study	155	5 634	563	197	151	54	204	77	4 684	1 707	32	227
LECTURER (TECHNIKON, TEACHERS TRAINING, TECH- NICAL AND OTHER COLLE- GES)												
Engineering, natural, life and medical scien- ces and related fields of study	156	5 065	285	65	361	72	98	21	4 321	1 536	0	204
Humanities and related fields of study	157	5 002	1 724	718	510	180	337	110	2 431	1 228	0	231
TEACHER		258 421	166 640	99 538	33 422	23 081	12 634	7 205	45 717	30 347	8	2 499
Teacher: Secondary	158	93 801	54 868	32 064	9 743	6 763	5 940	2 659	23 250	14 061	0	1 412
Teacher: Primary	159	147 071	104 576	66 016	19 771	13 178	6 379	4 350	16 341	10 869	4	686
Teacher: Nursery school	160	6 361	336	306	1 826	1 600	37	27	4 160	4 147	2	106
Teacher: Adult educa- tion	161	6 392	5 399	300	724	518	11	0	258	120	0	60

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Teacher: Schools for special education, schools for the deaf, blind, etc. .Teacher: N.e.c., e.g. private tuition in music, dance, etc.	162 163	4 202 594	1 457 4	849 3	980 378	735 287	251 16	156 13	1 514 194	994 156	0 2	235 0
INSTRUCTOR		4 862	1 786	156	247	93	97	11	2 500	660	232	152
.Instructor at training centres .Instructor, n.e.c.	164 165	3 314 1 548	1 171 615	100 56	171 76	73 20	45 52	4 7	1 901 599	544 116	26 206	114 38
EDUCATION PROFESSIONS, N.E.C.		2 299	718	273	36	27	62	9	1 477	661	6	235
.Education planner .Educational technologist .Education professions, n.e.c.	166 167 168	1 177 26 1 096	470 2 246	221 1 51	17 0 19	13 0 14	23 1 38	1 1 7	665 23 789	221 19 421	2 0 4	160 0 75
HUMANITIES AND RELATED OCCUPATIONS												
LEGAL OCCUPATIONS		14 407	1 177	210	266	87	314	96	12 322	2 806	328	149
.Judge, magistrate .Legal officials, n.e.c., e.g. commissioner attorney-general, etc. .Advocate .Attorney and related occupations, e.g. attorney (general), conveyancer, etc. .Legal occupations, n.e.c., e.g. legal adviser, legal assistant, etc.	169 170 171 172 173	1 407 216 1 766 6 139 4 879	227 144 94 293 419	11 31 1 102 65	20 0 5 40 201	2 0 0 12 73	27 0 5 135 147	15 0 4 9 68	1 133 72 1 662 5 612 3 843	204 6 252 943 1 401	0 0 0 59 269	22 11 1 61 54

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
RELIGIOUS PROFESSIONS		6 609	927	234	224	5	66	24	5 303	1 232	89	210
.Minister, priest, missionary, evangelist, etc.	174	5 812	682	1	213	2	29	6	4 816	861	72	210
.Religious workers and spiritual workers, n.e.c., e.g. nun, faith healer, etc.	175	797	245	233	11	3	37	18	487	371	17	0
SOCIAL SCIENCES OCCUPA- TIONS		6 142	1 431	1 115	1 112	899	226	199	2 821	2 238	552	507
.Psychologist (interns included), e.g. clinical psychologist, psychometrician, psy- chotechnician, etc.	176	821	70	44	16	6	17	11	659	363	59	61
.Social worker, e.g. psychiatric, medical, industrial, etc.	177	5 243	1 357	1 067	1 091	892	209	188	2 094	1 844	492	424
.Social scientist, n.e.c., e.g. sociolo- gist, anthropologist, ethnologist, etc.	178	78	4	4	5	1	0	0	68	31	1	22
PERSONNEL AND MANAGE- MENT SERVICES OCCUPA- TIONS		28 782	6 459	1 194	2 026	834	800	308	17 485	8 083	2 012	1 419
.Labour, labour rela- tions official	179	1 349	577	129	123	49	15	5	608	103	26	91
.Management consultant, e.g. marketing consul- tant, personnel consul- tant, etc.	180	4 152	200	47	118	50	91	32	3 365	1 622	378	116
.Manpower planner	181	296	52	11	3	1	5	2	230	68	6	6
.Public relations official	182	4 749	871	230	403	243	167	94	2 817	1 837	491	291
.Training official	183	4 539	1 219	88	261	36	72	21	2 763	700	224	184
.Personnel official, recruiting official	184	9 257	2 244	600	837	369	274	114	5 183	2 837	719	425

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Work study official, O and M official	185	1 375	175	12	135	39	110	20	823	194	132	145
Personnel and manage- ment services occupa- tions, n.e.c.	186	3 065	1 121	77	146	47	66	20	1 696	722	36	161
ACCOUNTANT AND RELATED ACCOUNTING OCCUPATIONS		39 576	2 040	493	1 383	473	2 520	476	32 239	9 319	1 394	1 231
Accountant, public accountant/auditor (re- gistered, CA), e.g. fi- nancial accountant, cost accountant, etc.	187	9 077	206	26	194	32	343	39	8 082	1 308	252	263
Accountant, public accountant/auditor, (unregistered, not CA), e.g. management accoun- tant, company accoun- tant, etc.	188	14 598	739	168	459	82	1 025	138	11 519	4 043	856	570
Articled clerk with ac- countant/auditor	189	8 965	586	176	252	104	443	106	7 657	2 097	27	191
Accounting occupations, n.e.c., e.g. cost ana- lyst, valuator, asses- sor, etc.	190	6 936	509	123	478	255	709	193	4 981	1 871	259	207
ECONOMIC OCCUPATIONS		8 855	437	122	195	86	208	84	7 419	3 662	596	154
Economist, e.g. econo- mic adviser, industrial economist, agro-econo- mist, etc.	191	1 094	73	11	5	1	5	1	724	189	287	79
Economic occupations, n.e.c., e.g. investment adviser, marketing official, market researcher, etc.	192	7 761	364	111	190	85	203	83	6 695	3 473	309	75
HUMANITIES AND RELATED OCCUPATIONS, N.E.C.		6 504	1 606	486	485	335	286	183	3 853	3 188	274	552
Archivist, etc.	193	249	52	17	5	2	5	3	185	129	2	9

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
194 Librarian, information officer		3 860	436	283	418	296	269	174	2 537	2 296	200	230
195 Curator, etc.		199	1	0	11	9	2	1	178	95	7	16
196 Cultural officer, etc.		242	44	8	25	14	2	1	163	115	8	59
197 Historian, etc.		10	0	0	0	0	0	0	10	5	0	1
Linguistic occupations, e.g. philologist, interpreter, translator, etc.	198	1 411	1 000	140	17	10	2	1	361	269	31	54
Humanities and related occupations, n.e.c.	199	533	73	38	9	4	6	3	419	279	26	183
ART, SPORT AND ENTERTAINMENT OCCUPATIONS												
ARTIST, PLASTIC ARTS		1 905	256	7	130	51	75	11	1 422	571	22	34
200 Sculptor		5	3	1	0	0	0	0	2	1	0	0
201 Painter, cartoonist		68	10	0	5	1	0	0	53	23	0	0
202 Glass, ceramics artist		142	1	1	32	31	0	0	109	77	0	0
203 Photographer, cameraman		1 183	219	4	53	2	39	2	851	229	21	30
Artist, plastic arts, n.e.c., e.g. compositor, engraver, etc.	204	507	23	1	40	17	36	9	407	241	1	4
DESIGNER		4 568	350	76	512	208	326	107	3 274	1 770	106	19
205 Product, industrial designer		267	8	5	9	1	56	5	191	66	3	2
206 Textile, clothing, fashion, costume designer		973	31	15	104	82	93	58	731	621	14	1
Interior designer, e.g. exhibition, stage designer, colour consultant, etc.	207	1 027	163	28	200	86	31	13	617	373	16	1
208 Graphics designer (commercial artist)		1 825	118	13	117	27	96	28	1 424	587	70	13
209 Designer, n.e.c.		476	30	15	82	12	50	3	311	123	3	2
ARTIST, PERFORMING ARTS AND RELATED OCCUPATIONS		6 031	1 867	672	121	22	91	13	3 755	2 011	197	39

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Musician, e.g. compo- ser, band master, pianist, etc.	210 211	1 897 97	91 15	0 5	35 11	2 3	32 0	0 0	1 546 71	1 031 34	193 0	23 0
.Singer												
.Producer, actor, comedian	212	225	79	6	8	0	0	0	137	68	1	1
.Choreographer, dancer	213	135	9	3	15	7	3	1	108	67	0	0
.Film, television or radio producer/director	214	737	127	10	2	0	22	3	584	206	2	14
.Stage manager, theatre technician, production secretary	215	1 320	454	7	35	5	22	3	809	386	0	1
.Radio and television announcer, etc.	216	204	130	16	0	0	8	4	66	21	0	0
.Artist, performing arts and related occupa- tions, n.e.c., e.g. illusionist	217	1 416	962	625	15	5	4	2	434	198	1	0
AUTHOR AND RELATED OCCU- PATIONS												
.Editor, publisher	218	5 625	429	79	165	98	418	77	4 566	2 901	47	18
.Journalist, radio and television journalist, reporter	219	1 834	70	19	16	3	96	34	1 612	983	40	9
.Writer, scriptwriter, poet	220	2 431	303	48	90	37	78	35	1 959	1 178	1	5
.Advertisment, copy- writer	221	85	16	0	1	0	9	7	59	13	0	0
.Author and related occupations, n.e.c., e.g. critic	222	1 166	27	6	58	58	235	1	841	671	5	2
SPORTS OCCUPATIONS												
.Sports administrator	223	109	13	6	0	0	0	0	95	56	1	2
.Sports promoter	224	1 296	332	20	32	2	17	2	896	402	19	110
.Sports official, ref- eree (full-time)	225	304	163	16	12	2	7	1	122	19	0	74
.Trainer, coach, physi- cal training instructor	226	92	30	3	0	0	0	0	62	17	0	8
.Sportsman (professio- nal)	227	161	49	1	0	0	1	0	111	13	0	18
		594	68	0	5	0	1	0	512	323	8	4
		49	2	0	2	0	2	0	43	1	0	0

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Sports occupations, n.e.c.	228	96	20	0	13	0	6	1	46	29	11	6
Art and entertainment occupations, n.e.c.	229	582	141	22	11	6	4	0	426	132	0	1
Professional, semi- professional and tech- nical occupations, n.e.c.	230	2 570	215	1	51	4	19	0	2 285	45	0	2
GROUP TOTAL	901	722 383	262 347	152 449	67 074	42 550	31 494	12 841	330 697	128 163	30 771	28 938
MANAGERIAL, EXECUTIVE AND ADMINISTRATIVE OCCUPATIONS												
LEGISLATIVE, EXECUTIVE AND MANAGERIAL OCCUPA- TIONS (GOVERNMENT SECTOR)												
LEGISLATIVE AND RELATED OFFICIAL		930	497	38	101	0	58	6	271	26	3	75
Member of parliament	231	543	168	27	95	0	54	5	224	12	2	37
Member of president's council	232	18	2	0	0	0	0	0	16	3	0	15
Legislative and related official, n.e.c.	233	369	327	11	6	0	4	1	31	11	1	23
GOVERNMENT ADMINISTRATOR AND RELATED EXECUTIVE AND MANAGERIAL OCCUPA- TIONS		7 679	558	44	107	7	63	8	6 374	463	577	922
Director-general, deputy director-general and equivalent occupa- tions	234	181	9	1	1	0	1	0	150	0	20	20

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Ambassador, commissioner-general, etc.	235	13	1	0	0	0	0	0	11	1	1	0
President/chairman of a council/commission/committee	236	244	64	7	5	0	4	0	170	14	1	5
Director, chief, deputy director and equivalent occupations in the public sector	237	4 927	297	28	59	1	29	5	4 061	281	481	703
Executive official (control level), e.g. registrar of university	238	182	21	1	9	0	2	1	149	11	1	10
Town clerk, treasurer	239	854	45	0	4	0	8	0	751	74	46	31
Government administrator and related executive and managerial occupations, n.e.c.	240	1 278	121	7	29	6	19	2	1 082	82	27	153
MANAGERIAL OCCUPATIONS (EXCLUDING GOVERNMENT SECTOR)												
DIRECTOR/MANAGER: TOP EXECUTIVE OF COMPANY, PUBLIC CORPORATION OR PARTNERSHIP		44 269	258	11	454	94	2 051	90	40 763	3 903	743	56
Chief executive, general manager, company director	241	20 814	185	6	89	2	1 033	10	19 247	1 704	260	30
Assistant chief executive	242	1 686	18	0	90	80	4	1	1 444	184	130	1
Managing, executive director	243	7 842	22	1	40	1	327	9	7 364	558	89	4
Director/manager: Company director, n.e.c.	244	13 927	33	4	235	11	687	70	12 708	1 457	264	21
MANAGERIAL OCCUPATIONS: ADMINISTRATIVE AND RELATED		67 720	2 835	532	1 888	599	2 566	417	55 411	11 564	5 020	681

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Managers: Administrative	245	14 945	615	99	474	138	696	128	11 766	3 124	1 394	65
MANAGERS: MANPOWER/HUMAN RESOURCES												
Managers: Training	246	1 490	161	32	68	20	93	15	1 087	299	81	10
Managers: Personnel	247	2 433	193	37	53	28	81	34	1 875	780	231	26
Managers: Manpower/human resources, n.e.c., e.g. labour relations	248	2 219	203	16	42	18	29	7	1 817	426	128	41
Managers: Financial and related, e.g. credit, investment, etc.	249	13 488	492	154	205	69	411	73	11 801	2 275	579	144
Managers: Marketing, advertising, liaison work, publicity	250	7 869	257	42	119	31	208	38	7 021	1 539	264	85
Managers: Sales (not retail or wholesale)	251	7 780	243	43	147	31	344	40	6 878	847	168	139
Managers: Purchases	252	2 448	99	12	190	72	221	23	1 849	239	89	17
Managers: Administrative and related, n.e.c.	253	15 048	572	97	590	192	483	59	11 317	2 035	2 086	154
MANAGERIAL OCCUPATIONS: TECHNICAL AND RELATED												
Managers: Industrial, production, technical, factory, works (not mines)	254	18 515	478	78	889	110	996	52	15 316	558	836	303
Managers: Mining production	255	1 080	4	0	0	0	4	0	1 066	0	6	1
Managers: Engineering design, testing, maintenance, etc.	256	2 494	34	4	39	4	50	3	2 276	32	95	16
Managers: Building and construction (building contractor)	257	1 939	103	0	128	0	41	0	1 632	4	35	2
Managers: Contracts	258	1 991	39	6	58	0	23	0	1 835	69	36	3

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT											VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.		
			T	F	T	F	T	F	T	F			
Managers: Research and development	259	919	15	7	25	1	27	1	811	105	41	8	
Managers: Data processing	260	2 784	31	5	145	38	169	12	2 276	355	163	86	
Managers: Transport, storage	261	6 227	579	16	274	19	838	4	4 435	255	101	333	
Managers: Technical and related, n.e.c., e.g. development manager	262	3 291	113	6	137	5	70	9	2 881	134	90	71	
MANAGERIAL OCCUPATIONS: TRADE AND RELATED SERVICES		48 711	7 955	1 889	3 217	1 568	4 514	1 045	32 087	8 621	938	206	
Managers: Retail	263	22 100	2 279	612	2 291	1 106	2 443	711	14 549	5 717	538	21	
Managers: Wholesale	264	4 191	126	4	152	83	197	13	3 638	378	78	7	
Managers: Motor trade	265	5 151	7	0	100	2	419	0	4 625	87	0	11	
Managers: Fixed property, insurance, stocks	266	2 126	27	4	51	7	50	8	1 769	343	229	3	
Managers: Catering services	267	10 259	4 773	838	346	218	829	260	4 302	1 141	9	64	
Managers: Accommodation services	268	1 816	484	308	129	98	122	43	1 042	390	39	26	
Managers: Entertainment and recreation services	269	1 083	59	37	53	15	29	3	930	291	12	3	
Director/superintendent: Hospital, medical services	270	324	33	4	4	0	4	0	275	72	8	68	
Managers: Trade and services, n.e.c., e.g. welfare services	271	1 661	167	82	91	39	421	7	957	202	25	3	
Managerial occupations, n.e.c.	272	4 079	340	58	190	54	162	42	3 305	474	82	98	
ADMINISTRATIVE OCCUPATIONS (PUBLIC AND GOVERNMENT SECTORS)		8 691	1 191	84	426	75	207	55	6 400	2 032	467	870	
Secretary, e.g. company, mine, employer/employment agency, trade union, medical aid fund, school, etc.	273	1 927	211	23	93	29	26	13	1 574	596	23	248	

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Member of diplomatic service, diplomat, foreign affairs official	274	366	13	1	3	7	4	333	137	0	109	
Chief administrative official and related occupations, e.g. assistant director (administrative official, see PC 278)	275	3 594	63	12	11	84	10	3 006	713	380	490	
Trade union official/organiser	276	991	646	45	25	56	26	111	21	64	8	
Administrative occupations, n.e.c., e.g. postmaster	277	1 813	258	3	7	34	2	1 376	565	0	15	
GROUP TOTAL	902	221 319	15 030	2 778	2 574	11 839	1 744	177 139	28 595	9 233	3 731	
=====												
CLERICAL AND SALES OCCUPATIONS												
=====												
CLERICAL OCCUPATIONS												
=====												
CLERICAL SUPERVISOR AND ADMINISTRATIVE OFFICIAL		90 903	9 913	3 351	4 217	5 627	2 374	60 393	35 019	7 683	4 294	
Administrative and senior administrative official	278	47 511	5 212	1 655	2 814	2 196	769	33 573	17 184	3 716	2 970	
Clerical supervisor (general), chief clerk	279	25 969	2 715	840	1 372	1 609	752	16 238	10 509	3 292	1 143	
Clerical supervisor: Bookkeeping, accounts	280	7 213	506	203	630	768	434	4 922	3 450	179	97	
Clerical supervisor: Cashier and related	281	3 166	556	406	501	365	192	1 629	1 430	52	1	
Typing pool and related supervisor	282	933	74	57	68	39	24	671	607	60	35	
Business machines and computer operator supervisor	283	1 348	99	7	64	151	31	858	478	59	16	

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Clerical supervisor, n.e.c.	284	4 763	751	183	686	318	499	172	2 502	1 361	325	32
CLERK (GENERAL)		341 049	92 162	30 549	47 195	24 536	27 049	10 432	146 375	112 325	28 268	7 223
Clerk - general: Senior, junior, person- al, office clerk, clerk grade I, II, III, clerical assistant	285	131 857	28 191	11 101	16 563	9 894	10 443	4 561	65 215	53 001	11 445	2 383
Administrative assis- tant, administrative clerk, personnel clerk, correspondence clerk	286	100 614	22 582	9 971	12 077	7 692	5 084	2 858	53 236	43 463	7 635	3 280
Clerk: Records, regis- ters, filing, statis- tics, library, etc.	287	21 262	8 016	4 036	2 897	1 819	1 612	982	6 709	6 048	2 028	610
Clerk: Supplies, sta- tionery, equipment, storeman, etc.	288	56 836	21 486	3 264	10 091	3 125	5 388	1 059	13 287	5 461	6 584	872
Clerk: Dispatch, post, shipping, railway sta- tion agent, etc.	289	18 717	7 844	1 288	3 792	1 106	2 996	553	3 811	1 857	274	29
Clerk: N.e.c., e.g. transport, production, advertising	290	11 763	4 043	889	1 775	900	1 526	419	4 117	2 495	302	49
BOOKKEEPER AND RELATED FINANCIAL CLERK		115 869	12 543	5 436	14 206	10 736	12 009	6 852	74 816	64 106	2 295	992
Bookkeeper	291	21 698	525	204	1 400	1 006	1 831	631	17 684	15 934	258	54
Accounts clerk	292	30 916	3 997	1 459	3 596	2 777	3 489	1 922	19 348	17 235	486	373
Auditing clerk (not articulated)	293	1 992	161	34	76	29	155	32	1 458	836	142	45
Clerk: Financial, bank, investment, credit, sa- lary, cost, price, etc.	294	57 834	7 114	3 542	8 817	6 720	6 331	4 194	34 501	28 638	1 071	454
Financial clerk, n.e.c.	295	3 429	746	197	317	204	203	73	1 825	1 463	338	66
CASHIER		69 836	20 350	15 421	16 241	13 011	6 229	4 821	25 418	20 783	1 598	247
Cashier, teller (bank)	296	11 788	1 174	565	1 074	811	895	701	7 565	6 288	1 080	21

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Post office counter clerk	297	5 907	865	111	412	147	314	36	4 316	3 132	0	0
.Cashier (shop)	298	41 495	14 590	12 822	13 717	11 339	3 997	3 497	8 915	7 539	276	125
.Cashier, n.e.c.	299	10 646	3 721	1 923	1 038	714	1 023	587	4 622	3 824	242	101
SECRETARY, TYPIST, INFORMATION AND RELATED CLERK												
.Secretary	300	127 358	8 186	6 922	9 314	8 879	6 247	5 225	97 111	94 754	6 500	1 897
.Typist, typist/clerk/telephonist, word processor operator	301	48 405	1 180	1 136	2 057	1 990	1 509	1 443	41 464	41 121	2 195	621
.Data typist, punch operator	302	38 933	3 067	2 849	2 952	2 908	1 589	1 339	28 517	28 205	2 808	958
.Information, reception, travel agency clerk	303	14 732	1 387	1 110	1 842	1 724	1 286	824	9 498	9 156	719	232
.Information and related clerk, n.e.c., e.g. examining clerk	304	23 233	2 140	1 507	2 235	2 058	1 730	1 554	16 721	15 462	407	61
		2 055	412	320	228	199	133	65	911	810	371	25
BUSINESS MACHINE OPERATOR AND COMPUTER OPERATOR												
		19 703	4 461	1 894	3 092	1 661	2 459	1 022	8 967	6 619	724	247
.Electronic computer operator	305	15 494	2 754	1 265	2 391	1 396	2 083	849	7 613	5 435	653	205
.Calculator, bookkeeping machine, adding machine operator	306	1 743	233	108	269	93	248	129	991	898	2	16
.Photocopier, mimeo machine operator	307	1 645	1 109	372	237	59	84	28	165	119	50	22
.Business machine operator, n.e.c., e.g. optical reader, microfilm	308	821	365	149	195	113	44	16	198	167	19	4
.Clerical occupations, n.e.c., e.g. meter reader, proofreader, timekeeper, licence inspector, medical aid fund assessor/administrator	309	6 964	2 201	432	1 153	640	580	336	2 877	1 969	153	142

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
SALES OCCUPATIONS												
WORKING PROPRIETOR (RETAIL AND WHOLESALE)		21 855	281	22	386	46	4 875	526	16 273	3 469	40	46
.Working proprietor (wholesale)	310	921	0	0	3	0	601	42	317	27	0	0
.Working proprietor (retail - not cafe or restaurant)	311	10 953	136	22	147	45	3 156	390	7 506	1 770	8	46
.Working proprietor (importer and exporter)	312	269	0	0	0	0	235	0	34	12	0	0
.Working proprietor, n.e.c.	313	9 712	145	0	236	1	883	94	8 416	1 660	32	0
SALES SUPERVISOR		14 185	2 812	1 300	2 728	1 982	1 316	573	7 271	3 193	58	22
.Sales supervisor: Technical sales	314	517	20	0	27	11	47	4	421	71	2	0
.Sales supervisor: Retail and wholesale	315	12 321	2 461	1 289	2 537	1 929	1 189	557	6 084	2 854	50	9
.Sales supervisor: Insurance, property, services	316	595	213	8	91	16	28	7	263	111	0	0
.Sales supervisor, n.e.c.	317	752	118	3	73	26	52	5	503	157	6	13
TECHNICAL SALES OCCUPA- TIONS												
.Sales engineer	318	6 652	206	18	351	40	316	23	5 695	926	84	42
.Technical sales worker	319	1 677	51	2	14	2	60	4	1 490	86	62	13
.Technical service advi- ser	320	2 682	90	10	170	16	131	10	2 270	630	21	19
.Technical sales occupa- tions, n.e.c.	321	1 275	19	0	67	5	57	1	1 131	94	1	5
		1 018	46	6	100	17	68	8	804	116	0	5
SALES WORKER, SHOP ASSISTANT		165 558	70 347	33 399	28 364	17 677	16 373	7 061	49 536	27 589	938	315
.Sales worker - retail, wholesale and car sales	322	77 143	27 441	15 766	13 356	8 423	9 619	3 746	26 203	12 719	524	104

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Shop and counter assis- tant, florist	323	67 922	25 582	14 995	13 402	8 988	6 483	3 237	22 097	14 538	358	173
Demonstrator	324	608	131	103	22	13	87	69	368	275	0	0
Mannequin, model	325	29	1	1	4	4	6	6	18	18	0	0
Sales worker, n.e.c., e.g. theatre, street vendor, petrol pump attendant, hawk	326	19 856	17 192	2 534	1 580	249	178	3	850	39	56	38
SALES WORKER: INSURANCE, PROPERTY, SERVICES		25 311	4 504	948	1 416	388	942	271	17 928	7 206	521	544
Stock broker	327	435	4	1	2	1	10	5	418	83	1	0
Insurance agent, insu- rance broker	328	15 264	3 799	816	1 165	289	617	131	9 277	2 263	406	59
Estate agent, property broker	329	6 191	208	85	80	31	120	59	5 763	3 370	20	462
Advertising agent, bu- siness and related ser- vices sales worker and representative	330	2 578	177	42	127	57	163	54	2 107	1 307	4	16
Auctioneer	331	44	0	0	0	0	0	0	44	1	0	0
Services and related sales workers, n.e.c.	332	799	316	4	42	10	32	22	319	182	90	7
REPRESENTATIVE, AGENT, N.E.C.		39 648	4 571	371	2 017	314	2 573	247	29 878	8 224	609	431
Factory representative, manufacturer's agent	333	2 659	258	4	176	30	298	102	1 920	357	7	57
Travelling salesman, sales representative	334	33 655	4 083	338	1 780	266	2 135	129	25 068	6 554	589	363
Market agent, abattoir agent	335	240	110	0	1	0	4	0	125	7	0	0
Representative, agent, n.e.c., e.g. medical, shipping	336	3 094	120	29	60	18	136	16	2 765	1 306	13	11
Sales worker, n.e.c., e.g. purchaser, sales negotiator, sales pro- moter, client canvasser	337	16 811	2 914	470	2 140	972	2 096	694	8 950	4 603	711	109

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
GROUP TOTAL	903	1 061 702	235 451	100 533	135 890	85 099	88 691	40 457	551 488	390 785	50 182	16 551
TRANSPORT, DELIVERY AND COMMUNICATIONS OCCUPATIONS												
TRANSPORT OCCUPATIONS												
MERCHANT NAVY OCCUPATIONS		2 870	671	0	851	0	25	0	1 320	4	3	97
.Sea captain and related merchant navy supervisor	338	389	1	0	70	0	2	0	314	0	2	37
.Navigator, helmsman	339	189	2	0	64	0	11	0	112	3	0	4
.Ship's engineer	340	597	26	0	178	0	9	0	384	1	0	31
.Sailor, stoker (ship), boatswain	341	282	149	0	104	0	0	0	28	0	1	4
.Merchant navy occupations, n.e.c.	342	1 413	493	0	435	0	3	0	482	0	0	21
ROAD TRANSPORT OCCUPATIONS		147 899	108 860	582	17 542	247	6 500	77	11 022	249	3 975	2 355
.Road transport foreman, supervisor	343	2 809	820	10	256	2	354	31	1 301	27	78	127
.Driver (chauffeur, taxi, ambulance driver)	344	11 320	8 203	177	1 327	16	314	4	827	37	649	240
.Bus driver	345	17 894	14 546	38	1 784	26	476	0	1 017	56	71	238
TRUCK DRIVER:												
.Light delivery vehicle driver	346	33 239	25 149	157	4 312	101	1 969	22	1 350	82	459	244
.Truck, road tanker driver (less than 3 500 kg gross vehicle mass)	347	26 749	19 599	168	2 998	96	1 042	20	1 757	19	1 353	503
.Truck, road tanker driver (more than 3 500 kg gross vehicle mass)	348	49 844	35 459	18	6 361	6	2 194	0	4 697	25	1 133	989

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES	
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.		
			T	F	T	F	T	F	T	F			
Road transport occupa- tions, n.e.c., e.g. motor cyclist (delive- ry)	349	6 044	5 084	14		504	0	151	0	73	3	232	14
RAIL TRANSPORT OCCUPA- TIONS		29 421	16 075	14		1 897	1	354	0	11 040	65	55	758
Station master, station foreman and related rail transport supervi- sor	350	1 470	66	0		17	0	5	0	1 382	5	0	17
Train driver (any industry)	351	7 227	2 742	0		21	0	9	0	4 436	0	19	36
Stoker and driver's as- sistant (any industry)	352	2 733	449	0		92	0	54	0	2 133	0	5	0
Load master	353	800	168	0		6	0	175	0	451	52	0	426
Shunter	354	4 560	3 257	2		282	0	27	0	963	0	31	5
Rail transport occupa- tions, n.e.c., e.g. signalman, bell-ringer, railway official (see PC 542 for freight and baggage handler - hand and packer)	355	12 631	9 393	12		1 479	1	84	0	1 675	8	0	274
AIR TRANSPORT OCCUPA- TIONS		5 294	384	148		253	98	76	46	4 540	1 201	41	268
Air transport supervi- sor	356	626	4	0		0	0	3	0	619	8	0	22
Pilot	357	1 768	8	0		9	0	3	0	1 707	5	41	12
Navigator	358	100	0	0		0	0	0	0	100	0	0	0
Flight engineer	359	209	0	0		2	0	0	0	207	28	0	0
Air traffic controller	360	301	0	0		5	0	1	0	295	75	0	9
Air hostess, ground hostess, cabin offi- cial, flight steward	361	1 809	326	138		221	97	69	46	1 193	1 015	0	90
Air transport occupa- tions, n.e.c., (see PC 542 for freight and baggage handler - hand and packer)	362	481	46	10		16	1	0	0	419	70	0	135

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
TRANSPORT OCCUPATIONS, N.E.C.		8 904	5 275	166	718	26	542	78	2 334	76	35	133
Conductor, ticket in- specter, examiner (bus, train, etc.)	363	3 091	1 257	30	289	0	35	0	1 510	3	0	82
Transport officials, n.e.c., e.g. dispat- cher, inspector, etc.	364	3 876	2 137	101	421	24	484	78	808	65	26	49
Transport occupations, n.e.c.	365	1 937	1 881	35	8	2	23	0	16	8	9	2
COMMUNICATIONS OCCUPA- TIONS												
MAIL DISTRIBUTION OCCU- PATIONS		35 397	21 031	4 263	5 768	1 258	1 514	514	5 779	3 298	1 305	473
Postal sorter	366	1 998	451	181	251	166	140	61	1 154	996	2	9
Transport officials, n.e.c., e.g. dispat- cher, inspector, etc.	364	3 876	2 137	101	421	24	484	78	808	65	26	49
Transport occupations, n.e.c.	365	1 937	1 881	35	8	2	23	0	16	8	9	2
COMMUNICATIONS OCCUPA- TIONS												
MAIL DISTRIBUTION OCCU- PATIONS		35 397	21 031	4 263	5 768	1 258	1 514	514	5 779	3 298	1 305	473
Postal sorter	366	1 998	451	181	251	166	140	61	1 154	996	2	9
Postman	367	5 576	2 253	43	1 324	13	562	5	1 437	410	0	0
Messenger	368	17 843	13 418	3 004	2 403	678	241	47	504	73	1 277	447
Mail distribution occu- pations, n.e.c.	369	9 980	4 909	1 035	1 790	401	571	401	2 684	1 819	26	17
TELECOMMUNICATIONS OCCU- PATIONS		16 293	2 012	1 276	1 550	1 210	1 088	714	11 088	8 742	555	196
Telephonist, switchboard operator	370	13 840	1 717	1 079	1 225	1 065	716	559	9 708	7 970	474	183

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Telegraphist, telex operator	371	617	100	76	91	85	34	27	342	294	50	3
Radio operator (ship, aviation, broadcasting corporation)	372	190	15	6	23	4	6	2	141	18	5	1
Telecommunications occupations, n.e.c. (see PC 216 for radio and television announcer)	373	1 646	180	115	211	56	332	126	897	460	26	9
GROUP TOTAL	904	246 078	154 308	6 449	28 579	2 840	10 099	1 429	47 123	13 635	5 969	4 280
=====												
SERVICE OCCUPATIONS												
PROTECTIVE SERVICE OCCU- PATIONS (NOT PROFESSIO- NAL, TECHNICAL, MANAGE- RIAL, CLERICAL, ARTISAN, OPERATOR)												
DEFENCE OCCUPATIONS												
Member of permanent force, n.e.c.	374	19 828	1 363	38	1 735	81	339	15	16 391	2 853	0	0
Defence occupations, n.e.c.	375	..	..	..	..	..	..	..	..	..	..	..
LAW ENFORCEMENT AND RELATED SERVICE OCCUPA- TIONS												
Police officer, detec- tive (public service)	376	106 409	10 600	804	0	0	2	0	36	0	95 771	4 203
Private detective and related occupations	377	6	0	0	0	0	0	0	5	0	1	0
Traffic officer	378	5 975	759	21	584	49	132	29	3 604	211	896	720
Law enforcement and re- lated service occupa- tions, n.e.c.	379	2 738	995	16	202	14	193	10	1 340	314	8	61

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
PROTECTIVE SERVICE OCCU- PATIONS, N.E.C.		133 810	82 827	4 239	13 244	1 411	2 513	188	31 157	3 631	4 069	3 570
.Prison service warden	380	19 268	8 004	850	2 743	275	233	5	8 288	1 575	0	0
.Fire prevention officer	381	4 807	767	2	567	0	214	0	3 070	48	189	310
.Ranger, game warden	382	1 301	730	7	9	0	0	0	89	2	473	0
.Security officer and related occupations	383	59 404	35 019	1 688	6 992	819	1 381	139	13 968	1 296	2 044	1 408
.Doorkeeper, gatekeeper, porter and related oc- cupations	384	11 215	8 121	779	1 179	103	191	12	1 444	116	280	316
.Caretaker - buildings and grounds (including security guard, night- guard, site supervisor .Protective services occupations, n.e.c., e.g. lifeguard	385 386	37 350 465	30 119 67	908 5	1 688 66	213 1	458 36	28 4	4 008 290	576 18	1 077 6	1 504 32
CATERING AND ACCOMMODA- TION SERVICES OCCU- PATIONS		123 047	91 486	51 020	10 241	7 341	4 179	1 417	10 676	4 266	6 465	1 405
.Working proprietor (restaurant, cafe, milkbar, tearoom, etc.)	387	3 568	15	11	3	0	409	165	3 141	615	0	0
.Catering services supervisor	388	4 218	1 058	376	659	344	278	60	2 023	1 280	200	215
.Caterer	389	2 411	683	213	210	62	92	35	1 033	355	393	25
.Barman, waiter	390	17 444	12 296	3 710	1 601	842	1 594	298	1 783	830	170	126
.Chef, cook	391	23 951	19 855	5 248	1 453	913	810	258	1 633	503	200	102
.Kitchen worker, pantry man, tea servant	392	61 394	50 344	36 729	5 366	4 600	556	274	616	452	4 512	895
.Catering services occu- pations, n.e.c.	393	10 061	7 235	4 733	949	580	440	327	447	231	990	42
ACCOMMODATION SERVICES OCCUPATIONS		22 441	11 722	8 482	3 530	3 415	189	151	5 546	5 053	1 454	592

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Working proprietor (hotel, motel, guest house, boardinghouse, caravan park, etc.)	394	575	64	0	1	1	18	4	492	187	0	1
.Accommodation services supervisor, matron, boardinghouse keeper	395	9 564	2 418	1 754	1 537	1 480	103	85	4 635	4 464	871	495
.Accommodation services workers, n.e.c., e.g. linen closet keeper	396	12 302	9 240	6 728	1 992	1 934	68	62	419	402	583	96
PERSONAL AND RELATED SERVICES OCCUPATIONS												
PERSONAL SERVICES OCCUPATIONS		12 034	2 522	2 197	1 872	1 745	558	484	6 509	5 200	573	60
.Beautician and related occupations	397	1 810	122	102	176	157	107	102	1 385	1 307	20	0
HAIRDRESSER:												
.Barber (including apprentices and lear- ners)	398	900	136	0	136	68	138	69	490	76	0	0
.Ladies hairdresser (in- cluding apprentices and learners)	399	5 978	395	228	554	514	70	70	4 426	3 609	533	60
.Personal services occu- pations, n.e.c., e.g. hairdresser's assistant	400	3 346	1 869	1 867	1 006	1 006	243	243	208	208	20	0
HEALTH, SOCIAL, AND RELATED SERVICES OCCU- PATIONS (ALSO SEE PRO- FESSIONAL OCCUPATIONS)		55 341	29 678	23 689	9 027	7 617	731	562	10 332	8 435	5 573	4 265
.Ambulance man, first- aid worker	401	3 304	1 582	58	608	26	60	3	1 038	129	16	166
.Nursing assistant, auxiliary nurse, mid- wife, etc. (not regis- tered)	402	47 363	25 655	22 562	7 834	7 203	523	503	8 046	7 694	5 305	3 733

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Social worker (not qualified)	403	456	198	45	106	63	3	2	52	42	97	12
Undertaker, embalmer, crematorium worker	404	1 011	342	49	40	1	41	6	578	90	10	13
Health, welfare and related service workers n.e.c.	405	3 207	1 901	975	439	324	104	48	618	480	145	341
PERSONAL AND RELATED SERVICES OCCUPATIONS, N.E.C.		8 103	2 227	1 411	2 027	1 446	287	75	3 108	2 419	454	35
Nursery school supervisor, child-care centre assistant	406	4 355	960	951	1 115	1 075	42	36	2 024	2 011	214	7
Guide, tour guide, escort	407	636	92	5	13	11	2	2	349	169	180	6
Entertainment and recreation services occupations, e.g. usher, cinema operator	408	2 442	1 077	429	429	213	178	5	698	216	60	6
Personal and related services occupations, n.e.c.	409	670	98	26	470	147	65	32	37	23	0	16
Domestic worker	410	1 049	920	562	105	74	3	3	4	1	17	4
SERVICES WORKERS, N.E.C.		16 928	11 637	8 252	3 067	2 741	1 148	732	209	159	867	420
Laundress, washer	411	7 420	5 476	3 705	1 053	966	104	34	186	142	601	418
Dry-cleaning worker	412	3 238	2 754	2 086	404	401	58	24	22	16	0	1
Presser, ironer	413	6 270	3 407	2 461	1 610	1 374	986	674	1	1	266	1
Worker: Businesses, hotels, etc.	414	26 814	23 319	11 153	2 386	1 051	427	151	675	241	7	16
Charworker - buildings	415	136 117	97 238	63 517	25 552	16 038	678	289	9 153	1 112	3 496	5 138
Pest control officer, sanitarian, sanitation officer	416	1 034	755	5	126	1	8	0	140	2	5	32
Outdoor officer, e.g. customs and excise	417	1 282	59	8	221	164	29	7	973	330	0	205
Service worker, n.e.c., e.g. lift operator	418	1 407	976	221	356	120	43	18	26	10	6	74

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
GROUP TOTAL	905	674 363	369 083	175 635	74 275	43 308	11 459	4 131	99 884	34 237	119 662	20 800
FARMING AND RELATED OCCUPATIONS												
FARMER, FARM MANAGER												
FARMER, NURSERY MAN		155	13	0	3	3	6	1	133	14	0	0
.Farmer, vegetable, fruit, poultry farmer, etc.	419	72	0	0	0	0	0	0	72	0	0	0
.Nursery man (plant, flower, bulb, seed grower, etc.)	420	83	13	0	3	3	6	1	61	14	0	0
FARM MANAGER, FOREMAN AND RELATED WORKER		4 099	1 598	159	474	51	220	2	1 792	122	15	220
.Farm manager	421	744	72	0	50	0	129	0	492	9	1	15
.Foreman, supervisor: Farm	422	1 217	623	39	180	2	79	0	332	12	3	118
.Forester and related worker	423	672	242	18	21	4	7	2	398	73	4	29
.Foreman, supervisor: Horticulture	424	787	285	4	125	38	1	0	369	20	7	51
.Farm manager, foreman and related occupa- tions, n.e.c.	425	679	376	98	98	7	4	0	201	8	0	7
FARM, FOREST, NURSERY AND RELATED WORKER												
.Farm worker, e.g. farming implement operator, tractor driver, etc.	426	11 194	7 235	258	953	117	190	3	157	11	2 659	304
.Forestry worker	427	12 560	10 265	4 434	453	210	0	0	33	0	1 809	340
.Nursery, garden worker	428	18 363	14 339	1 500	3 405	94	202	34	219	33	198	827
.Farm and related worker n.e.c.	429	26 458	21 584	9 650	4 592	1 638	209	38	17	9	56	312

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
FISHERMAN, HUNTER AND RELATED WORKER:		3 393	1 505	24	1 723	0	0	0	165	0	0	242
.Fisherman, fish breeder and related worker	430	3 384	1 499	24	1 723	0	0	0	162	0	0	242
.Hunter and related worker	431	9	6	0	0	0	0	0	3	0	0	0
.Farming and related worker, n.e.c., e.g. animal tender	432	5 606	5 242	1 170	117	61	0	0	53	16	194	31
GROUP TOTAL	906	81 828	61 781	17 195	11 720	2 174	827	78	2 569	205	4 931	2 276
PRODUCTION FOREMAN AND SUPERVISOR, MINER AND QUARRY WORKER, OPERATOR, PRODUCTION AND RELATED WORKER												
PRODUCTION FOREMAN, PRODUCTION SUPERVISOR												
FOREMAN, SHIFT BOSS: MINE AND QUARRY		13 294	2 253	7	168	2	57	0	10 570	2	246	111
.Mine overseer	433	1 161	37	6	7	1	22	0	1 085	0	10	10
.Foreman, shift boss: Mining	434	7 234	1 788	1	38	1	18	0	5 222	0	168	75
.Foreman: Mining engi- neering division, arti- san foreman	435	3 481	190	0	26	0	15	0	3 196	0	54	17
.Foreman: Reduction, uranium and sulphuric acid plant	436	1 063	191	0	32	0	1	0	830	2	9	6
.Foreman: Mine and quarry, n.e.c., e.g. water, oil and gas drilling	437	355	47	0	65	0	1	0	237	0	5	3
.Supervisor: Mine and quarry	438	1 423	773	0	139	35	9	0	502	0	0	4

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
PRODUCTION FOREMAN, SUPERVISOR (NOT MINE AND QUARRY)												
Food, drink and tobacco preparation and manu- facturing	439	7 066	2 377	503	1 503	385	401	7	2 345	74	440	284
Clothing and textile manufacturing	440	7 294	1 825	675	2 466	1 446	1 507	793	1 407	465	89	5
Leather, artificial leather preparation and shoe manufacturing	441	1 348	117	82	354	134	660	85	204	10	13	0
Wood processing, paper and wood product manu- facturing	442	3 705	1 354	21	581	33	578	25	1 171	12	21	30
Chemical, petroleum, coal, rubber and plas- tic products manufactu- ring and processing	443	6 378	1 781	122	912	111	661	20	2 923	66	101	43
Manufacturing and pro- cessing of non-metallic mineral products, e.g. glass, fibreglass, cement, lime, bricks, tiles, etc.	444	1 937	730	15	262	54	55	0	830	10	60	5
Metal manufacturing and processing	445	3 212	838	2	106	3	82	0	2 008	0	178	7
Metal products, machi- nery and transport equipment manufacturing	446	10 768	2 121	54	1 514	74	562	19	6 011	47	560	138
Electrical equipment manufacturing and main- tenance	447	2 137	331	9	309	116	120	25	1 317	121	60	4
Professional, scienti- fic, measurement and control instruments	448	98	24	0	14	1	9	0	49	2	2	1
Production and distri- bution of electricity, gas and water	449	1 695	223	1	144	0	47	0	1 277	0	4	130
Building and construc- tion	450	8 563	1 707	0	1 412	0	502	7	4 421	3	521	269
Production foreman, supervisor, n.e.c.	451	20 221	6 957	1 443	3 230	429	1 655	91	7 715	537	664	944

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
MINING, QUARRY AND RELAT- ED WORKER												
MINING OCCUPATIONS												
MINING GEOLOGIST (ROCK MECHANICS AND STRATA CONTROL SCIENTIST) - SEE PC 060												
METALLURGICAL OFFICIAL - SEE PC 096		58 156	46 423	50	590	6	36	0	10 519	25	588	156
.Sampler	452	1 744	1 270	0	25	0	20	0	381	22	48	4
.Strata control official	453	93	22	0	0	0	0	0	71	0	0	5
.Miner and related wor- ker, e.g. surface blas- ter, shaft timberman, winding engine driver, etc.	454	18 724	9 987	29	183	0	6	0	8 409	1	139	115
.Mining worker, n.e.c.	455	37 595	35 144	21	382	6	10	0	1 658	2	401	32
MINING AUXILIARY SERVICES (ABOVE GROUND)		44 172	41 750	411	799	0	25	0	1 219	16	379	115
.Crew leader, leading hand (above ground)	456	5 499	5 298	8	65	0	1	0	134	0	1	30
.Ore processing occupa- tions (processing and recovering)	457	14 820	13 677	50	364	0	10	0	488	6	281	5
.Mining auxiliary servi- ces (above ground), n.e.c.	458	23 853	22 775	353	370	0	14	0	597	10	97	80
MINING AUXILIARY SERVICES (UNDERGROUND)		161 977	160 599	3	322	0	20	0	895	1	141	137
.Crew leader, leading hand (underground)	459	30 328	30 163	0	22	0	7	0	113	0	23	38
.Drill operator (dia- mond, pneumatic, elec- tric, etc.)	460	47 536	47 125	3	115	0	1	0	216	0	79	37
.Mining auxiliary servi- ces (underground), n.e.c.	461	84 113	83 311	0	185	0	12	0	566	1	39	62

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
MINER AND QUARRY WORKER SEE PC 540												
.Miner, quarry worker and related workers, n.e.c., e.g. water, oil and gas drill operator	462	12 369	11 427	1	798	0	1	0	67	0	76	37
GROUP TOTAL	907	365 813	283 610	3 399	15 623	2 829	6 987	1 072	55 450	1 391	4 143	2 420
OPERATOR, PRODUCTION WORKER AND RELATED SEMI- SKILLED WORKER												
FOOD, BEVERAGE AND TOBACCO PREPARATION AND MANUFACTURING		91 568	53 723	13 643	25 398	15 474	2 565	528	2 192	259	7 690	249
.Sugar processor and refiner	463	2 696	2 121	2	19	3	523	75	33	0	0	0
.Meat processor	464	18 120	12 626	5 275	3 705	2 350	629	332	950	69	210	52
.Canner	465	7 834	2 304	1 836	5 375	4 447	0	0	22	0	133	0
.Dairy products pro- cessor	466	7 061	5 690	685	987	416	221	0	156	3	7	21
.Bakery worker	467	13 967	7 139	1 987	1 681	779	521	74	142	60	4 484	41
.Sweet maker, etc.	468	1 063	437	91	65	47	4	1	5	0	552	0
.Brewer, wine and beve- rage maker, juice extractor	469	1 304	884	31	237	62	17	0	165	0	1	22
.Cigarette and tobacco products maker	470	3 160	1 330	338	1 699	625	0	0	131	80	0	0
.Operator, etc.: Food and beverage manu- facturing, n.e.c., e.g. grain mill worker	471	36 363	21 192	3 398	11 630	6 745	650	46	588	47	2 303	113
CLOTHING AND TEXTILE MANUFACTURING		127 940	61 305	46 836	42 015	33 728	21 161	18 020	1 293	748	2 166	368

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Fibre processing and textile manufacturing, e.g. fibre preparer, spinner and winder, weaver, bleacher, dyer, etc.	472	37 641	24 539	15 540	10 696	6 302	1 752	456	511	113	143	33
Knitting machine operator, hand knitter	473	3 213	1 714	881	1 313	534	147	105	32	6	7	4
Clothing manufacturing, e.g. pattern maker, cutter, clicker, trimmer, seamstress and embroiderer, fur tailor, milliner, etc.	474	81 549	32 934	29 647	27 014	24 327	19 032	17 278	555	455	2 014	327
Operator, etc.: Textile processing, n.e.c., e.g. sail, tent and awning maker	475	5 537	2 118	768	2 992	2 565	230	181	195	174	2	4
LEATHER, ARTIFICIAL LEATHER PREPARATION AND SHOE MANUFACTURING		34 246	12 916	8 325	10 312	6 481	10 619	4 801	201	40	198	10
Preparation of skins and manufacturing of leather	476	2 634	1 940	211	676	65	1	0	17	0	0	6
Shoemaking and shoe repair	477	26 685	8 951	6 836	7 331	4 742	10 128	4 596	77	30	198	4
Leather goods manufacturing (not shoes, clothing)	478	2 946	1 114	800	1 611	1 301	209	115	12	10	0	0
Operator, etc.: Leather and artificial leather preparation, n.e.c.	479	1 981	911	478	694	373	281	90	95	0	0	0
WOOD PROCESSING, PAPER AND WOOD PRODUCTS MANUFACTURING		59 239	43 116	11 584	8 558	2 791	3 974	97	1 258	390	2 333	233
Sawmill sawyer, plywood press operator and related occupations	480	5 100	3 304	387	449	136	94	0	22	0	1 231	13

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Wood processing, n.e.c.	481	11 521	9 708	2 876	966	367	39	0	85	8	723	10
Paper manufacturing	482	2 987	1 782	2	244	93	748	2	213	2	0	14
Paper products manufacturing	483	7 335	4 269	866	1 586	459	1 024	52	456	292	0	3
Woodworking machine operator	484	6 824	5 343	676	1 070	235	323	0	57	0	31	3
Wood products manufacturing	485	10 938	9 030	3 341	1 407	350	316	5	185	12	0	7
Furniture finisher, polisher, sander	486	6 975	4 949	1 775	1 404	544	459	0	94	2	69	26
Upholsterer and related occupations	487	2 793	913	333	920	536	851	38	78	74	31	8
Operator, etc.: Furniture manufacturing, etc., n.e.c.	488	4 766	3 818	1 328	512	71	120	0	68	0	248	149
MANUFACTURING OF CHEMI- CAL, PETROLEUM, COAL, RUBBER AND PLASTIC PRODUCTS		71 041	49 773	8 229	11 630	4 072	3 014	394	5 913	1 179	711	334
Crusher, grinder and mixer	489	1 566	1 302	21	145	7	66	0	53	28	0	0
Cooker, roaster, smel- ter and related heat treater	490	223	207	0	9	3	0	0	7	0	0	0
Filter and separator operator	491	178	148	0	19	0	11	0	0	0	0	0
Still and reactor operator	492	170	124	0	9	0	24	0	13	0	0	0
Petroleum refinery worker	493	486	232	3	19	0	130	0	105	0	0	2
Rubber maker and rubber and plastic products maker	494	9 721	7 002	751	2 134	714	171	3	363	16	51	0
Laboratory assistant (general - unqualified)	495	8 636	5 118	857	1 377	488	797	150	1 110	577	234	115
Operator, etc.: Manufacturing of chemi- cal, petroleum, coal, rubber and plastic pro- ducts, n.e.c.	496	50 061	35 640	6 597	7 918	2 860	1 815	241	4 262	558	426	217

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
NON-METALLIC MINERAL PRODUCTS MANUFACTURING, E.G. GLASS, FIBREGLASS, CEMENT, LIMESTONE, BRICKS, TILES, ETC.		30 585	22 795	4 468	4 807	1 274	509	4	1 092	90	1 382	97
.Glass blower, cutter, grinder and finisher	497	1 177	673	358	261	43	18	0	225	0	0	2
.Glass and glassware manufacturing, n.e.c.	498	2 094	1 058	33	810	165	78	0	148	0	0	15
.Cement, plaster of Paris, lime manu- facturing	499	2 010	1 616	24	317	2	16	0	61	0	0	29
.Cement products manufacturing	500	7 174	6 619	241	478	1	5	0	72	0	0	0
.Brick, clay and related products manufacturing	501	14 357	10 138	3 407	2 642	972	355	0	195	71	1 027	42
.Operator, etc.: Non-metallic mineral products manufacturing, n.e.c.	502	3 773	2 691	405	299	91	37	4	391	19	355	9
METAL MANUFACTURING AND PROCESSING		22 784	18 065	39	1 395	24	361	6	2 061	1	902	15
.Blast furnaceman, refi- ning furnaceman, smel- ter	503	5 904	4 898	4	174	11	57	4	641	0	134	2
.Metal caster, corema- ker, casting-machine operator	504	3 818	2 587	0	444	2	74	0	414	0	299	1
.Operator, etc.: Metal manufacturing and processing, n.e.c., e.g. metal rolling-mill worker	505	13 062	10 580	35	777	11	230	2	1 006	1	469	12
METAL PRODUCTS, MACHINE- RY AND TRANSPORT EQUIP- MENT MANUFACTURING AND MAINTENANCE		203 507	154 346	7 071	26 422	4 157	5 330	211	11 913	657	5 496	1 552

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Welder, welding opera- tor, flamecutter (not artisan)	506	17 628	13 348	210	2 547	98	349	0	1 071	5	313	201
Machinery fitter (not artisan) and assembler, assembly line worker, mounter	507	30 420	22 284	3 110	4 142	1 454	690	71	2 077	367	1 227	103
Sheet-metal worker (not artisan), e.g. vehicle sheet-metal worker, pa- nel-beater, etc.	508	12 843	10 514	178	1 330	11	227	0	559	0	213	39
Machine-tool operator, e.g. machine tool-set- ter, drilling-machine operator (not mine or water), press, power press, guillotine ope- rator, etc.	509	34 974	26 775	1 250	4 027	725	1 274	27	2 233	155	665	59
Painter, spray-painter, painting-machine opera- tor (not construction)	510	9 246	7 039	334	1 533	88	214	0	394	8	66	158
Motor, motor cycle, tractor mechanic, etc.	511	7 479	5 243	10	848	2	206	0	890	0	292	17
Mechanic (not motor) (not artisan)	512	3 582	2 236	27	491	4	306	3	406	0	143	6
Operator, etc.: Metal products, machinery and transport equipment manufacturing and main- tenance, n.e.c.	513	87 335	66 907	1 952	11 504	1 775	2 064	110	4 283	122	2 577	969
ELECTRICAL AND ELECTRO- NIC SEMI-SKILLED WORKER		53 078	35 991	3 628	10 297	4 233	2 332	1 207	3 396	459	1 062	657
Electrician (not arti- san)	514	5 385	3 267	11	1 022	0	88	0	692	2	316	153
Electrical and elec- tronic equipment assem- bler	515	15 522	9 171	2 455	4 267	2 782	1 285	884	644	158	155	280
Communication mainte- nance workers (not technician or artisan)	516	5 082	2 612	14	1 495	13	51	0	924	214	0	3

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Electrical wireman - construction (not artisan)	517	7 378	6 470	130	763	6	69	2	76	0	0	10
.Electrical and elec- tronic semi-skilled worker, n.e.c.	518	19 711	14 471	1 018	2 750	1 432	839	321	1 060	85	591	211
.Professional, scienti- fic, measuring and control instruments worker	519	1 166	694	5	113	61	17	1	57	9	285	34
PRODUCTION AND DISTRIBU- TION OF ELECTRICITY, GAS AND WATER		14 686	9 746	59	1 041	14	663	5	3 180	65	56	568
.Lineman, substation erector	520	1 150	486	0	361	0	0	0	298	0	5	17
.Turbine operator, power plant operator, mainte- nance worker, etc.	521	3 819	2 810	0	51	0	98	0	860	2	0	87
.Pumpman, water, filtra- tion and sewerage installation operator	522	4 385	3 164	41	323	0	154	4	693	6	51	295
.Operator, etc.: Elec- tricity, gas and water supply, n.e.c.	523	5 332	3 286	18	306	14	411	1	1 329	57	0	169
BUILDING AND CONSTRUC- TION		93 039	69 840	524	11 343	14	1 565	0	3 062	25	7 229	1 203
.Carpenter, joiner (not artisan)	524	7 479	5 330	0	1 335	4	223	0	277	3	314	89
.Bricklayer, plasterer, wall and floor tiler (not artisan)	525	8 967	5 907	51	2 243	0	165	0	153	0	499	53
.Floor covering instal- ler: Carpets, etc.	526	1 700	1 320	0	225	0	21	0	134	0	0	3
.Painter (construction) (not artisan)	527	11 479	8 489	32	2 424	0	393	0	115	0	58	54
.Plumber, pipe fitter, pipe layer, lead smel- ter (not artisan)	528	13 725	12 074	10	861	0	347	0	389	0	54	88

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Machinery operator (earth-moving equip- ment, etc.)	529	14 041	10 420	16	1 725	7	80	0	476	21	1 340	209
Concrete, cementation operator, terrazzo, as- phalt, road surface worker	530	10 561	8 270	262	858	0	26	0	949	1	458	506
Roofer, metal roofer, slate and tile roofer, building insulator	531	5 201	981	0	434	0	0	0	145	0	3 641	3
Operator, etc.: Building and construc- tion, n.e.c., e.g. glazier, scaffolder, etc.	532	19 886	17 049	153	1 238	3	310	0	424	0	865	198
OPERATOR, PRODUCTION WORKER AND RELATED SEMI- SKILLED WORKER, N.E.C.		94 908	62 479	6 590	14 001	4 888	8 224	2 504	8 259	1 689	1 945	773
Visual inspection wor- ker, e.g. sorter, in- spection table worker	533	19 258	9 842	3 312	4 643	2 889	3 238	2 364	959	362	576	75
Operator, etc.: Printing process	534	10 370	4 464	1 126	3 518	1 039	1 007	56	1 222	544	159	56
CRANE, STATIONARY ENGINE AND RELATED OPERATOR:												
Crane and hoist opera- tor	535	9 329	6 073	38	355	2	130	0	2 516	608	255	60
Driver: attacker, mate- rial handling equipment operator, lifting-truck operator	536	28 421	22 262	190	2 603	30	2 421	1	483	7	652	169
Stationary engine and equipment operator	537	4 100	3 488	122	330	54	149	18	119	1	14	114
Cycle, sewing, knit- ting, office machine and scale serviceman	538	1 581	1 059	468	194	10	81	2	236	2	11	13
Operator, etc.: N.e.c., e.g. boiler-tender, packing machine opera- tor, etc.	539	21 849	15 291	1 334	2 358	864	1 198	63	2 724	165	278	286

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
GROUP TOTAL	908	897 787	594 789	111 001	167 332	77 211	60 334	27 778	43 877	5 611	31 455	6 093
LABOURER AND OTHER UN- SKILLED WORKERS, N.E.C.												
.Mine and quarry worker	540	137 538	135 657	626	1 367	17	52	0	119	1	343	332
.Building and construc- tion worker	541	156 655	138 690	2 829	12 104	179	906	7	942	493	4 013	747
.Material handler, packer and related un- skilled worker, e.g. freight and baggage handler - hand, steve- dore assistant, docker, packer, machine feeder and related unskilled worker, etc.	542	334 275	256 429	45 302	47 492	16 289	10 458	2 538	6 991	2 191	12 905	7 238
.Labourer or unskilled worker, n.e.c., e.g. refuse remover, street sweeper, park atten- dant, equipment clea- ner, etc.	543	216 642	166 188	29 839	30 540	3 965	3 325	562	1 462	392	15 127	14 761
GROUP TOTAL	909	845 110	696 964	78 596	91 503	20 450	14 741	3 107	9 514	3 077	32 388	23 078
TOTAL NUMBER OF WORKERS IN SECTION 1												
	910	5 116 383	2 673 363	648 035	600 074	279 035	236 471	92 637	1 317 741	605 699	288 734	108 167
SECTION 2 : ARTISANS												
METAL AND ENGINEERING ARTISAN												
SHEET, SHEET-METAL WORKER:												

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT												VACAN- CIES
		AFRICAN/BLACK			COLOURED			INDIAN/ASIAN			WHITE			UNSPEC.
		T	F	T	T	F	T	T	F	T	T	F	T	
TOTAL														
.Sheet worker	544	1 406	0	64	0	0	79	0	0	1 121	0	0	36	21
.Sheet worker/boiler maker	545	10 370	0	1 858	0	0	535	0	0	6 931	3	3	394	65
.Sheet-metal worker	546	1 216	0	173	0	0	43	0	0	590	2	2	51	38
.Aircraft sheet-metal worker	547	386	0	13	0	0	4	0	0	365	0	0	0	0
.Sheet-metal worker, n.e.c., e.g. angle-smith, sheet-smith, copper-smith	548	305	0	35	0	0	9	0	0	190	0	0	2	3
FITTER, TURNER:														
.Fitter (including machine work)	549	16 949	1 542	918	1	0	722	4	0	13 132	2	2	635	319
.Turner (including machine work)	550	2 978	213	247	0	0	164	0	0	2 230	0	0	124	16
.Fitter and turner (mechanical)	551	12 409	478	552	0	0	308	0	0	10 894	9	9	177	149
.Diesel fitter	552	1 337	37	58	0	0	18	0	0	1 138	0	0	86	37
.Passenger coach and truck fitter	553	129	4	7	0	0	5	0	0	113	0	0	0	6
.Fitter, turner, n.e.c., e.g. scale fitter, roller turner	554	1 056	107	67	0	0	53	0	0	821	0	0	8	3
TOOLMAKER, MODEL MAKER:														
.Toolmaker	555	1 615	81	120	0	0	102	0	0	1 269	0	0	43	8
.Tool, jig and dye maker	556	1 553	101	273	0	0	67	0	0	1 099	0	0	13	6
.Tool and machine assembler	557	493	140	63	0	0	31	0	0	255	0	0	4	0
.Model maker	558	197	5	13	0	0	16	0	0	163	0	0	0	7
.Dye cutter and engraver	559	73	6	16	0	0	5	0	0	46	15	15	0	0
.Toolmaker, etc., n.e.c., e.g. rolling tools and template maker	560	204	32	34	0	0	13	0	0	116	0	0	9	0
INSTRUMENT MAKER/REPAIRER/MECHANIC:														
.Instrument maker and repairer	561	254	9	21	0	0	4	0	0	217	0	0	3	2

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Instrument mechanic (industrial instrumen- tation & process con- trol)	562	2 323	169	0	68	0	233	0	1 814	7	39	15
.Instrument mechanic (aircraft)	563	141	2	0	1	0	1	0	137	0	0	3
.Instrument maker and repairer, n.e.c.	564	85	2	0	21	0	1	0	61	0	0	0
MECHANIC (NOT MOTOR):												
.Mechanic (construction and earth-moving equip- ment)	565	2 397	173	0	114	0	58	0	1 988	0	64	43
.Lift mechanic	566	619	54	0	114	0	36	0	415	0	0	22
.Mechanic (domestic appliances)	567	628	127	0	121	0	98	0	282	0	0	3
.Mechanic (aviation/ aircraft maintenance)	568	3 014	34	0	30	0	28	0	2 922	6	0	5
.Cooling plant mechanic	569	831	40	0	129	0	7	0	624	0	31	9
.Mechanic (office appli- ances, e.g. computer, typewriter, etc.)	570	1 233	152	5	275	0	139	0	665	8	2	7
.Mechanic (not motor), n.e.c., e.g. telephone & telegraph	571	962	287	2	116	4	155	5	395	2	9	95
.Rigger, ropeman	572	1 359	200	0	115	0	50	0	929	1	65	17
.Welder	573	7 731	1 791	18	1 287	4	368	0	3 905	1	380	139
.Millwright (electro- mechanical)	574	2 053	42	1	11	0	36	0	1 807	0	157	64
METAL AND ENGINEERING ARTISAN, N.E.C.:												
.Boat and shipbuilder (wood)	575	33	0	0	8	0	22	0	3	0	0	0
.Moulder	576	825	51	0	429	0	65	0	280	0	0	6
.Blacksmith	577	210	31	0	1	0	0	0	178	0	0	8
.Architectural metal worker	578	..	..	..	..	..	..	..	..	..	..	..
.Weapons assembler/arm- ament fitter/gunsmith	579	283	0	0	17	0	0	0	246	0	20	2
.Metal and engineering artisan, n.e.c.	580	804	192	0	72	0	65	0	432	0	43	20

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
GROUP TOTAL	911	78 461	7 292	29	7 461	9	3 540	9	57 773	56	2 395	1 138
ELECTRICAL AND ELECTRONIC ARTISAN												
ELECTRICIAN:												
.Electrician	581	17 407	1 206	1	871	2	560	0	14 313	81	457	610
.Armature winder	582	564	90	1	57	0	51	0	366	2	0	0
.Electrician (engineering)	583	1 765	168	0	39	0	95	0	1 404	0	59	15
.Electrician (construction), electrical wireman	584	3 074	341	0	649	0	147	0	1 883	0	54	61
.Electrician (signals)	585	96	38	0	24	0	5	0	29	0	0	0
.Aircraft electrician	586	654	0	0	8	0	4	0	642	0	0	2
.Auto electrician	587	781	89	0	72	0	28	0	580	0	12	9
.Telecommunication electrician	588	10 623	727	0	1 035	20	785	0	7 995	255	81	3
.Electrician, n.e.c., e.g. printer's electrician	589	188	9	0	9	0	11	0	157	0	2	5
RADIOELECTRICIAN AND RELATED TRADESMAN:												
.Radioelectrician	590	466	24	0	6	0	3	0	296	1	137	1
.Aircraft radar/radioelectrician	591	163	1	0	4	0	6	0	152	0	0	3
.Aircraft radar/radio mechanic	592	433	0	0	4	0	7	0	422	0	0	0
.Radio and television mechanic, home radioelectrician	593	438	88	3	112	26	51	1	187	3	0	2
.Electronics mechanic	594	505	23	0	11	1	2	0	461	0	8	0
.Radioelectrician and related tradesman, n.e.c.	595	28	0	0	3	0	8	0	17	0	0	0
.Electrical and electronic fitter	596	832	165	0	68	10	43	0	555	0	1	36

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Electrical and electro- nic artisan, n.e.c., e.g. electroplater	597	320	63	24	13	0	10	0	230	1	4	0
GROUP TOTAL	912	38 337	3 032	29	2 985	59	1 816	1	29 689	343	815	747
=====												
MOTOR VEHICLE ARTISAN												
MOTOR AND RELATED MECHANIC:												
.Motor mechanic	598	23 298	1 744	3	2 009	1	1 218	3	17 702	15	625	192
.Diesel mechanic	599	8 400	858	1	540	0	361	0	6 365	0	276	166
.Tractor, agricultural implement mechanic	600	673	9	0	14	0	5	0	645	0	0	67
.Motor cycle, scooter mechanic	601	50	0	0	26	0	4	0	20	0	0	2
.Mechanic, n.e.c., e.g. fuel injection, inboard and outboard	602	189	24	0	7	0	0	0	153	0	5	0
MOTOR VEHICLE MACHINIST AND FITTER/TURNER:												
.Motor vehicle machinist	603	460	0	0	7	0	1	0	452	0	0	1
.Motor vehicle machinist and fitter	604	50	12	0	2	0	0	0	36	0	0	0
.Motor vehicle engine assembler/fitter	605	151	32	0	1	0	2	0	116	0	0	0
.Motor vehicle machinist and fitter/turner, n.e.c., e.g. turner and machinist	606	422	24	0	58	0	22	0	309	0	9	8
TRADES IN VEHICLE MANU- FACTURING AND REPAIR, N.E.C.:												
.Motor vehicle upholste- rer	607	158	2	0	56	0	39	0	61	2	0	4

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Panel-beater/bodywork repairer	608	2 225	452	0	358	0	87	0	1 214	0	114	15
.Panel-beater and spray- painter	609	701	48	0	184	0	55	0	400	0	14	1
.Spray-painter	610	1 162	358	0	316	10	37	0	448	0	3	22
.Bodywork builder	611	698	44	0	229	0	93	0	332	0	0	25
.Trades in motor vehicle manufacturing and repair work, n.e.c., e.g. motor vehicle metalworker, welder	612	826	531	0	194	0	18	0	76	0	7	0
.Motor vehicle artisan, n.e.c.	613	526	313	0	74	0	2	0	137	0	0	6
GROUP TOTAL	913	39 989	4 451	4	4 075	11	1 944	3	28 466	17	1 053	509
=====												
BUILDING TRADESMAN												
=====												
BRICKLAYER AND RELATED TRADESMAN:												
.Bricklayer	614	4 960	1 385	3	1 907	0	421	0	1 049	0	198	239
.Stone mason	615	143	6	0	16	0	5	0	116	0	0	0
.Mason (firebrick and/or chemical)	616	1 062	395	0	431	0	29	0	198	0	9	0
.Bricklayer and plas- terer	617	1 900	864	0	737	0	123	0	161	0	15	8
.Plasterer	618	1 283	426	0	644	0	105	0	104	0	4	14
.Wall and floor tiler	619	782	188	0	358	0	32	0	204	0	0	0
.Bricklayer and related artisan, n.e.c.	620	525	130	0	183	0	18	0	119	8	75	65
=====												
JOINER AND RELATED ARTISAN:												
.Joiner	621	1 836	265	120	497	0	189	0	728	0	157	60
.Carpenter and joiner	622	1 780	282	0	741	0	91	0	537	0	129	23
.Carpenter	623	4 905	1 121	0	2 356	0	184	0	1 155	1	89	145
.Woodworking machine operator	624	844	143	0	245	3	60	0	396	0	0	0

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Shop outfitter (wood and construction metal work)	625	810	75	0	144	0	66	15	491	0	34	0
.Joiner and related tradesman, n.e.c.	626	913	365	0	450	0	2	0	96	0	0	3
PAINTER AND DECORATOR AND RELATED TRADESMAN:												
.Painter and decorator	627	5 404	1 183	0	2 570	1	625	0	906	3	120	70
.Signwriter	628	459	45	0	58	2	38	0	309	11	9	13
.Painter and decorator, n.e.c., e.g. leaded glass glazier, letter cutter, stone carver	629	103	18	0	53	0	0	0	32	1	0	0
.Plumber	630	7 378	818	0	1 664	0	540	0	4 180	0	176	232
.Building tradesman, n.e.c., e.g. French polish worker, saw repairer	631	354	27	0	58	0	9	0	256	2	4	106
GROUP TOTAL	914	35 441	7 736	123	13 112	6	2 537	15	11 037	26	1 019	978
=====												
PRINTING TRADESMAN												
COMPOSITOR:												
.Hand compositor	632	280	56	0	109	1	17	0	98	13	0	1
.Typesetting (including machine minding)	633	301	46	2	67	4	15	1	163	35	10	0
.Electronic compositor	634	608	19	0	98	28	17	3	471	271	3	0
.Compositor, n.e.c.	635	274	13	0	30	9	24	1	187	87	20	0
PRINTING PLATE, LEAF AND CYLINDER PREPARER:												
.Lithographer	636	878	83	9	226	1	80	0	466	13	23	6
.Photo lithographer	637	883	26	0	190	10	62	1	593	54	12	5
.Photo engraver/ process engraver	638	96	9	0	23	7	9	0	55	16	0	0

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Photogravure etcher	639	83	18	0	0	0	16	0	49	7	0	0
.Stereotyper	640	26	0	0	6	0	4	0	16	15	0	0
.Printing plate, leaf and cylinder preparer, n.e.c.	641	280	33	7	100	20	37	1	90	24	20	1
PRINTING MACHINE MECHANIC AND RELATED WORKER:												
.Printing machine mechanic	642	164	10	0	27	0	13	0	111	0	3	1
.Mono-type casting machine minder's mechanic	643	2	0	0	1	0	0	0	1	0	0	0
.Stationery and envelope machine adjuster	644	118	34	0	29	0	11	0	44	0	0	0
.Printing machine mechanic, n.e.c.	645	143	28	0	16	0	8	0	91	0	0	0
PRINTING MACHINE MINDER:												
.Intaglio pressman	646	126	6	0	46	4	19	0	55	4	0	3
.Relief pressman	647	80	57	0	14	0	0	0	5	2	4	0
.Rotary relief pressman	648	108	7	0	17	0	14	0	70	0	0	0
.Rotary offset pressman	649	400	181	0	69	0	12	0	138	0	0	5
.Printing machine minder, n.e.c.	650	1 962	545	10	465	27	288	0	598	49	66	14
.Bookbinder, ruler, etc.	651	1 041	276	179	280	130	207	5	162	62	116	4
PRINTING TRADE, N.E.C.:												
.Cardboard-press operator	652	102	35	14	7	2	50	0	10	0	0	0
.Paper box cutting and creasing-press minder	653	143	76	0	17	2	28	0	22	0	0	0
.Machine minder (container manufacturing)	654	208	56	0	55	0	65	0	32	0	0	0
.Printing trade, n.e.c., e.g. cutter, printing press warehouse worker	655	1 216	378	61	341	21	172	20	299	83	26	23
GROUP TOTAL	915	9 522	1 992	282	2 233	266	1 168	32	3 826	735	303	63

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
FURNITURE TRADESMAN												
.Furniture maker, cabinet maker	656	1 991	536	68	829	36	211	0	400	0	15	6
.Frame maker, chair maker, upholsterer's frame maker	657	330	126	3	151	7	11	0	42	1	0	0
.Upholsterer (furniture)	658	401	105	0	172	4	110	0	10	0	4	0
.Furniture/woodworking machine operator, wood turner	659	1 119	293	0	560	0	233	0	33	0	0	7
.Furniture tradesman, n.e.c., e.g. veneer applicator, wood carver, furniture polisher	660	644	60	2	375	64	88	0	121	2	0	0
GROUP TOTAL	916	4 485	1 120	73	2 087	111	653	0	606	3	19	13
DIAMOND, JEWELLER'S AND GOLDSMITH TRADESMAN												
DIAMOND POLISHER:												
.Diamond sawyer	661	26	5	5	8	0	0	0	13	0	0	0
.Diamond cutter	662	204	14	11	48	30	0	0	142	0	0	0
.Diamond grinder	663	378	118	15	154	7	0	0	106	1	0	0
.Diamond brilliandeer	664	125	83	37	18	4	0	0	24	0	0	0
GOLDSMITH AND JEWELLER:												
.Diamond and gem setter	665	165	39	33	71	6	18	6	37	16	0	0
.Precious metal and mounting worker	666	791	340	143	191	51	29	0	231	14	0	12
.Jewellery engraver	667	90	34	1	49	0	0	0	7	0	0	0
.Jewellery tradesman, n.e.c., e.g. medal maker	668	3 109	2 846	1 001	157	60	42	12	64	29	0	0
GROUP TOTAL	917	4 888	3 479	1 246	696	158	89	18	624	60	0	12

- number of employees on the last pay day of the quarter (full-time and part-time employees);
- total gross salaries and wages for the quarter (full-time and part-time employees);
- overtime wages;
- bonuses paid for the quarter;
- total actual hours worked; and
- total number of vacancies.

**Comparability of results
with other Stats SA
employment data
sources**

The annual October Household Survey (OHS) also collects information on employment in South Africa. The latest results for the 1997 OHS was published on 4 November 1999 in the statistical release P0317.

Care should be taken when comparing the results of the Survey of Total Employment and Earnings (STEE) with the results of the annual OHS as different sample designs and survey methodologies are used.

The OHS collects information regarding the employment status of adults by visiting a probability sample of households in South Africa. The STEE collects information from a sample of businesses from the formal non-agricultural business sector. Currently the STEE does not collect information from the following industries –

- agriculture, hunting, forestry and fishing;
- restaurants and other eating and drinking places, boarding houses, caravan parks and guest farms;
- water and air transport;
- financial institutions other than banking institutions, building societies and insurance companies;
- real estate and business services;
- educational services;
- medical, dental and other health services;
- welfare organisations;
- religious organisations; and
- recreational and culture services,

as well as household services and the informal sector.

Due to limited Stats SA's sources, the STEE has not yet been extended to include these industries. It is planned to extend the coverage through the current re-engineering of the Business Register, and improved data-sharing among government departments.

The main purpose of the OHS is to obtain indicators on the size of the economically active population in South Africa with special reference to the number of unemployed persons. Employees in all the formal as well as informal business sectors are covered by the OHS, since they are reached by interviews in households, not businesses.

At the end of January 2000, Stats SA introduced a Labour Force Survey (LFS), which is a household-based survey. This survey will be conducted twice per annum and collects information regarding employed and unemployed persons in the formal and informal business sectors in more detail than is possible in the OHS.

*replaces
manpower
survey
(last issued
1994)*

The decreases in employment in the formal non-agricultural business sector,

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL		AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.
		T	F	T	F	T	F	T	F	T	F	
TRADESMAN, N.E.C.												
HAIRDRESSER - SEE PC 398 AND 399												
TRADESMAN, N.E.C.:												
.Plastics and glass fibre worker	669	189	15	0	0	113	67	3	0	58	2	0
.Fine optician	670	74	0	0	0	9	0	11	0	54	2	0
.Sail maker	671	6	0	0	0	4	0	0	0	2	0	0
.Leather worker	672	327	100	51	83	167	83	52	28	8	0	0
.Tradesman, n.e.c.	673	549	134	10	0	86	0	17	0	312	0	35
GROUP TOTAL	918	1 145	249	61	150	379	28	83	434	4	0	35
TRADE RELATED OCCUPATIONS:												
TECHNICAL ASSISTANT												
.Technical assistant: Tracer	674	803	116	46	18	41	14	19	611	475	16	17
.Technical assistant: Engineering	675	7 665	1 053	15	114	504	53	176	5 900	2 972	32	40
.Technical laboratory assistant	676	4 081	1 191	131	172	547	166	620	1 630	663	93	27
.Technical assistant: Agriculture (grain, seed, vegetable and fruit grader)	677	631	155	33	7	71	10	32	373	232	0	46
.Technical assistant, n.e.c.	678	3 966	1 627	287	469	970	9	141	1 191	329	37	762
GROUP TOTAL	919	17 146	4 142	512	780	2 133	252	988	9 705	4 671	178	892
TRADE RELATED OCCUPA- TIONS IN FOOD PROCESSING												

5. OCCUPATIONS

5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
Retail butcher, block- man	679	4 681	1 478	92	975	167	495	13	1 733	206	0	31
Miller, e.g. maize												
Miller, grain miller	680	331	42	0	14	0	10	0	184	1	81	0
Baker and confectioner	681	1 589	855	279	418	206	46	11	150	11	120	0
Trade related occupa- tions in food proces- sing, n.e.c.	682	280	15	0	5	2	0	0	28	1	232	0
GROUP TOTAL	920	6 881	2 390	371	1 412	375	551	24	2 095	219	433	31
=====												
TRADE RELATED OCCUPA- TIONS, N.E.C.												
Watch maker, locksmith, camera repairman, cinefilm repairer, jewellery worker	683	1 715	1 276	588	240	54	115	17	84	15	0	30
Factotum, handyman	684	9 157	4 980	97	1 492	31	584	5	1 667	19	434	265
Trade test official	685	82	3	0	0	0	0	0	79	1	0	10
Trade related occupa- tions, n.e.c., e.g. organ builder, taxi- dermist	686	430	178	55	23	11	12	0	217	4	0	2
GROUP TOTAL	921	11 384	6 437	740	1 755	96	711	22	2 047	39	434	307
=====												
TOTAL NUMBER OF ARTISANS IN SECTION 2	922	247 679	42 320	3 470	38 328	2 021	14 080	404	146 302	6 173	6 649	4 725
=====												
SECTION 3 : APPRENTICES												
=====												
APPRENTICE : METAL AND ENGINEERING TRADE												
=====												

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
SHEET, SHEET-METAL WORKER:												
.Sheet worker	687	215	71	0	33	0	16	0	85	2	10	3
.Sheet worker/boiler maker	688	1 019	325	0	142	0	46	0	493	0	13	3
.Sheet-metal worker	689	193	50	0	48	0	11	0	84	0	0	1
.Aircraft sheet-metal worker	690	3	0	0	0	0	0	0	3	0	0	0
.Sheet-metal worker, n.e.c., e.g. angle- smith, sheetsmith, coppersmith	691	1	0	0	0	0	1	0	0	0	0	0
FITTER, TURNER:												
.Fitter (including ma- chine work)	692	1 772	556	0	100	0	95	0	960	1	61	22
.Turner (including ma- chine work)	693	489	87	0	40	0	12	0	333	0	17	0
.Fitter and turner (mechanical)	694	2 603	603	1	164	0	62	0	1 761	2	13	446
.Diesel fitter	695	228	71	0	28	0	24	0	99	0	6	0
.Passenger coach and truck fitter	696	7	4	0	0	0	0	0	3	0	0	1
.Fitter, turner, n.e.c., e.g. scale fitter, roll turner	697	93	6	0	9	0	0	0	78	0	0	0
TOOLMAKER, MODEL MAKER:												
.Toolmaker	698	466	151	0	47	1	16	0	249	0	3	4
.Tool, jig and dye maker	699	224	30	0	48	0	11	0	135	0	0	0
.Tool and machine assembler	700	47	18	0	10	0	1	0	18	0	0	0
.Model maker	701	32	6	0	1	0	0	0	25	0	0	1
.Dye cutter and engraver	702	3	0	0	0	0	0	0	3	0	0	0
.Toolmaker, etc., n.e.c., e.g. rolling tools and template maker	703	2	0	0	0	0	0	0	2	0	0	0

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
INSTRUMENT MAKER/ REPAIRER/MECHANIC:												
.Instrument maker and repairer	704	36	2	0	0	0	0	0	34	0	0	0
.Instrument mechanic (industrial instrumen- tation and process control)	705	526	111	2	16	0	66	4	324	3	9	25
.Instrument mechanic (aircraft)	706	143	1	0	2	0	6	0	134	0	0	0
.Instrument maker and repairer, n.e.c.	707	0	0	0	0	0	0	0	0	0	0	2
MECHANIC (NOT MOTOR):												
.Mechanic (construction and earth-moving equip- ment)	708	728	328	0	11	0	2	0	387	3	0	4
.Lift mechanic	709	118	44	1	17	0	2	0	55	0	0	9
.Mechanic (domestic appliances)	710	40	15	0	4	0	6	0	15	0	0	0
.Mechanic (aviation/ aircraft maintenance)	711	700	14	0	17	0	10	0	659	0	0	8
.Cooling plant mechanic	712	177	16	0	5	0	0	0	156	0	0	0
.Mechanic (office appli- ances, e.g. computer, typewriter, etc.)	713	39	5	0	10	0	2	0	22	0	0	0
.Mechanic (not motor), n.e.c., e.g. telephone, telegraph	714	120	4	0	4	0	14	0	98	0	0	0
.Rigger, ropeman	715	179	75	0	17	0	4	0	82	0	1	0
.Welder	716	422	192	0	51	0	11	0	160	0	8	4
.Millwright (electro- mechanical)	717	807	95	0	22	0	52	1	605	0	33	1
APPRENTICE: METAL AND ENGINEERING TRADE, N.E.C.												

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Boat and shipbuilder (wood)	718	19	0	0	5	0	2	0	12	0	0	1
.Moulder	719	85	12	0	0	0	1	0	72	0	0	0
.Blacksmith	720	18	5	0	0	0	1	0	12	0	0	0
.Architectural metal worker	721	..	..	..	..	..	..	..	..	..	..	..
.Weapons assembler/armam- ent fitter/gunsmith	722	309	2	0	0	0	1	0	290	0	16	0
.Apprentice: Metal and engineering trade, n.e.c.	723	356	38	0	5	0	3	0	304	1	6	1
GROUP TOTAL	923	12 219	2 937	4	856	1	478	5	7 752	12	196	536
=====												
APPRENTICE: ELECTRICAL AND ELECTRONIC TRADE												
ELECTRICIAN:												
.Electrician	724	3 661	984	5	206	1	147	0	2 286	4	38	57
.Armature winder	725	53	8	0	7	0	7	0	31	0	0	0
.Electrician (engineer- ing)	726	264	91	1	8	0	21	0	125	0	19	31
.Electrician (construc- tion), electrical wire- man	727	505	166	0	122	0	25	0	192	0	0	6
.Electrician (signals)	728	77	61	0	12	0	0	0	4	0	0	0
.Aircraft electrician	729	134	3	0	3	0	8	0	120	0	0	2
.Auto electrician	730	144	35	0	4	0	2	0	102	0	1	0
.Telecommunication electrician	731	3 302	270	3	354	2	176	3	2 502	39	0	0
.Electrician, n.e.c., e.g. printer's electri- cian	732	9	0	0	3	0	2	0	3	0	1	2
RADIOTRICIAN AND RELATED TRADE:												
.Radioelectrician	733	173	2	0	3	0	0	0	42	0	126	0
.Aircraft radar/ radioelectrician	734	160	0	0	3	0	4	0	153	0	0	2

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.		
		T	F	T	F	T	F	T	F			
TOTAL												
Aircraft radar/radio mechanic	735	..	..	..	..	..	..	..	..	..	..	..
Radio and television technician, home radio- trician	736	61	2	8	0	8	0	35	0	0	0	0
Electronics mechanic	737	278	1	6	0	14	0	236	1	12	0	0
Apprentice: Radiotrician and rela- ted trade, n.e.c.	738	32	0	7	0	3	0	22	0	0	0	0
Electrical and electro- nic fitter	739	180	0	33	0	12	0	88	0	0	0	13
Apprentice: Electrical and electro- nic trade, n.e.c., e.g. electroplater	740	92	0	10	0	4	0	59	4	4	0	0
GROUP TOTAL	924	9 125	12	789	3	433	3	6 000	48	201	113	
=====												
APPRENTICE :												
MOTOR VEHICLE TRADE												
MOTOR AND RELATED												
MECHANIC:												
Motor mechanic	741	3 554	324	262	0	257	9	2 651	2	60	19	
Diesel mechanic	742	1 231	302	85	0	55	0	786	1	3	17	
Tractor, agricultural implement mechanic	743	150	1	4	0	2	0	143	0	0	0	
Motor cycle, scooter mechanic	744	3	0	0	0	0	0	3	0	0	0	
Mechanic, n.e.c., e.g. fuel injection, inboard and outboard	745	29	0	0	0	0	0	29	0	0	0	
MOTOR VEHICLE MACHINIST												
AND FITTER/TURNER:												
Motor vehicle machinist	746	124	1	0	0	11	0	112	0	0	0	
Motor vehicle machinist and fitter	747	25	8	0	0	1	0	16	0	0	0	

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Motor vehicle engine assembler/fitter	748	13	2	0	2	0	1	0	8	0	0	0
.Motor vehicle machinist and fitter/turner, n.e.c., e.g. turner & machinist	749	26	7	0	5	0	4	0	10	0	0	2
TRADES IN VEHICLE MANUFACTURING AND REPAIR, N.E.C.:												
.Motor vehicle upholsterer	750	17	2	0	10	1	1	0	4	1	0	0
.Panel-beater/bodywork repairer	751	331	20	0	38	0	25	0	244	0	4	0
.Panel-beater and spray-painter	752	111	11	0	21	0	5	0	74	1	0	0
.Spray-painter	753	118	5	0	7	0	21	0	85	0	0	0
.Bodywork builder	754	79	53	0	2	0	0	0	24	0	0	0
.Trades in motor vehicle manufacturing & repair work, n.e.c., e.g. motor vehicle metal worker, welder	755	5	0	0	0	0	0	0	5	0	0	0
.Apprentice: Motor vehicle trade, n.e.c.	756	45	4	0	26	0	0	0	15	0	0	0
GROUP TOTAL	925	5 861	740	0	462	1	383	9	4 209	5	67	38
=====												
APPRENTICE: BUILDING TRADE												
=====												
BRICKLAYER AND RELATED TRADE:												
.Bricklayer	757	234	93	0	125	0	0	0	14	0	2	3
.Stone mason	758	1	0	0	0	0	0	0	1	0	0	0
.Mason (firebrick and/or chemical)	759	47	35	0	5	0	0	0	7	0	0	0
.Bricklayer and plasterer	760	50	26	0	10	0	0	0	1	0	13	0

5. OCCUPATIONS 5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
.Plasterer	761	66	60	0	0	0	0	0	6	0	0	2
.Wall and floor tiler	762	126	0	0	126	0	0	0	0	0	0	0
.Apprentice: Bricklayer and related trade, n.e.c.	763	66	12	0	31	0	0	0	23	0	0	2
JOINER AND RELATED TRADE:												
.Joiner	764	213	16	0	74	0	7	0	42	0	74	1
.Carpenter and joiner	765	182	104	0	39	0	1	0	38	0	0	0
.Carpenter	766	390	179	0	162	0	5	0	44	0	0	2
.Woodworking machine operator	767	43	25	0	7	0	0	0	11	0	0	0
.Shop outfitter (wood and construction metal work)	768	223	102	10	45	1	0	0	76	4	0	132
.Apprentice: Joiner and related trade, n.e.c.	769	70	0	0	45	0	0	0	1	0	24	0
PAINTER AND DECORATOR AND RELATED TRADE:												
.Painter and decorator	770	412	225	0	168	0	1	0	16	5	2	2
.Signwriter	771	12	1	0	2	0	8	0	1	0	0	0
.Painter and decorator, n.e.c., e.g. leaded glass glazier, letter cutter, stone carver	772	2	0	0	0	0	0	0	2	0	0	0
.Plumber	773	1 052	101	0	133	0	8	0	808	15	2	20
.Apprentice: Building trade, n.e.c., e.g. French polish worker, saw repairer	774	28	10	0	3	0	0	0	5	0	10	5
GROUP TOTAL	926	3 217	989	10	975	1	30	0	1 096	24	127	169

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
APPRENTICE: PRINTING TRADE												
COMPOSITOR:												
.Hand compositor	775	12	2	0	0	0	0	0	10	1	0	1
.Typecasting (including machine minding)	776	83	2	0	14	0	0	0	67	1	0	0
.Electronic compositor	777	14	1	0	0	0	2	2	11	1	0	0
.Compositor, n.e.c.	778	4	0	0	2	0	0	0	2	0	0	0
PRINTING PLATE, LEAF AND CYLINDER PREPARER:												
.Lithographer	779	119	11	0	43	0	9	0	49	0	7	1
.Photo lithographer	780	109	3	0	17	1	1	0	88	23	0	1
.Photo engraver/ process engraver	781	3	0	0	3	2	0	0	0	0	0	0
.Photogravure etcher	782	64	52	52	0	0	2	0	10	1	0	0
.Stereotyper	783	4	0	0	0	0	0	0	4	0	0	0
.Printing plate, leaf cylinder preparer, n.e.c.	784	26	2	0	1	0	3	0	18	2	2	0
PRINTING MACHINE MECHA- NIC AND RELATED WORKER:												
.Printing machine mechanic	785	31	5	0	12	1	2	0	12	0	0	0
.Mono-type casting ma- chine minder's mechanic	786	..	..	..	..	..	..	..	..	..	..	..
.Stationery and envelope machine adjuster	787	5	5	0	0	0	0	0	0	0	0	0
.Printing machine mechanic, n.e.c.	788	9	0	0	1	0	4	0	4	0	0	0
PRINTING MACHINE MINDER:												
.Intaglio pressman	789	18	1	0	0	0	5	0	12	0	0	0
.Relief pressman	790	..	..	..	..	..	..	..	..	..	..	..
.Rotary relief pressman	791	18	0	..	6	0	0	0	12	0	0	0
.Rotary offset pressman	792	5	0	0	3	0	0	0	2	0	0	0

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES	
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.		
			T	F	T	F	T	F	T	F			
.Printing machine minder, n.e.c.	793	88	24	0	12	0	8	0	31	0	13	3	
.Bookbinder, ruler, etc.	794	23	1	0	11	0	2	1	9	1	0	0	
APPRENTICE: PRINTING TRADE, N.E.C.													
.Cardboard press operator	795	8	2	0	4	0	1	0	1	0	0	0	
.Paper box cutting and creasing-press minder	796	5	0	0	2	0	1	0	2	0	0	0	
.Machine minder (container manufacture)	797	46	8	0	13	0	3	0	22	0	0	0	
.Printing trade, n.e.c., e.g. cutter, printing press warehouse worker	798	8	0	0	2	0	0	0	6	0	0	0	
GROUP TOTAL	927	702	119	52	146	4	43	3	372	30	22	6	
APPRENTICE: FURNITURE TRADE													
.Furniture maker, cabinet maker	799	231	8	0	105	2	42	2	76	0	0	0	
.Frame maker, chair maker, upholsterer's frame maker	800	26	8	0	13	0	5	0	0	0	0	0	
.Upholsterer (furniture)	801	45	9	0	19	0	9	0	7	1	1	0	
.Furniture/woodworking machine operator, wood turner	802	101	13	0	43	0	11	0	34	0	0	3	
.Apprentice: Furniture trade, n.e.c., e.g. veneer applier, wood carver, furniture polisher	803	11	2	0	2	0	3	0	4	0	0	3	
GROUP TOTAL	928	414	40	0	182	2	70	2	121	1	1	6	

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
APPRENTICE: DIAMOND, JEWELLER'S AND GOLDSMITH TRADE												
DIAMOND POLISHER:												
.Diamond sawyer	804	..	..	..	..	..	..	..	..	..	..	..
.Diamond cutter	805	..	..	..	..	..	..	..	..	..	..	..
.Diamond girdler	806	..	..	..	..	..	..	..	..	..	..	..
.Diamond brilliandeer	807	..	..	..	..	..	..	..	..	..	..	..
GOLDSMITH AND JEWELLER:												
.Diamond and gem setter	808	..	..	..	..	..	..	..	..	..	..	..
.Precious metal and mounting worker	809	52	0	1	0	0	0	51	0	0	0	0
.Jewellery engraver	810	..	..	..	..	..	..	..	..	..	..	..
.Apprentice: Jewellery trade, n.e.c., e.g. medal maker	811	7	1	0	0	0	0	6	0	0	0	0
GROUP TOTAL	929	59	1	1	0	0	0	57	0	0	0	0
APPRENTICE, N.E.C.												
HAIRDRESSER - SEE PC 398 AND 399												
APPRENTICE, N.E.C.:												
.Plastics and glass fibre worker	812	42	12	0	5	8	1	17	0	0	0	1
.Fine optician	813	34	10	0	14	0	0	10	0	0	0	0
.Sail maker	814	..	..	..	..	..	..	..	..	..	..	..
.Apprentice: Leather trade	815	6	0	0	5	0	0	1	0	0	0	0
.Apprentice, n.e.c.	816	313	102	0	118	20	0	73	0	0	0	8
GROUP TOTAL	930	395	124	0	142	28	1	101	0	0	0	9

5. OCCUPATIONS
5.1 EMPLOYMENT BY POPULATION GROUP AND GENDER AND VACANCIES (continued)

OCCUPATIONS	PC	EMPLOYMENT										VACAN- CIES
		TOTAL	AFRICAN/BLACK		COLOURED		INDIAN/ASIAN		WHITE		UNSPEC.	
			T	F	T	F	T	F	T	F		
TOTAL NUMBER OF APPREN- TICES IN SECTION 3	931	31 992	6 652	79	3 553	17	1 465	23	19 708	120	614	877
GRAND TOTAL	935	5 396 054	2 722 335	651 584	641 955	281 073	252 016	93 064	1 483 751	611 992	295 997	113 769

OTHER CSS REPORTS

- 1 MANPOWER SURVEYS
 - 1.1 Manpower Survey No. 8, 1969 - Volume 1
 - 1.2 Manpower Survey No. 8, 1969 - Volume 2
 - 1.3 Manpower Survey No. 9, 1971 - Volume 1
 - 1.4 Manpower Survey No. 9, 1971 - Volume 2
 - 1.5 Manpower Survey No. 10, 1973 - Volume 1
 - 1.6 Manpower Survey No. 10, 1973 - Volume 2
 - 1.7 Manpower Survey No. 11, 1975 - Volume 1
 - 1.8 Manpower Survey No. 11, 1975 - Volume 2
 - 1.9 Manpower Survey No. 12, 1977 - Volume 1
 - 1.10 Manpower Survey No. 12, 1977 - Volume 2
 - 1.11 Manpower Survey No. 13, 1979 - Volume 1
 - 1.12 Manpower Survey No. 13, 1979 - Volume 2
 - 1.13 Manpower Survey No. 14, 1981 - Volume 1
 - 1.14 Manpower Survey No. 14, 1981 - Volume 2
 - 1.15 Manpower Survey No. 15, 1983 - Volume 1
 - 1.16 Manpower Survey No. 15, 1983 - Volume 2
 - 1.17 Manpower Survey No. 16, 1985 - Volume 1
 - 1.18 Manpower Survey No. 16, 1985 - Volume 2
 - 1.19 Manpower Survey No. 17, 1987 - Volume 1
 - 1.20 Manpower Survey No. 17, 1987 - Volume 2
 - 1.21 Manpower Survey 1988
 - 1.22 Manpower Survey 1989
 - 1.23 Manpower Survey 1990
 - 1.24 Manpower Survey 1991
 - 1.25 Manpower Survey 1992
 - 1.26 Manpower Survey 1993

- 2 MINI-MANPOWER SURVEYS
 - 2.1 Mini-manpower Survey No. 14 A, 1982 - Volume 1
 - 2.2 Mini-manpower Survey No. 14 A, 1982 - Volume 2
 - 2.3 Mini-manpower Survey No. 15 A, 1984
 - 2.4 Mini-manpower Survey No. 16 A, 1985
 - 2.5 Mini-manpower Survey No. 16 B, 1986