
EMPLOYMENT CHANGE IN TYNE & WEAR

1991 - 1998

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KEY POINTS

Aims

- A prime aim of this analysis is to identify growth industries in Tyne & Wear. The analysis also revealed huge weakness in Finance & Business Service employment.

Sources and Data Quality

- TWRI has three reasons for choosing to analyse change between the Census of Employment 1991 and the Annual Employment Survey (AES) 1998 (§1.3):
 - i. Long time series (7 years) to pick up real trends.
 - ii. 1991 coding was much more reliable than in 1993.
 - iii. To be comparable with 1991, the 1998 data used must be AES.
- Unfortunately the data have significant errors (§1.4). The manufacturing and North Tyneside figures are inflated in 1998 by a large error (assumed to be about 7,500). Unfortunately, this created the greatest numerical growth between 1991-98 in Tyne & Wear, in Manufacturing of Food Products & Beverages (§3.1). It increased by 7,400 or 120% compared to a 2% fall in Great Britain as a whole. See also Data Quality warning (§1.4).
- Note: In the text, changes are quoted in whole percentages. In the tables percentage changes are quoted to one decimal place, but the data are not this reliable. Percentages are given to one decimal place to allow precise comparison with GB change.
- Nevertheless, the Annual Employment Survey remains the most detailed source of employment data.

Overall

- Overall employment grew at a quarter of the rate in Great Britain. It increased by 7,900 or about 2% in Tyne & Wear between 1991-98, compared to an increase of over 8% in Great Britain (§2.1).
- Overall employment weakness in the 1990s was not due to manufacturing decline. Rather employment was weak in Finance & Business Services with zero growth, whereas in Great Britain it rose 30%, thus under-performing Great Britain by about 18,000 jobs. If 30% growth in Finance & Business Services had occurred, employment in the dependent sectors (Consumer Services, Public Services and Other Services) would have held up better too (§2.1). Moreover, the 18,000 under-performance in Finance & Business Services is not just in Finance which fell by about 4,000, but was mainly due to Business Services which grew 15,000 more slowly than if it had matched its Great Britain growth rate. Furthermore, this is new: TWRI's analysis of previous periods showed that Tyne & Wear did not significantly under-perform in business services.
- If overall employment growth had been as fast as in Great Britain, there would have been 27,700 more jobs in 1998. The main cause of the under-performance was in Financial & Business Services (by 17,600 jobs). There was also substantial under-performance in consumer services (by 9,900 jobs) and in Public Services (by 7,500 jobs) (§2).
- The Business Services under-performance was over twice the size of the decline in residual traditional industries: Mining & Quarrying (essentially consisting of the last two collieries in Tyne & Wear) lost 3,500 jobs and Manufacturing of Other Transport Equipment (inclusive of Shipbuilding & Repair) lost 4,400 jobs (Table 6).

Growth Industries

- In total, 19 industries (defined in 2-digit terms in the Standard Industrial Classification) in Tyne & Wear gained in terms of employment between 1991-98, 14 of which gained in excess of 1,000 employee jobs (§3.1). A list of growth industries at 4-digit level is given (§ 3.2)
- The growth industries are a mixed bag. The actual fastest growing 'industry' in Tyne & Wear was Health & Social Work which increased by 6,000 or 12% compared to 5% in Great Britain. Second to this was retailing, up 4,300 or 10%, slightly lower than the 12% in Great Britain. Thereafter major growth industries include parts of manufacturing:
 - Communications equipment up 3,100
 - Electrical machinery up 2,400
 - Plastics up 1,900
 - Fabricated metal products up 1,800
 - Furniture up 1,400

Also Hotels & Restaurants increased by 2,100

Declining Industries

- 19 industries in Tyne & Wear declined in terms of employee jobs over the same period including 9 which fell by more than 1,000 employee jobs (§3.1).
- The industries (2-digit on SIC) declining most in terms of employee jobs were Public Administration and Manufacturing of Other Transport Equipment, which includes the administrative receivership and closure of the old Swan Hunter, 1993-95 (§4).

Employment Structure

- Part-time employment grew by 6,900 or 6% between 1991-98 (Table 5) (§2.5).
- Men's employment in Tyne & Wear increased very slowly by 2,700 or 1% between 1991-98 compared to an 8% increase in Great Britain (Table 2) (§2.2).
- Women's employment increased by 5,000 or 2% between 1991-98 (Table 3). This is twice the increase in men's employment but compares poorly to a 9% increase in Great Britain (§2.3).
- Employment with labour recruitment agencies grew by 8,400 (up 355%). This is probably growth of employment on temporary contracts with agencies (§3.2).

Districts

- Employment has grown most in Sunderland (+11%), but also in Gateshead (+6%), North Tyneside (+3%) and South Tyneside (+2%).
- Employment has fallen in Newcastle (-7%, -10,000) partly due to the relocation of major DSS offices to North Tyneside. Public Administration fell by 4,600. Also Newcastle's Financial Service employment fell by over a third (3,700 jobs).

1. INTRODUCTION

This report aims to identify growth industries within Tyne & Wear and its five districts through analysing numbers of employees in employment at workplaces in Tyne & Wear between 1991-98. It utilises the results of the 1991 Census of Employment (CE) and the 1998 Annual Employment Survey (AES) for Tyne & Wear and its five constituent districts together with comparators for Great Britain. These sources estimated employees regardless of whether they lived within Tyne & Wear.

Changes in the number of employees at Tyne & Wear workplaces, together with district and GB comparisons, are given at SIC92 (Standard Industrial Classification 1992) 'Section', 'Division' (2 digit) and 'Class' (4 digit) levels. Changes in the employment structure in Tyne & Wear are also analysed between 1991-98 (district employment structure 1991-98 can be found in the Appendix).

There are (some) doubts surrounding the quality of the data, AES 98 in particular. The results should therefore be taken as evidence rather than fact. In particular, the 1998 Food & Drink total appears to be nearly 8,000 too high due to an error in North Tyneside. (This error does not occur in Annual Business Inquiry 1998).

The use of SIC Class (4-digit) data in this report has been restricted to Tyne & Wear. Confidentiality constraints severely reduce the value of SIC Class data at district level (and Tyne & Wear to a lesser extent), with data of a sensitive nature being suppressed (replaced by * in tables).

1.1 THE 1991 CENSUS OF EMPLOYMENT

The 1991 Census of Employment, like its predecessors in 1984, 1987 and 1989 was conducted on a sample basis drawn from Inland Revenue records and was intended to cover all reporting units with 25 or more employees. However, census results were subject to errors arising from inadequacies in the Inland Revenue records, sampling errors and distortions caused by the duplication or omission of large units. The effects of these errors were small at national and regional levels, but the errors increased as sample size decreased, requiring a degree of caution when interpreting the Tyne & Wear results.

1.2 THE 1998 ANNUAL EMPLOYMENT SURVEY (AES 98)

The AES estimates the numbers of employees at their workplaces. It counts full-time and part-time employees separately. It was the most comprehensive source of employment data at national, regional and local level. The AES replaced the Census of Employment and collected data from 1995 to 1998 on employee jobs at the workplace ('local unit') level.

1.3 WHY USE AES 1998?

From 1998, the Annual Business Inquiry (ABI) is ONS' replacement for the AES, which had replaced the biennial CE in 1995. Though the ABI is the latest (and most accurate) estimate of employment, it does not provide a consistent tool for analysis with CE 91 unlike the AES.

TWRI has three reasons for choosing to analyse change between the Census of Employment 1991 and the Annual Employment Survey 1998:

- i. Long time series (7 years) to pick up real trends.
- ii. 1991 coding was much more reliable than in 1993.
- iii. To be comparable with 1991, the 1998 data used must be AES.

For those interested in shorter-term change, AES data for 1995-98 has been 're-scaled' by ONS to reflect the results derived from the ABI's improved methodology. However, no substantive analysis of employment change could be derived from just four years' data. A comparison of the results from CE 1991 and AES 1998 was used by TWRI in order to report on a consistent basis throughout the entire period 1991-98¹.

Note for 1998: This report's 1998 figures are different from those in *EM 01/1 Employment in Tyne & Wear 1998*, which uses the ABI instead of the AES.

The most recent ABI 1998 data are not comparable with previous years because of the new methodology and improved coverage of the ABI. The estimates of employee numbers in 1998 are notably higher from the ABI than from the AES - in the UK by between 500,000 and 750,000 and about 7,000 in Tyne & Wear. This discrepancy between the ABI and the AES cannot simply be explained by the 3-month difference in the timing of the surveys (the survey date for the ABI is in December rather than the September AES survey date).

1.4 Data Quality Warning

There are clearly some important errors in CE 91 and/or AES 98. The following would appear to be (major) errors to TWRI:

SIC	INDUSTRY	CHANGE	LOCATION
15	Manufacture of Food Products & Beverages	up 7,500. (approx.)	North Tyneside
31	Manufacture of Electrical Machinery / apparatus nec	up 2,300	Sunderland Gateshead
8010	Primary education	down 5,900	North Tyneside Sunderland
8022	Technical / vocational secondary education	down 3,300	*
8030	Higher Education	up 4,500	*

Note: In the text, changes are quoted in whole percentages. In the tables percentage changes are quoted to one decimal place, but the data are not this reliable. Percentages are given to one decimal place to allow precise comparison with GB change.

¹ MAFF Agriculture data (SIC 0100) was not included in AES 98 and has therefore been omitted from the analysis to allow as complete a comparison as possible over the period.

2. OVERALL

2.1 Employment Change in Tyne & Wear 1991-98

Overall employment increased by 7,900 or about 2% in Tyne & Wear between 1991-98 compared to an increase of over 8% in Great Britain (Table 1).

Table 1: Employment Change in Tyne & Wear 1991-98, SIC Sections

		1991	1998	Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	300	100	-200	-48.9	143.0
C	Mining & quarrying	3,700	200	-3,500	-93.7	-47.5
E	Utilities	3,400	2,900	-500	-14.5	-37.3
	PRIMARY	7,400	3,300	-4,100	-55.7	-27.4
D	MANUFACTURING	77,000	89,900	12,900	16.7	-1.7
F	CONSTRUCTION	23,600	22,900	-700	-2.8	6.7
G	Wholesale, retail	68,300	69,900	1,600	2.4	13.0
H	Hotels & restaurants	21,800	23,900	2,100	9.3	12.4
I	Transport & communication	23,300	21,300	-2,000	-8.6	0.4
	CONSUMER SERVICES	113,500	115,100	1,600	1.4	10.1
J	Finance	14,000	9,800	-4,200	-30.4	-2.8
K	Business Services	45,000	48,800	3,800	8.4	42.7
	FINANCE & BUSINESS	59,000	58,500	-500	-0.8	29.0
L	Public administration	38,800	33,100	-5,700	-14.6	-2.3
M	Education	38,100	34,400	-3,700	-9.7	5.0
N	Health and social work	49,600	55,600	6,000	12.0	5.1
	PUBLIC SERVICES	126,400	123,100	-3,300	-2.7	3.2
O	OTHER SERVICES	19,000	21,100	2,100	10.9	19.2
	TOTAL EMPLOYEES	426,000	433,900	7,900	1.9	8.5

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Overall employment weakness in the 1990s was not due to manufacturing decline. Rather employment was weak in Finance & Business Services, under-performing Great Britain by about 18,000 jobs. Whilst employee jobs in Business Services actually increased by 3,800 or 8% between 1991-98, Finance employment slumped by 4,200 or 30%. The overall fall in Finance & Business employee jobs of 500 or 1% is practically 30 percentage points behind the 29% growth in employment in Great Britain. If this Great Britain average growth in Finance & Business Services had occurred, employment in the dependent sectors (Consumer Services, Public Services and Other Services) would have held up better too.

Manufacturing employment is reported to have increased by 12,900 or 17% in Tyne & Wear between 1991-98 compared to a 2% fall in Great Britain as a whole. However, about two-thirds of this increase is an apparently erroneous rise in Food & Drink employment in North Tyneside in AES 98. When excluding this error of about 7,500 employee jobs in North Tyneside, the rise in manufacturing employment in Tyne & Wear would be nearer to 5,000 employee jobs or approximately 7%.

Employment in Consumer Services (Wholesale & Retail, Hotels & Restaurants and Transport & Communication) increased by 1,600 or somewhat more than 1% in Tyne & Wear between 1991-98, well below the 10% growth in Great Britain overall. Growth in Consumer Services has probably been held back by population decline (mid-year estimates indicate the population of Tyne & Wear fell 14,600 or 1% between 1991-98 compared to a 2% rise in Great Britain) in the period and the slow growth of incomes.

Public service employment 'growth' in Tyne & Wear was much closer to the national average. Employment fell by 3,300 or 3% in Tyne & Wear whilst employee jobs in Public Services increased by 3% in Great Britain. These overall changes will have broadly reflected changes in population. Health & Social work was the only 'industry' to grow in terms of employment over the period (6,000, 12%) whilst both Public Administration (-5,700, -15%) and Education (-3,700, -10%) employment fell. (The education estimates for 1998 are depressed by some implausible falls, see §1.4).

Changes in employment structure (men, women, part-time and full-time employment) in Tyne & Wear can be found in Tables 2–5 (following).

District changes in employment structure in Tyne & Wear can be found in the appendix to this report.

2.2 Men's Employment in Tyne & Wear 1991-98

Men's employment in Tyne & Wear increased slowly by 2,700 or 1% between 1991-98 compared to a 7% increase in Great Britain (Table 2). Growth in men's manufacturing employment was very strong, increasing by 11,100 or 20% compared to an increase of under 1% in Great Britain. However, this figure will have been inflated by up to 7,000 due to the erroneous increase in Food & Drink employment recorded in North Tyneside. Even an underlying growth of about 4,000 in men's manufacturing employment would be about 7%.

Men's employment grew at the fastest rate in Health & Social Work, by 39% or 3,400 in Tyne & Wear between 1991-98, compared to a 23% increase in Great Britain. Growth in Hotels & Restaurants was also rapid, increasing by 2,100 or 30% compared to a 28% in Great Britain.

Men's employment growth was very weak in Finance and Business Services. Employment fell by –22% and -3% respectively, a massive 30-40 percentage points or so behind employment growth in Great Britain between 1991-98.

Table 2: Change in Men's Employment in Tyne & Wear 1991-98, SIC Sections

		1991	1998	Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	200	100	-100	-46.4	107.2
C	Mining & quarrying	3,600	200	-3,400	-94.6	-51.4
E	Utilities	2,500	1,900	-600	-24.0	-40.3
	PRIMARY	6,200	2,100	-4,100	-65.5	-35.9
D	MANUFACTURING	55,300	66,400	11,100	20.1	0.6
F	CONSTRUCTION	21,700	20,100	-1,600	-7.2	4.2
G	Wholesale, retail	28,900	29,100	200	0.5	14.3
H	Hotels & restaurants	7,100	9,200	2,100	29.9	27.8
I	Transport & communication	18,400	14,300	-4,100	-22.2	-5.8
	CONSUMER SERVICES	54,400	52,600	-1,800	-3.3	9.6
J	Finance	5,400	4,200	-1,200	-21.5	11.2
K	Business Services	24,400	23,600	-800	-3.4	36.8
	FINANCE & BUSINESS	29,800	27,800	-2,000	-6.7	29.9
L	Public administration	18,200	15,800	-2,400	-12.8	-7.2
M	Education	12,300	10,700	-1,600	-13.3	-5.9
N	Health and social work	8,600	12,000	3,400	39.3	23.4
	PUBLIC SERVICES	39,100	38,500	-600	-1.5	0.6
O	OTHER SERVICES	7,900	9,400	1,500	19.9	21.1
	TOTAL EMPLOYEES	214,400	217,100	2,700	1.3	7.6

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

2.3 Women's Employment in Tyne & Wear 1991-98

Women's employment in Tyne & Wear increased by 5,000 or 2% between 1991-98 (Table 3). This is almost twice the increase in men's employment but is 7 percentage points behind a 9% increase in Great Britain.

Excluding the rise in women's construction employment (900, 46%), women's employment grew at the fastest rate in Transport & Communication by 42% or 2,100 in Tyne & Wear between 1991-98, twice the 20% rate in Great Britain. Growth in Health & Social Work was also strong, increasing by 2,600 or 6% compared to 1% in Great Britain.

Women's employment growth was very weak compared to Great Britain in terms of Finance (-3,100, -36%) and Business Services (4,600, 22%). These were approximately 20-25 percentage points behind employment growth in Great Britain between 1991-98.

Table 3: Change in Women's Employment in Tyne & Wear 1991-98, SIC Sections

		1991	1998	Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	100	100	0	-51.2	210.0
C	Mining & quarrying	100	0	-100	-71.9	-7.3
E	Utilities	900	1,000	100	10.3	-27.0
	PRIMARY	1,200	1,100	-100	-5.8	10.3
D	MANUFACTURING	21,700	23,400	1,700	7.8	-7.4
F	CONSTRUCTION	1,900	2,800	900	45.6	20.3
G	Wholesale, retail	39,400	40,800	1,400	3.6	11.5
H	Hotels & restaurants	14,700	14,600	-100	-0.8	3.7
I	Transport & communication	4,900	7,000	2,100	41.7	19.8
	CONSUMER SERVICES	59,000	62,400	3,400	5.7	10.4
J	Finance	8,600	5,500	-3,100	-35.9	-13.6
K	Business Services	20,600	25,200	4,600	22.2	48.6
	FINANCE & BUSINESS	29,200	30,700	1,500	5.1	27.8
L	Public administration	20,600	17,200	-3,400	-16.3	3.5
M	Education	25,800	23,700	-2,100	-8.0	9.7
N	Health and social work	41,000	43,600	2,600	6.3	1.2
	PUBLIC SERVICES	87,400	84,600	-2,800	-3.2	4.3
O	OTHER SERVICES	11,100	11,600	500	4.4	17.3
	TOTAL EMPLOYEES	211,600	216,600	5,000	2.4	9.4

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

2.4 Full-time Employment in Tyne & Wear 1991-98

Full-time employment in Tyne & Wear increased only marginally between 1991-98 by 800 or less than 1% compared to an increase of more than 6% in Great Britain (Table 4). Full-time employment grew in just three industries – Manufacturing, Hotels & Restaurants and Health & Social Work. Growth in full-time manufacturing employment was very strong, increasing by 12,400 or 17% compared to a fall of -1% in Great Britain. (However, this figure will have been inflated by up to 7,000 or almost two-thirds, due to the erroneous increase in Food & Drink manufacturing employment recorded in North Tyneside) (Table 16).

Full-time employment in Hotels & Restaurants grew by 3,500 or over 55% in Tyne & Wear between 1991-98, compared to a 39% increase in Great Britain. Growth in Health & Social Work was also strong, increasing by 6,800 or 26% compared to a 15% rise in Great Britain.

Full-time employment growth was very weak compared to Great Britain in terms of Finance (-2,700, -25%) and Business Services (900, 3%). These were approximately 25 percentage points behind employment growth in Great Britain between 1991-98.

Table 4: Change in Full-time Employment in Tyne & Wear 1991-98, SIC Sections

		1991	1998	Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	300	100	-200	-55.1	159.9
C	Mining & quarrying	3,700	200	-3,500	-94.1	-48.7
E	Utilities	3,200	2,700	-500	-15.7	-38.9
	PRIMARY	7,200	3,100	-4,100	-57.5	-29.7
D	MANUFACTURING	72,500	84,900	12,400	17.2	-0.9
F	CONSTRUCTION	22,800	21,900	-900	-4.1	7.1
G	Wholesale, retail	42,100	39,200	-2,900	-6.9	9.7
H	Hotels & restaurants	6,400	9,900	3,500	55.5	39.3
I	Transport & communication	21,200	19,300	-1,900	-8.6	-0.6
	CONSUMER SERVICES	69,600	68,400	-1,200	-1.7	10.1
J	Finance	11,200	8,500	-2,700	-24.5	1.2
K	Business Services	31,700	32,600	900	3.0	30.2
	FINANCE & BUSINESS	42,900	41,100	-1,800	-4.2	20.4
L	Public administration	34,500	27,000	-7,500	-21.7	-7.4
M	Education	23,000	18,500	-4,500	-19.2	1.1
N	Health and social work	26,300	33,100	6,800	25.7	15.4
	PUBLIC SERVICES	83,800	78,700	-5,100	-6.1	3.2
O	OTHER SERVICES	11,400	13,000	1,600	13.5	18.9
	TOTAL EMPLOYEES	310,200	311,000	800	0.3	6.8

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

2.5 Part-time Employment in Tyne & Wear 1991-98

Nearly all growth in employment in Tyne & Wear between 1991-98 was in part-time employment (Table 5). Part-time employment in Tyne & Wear increased at only half the rate of Great Britain, by 6,900 or 6% between 1991-98 compared to a 13% increase in Great Britain.

Part-time employment grew at the fastest rate in Public Administration by 43% or 1,800 in Tyne & Wear between 1991-98, greater than the 30% increase in Great Britain. Growth in Wholesale & Retail employment at 4,500 or 17% was also strong, slightly less than the 19% growth in Great Britain.

Part-time employment growth was extremely weak compared to Great Britain in terms of Finance and Business Services. The fall of 1,500 or -54% in Finance employment and gain of 2,700 or 21% in Business Services were respectively around 25 and 55 percentage points behind employment growth in Great Britain between 1991-98.

Table 5: Change in Part-time Employment in Tyne & Wear 1991-98, SIC Sections

					T&W	GB
		1991	1998	Change	% Change	% Change
A,B	Agriculture, fishing	0	0	0	-	64.9
C	Mining & quarrying	0	0	0	-	27.0
E	Utilities	200	200	0	9.6	-3.1
	PRIMARY	200	200	0	5.2	21.6
D	MANUFACTURING	4,600	4,900	300	8.4	-12.6
F	CONSTRUCTION	700	1,000	300	33.0	0.7
G	Wholesale, retail	26,200	30,700	4,500	17.0	19.0
H	Hotels & restaurants	15,500	14,000	-1,500	-9.8	-6.0
I	Transport & communication	2,200	2,000	-200	-9.2	10.9
	CONSUMER SERVICES	43,900	46,600	2,700	6.3	9.8
J	Finance	2,800	1,300	-1,500	-54.1	-28.7
K	Business Services	13,400	16,100	2,700	20.8	77.1
	FINANCE & BUSINESS	16,200	17,400	1,200	7.9	57.9
L	Public administration	4,300	6,100	1,800	42.7	29.6
M	Education	15,200	15,900	700	4.8	10.1
N	Health and social work	23,200	22,400	-800	-3.5	-6.2
	PUBLIC SERVICES	42,600	44,400	1,800	4.0	3.1
O	OTHER SERVICES	7,600	8,100	500	6.8	19.1
	TOTAL EMPLOYEES	115,800	122,700	6,900	6.0	13.1

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

2.6 Labour Force Survey Estimates 1992-98

Figures from an alternative source, the Labour Force Survey (LFS), confirm the direction and scale of change in employee numbers between 1991-98. Comparing the results of this analysis with change in the LFS for the most similar period provides a broad cross-check of the results:

LFS estimates show that in May 1992 (the first county LFS quarterly statistics available) 401,000 residents were employed in Tyne & Wear. In the six years to May 1998, the number of employees residing in Tyne & Wear rose by 2.5% to 411,000. This is very similar to the 1.9% increase found between CE 91 and AES 98 estimates (September 1991-98).

The Labour Force Survey (LFS) is a quarterly sample survey of households, providing the number of employees who reside in Tyne & Wear, whereas the AES estimates all employees at workplaces in Tyne & Wear including those who commute into the area. Employees are classified as people who have done paid work for an hour or more during the reference week, or have been away from a job (for example, on holiday), or have done unpaid work in a family business.

3. GROWTH INDUSTRIES

3.1 Employment Change in Tyne & Wear 1991-98, SIC Division (2-digit)

Table 6 provides a ranking of all industries in Tyne & Wear by SIC (92) Division in terms of numerical change in employee jobs between 1991-98. This analysis enables a comparison to be made between growth industries in Tyne & Wear and Great Britain.

In total, 19 industries in Tyne & Wear gained in terms of employment between 1991-98, 14 of which gained in excess of 1,000 employee jobs. 19 industries in Tyne & Wear declined in terms of employee jobs over the same period including 9 which fell by more than 1,000 employee jobs.

The greatest numerical growth has a large element of error in Manufacturing of Food Products & Beverages. It increased by 7,400 or 120% compared to a 2% fall in Great Britain. TWRI believes this figure to be a vast exaggeration, perhaps by about 7,500 (subsequently justified by a corrective fall in ABI 1998 Food & Drink data), boosted significantly by the AES 98 figure for North Tyneside's Food & Drink industry which was hugely and anomalously high.

The actual fastest-growing industry in Tyne & Wear was Health & Social Work, which increased by 6,000 or 12% compared to 5% in Great Britain. Second to this was retailing, up 4,300 or 10% compared to 12% in Great Britain. Thereafter major growth industries include parts of manufacturing:

- Communications equipment	up 3,100
- Electrical machinery	up 2,400
- Plastics	up 1,900
- Fabricated metal products	up 1,800
- Furniture	up 1,400

Also Hotels & Restaurants increased by 2,100

Growth in manufacturing was widespread with employee jobs increasing by over 1,000 in eight separate manufacturing industries. Within manufacturing, industries were polarising, perhaps reflecting intensified competition. All manufacturing industries in Tyne & Wear with positive growth between 1991-98 had greater rates of growth than the industry average for Great Britain. Conversely, all manufacturing industries with contracting numbers of employee jobs with the exception of one (Manufacturing of Machinery & Equipment nec) had faster rates of decline than nationally.

The Tyne & Wear industries contracting the most between 1991-98 were Public Administration and Manufacturing of Other Transport Equipment (i.e. shipbuilding) which lost 5,700 (-15%) and 4,400 (-60%) employee jobs respectively. The same industries also contracted in Great Britain as a whole but to a lesser extent, falling by just 2% and 19% respectively.

Table 6: Rank of Growth Industries in Tyne & Wear 1991-98, SIC Division

Industry	T&W 1991	T&W 1998	T&W Change	T&W % Change	GB % Change
15 : Manuf food products and beverages #	6,100	13,500	7,400	120.4	-2.0
85 : Health and social work	49,600	55,600	6,000	12.0	5.1
52 : Retail trade, except of motor vehicles	43,500	47,800	4,300	9.9	12.2
32 : Manuf radio, tv/communications equipment	2,100	5,200	3,100	149.1	-6.7
31 : Manuf electrical machinery/apparatus nec	4,000	6,400	2,400	63.2	28.5
91 : Activities membership organisations nec	3,500	6,000	2,500	69.5	44.1
55 : Hotels and restaurants	21,800	23,900	2,100	9.3	12.4
25 : Manuf rubber and plastic goods	2,800	4,700	1,900	68.9	28.5
28 : Manuf fabricated metal products, etc	8,000	9,800	1,800	22.6	-6.2
72 : Computing and related activities	2,800	4,400	1,600	56.8	137.1
36 : Manuf furniture; manufacturing nec	2,800	4,200	1,400	52.7	22.1
74 : Other business activities	35,800	37,200	1,400	4.0	35.1
70 : Real estate activities	3,000	4,200	1,200	37.9	59.7
21 : Manuf pulp, paper and paper products	2,800	3,900	1,100	38.9	-1.4
50 : Sale,maintenance/repair motor vehicles	8,300	9,000	700	8.6	5.0
27 : Manuf basic metals	1,400	1,800	400	25.1	-14.4
71 : Renting machinery/equipment, etc	2,000	2,400	400	18.0	14.0
63 : Supporting/auxilliary transport,etc	4,500	4,800	300	6.4	19.4
24 : Manuf chemicals and chemical products	4,000	4,300	300	6.2	-5.7
12 : Mining of uranium and thorium ores	0	0	0	-	-
95 : Private households with employed persons	0	0	0	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-
64 : Post and telecommunications	8,100	8,000	-100	-0.6	-1.5
93 : Other service activities	4,000	3,900	-100	-2.5	30.8
20 : Manuf wood/products/cork, etc	1,800	1,500	-300	-18.5	5.0
17 : Manuf textiles	1,400	1,000	-400	-28.1	-14.0
66 : Insurance and pension funding, etc	3,000	2,500	-500	-16.2	-3.0
33 : Manuf medical,precision instruments,etc	2,100	1,500	-600	-25.3	8.2
92 : Recreational, cultural and sporting	10,200	9,600	-600	-5.9	4.8
45 : Construction	23,600	22,900	-700	-2.8	6.7
29 : Manuf machinery and equipment nec	10,000	9,300	-700	-7.2	-13.1
26 : Manuf other non-metallic products	3,300	2,500	-800	-23.4	-15.5
22 : Publishing,printing,repro recorded media	6,000	5,000	-1,000	-17.4	6.4
67 : Act auxilliary financial intermediation	3,000	1,400	-1,600	-51.9	16.8
18 : Manuf apparel;dressing/dyeing fur	5,200	3,300	-1,900	-35.6	-16.0
65 : Financial intermediation, etc	8,100	5,800	-2,300	-27.6	-8.0
60 : Land transport; transport via pipelines	10,100	7,300	-2,800	-28.0	-8.8
51 : Wholesale trade/commission trade, etc	16,500	13,100	-3,400	-20.7	19.7
80 : Education	38,100	34,400	-3,700	-9.7	5.0
35 : Manuf other transport equipment	7,400	3,000	-4,400	-59.5	-18.8
75 : Public admin/defence; compulsory SS	38,800	33,100	-5,700	-14.6	-2.3
01 : Agriculture, hunting, etc	*	100	n.a.	n.a.	268.2
02 : Forestry, logging, etc	*	*	n.a.	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	*	*	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	3,200	*	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	*	n.a.	n.a.	-19.3
13 : Mining of metal ores	0	*	n.a.	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	3.3
16 : Manuf tobacco products	*	0	n.a.	n.a.	-24.8
19 : Tanning/dressing of leather, etc	*	*	n.a.	n.a.	-37.9
23 : Manuf coke, refined petroleum products	*	*	n.a.	n.a.	-21.9
30 : Manuf office machinery and computers	*	400	n.a.	n.a.	3.5
34 : Manuf motor vehicles,trailers,etc	*	7,800	n.a.	n.a.	20.7
37 : Recycling	*	400	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	*	*	n.a.	n.a.	-19.6
61 : Water transport	*	*	n.a.	n.a.	-47.3
62 : Air transport	*	*	n.a.	n.a.	32.5
73 : Research and development	*	700	n.a.	n.a.	19.5
90 : Sewage/refuse disposal, sanitation, etc	*	1,600	n.a.	n.a.	63.2
Total Employees	426,000	433,900	7,900 #	1.9	8.5

Note: * data suppressed to maintain confidentiality

Coding error in Food & Drink in North Tyneside

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

3.2 Employment Change in Tyne & Wear 1991-98, SIC Class (4-digit)

Analysis by SIC Class (4 digit) (growth industries are given in Table 7) allows a more detailed analysis of the significant changes identified earlier (although confidentiality constraints do not allow a full, comprehensive analysis). This is particularly important for the support of economic development activities.

The pattern of growth industries is discernibly mixed. In total, 10 SIC Class industries in Tyne & Wear saw employment grow by over 1,000 (Table 7). The largest increase was in Labour Recruitment etc (8,400 or 355%) although this figure (almost certainly) includes temporary employees who are technically employed by employment agencies etc. rather than their actual workplace. The Other Business Activities industry (SIC 74) recorded growth throughout with employment gains in Investigation & Security activities (1,200 or 65%), Other Business activities nec (1,100 or 100%) and Legal Activities (400 or 16%).

Gains in Health & Social Work (6,000, 12%) (SIC 85) originate from huge gains in Hospital Activities (SIC 8511), which increased by 6,000 or 27% between 1991-98. Social Work activities with Accommodation (SIC 8531) (care homes for the elderly, children etc.) also increased by 1,600 or 22%.

Gains in Retail Trade (except of motor vehicles) stem mainly from large increases in Retail: non-specialised Food Stores (SIC 5211) (3,500 or 34%). The increase is a reflection of the growth of superstores in Tyne & Wear in the 1990s. Almost 1,200 new jobs were announced in the press in Tyne & Wear between 1997-99 at Asda alone. Employment also increased substantially in Restaurants (SIC 5530) (1,500 or 33%) and Catering (SIC 5552) (1,200 or 116%) between 1991-98.

When broken down to SIC Class (4-digit) level, the significant increase (2,500 or 70%) in employment in Activities of Membership Organisations nec (SIC 91) at SIC Divisional level is found to stem mainly from gains in 'Activities of Other Membership Organisations' (SIC 9133) (2,200 or 70%). A large proportion of this rise was in Newcastle, possibly reflecting the development of the Automobile Association operation on Newcastle Business Park more than growth in recreational clubs or other membership organisations.

Table 7: Rank of Growth Industries* in Tyne & Wear 1991-98, SIC Class

Industry	Tyne & Wear				GB
	1991	1998	Change	% Change	% Change
7450 : Labour recruitment etc	2,400	10,800	8,400	354.8	231.0
8511 : Hospital activities	22,300	28,300	6,000	27.3	6.8
5211 : Retail: non-specialised food stores etc	10,300	13,800	3,500	34.1	33.1
9133 : Activit: other membership organis. nec	3,100	5,300	2,200	70.2	41.7
8531 : Social work activities with accom.	7,100	8,700	1,600	22.4	17.4
5530 : Restaurants	4,700	6,200	1,500	32.5	29.5
9261 : Operation of sports arenas and stadiums	600	2,000	1,400	253.1	172.3
5552 : Catering	1,100	2,300	1,200	116.4	41.9
7460 : Investigation and security activities	1,800	3,000	1,200	64.6	86.6
7484 : Other business activities nec	1,000	2,100	1,100	100.2	202.0
5511 : Hotels and motels, with restaurant	2,900	3,800	900	34.7	3.0
5010 : Sale of motor vehicles	3,600	4,400	800	21.1	29.0
5212 : Other retail: non-specialised stores	6,000	6,800	800	12.1	26.5
5242 : Retail sale of clothing	3,300	4,100	800	23.7	28.3
8042 : Adult and other education nec	3,100	3,900	800	28.3	43.4
8512 : Medical practice activities	1,600	2,400	800	47.4	38.2
6411 : National post activities	2,400	3,100	700	30.4	4.6
5147 : Wholesale of other household goods	400	1,000	600	128.9	84.5
5245 : Retail sale: electrical household goods	800	1,300	500	66.7	-14.7
5248 : Other retail sale: specialised stores	4,700	5,200	500	12.0	16.7
7220 : Software consultancy and supply	1,800	2,300	500	30.5	103.0
6330 : Activities of travel agencies etc nec	1,300	1,700	400	29.1	50.4
6340 : Activities of other transport agencies	300	700	400	119.1	45.7
7140 : Renting: personal/household goods nec	300	700	400	104.6	26.4
7240 : Data base activities	0	400	400	-	1,315.3
7411 : Legal activities	2,900	3,300	400	16.2	9.1
9262 : Other sporting activities	1,900	2,300	400	18.2	11.0
3614 : Manufacture of other furniture	1,400	1,700	300	20.0	-35.0
4533 : Plumbing	1,500	1,800	300	21.7	4.9
6024 : Freight transport by road	2,900	3,200	300	11.6	15.5
1581 : Manufacture of bread etc	1,600	1,800	200	7.6	5.8
5030 : Sale of motor vehicle parts/accessories	1,000	1,200	200	20.8	10.1
5246 : Retail sale of hardware/paints/glass	1,700	1,900	200	8.8	27.3
8021 : General secondary education	6,000	6,200	200	2.6	40.9
9131 : Activities of religious organisations	200	400	200	103.5	46.3
2940 : Manufacture of machine tools	1,100	1,200	100	4.2	-36.6
5154 : Wholesale: hardware, plumbing etc	800	900	100	12.8	23.8
5225 : Retail sale of alcoholic/other beverages	700	800	100	21.5	22.9
5226 : Retail sale of tobacco products	200	300	100	108.3	76.2
7032 : Management of real estate	400	500	100	15.2	66.8
7110 : Renting of automobiles	300	400	100	15.3	44.8
7210 : Hardware consultancy	0	100	100	-	5,100.2
7414 : Business/management consultancy activ.	800	900	100	14.5	59.9
8520 : Veterinary activities	200	300	100	94.7	41.8
4531 : Installation: electrical wires/fittings	2,800	2,800	0	0.3	10.0
5143 : Wholesale of electrical household goods	400	400	0	6.8	25.4

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

* Note: Table 7 excludes 68 industries for which data were confidential.

4. DECLINING INDUSTRIES

A ranking, in terms of numerical change, of those SIC Class (4-digit) industries declining in terms of employee jobs between 1991-98 can be found in Table 8. Analysis by SIC Class (where confidentiality constraints allow) enables a more detailed analysis of the significant changes identified earlier at 2-digit level (Table 6).

The biggest falls at 2-digit level were in Public Administration (-5,600 or -15%) and shipbuilding, 'Manufacturing of Other Transport Equipment' (-4,400 or -60%). Within Public Administration the largest falls were in Compulsory Social Security Activities (SIC 7530), which fell by 1,600 or -11%, and General Public Service Activities (SIC 7511) which fell by -1,500 or -14%.

The implausible fall in Education (SIC 80) employment overall of -3,700 or -10% is a result of large falls in Primary Education (SIC 8010) (-5,900 or -33%) and Technical/vocational Secondary Education (SIC 8022) (-3,300, -79%). Almost two-thirds of recorded employment losses in Primary Education were in North Tyneside (-2,200) and Sunderland (-1,600).

The Financial and Business Services sectors in Tyne & Wear badly under-performed Great Britain between 1991-98. Employment in Other Monetary Intermediation (SIC 6512), which includes building societies and merchant banks etc. decreased by 2,300 or -32% (GB, -14%) probably largely a reclassification of the Northern Rock from building society to bank in 1997. Activities auxiliary to Insurance / Pension Funding (SIC 6720) employment fell by 1,600 or -59% (GB, -10%). This may be due to declines in insurance brokers, actuarial services and/or pension consultants.

The Clothing industry declined considerably between 1991-98. Employment in the Manufacture of Apparel fell by 1,900 or -36%.

Other major job losses were in Architectural / Engineering Activities (SIC 7420) (-5,700 or -55%), Industrial Cleaning (SIC 7470) (-5,100 or -50%) and the General Construction of Buildings etc. (SIC 4521) (-1,800 or -15%). Employment in General Mechanical Engineering (SIC 2852) fell by 1,200 or -37% whilst Manufacturing of Other General Machinery (SIC 2924) employment declined by 1,200 or -75%. Employment also fell in Telecommunications (SIC 6420) where 1,400 jobs were lost, down -26% from its 1991 level.

Employment in Other Human Health activities (SIC 8514) (ambulance service, district nurses, midwives etc.) fell by 1,700 or -27% whilst employment in Other Recreational activities nec (SIC 9272) (public parks, fair grounds etc) dropped by 1,600 or -78%. Hairdressing and other Beauty Treatment (SIC 9302) employment fell by 1,100 or -41% (GB, -29%) whilst employment in Dispensing Chemists (SIC 5231) dropped by 1,600 or -57%.

Employment generally declined throughout the Wholesale Trade between 1991-98. Employment in the Wholesale of Other Industry Machinery (SIC 5165) fell by 900 or -39%, whilst Wholesale of Wood/Construction materials fell by 800 or -39%.

Employment in Land Transport declined between 1991-98 with Other Passenger Land Transport (SIC 6023) employment falling by 1,600 or -85%. Employment in Great Britain also fell but at under half this rate (-34%). The privatisation of the railways and associated re-organisation of the industry may have distorted these figures.

Table 8: Rank of Declining Industries* in Tyne & Wear 1991-98, SIC Class

Industry	Tyne & Wear				GB
	1991	1998	Change	% Change	% Change
8010 : Primary education	17,600	11,700	-5,900	-33.4	-22.7
7420 : Architectural/engineering activities	10,300	4,600	-5,700	-55.3	-31.7
7470 : Industrial cleaning	10,200	5,100	-5,100	-50.4	-19.1
8022 : Technical/vocational secondary education	4,200	900	-3,300	-79.2	-44.5
6512 : Other monetary intermediation	7,100	4,800	-2,300	-32.4	-13.8
4521 : General construction of buildings etc	12,300	10,500	-1,800	-14.6	-6.7
8514 : Other human health activities	6,200	4,500	-1,700	-27.1	-41.9
9272 : Other recreational activities nec	2,100	500	-1,600	-78.2	-63.8
5540 : Bars	12,800	11,100	-1,700	-12.8	0.8
7530 : Compulsory social security activities	15,000	13,400	-1,600	-10.7	6.4
6023 : Other passenger land transport	1,900	300	-1,600	-85.0	-33.9
5231 : Dispensing chemists	2,800	1,200	-1,600	-56.9	-53.3
6720 : Activ. auxil. To insur./pension funding	2,700	1,100	-1,600	-58.5	-9.6
7511 : General public service activities	11,300	9,800	-1,500	-13.5	-11.9
6420 : Telecommunications	5,200	3,900	-1,300	-26.4	-22.0
2924 : Manufacture: other general machinery nec	1,600	400	-1,200	-74.5	-52.5
2852 : General mechanical engineering	3,200	2,000	-1,200	-37.3	-17.1
9302 : Hairdressing and other beauty treatment	2,600	1,600	-1,000	-40.9	-28.9
5165 : Wholesale: other industry machinery etc	2,400	1,500	-900	-38.6	41.0
2222 : Printing nec	3,800	2,900	-900	-23.2	1.2
8532 : Social work activities without accom.	11,400	10,600	-800	-6.8	10.7
5153 : Wholesale: wood, construction materials	2,000	1,200	-800	-38.6	-16.0
3320 : Manuf: instruments for measuring etc	1,500	800	-700	-47.8	1.5
5222 : Retail sale of meat and meat products	1,700	1,000	-700	-41.6	-33.6
5247 : Retail sale of books/newspapers etc	1,900	1,300	-600	-31.9	-29.0
5224 : Retail sale of bread, cakes etc	2,600	2,100	-500	-22.5	-28.4
7031 : Real estate agencies	1,600	1,000	-600	-36.1	-4.7
9271 : Gambling and betting activities	2,400	1,900	-500	-18.8	-16.1
6601 : Life insurance	1,800	1,400	-400	-22.3	-18.1
7440 : Advertising	1,800	1,500	-300	-18.8	58.3
5241 : Retail sale of textiles	700	300	-400	-51.2	-25.7
5020 : Maintenance and repair of motor vehicles	2,700	2,400	-300	-11.9	-22.2
5170 : Other wholesale	1,100	800	-300	-26.9	148.8
2030 : Manufacture: builders' carpentry/joinery	700	500	-200	-38.0	3.7
6312 : Storage and warehousing	1,100	800	-300	-26.3	3.3
7430 : Technical testing and analysis	700	400	-300	-40.7	-2.3
5151 : Wholesale of solid/liquid/gaseous fuels	400	200	-200	-56.3	-27.2
5243 : Retail sale of footwear/leather goods	1,500	1,200	-300	-16.8	-14.5
4542 : Joinery installation	800	500	-300	-32.1	-23.7
9301 : Washing/dry cleaning of textile etc	900	700	-200	-26.1	-0.6
5221 : Retail sale of fruit and vegetables	700	500	-200	-32.3	-13.8
5244 : Retail sale of furniture etc nec	1,500	1,300	-200	-14.9	-11.2
1740 : Manufacture of made-up textile articles	700	500	-200	-28.5	-12.7
9251 : Library and archives activities	1,100	900	-200	-16.3	-12.6
5139 : Non-specialised wholesale of food etc	1,300	1,200	-100	-14.2	-19.3
4544 : Painting and glazing	2,000	1,900	-100	-7.8	-5.0
8513 : Dental practice activities	900	800	-100	-16.4	-9.6
6603 : Non-life insurance	1,100	1,000	-100	-8.6	0.4
7512 : Regulation: education agencies etc	4,100	4,000	-100	-2.4	-3.8
7011 : Development and selling of real estate	900	800	-100	-4.3	42.2
6522 : Other credit granting	900	800	-100	-3.5	-21.9

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

* Note: Table 8 excludes 39 industries for which data were confidential.

5. EMPLOYMENT CHANGE IN TYNE & WEAR 1991-98

5.1 Employment Change in Tyne & Wear 1991-98

Table 9: Employment Change in Tyne & Wear 1991-98, SIC Division

Industry	T&W 1991	T&W 1998	T&W Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	*	100	n.a.	n.a.	268.2
02 : Forestry, logging, etc	*	*	n.a.	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	*	*	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	3,200	*	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	*	n.a.	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-
13 : Mining of metal ores	0	*	n.a.	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	3.3
15 : Manuf food products and beverages #	6,100	13,500	7,400	120.4	-2.0
16 : Manuf tobacco products	*	0	n.a.	n.a.	-24.8
17 : Manuf textiles	1,400	1,000	-400	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	5,200	3,300	-1,900	-35.6	-16.0
19 : Tanning/dressing of leather, etc	*	*	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	1,800	1,500	-300	-18.5	5.0
21 : Manuf pulp, paper and paper products	2,800	3,900	1,100	38.9	-1.4
22 : Publishing,printing, repro recorded media	6,000	5,000	-1,000	-17.4	6.4
23 : Manuf coke, refined petroleum products	*	*	n.a.	n.a.	-21.9
24 : Manuf chemicals and chemical products	4,000	4,300	300	6.2	-5.7
25 : Manuf rubber and plastic goods	2,800	4,700	1,900	68.9	28.5
26 : Manuf other non-metallic products	3,300	2,500	-800	-23.4	-15.5
27 : Manuf basic metals	1,400	1,800	400	25.1	-14.4
28 : Manuf fabricated metal products, etc	8,000	9,800	1,800	22.6	-6.2
29 : Manuf machinery and equipment nec	10,000	9,300	-700	-7.2	-13.1
30 : Manuf office machinery and computers	*	400	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	4,000	6,400	2,400	63.2	28.5
32 : Manuf radio, tv/communications equipment	2,100	5,200	3,100	149.1	-6.7
33 : Manuf medical,precision instruments,etc	2,100	1,500	-600	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	7,800	n.a.	n.a.	20.7
35 : Manuf other transport equipment	7,400	3,000	-4,400	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	2,800	4,200	1,400	52.7	22.1
37 : Recycling	*	400	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	*	*	n.a.	n.a.	-19.6
45 : Construction	23,600	22,900	-700	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	8,300	9,000	700	8.6	5.0
51 : Wholesale trade/commission trade, etc	16,500	13,100	-3,400	-20.7	19.7
52 : Retail trade, except of motor vehicles	43,500	47,800	4,300	9.9	12.2
55 : Hotels and restaurants	21,800	23,900	2,100	9.3	12.4
60 : Land transport; transport via pipelines	10,100	7,300	-2,800	-28.0	-8.8
61 : Water transport	*	*	n.a.	n.a.	-47.3
62 : Air transport	*	*	n.a.	n.a.	32.5
63 : Supporting/auxilliary transport,etc	4,500	4,800	300	6.4	19.4
64 : Post and telecommunications	8,100	8,000	-100	-0.6	-1.5
65 : Financial intermediation, etc	8,100	5,800	-2,300	-27.6	-8.0
66 : Insurance and pension funding, etc	3,000	2,500	-500	-16.2	-3.0
67 : Act auxilliary financial intermediation	3,000	1,400	-1,600	-51.9	16.8
70 : Real estate activities	3,000	4,200	1,200	37.9	59.7
71 : Renting machinery/equipment, etc	2,000	2,400	400	18.0	14.0
72 : Computing and related activities	2,800	4,400	1,600	56.8	137.1
73 : Research and development	*	700	n.a.	n.a.	19.5
74 : Other business activities	35,800	37,200	1,400	4.0	35.1
75 : Public admin/defence; compulsory SS	38,800	33,100	-5,700	-14.6	-2.3
80 : Education	38,100	34,400	-3,700	-9.7	5.0
85 : Health and social work	49,600	55,600	6,000	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	1,600	n.a.	n.a.	63.2
91 : Activities membership organisations nec	3,500	6,000	2,500	69.5	44.1
92 : Recreational, cultural and sporting	10,200	9,600	-600	-5.9	4.8
93 : Other service activities	4,000	3,900	-100	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-
Total Employees	426,000	433,900	7,900 #	1.9	8.5

Note: * data suppressed to maintain confidentiality

Coding error in Food & Drink in North Tyneside

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Table 10: Employment Change in Tyne & Wear 1991-98, SIC Class

Industry	T&W 1991	T&W 1998	T&W Change	T&W % Change	GB % Change
0111 : Growing of cereals and other crops nec	0	*	n.a.	n.a.	536.9
0112 : Growing of vegetables etc	0	*	n.a.	n.a.	666.0
0113 : Growing of fruit/nuts/beverage & spices	*	0	n.a.	n.a.	129.7
0121 : Farming of cattle, dairy farming	0	*	n.a.	n.a.	2,877.5
0122 : Farming of sheep/goats/horses/asses etc	0	0	0	-	1,092.8
0123 : Farming of swine	0	0	0	-	13,500.0
0124 : Farming of poultry	0	0	0	-	226.2
0125 : Other farming of animals	0	0	0	-	437.0
0130 : Growing of crops and farming of animals	0	*	n.a.	n.a.	59,575.0
0141 : Agricultural service activities	*	*	n.a.	n.a.	324.8
0142 : Animal husbandry activities	*	*	n.a.	n.a.	-43.3
0150 : Hunting/trapping/game propagation	*	0	n.a.	n.a.	-63.5
0201 : Forestry and logging	*	*	n.a.	n.a.	3.3
0202 : Forestry and logging related activities	0	0	0	-	-
0501 : Fishing	*	*	n.a.	n.a.	20.3
0502 : Operation of fish hatcheries & farms	0	*	n.a.	n.a.	13.4
1010 : Mining and agglomeration of hard coal	3,200	*	n.a.	n.a.	-79.7
1020 : Mining and agglomeration of lignite	0	0	0	-	-98.2
1030 : Extraction and agglomeration of peat	0	0	0	-	25.4
1110 : Extraction: crude petroleum/natural gas	*	*	n.a.	n.a.	-31.9
1120 : Service activities:oil & gas extraction	*	0	n.a.	n.a.	-7.3
1200 : Mining of uranium and thorium ores	0	0	0	-	-
1310 : Mining of iron ores	0	0	0	-	-35.5
1320 : Mining: non-ferrous metal ores	0	*	n.a.	n.a.	-7.9
1411 : Quarrying of stone for construction	*	*	n.a.	n.a.	-61.2
1412 : Quarrying of limestone, gypsum and chalk	*	*	n.a.	n.a.	16.7
1413 : Quarrying of slate	0	*	n.a.	n.a.	8.9
1421 : Operation of gravel and sand pits	*	*	n.a.	n.a.	50.5
1422 : Mining of clays and kaolin	0	0	0	-	36.8
1430 : Mining of chemical & fertilizer minerals	0	0	0	-	20.8
1440 : Production of salt	0	0	0	-	35.1
1450 : Other mining and quarrying nec	0	*	n.a.	n.a.	-35.6
1511 : Production and preserving of meat	*	*	n.a.	n.a.	39.8
1512 : Production and preserving poultry meat	0	*	n.a.	n.a.	-12.2
1513 : Production: meat & poultry meat products	*	*	n.a.	n.a.	37.1
1520 : Processing/preserving of fish	*	*	n.a.	n.a.	35.0
1531 : Processing and preserving of potatoes	0	0	0	-	55.7
1532 : Manufacture of fruit and vegetable juice	0	0	0	-	76.7
1533 : Processing/preserving: fruit/veg nec	*	*	n.a.	n.a.	-50.9
1541 : Manufacture of crude oils and fats	*	*	n.a.	n.a.	-42.3
1542 : Manufacture of refined oils and fats	0	*	n.a.	n.a.	-0.3
1543 : Manufacture: margarine/similar fats	0	0	0	-	-26.8
1551 : Operation of dairies and cheese making	*	*	n.a.	n.a.	-4.7
1552 : Manufacture of ice cream	*	*	n.a.	n.a.	177.7
1561 : Manufacture of grain mill products	*	*	n.a.	n.a.	7.1
1562 : Manufacture of starches/starch products	0	0	0	-	186.8
1571 : Manufacture of feeds for farm animals	*	*	n.a.	n.a.	10.6
1572 : Manufacture of prepared pet foods	0	*	n.a.	n.a.	17.8
1581 : Manufacture of bread etc	1,600	1,800	200	7.6	5.8
1582 : Manufacture of rusks, biscuits etc	*	*	n.a.	n.a.	42.5
1583 : Manufacture of sugar	0	0	0	-	-48.3
1584 : Manufacture of cocoa; chocolate etc	*	*	n.a.	n.a.	-20.4
1585 : Manufacture of macaroni, noodles etc	0	0	0	-	418.4
1586 : Processing of tea and coffee	0	*	n.a.	n.a.	26.0
1587 : Manufacture of condiments and seasonings	*	*	n.a.	n.a.	77.5
1588 : Manufacture of homogenised food etc	0	*	n.a.	n.a.	-45.4
1589 : Manufacture of other food products nec	*	*	n.a.	n.a.	-36.8
1591 : Manufacture of alcoholic beverages	0	*	n.a.	n.a.	-28.7
1592 : Production of ethyl alcohol	0	0	0	-	-
1593 : Manufacture of wines	0	0	0	-	-56.1

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
1594 : Manufacture of cider/other fruit wines	*	0	n.a.	n.a.	31.7
1595 : Manuf: other non-dist. Ferment. Beverages	0	*	n.a.	n.a.	-74.6
1596 : Manufacture of beer	*	*	n.a.	n.a.	-35.2
1597 : Manufacture of malt	0	*	n.a.	n.a.	-32.8
1598 : Production of mineral waters/soft drinks	*	*	n.a.	n.a.	-11.0
1600 : Manufacture of tobacco products	*	0	n.a.	n.a.	-24.8
1711 : Preparation/spinning: cotton-type fibres	0	0	0	-	-48.2
1712 : Preparation/spinning: wool-type fibres	0	*	n.a.	n.a.	-17.6
1713 : Preparation/spinning: worsted-type fibre	0	*	n.a.	n.a.	-32.3
1714 : Preparation/spinning: flax-type fibres	0	*	n.a.	n.a.	-68.1
1715 : Throwing and preparation of silk	0	0	0	-	7.2
1716 : Manufacture of sewing threads	0	*	n.a.	n.a.	84.7
1717 : Preparation/spinning: other fibres	0	0	0	-	-53.8
1721 : Cotton-type weaving	0	0	0	-	30.0
1722 : Woollen-type weaving	0	0	0	-	-34.2
1723 : Worsted-type weaving	0	0	0	-	69.2
1724 : Silk-type weaving	0	0	0	-	1,053.6
1725 : Other textile weaving	0	*	n.a.	n.a.	-64.3
1730 : Finishing of textiles	*	*	n.a.	n.a.	-40.6
1740 : Manufacture of made-up textile articles	700	500	-200	-28.5	-12.7
1751 : Manufacture of carpets and rugs	0	*	n.a.	n.a.	-7.9
1752 : Manufacture of cord/rope/twine/netting	0	*	n.a.	n.a.	-31.7
1753 : Manufacture of nonwovens	0	0	0	-	15.1
1754 : Manufacture of other textiles nec	*	*	n.a.	n.a.	6.6
1760 : Manufacture of knitted/crocheted fabrics	*	0	n.a.	n.a.	71.3
1771 : Manufacture of knitted/crocheted hosiery	0	*	n.a.	n.a.	-24.5
1772 : Manufacture: knitted/crocheted pullovers	*	*	n.a.	n.a.	-17.2
1810 : Manufacture of leather clothes	0	0	0	-	-19.9
1821 : Manufacture of workwear	*	*	n.a.	n.a.	-23.9
1822 : Manufacture of other outerwear	*	2,500	n.a.	n.a.	0.8
1823 : Manufacture of underwear	0	*	n.a.	n.a.	-17.1
1824 : Manufacture of other wearing apparel nec	*	200	n.a.	n.a.	-33.2
1830 : Dressing and dyeing of fur	0	0	0	-	-5.4
1910 : Tanning and dressing of leather	0	0	0	-	-21.6
1920 : Manufacture of luggage, handbags etc	*	*	n.a.	n.a.	-12.7
1930 : Manufacture of footwear	*	*	n.a.	n.a.	-47.2
2010 : Sawmilling and planing of wood etc	*	400	n.a.	n.a.	38.8
2020 : Manufacture of veneer sheets/plywood etc	*	*	n.a.	n.a.	-22.5
2030 : Manufacture: builders' carpentry/joinery	700	500	-200	-38.0	3.7
2040 : Manufacture of wooden containers	*	*	n.a.	n.a.	-23.8
2051 : Manufacture of other products of wood	*	*	n.a.	n.a.	63.4
2052 : Manufacture: articles of cork/straw etc	*	*	n.a.	n.a.	48.5
2111 : Manufacture of pulp	0	0	0	-	-91.5
2112 : Manufacture of paper and paperboard	*	*	n.a.	n.a.	-16.1
2121 : Manufacture of corrugated paper etc	*	*	n.a.	n.a.	49.0
2122 : Manufacture of household goods etc	*	*	n.a.	n.a.	-24.5
2123 : Manufacture of paper stationery	*	700	n.a.	n.a.	-13.8
2124 : Manufacture of wallpaper	0	0	0	-	-21.0
2125 : Manufacture of other paper nec	*	*	n.a.	n.a.	-14.6
2211 : Publishing of books	*	100	n.a.	n.a.	0.8
2212 : Publishing of newspapers	*	*	n.a.	n.a.	-17.5
2213 : Publishing of journals and periodicals	*	*	n.a.	n.a.	197.2
2214 : Publishing of sound recordings	0	*	n.a.	n.a.	110.0
2215 : Other publishing	*	*	n.a.	n.a.	110.9
2221 : Printing of newspapers	*	*	n.a.	n.a.	-55.4
2222 : Printing nec	3,800	2,900	-900	-23.2	1.2
2223 : Bookbinding and finishing	*	*	n.a.	n.a.	-28.4
2224 : Composition and plate-making	*	*	n.a.	n.a.	-37.5
2225 : Other activities related to printing	*	100	n.a.	n.a.	123.7
2231 : Reproduction of sound recording	0	*	n.a.	n.a.	96.3
2232 : Reproduction of video recording	*	*	n.a.	n.a.	106.0

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
2233 : Reproduction of computer media	*	*	n.a.	n.a.	519.2
2310 : Manufacture of coke oven products	0	0	0	-	8.9
2320 : Manufacture: refined petroleum products	*	*	n.a.	n.a.	-27.0
2330 : Processing of nuclear fuel	0	0	0	-	-14.8
2411 : Manufacture of industrial gases	*	0	n.a.	n.a.	13.5
2412 : Manufacture of dyes and pigments	0	*	n.a.	n.a.	99.2
2413 : Manufacture: other inorganic chemicals	*	*	n.a.	n.a.	4.4
2414 : Manufacture: other organic chemicals	*	*	n.a.	n.a.	168.9
2415 : Manufacture: fertilizers	0	*	n.a.	n.a.	-12.5
2416 : Manufacture of plastics in primary forms	*	*	n.a.	n.a.	-17.6
2417 : Manufacture: synth. Rubber primary forms	0	0	0	-	-10.2
2420 : Manufacture of pesticides etc	0	0	0	-	57.4
2430 : Manufacture of paints, varnishes etc	*	*	n.a.	n.a.	18.3
2441 : Manufacture of pharmaceutical products	*	*	n.a.	n.a.	-71.0
2442 : Manufacture: pharmaceutical preparations	0	*	n.a.	n.a.	136.8
2451 : Manufacture of soap/detergents etc	*	*	n.a.	n.a.	25.4
2452 : Manufacture of perfumes/toilet etc	*	*	n.a.	n.a.	34.0
2461 : Manufacture of explosives	*	0	n.a.	n.a.	12.5
2462 : Manufacture of glues and gelatines	*	*	n.a.	n.a.	-31.4
2463 : Manufacture of essential oils	0	0	0	-	253.5
2464 : Manufacture of photographic chemicals	0	0	0	-	-22.1
2465 : Manufacture of prepared unrecorded media	0	*	n.a.	n.a.	1.1
2466 : Manufacture of other chemicals nec	*	*	n.a.	n.a.	-61.5
2470 : Manufacture of man-made fibres	0	0	0	-	6.9
2511 : Manufacture of rubber tyres and tubes	*	*	n.a.	n.a.	-16.2
2512 : Retreading/rebuilding of rubber tyres	0	0	0	-	162.4
2513 : Manufacture of other rubber products	*	*	n.a.	n.a.	-12.6
2521 : Manufacture of plastic plates/sheets etc	*	*	n.a.	n.a.	105.8
2522 : Manufacture of plastic packing goods	*	*	n.a.	n.a.	34.9
2523 : Manufacture of builders' ware of plastic	*	600	n.a.	n.a.	50.4
2524 : Manufacture of other plastic products	*	1,300	n.a.	n.a.	26.8
2611 : Manufacture of flat glass	*	*	n.a.	n.a.	-45.8
2612 : Shaping and processing of flat glass	*	300	n.a.	n.a.	21.2
2613 : Manufacture of hollow glass	*	*	n.a.	n.a.	13.4
2614 : Manufacture of glass fibres	*	*	n.a.	n.a.	-3.1
2615 : Manufacture/processing of other glass	*	*	n.a.	n.a.	-57.6
2621 : Manufacture: ceramic household articles	*	*	n.a.	n.a.	-24.3
2622 : Manufacture of ceramic sanitary fixtures	0	0	0	-	8.6
2623 : Manufacture of ceramic insulators	0	*	n.a.	n.a.	101.2
2624 : Manufacture: other tech. ceramic product	0	0	0	-	2.4
2625 : Manufacture of other ceramic products	0	*	n.a.	n.a.	15.9
2626 : Manufacture: refractory ceramic products	0	*	n.a.	n.a.	-18.0
2630 : Manufacture of ceramic tiles and flags	*	*	n.a.	n.a.	-37.0
2640 : Manufacture of bricks etc in baked clay	*	*	n.a.	n.a.	-36.9
2651 : Manufacture of cement	*	*	n.a.	n.a.	-12.4
2652 : Manufacture of lime	0	0	0	-	692.1
2653 : Manufacture of plaster	0	0	0	-	-48.5
2661 : Manufacture: concrete for construction	*	*	n.a.	n.a.	0.8
2662 : Manufacture: plaster for construction	0	0	0	-	10.3
2663 : Manufacture of ready-mixed concrete	100	*	n.a.	n.a.	-38.4
2664 : Manufacture of mortars	0	0	0	-	220.7
2665 : Manufacture of fibre cement	0	0	0	-	157.0
2666 : Manufacture: other concrete/plaster etc	0	*	n.a.	n.a.	37.6
2670 : Cutting, shaping and finishing of stone	*	*	n.a.	n.a.	-0.2
2681 : Production of abrasive products	*	*	n.a.	n.a.	8.2
2682 : Manufac: non-metal mineral products nec	*	*	n.a.	n.a.	-26.2
2710 : Manufacture of basic iron/steel etc	*	*	n.a.	n.a.	-17.1
2721 : Manufacture of cast iron tubes	0	*	n.a.	n.a.	718.2
2722 : Manufacture of steel tubes	*	*	n.a.	n.a.	-18.3
2731 : Cold drawing	0	0	0	-	172.5
2732 : Cold rolling of narrow strip	*	*	n.a.	n.a.	-72.1

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
2733 : Cold forming or folding	0	0	0	-	153.3
2734 : Wire drawing	0	0	0	-	127.6
2735 : Other first processing of iron/steel nec	0	*	n.a.	n.a.	110.8
2741 : Precious metals production	0	0	0	-	33.0
2742 : Aluminium production	*	*	n.a.	n.a.	-7.3
2743 : Lead, zinc and tin production	*	0	n.a.	n.a.	-29.4
2744 : Copper production	*	*	n.a.	n.a.	-13.5
2745 : Other non-ferrous metal production	*	*	n.a.	n.a.	-39.6
2751 : Casting of iron	*	*	n.a.	n.a.	-23.9
2752 : Casting of steel	0	*	n.a.	n.a.	22.4
2753 : Casting of light metals	*	*	n.a.	n.a.	-23.4
2754 : Casting of other non-ferrous metals	*	*	n.a.	n.a.	-34.7
2811 : Manufacture of metal structures & parts	*	4,000	n.a.	n.a.	77.7
2812 : Manufacture of builders' carpentry etc	*	500	n.a.	n.a.	-22.0
2821 : Manufacture of tanks, reservoirs etc	*	*	n.a.	n.a.	-0.9
2822 : Manufacture: central heating boilers	*	*	n.a.	n.a.	70.7
2830 : Manufacture of steam generators	*	*	n.a.	n.a.	-39.0
2840 : Forging, pressing, stamping etc	*	900	n.a.	n.a.	-2.3
2851 : Treatment and coating of metals	*	400	n.a.	n.a.	-2.1
2852 : General mechanical engineering	3,200	2,000	-1,200	-37.3	-17.1
2861 : Manufacture of cutlery	0	0	0	-	-62.2
2862 : Manufacture of tools	*	*	n.a.	n.a.	-21.3
2863 : Manufacture of locks and hinges	0	*	n.a.	n.a.	77.6
2871 : Manufacture of steel drums etc	*	*	n.a.	n.a.	-76.4
2872 : Manufacture of light metal packaging	*	*	n.a.	n.a.	4.4
2873 : Manufacture of wire products	*	*	n.a.	n.a.	-63.1
2874 : Manufacture of fasteners etc	*	*	n.a.	n.a.	-9.7
2875 : Manufacture: other metal products nec	*	600	n.a.	n.a.	22.2
2911 : Manufacture of engines and turbines	*	*	n.a.	n.a.	-35.4
2912 : Manufacture of pumps and compressors	*	*	n.a.	n.a.	18.3
2913 : Manufacture of taps and valves	*	*	n.a.	n.a.	37.7
2914 : Manufacture of bearings, gears etc	*	*	n.a.	n.a.	5.9
2921 : Manufacture of furnaces/furnace burners	0	*	n.a.	n.a.	52.9
2922 : Manufacture: lifting/handling equipment	*	1,100	n.a.	n.a.	6.5
2923 : Manufacture of ventilation equipment etc	*	1,200	n.a.	n.a.	19.0
2924 : Manufacture: other general machinery nec	1,600	400	-1,200	-74.5	-52.5
2931 : Manufacture of agricultural tractors	0	*	n.a.	n.a.	69.7
2932 : Manufacture: other agric/forest machines	*	*	n.a.	n.a.	-41.4
2940 : Manufacture of machine tools	1,100	1,200	100	4.2	-36.6
2951 : Manufacture of machinery for metallurgy	*	*	n.a.	n.a.	-44.3
2952 : Manufacture of machinery for mining etc	*	*	n.a.	n.a.	6.9
2953 : Manufacture of machinery for food etc	*	*	n.a.	n.a.	13.1
2954 : Manufacture of machinery for textile etc	*	*	n.a.	n.a.	8.5
2955 : Manufacture of machinery for paper etc	0	0	0	-	29.4
2956 : Manufacture: other special machinery nec	*	900	n.a.	n.a.	20.1
2960 : Manufacture of weapons and ammunition	*	*	n.a.	n.a.	-16.5
2971 : Manufacture: elec. Domestic appliances	*	*	n.a.	n.a.	-16.8
2972 : Manufacture: non-elec. Domes. Appliances	0	*	n.a.	n.a.	17.9
3001 : Manufacture of office machinery	*	*	n.a.	n.a.	24.4
3002 : Manufacture of computers etc	*	300	n.a.	n.a.	-0.9
3110 : Manufacture: electric motors/generators	*	*	n.a.	n.a.	40.3
3120 : Manufacture: elect. distrib. Apparatus	*	*	n.a.	n.a.	16.2
3130 : Manufacture of insulated wire and cable	*	*	n.a.	n.a.	62.6
3140 : Manufacture of accumulators etc	*	*	n.a.	n.a.	-30.5
3150 : Manufacture of lighting equipment etc	*	*	n.a.	n.a.	24.1
3161 : Manuf: elect. equipment for engines nec	*	*	n.a.	n.a.	21.7
3162 : Manufacture of electrical equipment nec	*	200	n.a.	n.a.	51.0
3210 : Manufacture of electronic valves etc	*	*	n.a.	n.a.	-13.8
3220 : Manufacture of TV/radio transmitters etc	*	*	n.a.	n.a.	-14.8
3230 : Manufacture of TV/radio receivers etc	*	*	n.a.	n.a.	18.8
3310 : Manuf: medical/surgical equipment etc	*	300	n.a.	n.a.	7.1

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
3320 : Manuf: instruments for measuring etc	1,500	800	-700	-47.8	1.5
3330 : Manuf: industrial process control equip.	*	*	n.a.	n.a.	-4.1
3340 : Manufacture of optical instruments etc	*	*	n.a.	n.a.	78.8
3350 : Manufacture of watches and clocks	0	0	0	-	-1.7
3410 : Manufacture of motor vehicles	*	*	n.a.	n.a.	4.7
3420 : Manufacture of motor vehicles bodies etc	*	*	n.a.	n.a.	21.6
3430 : Manufacture of parts for motor vehicles	*	3,000	n.a.	n.a.	42.8
3511 : Building and repairing of ships	*	2,400	n.a.	n.a.	-21.2
3512 : Building repairing of pleasure boats etc	*	*	n.a.	n.a.	-17.9
3520 : Manufacture: railway/tramway vehicles	0	0	0	-	13.0
3530 : Manufacture of aircraft and spacecraft	*	*	n.a.	n.a.	-24.6
3541 : Manufacture of motorcycles	0	0	0	-	307.4
3542 : Manufacture of bicycles	*	*	n.a.	n.a.	24.6
3543 : Manufacture of invalid carriages	0	0	0	-	135.2
3550 : Manufacture of transport equipment nec	0	0	0	-	166.2
3611 : Manufacture of chairs and seats	*	*	n.a.	n.a.	206.8
3612 : Manufacture: other office/shop furniture	*	*	n.a.	n.a.	68.2
3613 : Manufacture of other kitchen furniture	*	*	n.a.	n.a.	54.9
3614 : Manufacture of other furniture	1,400	1,700	300	20.0	-35.0
3615 : Manufacture of mattresses	0	*	n.a.	n.a.	270.0
3621 : Striking of coins and medals	0	*	n.a.	n.a.	235.7
3622 : Manufacture of jewellery nec	*	*	n.a.	n.a.	-16.2
3630 : Manufacture of musical instruments	0	*	n.a.	n.a.	4.6
3640 : Manufacture of sports goods	*	*	n.a.	n.a.	-15.1
3650 : Manufacture of games and toys	*	*	n.a.	n.a.	-8.1
3661 : Manufacture of imitation jewellery	0	0	0	-	1,141.0
3662 : Manufacture of brooms and brushes	*	*	n.a.	n.a.	-14.7
3663 : Other manufacturing nec	*	500	n.a.	n.a.	67.7
3710 : Recycling of metal waste and scrap	*	*	n.a.	n.a.	91.4
3720 : Recycling of non-metal waste and scrap	*	*	n.a.	n.a.	236.3
4010 : Production/distribution of electricity	*	*	n.a.	n.a.	-36.8
4020 : Manufacture/distribution of gas	*	*	n.a.	n.a.	-52.0
4030 : Steam and hot water supply	0	*	n.a.	n.a.	172.8
4100 : Collection/purification etc of water	*	*	n.a.	n.a.	-19.6
4511 : Demolition and wrecking of buildings	*	400	n.a.	n.a.	64.7
4512 : Test drilling and boring	*	*	n.a.	n.a.	-62.1
4521 : General construction of buildings etc	12,300	10,500	-1,800	-14.6	-6.7
4522 : Erection of roof covering and frames	500	500	0	-10.8	0.8
4523 : Construction of highways, roads etc	*	1,200	n.a.	n.a.	81.8
4524 : Construction of water projects	*	*	n.a.	n.a.	99.2
4525 : Other constr. involving special trades	*	600	n.a.	n.a.	87.8
4531 : Installation: electrical wires/fittings	2,800	2,800	0	0.3	10.0
4532 : Insulation work activities	*	1,100	n.a.	n.a.	-7.8
4533 : Plumbing	1,500	1,800	300	21.7	4.9
4534 : Other building installation	*	300	n.a.	n.a.	210.2
4541 : Plastering	*	200	n.a.	n.a.	10.9
4542 : Joinery installation	800	500	-300	-32.1	-23.7
4543 : Floor and wall covering	*	400	n.a.	n.a.	-7.4
4544 : Painting and glazing	2,000	1,900	-100	-7.8	-5.0
4545 : Other building completion	*	400	n.a.	n.a.	190.8
4550 : Renting: construction equip. & operator	*	200	n.a.	n.a.	360.9
5010 : Sale of motor vehicles	3,600	4,400	800	21.1	29.0
5020 : Maintenance and repair of motor vehicles	2,700	2,400	-300	-11.9	-22.2
5030 : Sale of motor vehicle parts/accessories	1,000	1,200	200	20.8	10.1
5040 : Sale/maintenance/repair of motorcycles	*	200	n.a.	n.a.	138.2
5050 : Retail sale of automotive fuel	900	900	0	-1.3	1.6
5111 : Agents: sale of agric. raw materials etc	*	*	n.a.	n.a.	53.9
5112 : Agents: sale of fuels, ores, metals etc	*	*	n.a.	n.a.	16.2
5113 : Agents: sale of timber/building material	*	*	n.a.	n.a.	10.4
5114 : Agents: sale of machinery etc	*	*	n.a.	n.a.	50.6
5115 : Agents: sale of furniture etc	0	*	n.a.	n.a.	-35.6

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
5116 : Agents: sale of textiles, clothing etc	*	*	n.a.	n.a.	-23.5
5117 : Agents: sale of food/beverages/tobacco	0	*	n.a.	n.a.	-28.8
5118 : Agents: sale of particular products nec	0	*	n.a.	n.a.	45.9
5119 : Agents: sale of a variety of goods	*	*	n.a.	n.a.	-71.3
5121 : Wholesale of grain/seeds/animal feeds	*	*	n.a.	n.a.	0.9
5122 : Wholesale of flowers and plants	*	*	n.a.	n.a.	24.0
5123 : Wholesale of live animals	0	*	n.a.	n.a.	-29.6
5124 : Wholesale of hides, skins and leather	*	*	n.a.	n.a.	-13.4
5125 : Wholesale of unmanufactured tobacco	0	*	n.a.	n.a.	77.0
5131 : Wholesale of fruit and vegetables	*	500	n.a.	n.a.	30.0
5132 : Wholesale of meat and meat products	*	300	n.a.	n.a.	0.8
5133 : Wholesale of dairy produce/eggs/fats etc	*	200	n.a.	n.a.	-37.6
5134 : Wholesale of alcoholic/other beverages	*	900	n.a.	n.a.	8.0
5135 : Wholesale of tobacco products	*	*	n.a.	n.a.	215.7
5136 : Wholesale of sugar/chocolate etc	*	*	n.a.	n.a.	27.6
5137 : Wholesale of coffee/tea/cocoa/spices	*	*	n.a.	n.a.	163.2
5138 : Wholesale of other food inc. fish etc	*	300	n.a.	n.a.	-40.8
5139 : Non-specialised wholesale of food etc	1,300	1,200	-100	-14.2	-19.3
5141 : Wholesale of textiles	*	*	n.a.	n.a.	23.9
5142 : Wholesale of clothing and footwear	*	900	n.a.	n.a.	78.8
5143 : Wholesale of electrical household goods	400	400	0	6.8	25.4
5144 : Wholesale of china and glassware etc	*	200	n.a.	n.a.	99.0
5145 : Wholesale of perfume and cosmetics	*	*	n.a.	n.a.	15.7
5146 : Wholesale of pharmaceutical goods	*	400	n.a.	n.a.	21.4
5147 : Wholesale of other household goods	400	1,000	600	128.9	84.5
5151 : Wholesale of solid/liquid/gaseous fuels	400	200	-200	-56.3	-27.2
5152 : Wholesale of metals and metal ores	*	400	n.a.	n.a.	15.7
5153 : Wholesale: wood, construction materials	2,000	1,200	-800	-38.6	-16.0
5154 : Wholesale: hardware, plumbing etc	800	900	100	12.8	23.8
5155 : Wholesale of chemical products	*	200	n.a.	n.a.	26.8
5156 : Wholesale of other intermediate products	*	200	n.a.	n.a.	62.6
5157 : Wholesale of waste and scrap	*	200	n.a.	n.a.	-14.7
5161 : Wholesale of machine tools	*	*	n.a.	n.a.	-13.5
5162 : Wholesale of construction machinery	*	*	n.a.	n.a.	42.2
5163 : Wholesale: textile industry machinery	*	*	n.a.	n.a.	-89.4
5164 : Wholesale: office machinery and equip.	*	400	n.a.	n.a.	85.9
5165 : Wholesale: other industry machinery etc	2,400	1,500	-900	-38.6	41.0
5166 : Wholesale of agricultural machinery etc	*	*	n.a.	n.a.	37.1
5170 : Other wholesale	1,100	800	-300	-26.9	148.8
5211 : Retail: non-specialised food stores etc	10,300	13,800	3,500	34.1	33.1
5212 : Other retail: non-specialised stores	6,000	6,800	800	12.1	26.5
5221 : Retail sale of fruit and vegetables	700	500	-200	-32.3	-13.8
5222 : Retail sale of meat and meat products	1,700	1,000	-700	-41.6	-33.6
5223 : Retail sale of fish/crustaceans/molluscs	*	100	n.a.	n.a.	-6.3
5224 : Retail sale of bread, cakes etc	2,600	2,100	-500	-22.5	-28.4
5225 : Retail sale of alcoholic/other beverages	700	800	100	21.5	22.9
5226 : Retail sale of tobacco products	200	300	100	108.3	76.2
5227 : Other retail sale of food/beverages etc	*	1,400	n.a.	n.a.	134.3
5231 : Dispensing chemists	2,800	1,200	-1,600	-56.9	-53.3
5232 : Retail sale of medical/orthopaedic goods	*	*	n.a.	n.a.	55.3
5233 : Retail sale of cosmetic/toilet articles	*	500	n.a.	n.a.	115.4
5241 : Retail sale of textiles	700	300	-400	-51.2	-25.7
5242 : Retail sale of clothing	3,300	4,100	800	23.7	28.3
5243 : Retail sale of footwear/leather goods	1,500	1,200	-300	-16.8	-14.5
5244 : Retail sale of furniture etc nec	1,500	1,300	-200	-14.9	-11.2
5245 : Retail sale: electrical household goods	800	1,300	500	66.7	-14.7
5246 : Retail sale of hardware/paints/glass	1,700	1,900	200	8.8	27.3
5247 : Retail sale of books/newspapers etc	1,900	1,300	-600	-31.9	-29.0
5248 : Other retail sale: specialised stores	4,700	5,200	500	12.0	16.7
5250 : Retail sale: second-hand goods in stores	*	200	n.a.	n.a.	256.3
5261 : Retail sale via mail order houses	*	*	n.a.	n.a.	13.0

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
5262 : Retail sale via stalls and markets	*	100	n.a.	n.a.	25.1
5263 : Other non-store retail sale	*	300	n.a.	n.a.	52.2
5271 : Repair of boots/shoes etc	*	*	n.a.	n.a.	-26.7
5272 : Repair of electrical household goods	*	100	n.a.	n.a.	-4.4
5273 : Repair of watches, clocks and jewellery	*	*	n.a.	n.a.	-85.0
5274 : Repair nec	*	200	n.a.	n.a.	131.3
5511 : Hotels and motels, with restaurant	2,900	3,800	900	34.7	3.0
5512 : Hotels and motels, without restaurant	*	*	n.a.	n.a.	318.8
5521 : Youth hostels and mountain refuges	*	0	n.a.	n.a.	48.9
5522 : Camping sites, including caravan sites	*	*	n.a.	n.a.	32.4
5523 : Other provision of lodgings nec	*	*	n.a.	n.a.	5.2
5530 : Restaurants	4,700	6,200	1,500	32.5	29.5
5540 : Bars	12,800	11,100	-1,700	-12.8	0.8
5551 : Canteens	*	200	n.a.	n.a.	-39.8
5552 : Catering	1,100	2,300	1,200	116.4	41.9
6010 : Transport via railways	2,700	*	n.a.	n.a.	-66.0
6021 : Other scheduled passenger land transport	*	3,300	n.a.	n.a.	18.9
6022 : Taxi operation	*	300	n.a.	n.a.	23.8
6023 : Other passenger land transport	1,900	300	-1,600	-85.0	-33.9
6024 : Freight transport by road	2,900	3,200	300	11.6	15.5
6030 : Transport via pipelines	0	*	n.a.	n.a.	471.5
6110 : Sea and coastal water transport	*	*	n.a.	n.a.	-50.9
6120 : Inland water transport	0	*	n.a.	n.a.	383.6
6210 : Scheduled air transport	*	*	n.a.	n.a.	22.6
6220 : Non-scheduled air transport	*	*	n.a.	n.a.	120.0
6230 : Space transport	0	0	0	-	-
6311 : Cargo handling	*	*	n.a.	n.a.	-0.8
6312 : Storage and warehousing	1,100	800	-300	-26.3	3.3
6321 : Other supporting land transport activ.	*	*	n.a.	n.a.	34.4
6322 : Other supporting water transport activ.	*	*	n.a.	n.a.	-20.6
6323 : Other supporting air transport activ.	*	*	n.a.	n.a.	-19.5
6330 : Activities of travel agencies etc nec	1,300	1,700	400	29.1	50.4
6340 : Activities of other transport agencies	300	700	400	119.1	45.7
6411 : National post activities	2,400	3,100	700	30.4	4.6
6412 : Courier activities	*	1,000	n.a.	n.a.	140.0
6420 : Telecommunications	5,200	3,900	-1,300	-26.4	-22.0
6511 : Central banking	*	*	n.a.	n.a.	-31.5
6512 : Other monetary intermediation	7,100	4,800	-2,300	-32.4	-13.8
6521 : Financial leasing	0	*	n.a.	n.a.	841.0
6522 : Other credit granting	900	800	-100	-3.5	-21.9
6523 : Other financial intermediation nec	*	100	n.a.	n.a.	120.5
6601 : Life insurance	1,800	1,400	-400	-22.3	-18.1
6602 : Pension funding	*	*	n.a.	n.a.	614.6
6603 : Non-life insurance	1,100	1,000	-100	-8.6	0.4
6711 : Administration of financial markets	*	*	n.a.	n.a.	743.4
6712 : Security broking and fund management	*	*	n.a.	n.a.	38.8
6713 : Activ. Auxil. to fin. Intermediation nec	*	100	n.a.	n.a.	348.4
6720 : Activ. Auxil. to insur./pension funding	2,700	1,100	-1,600	-58.5	-9.6
7011 : Development and selling of real estate	900	800	-100	-4.3	42.2
7012 : Buying and selling of own real estate	0	*	n.a.	n.a.	772.9
7020 : Letting of own property	*	1,900	n.a.	n.a.	448.8
7031 : Real estate agencies	1,600	1,000	-600	-36.1	-4.7
7032 : Management of real estate	400	500	100	15.2	66.8
7110 : Renting of automobiles	300	400	100	15.3	44.8
7121 : Renting: other land transport equipment	*	*	n.a.	n.a.	-19.1
7122 : Renting of water transport equipment	0	*	n.a.	n.a.	-31.7
7123 : Renting of air transport equipment	0	*	n.a.	n.a.	169.5
7131 : Renting of agricultural machinery	0	*	n.a.	n.a.	3,282.1
7132 : Renting of construction equipment	700	700	0	-1.7	-8.9
7133 : Renting of office machinery and equip.	*	*	n.a.	n.a.	174.3
7134 : Renting: other machinery and equip. nec	*	300	n.a.	n.a.	21.0

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
7140 : Renting: personal/household goods nec	300	700	400	104.6	26.4
7210 : Hardware consultancy	0	100	100	-	5,100.2
7220 : Software consultancy and supply	1,800	2,300	500	30.5	103.0
7230 : Data processing	*	1,000	n.a.	n.a.	76.2
7240 : Data base activities	0	400	400	-	1,315.3
7250 : Maintenance/repair: office machinery etc	*	200	n.a.	n.a.	35.8
7260 : Other computer related activities	*	400	n.a.	n.a.	1,900.8
7310 : Research: natural sciences/engineering	*	700	n.a.	n.a.	51.8
7320 : Research: social sciences/humanities	*	*	n.a.	n.a.	-73.8
7411 : Legal activities	2,900	3,300	400	16.2	9.1
7412 : Accounting/book-keeping activities etc	2,500	2,500	0	0.0	7.0
7413 : Market research/public opinion polling	*	200	n.a.	n.a.	36.6
7414 : Business/management consultancy activ.	800	900	100	14.5	59.9
7415 : Management activities: holding companies	*	2,100	n.a.	n.a.	318.8
7420 : Architectural/engineering activities	10,300	4,600	-5,700	-55.3	-31.7
7430 : Technical testing and analysis	700	400	-300	-40.7	-2.3
7440 : Advertising	1,800	1,500	-300	-18.8	58.3
7450 : Labour recruitment etc	2,400	10,800	8,400	354.8	231.0
7460 : Investigation and security activities	1,800	3,000	1,200	64.6	86.6
7470 : Industrial cleaning	10,200	5,100	-5,100	-50.4	-19.1
7481 : Photographic activities	*	500	n.a.	n.a.	2.0
7482 : Packaging activities	*	*	n.a.	n.a.	-0.1
7483 : Secretarial and translation activities	*	200	n.a.	n.a.	0.0
7484 : Other business activities nec	1,000	2,100	1,100	100.2	202.0
7511 : General public service activities	11,300	9,800	-1,500	-13.5	-11.9
7512 : Regulation: education agencies etc	4,100	4,000	-100	-2.4	-3.8
7513 : Regulation: more efficient business	*	*	n.a.	n.a.	30.0
7514 : Supporting service activities	300	*	n.a.	n.a.	-42.6
7521 : Foreign affairs	0	0	0	-	-81.1
7522 : Defence activities	300	*	n.a.	n.a.	19.3
7523 : Justice and judicial activities	*	*	n.a.	n.a.	13.3
7524 : Public security/law/order activities	3,800	*	n.a.	n.a.	12.9
7525 : Fire service activities	1,300	1,300	0	-4.1	-20.8
7530 : Compulsory social security activities	15,000	13,400	-1,600	-10.7	6.4
8010 : Primary education	17,600	11,700	-5,900	-33.4	-22.7
8021 : General secondary education	6,000	6,200	200	2.6	40.9
8022 : Technical/vocational secondary education	4,200	900	-3,300	-79.2	-44.5
8030 : Higher education	*	11,800	n.a.	n.a.	75.1
8041 : Driving school activities	*	*	n.a.	n.a.	-1.8
8042 : Adult and other education nec	3,100	3,900	800	28.3	43.4
8511 : Hospital activities	22,300	28,300	6,000	27.3	6.8
8512 : Medical practice activities	1,600	2,400	800	47.4	38.2
8513 : Dental practice activities	900	800	-100	-16.4	-9.6
8514 : Other human health activities	6,200	4,500	-1,700	-27.1	-41.9
8520 : Veterinary activities	200	300	100	94.7	41.8
8531 : Social work activities with accom.	7,100	8,700	1,600	22.4	17.4
8532 : Social work activities without accom.	11,400	10,600	-800	-6.8	10.7
9000 : Sewage and refuse disposal etc	*	1,600	n.a.	n.a.	63.2
9111 : Activities: business/employers organis.	*	*	n.a.	n.a.	-6.3
9112 : Activities of professional organis.	*	100	n.a.	n.a.	340.1
9120 : Activities of trade unions	*	200	n.a.	n.a.	-2.2
9131 : Activities of religious organisations	200	400	200	103.5	46.3
9132 : Activities of political organisations	*	100	n.a.	n.a.	140.0
9133 : Activit: other membership organis. nec	3,100	5,300	2,200	70.2	41.7
9211 : Motion picture and video production	*	100	n.a.	n.a.	-19.1
9212 : Motion picture and video distribution	*	*	n.a.	n.a.	-54.3
9213 : Motion picture projection	*	*	n.a.	n.a.	4.4
9220 : Radio and television activities	*	600	n.a.	n.a.	4.4
9231 : Artistic and literary creation etc	*	400	n.a.	n.a.	155.6
9232 : Operation of arts facilities	*	*	n.a.	n.a.	-9.2
9233 : Fair and amusement park activities	*	*	n.a.	n.a.	262.6

Table 10 (cont)	T&W	T&W	T&W	T&W	GB
Industry	1991	1998	Change	% Change	% Change
9234 : Other entertainment activities nec	*	100	n.a.	n.a.	-11.8
9240 : News agency activities	*	*	n.a.	n.a.	40.6
9251 : Library and archives activities	1,100	900	-200	-16.3	-12.6
9252 : Museum activities etc	*	400	n.a.	n.a.	30.3
9253 : Botanical and zoological gardens etc	*	*	n.a.	n.a.	-4.5
9261 : Operation of sports arenas and stadiums	600	2,000	1,400	253.1	172.3
9262 : Other sporting activities	1,900	2,300	400	18.2	11.0
9271 : Gambling and betting activities	2,400	1,900	-500	-18.8	-16.1
9272 : Other recreational activities nec	2,100	500	-1,600	-78.2	-63.8
9301 : Washing/dry cleaning of textile etc	900	700	-200	-26.1	-0.6
9302 : Hairdressing and other beauty treatment	2,600	1,600	-1,000	-40.9	-28.9
9303 : Funeral and related activities	300	300	0	-11.2	17.0
9304 : Physical well-being activities	*	100	n.a.	n.a.	151.0
9305 : Other service activities nec	*	1,300	n.a.	n.a.	3,327.8
9500 : Private households with employed persons	0	0	0	-	-
9900 : Extra-territorial organisations	0	0	0	-	61.7
Total Employees	426,000	433,900	7,900	1.9	8.5

Note: * data suppressed to maintain confidentiality

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5.2 Employment Change in Gateshead 1991-98

Table 11: Employment Change in Gateshead 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-48.9	143.0
C	Mining & quarrying	*	*	-	-	-93.7	-47.5
E	Utilities	*	*	-	-	-14.5	-37.3
	PRIMARY	700	100	-600	-85.7	-55.7	-27.4
D	MANUFACTURING	17,300	18,400	1,100	6.4	16.7	-1.7
F	CONSTRUCTION	5,100	5,400	300	5.9	-2.8	6.7
G	Wholesale, retail	16,800	16,600	-200	-1.2	2.4	13.0
H	Hotels & restaurants	3,900	4,500	600	15.4	9.3	12.4
I	Transport & communication	4,600	5,900	1,300	28.3	-8.6	0.4
	CONSUMER SERVICES	25,300	27,000	1,700	6.7	1.4	10.1
J	Finance	1,300	1,400	100	7.7	-30.4	-2.8
K	Business Services	8,100	7,200	-900	-11.1	8.4	42.7
	FINANCE & BUSINESS	9,400	8,600	-800	-8.5	-0.8	29.0
L	Public administration	3,800	3,600	-200	-5.3	-14.6	-2.3
M	Education	5,400	4,100	-1,300	-24.1	-9.7	5.0
N	Health and social work	5,100	8,800	3,700	72.5	12.0	5.1
	PUBLIC SERVICES	14,300	16,500	2,200	15.4	-2.7	3.2
O	OTHER SERVICES	2,700	3,400	700	25.9	10.9	19.2
	TOTAL EMPLOYEES	74,800	79,500	4,700	6.3	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 12: Employment Change in Gateshead 1991-98, SIC Division

Industry	1991	1998	Change	District % Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	*	0	n.a.	n.a.	n.a.	268.2
02 : Forestry, logging, etc	0	0	0	-	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	*	0	n.a.	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	*	*	n.a.	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	0	0	0	-	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-	-
13 : Mining of metal ores	0	*	n.a.	n.a.	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	n.a.	3.3
15 : Manuf food products and beverages	*	1,500	n.a.	n.a.	120.4	-2.0
16 : Manuf tobacco products	0	0	0	-	n.a.	-24.8
17 : Manuf textiles	*	*	n.a.	n.a.	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	*	*	n.a.	n.a.	-35.6	-16.0
19 : Tanning/dressing of leather, etc	0	*	n.a.	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	*	600	n.a.	n.a.	-18.5	5.0
21 : Manuf pulp, paper and paper products	*	*	n.a.	n.a.	38.9	-1.4
22 : Publishing,printing, repro recorded media	1,600	1,200	-400	-27.7	-17.4	6.4
23 : Manuf coke, refined petroleum products	*	*	n.a.	n.a.	n.a.	-21.9
24 : Manuf chemicals and chemical products	*	1,500	n.a.	n.a.	6.2	-5.7
25 : Manuf rubber and plastic goods	*	900	n.a.	n.a.	68.9	28.5
26 : Manuf other non-metallic products	700	700	0	-1.2	-23.4	-15.5
27 : Manuf basic metals	*	*	n.a.	n.a.	25.1	-14.4
28 : Manuf fabricated metal products, etc	1,700	2,700	1,000	60.3	22.6	-6.2
29 : Manuf machinery and equipment nec	4,700	3,700	-1,000	-22.7	-7.2	-13.1
30 : Manuf office machinery and computers	*	*	n.a.	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	*	1,400	n.a.	n.a.	63.2	28.5
32 : Manuf radio, tv/communications equipment	*	*	n.a.	n.a.	149.1	-6.7
33 : Manuf medical,precision instruments,etc	*	*	n.a.	n.a.	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	*	n.a.	n.a.	n.a.	20.7
35 : Manuf other transport equipment	*	*	n.a.	n.a.	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	*	500	n.a.	n.a.	52.7	22.1
37 : Recycling	*	*	n.a.	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	0	0	0	-	n.a.	-19.6
45 : Construction	5,100	5,400	300	5.7	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	1,400	1,700	300	21.3	8.6	5.0
51 : Wholesale trade/commission trade, etc	7,400	4,900	-2,500	-33.9	-20.7	19.7
52 : Retail trade, except of motor vehicles	7,900	10,000	2,100	25.8	9.9	12.2
55 : Hotels and restaurants	3,900	4,500	600	16.0	9.3	12.4
60 : Land transport; transport via pipelines	2,600	2,200	-400	-15.8	-28.0	-8.8
61 : Water transport	0	*	n.a.	n.a.	n.a.	-47.3
62 : Air transport	0	0	0	-	n.a.	32.5
63 : Supporting/auxilliary transport,etc	*	300	n.a.	n.a.	6.4	19.4
64 : Post and telecommunications	1,700	3,400	1,700	94.8	-0.6	-1.5
65 : Financial intermediation, etc	1,100	1,100	0	-1.8	-27.6	-8.0
66 : Insurance and pension funding, etc	*	*	n.a.	n.a.	-16.2	-3.0
67 : Act auxilliary financial intermediation	*	200	n.a.	n.a.	-51.9	16.8
70 : Real estate activities	300	700	400	115.4	37.9	59.7
71 : Renting machinery/equipment, etc	600	600	0	5.8	18.0	14.0
72 : Computing and related activities	*	800	n.a.	n.a.	56.8	137.1
73 : Research and development	*	*	n.a.	n.a.	n.a.	19.5
74 : Other business activities	6,400	5,000	-1,400	-21.7	4.0	35.1
75 : Public admin/defence; compulsory SS	3,800	3,600	-200	-7.5	-14.6	-2.3
80 : Education	5,400	4,100	-1,300	-24.1	-9.7	5.0
85 : Health and social work	5,100	8,800	3,700	74.0	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	*	n.a.	n.a.	n.a.	63.2
91 : Activities membership organisations nec	500	800	300	73.4	69.5	44.1
92 : Recreational, cultural and sporting	1,400	1,600	200	14.6	-5.9	4.8
93 : Other service activities	600	700	100	21.7	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-	-
Total Employees	74,800	79,500	4,700	6.3	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

5.3 Employment Change in Newcastle 1991-98

Table 13: Employment Change in Newcastle 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-48.9	143.0
C	Mining & quarrying	*	*	-	-	-93.7	-47.5
E	Utilities	*	*	-	-	-14.5	-37.3
	PRIMARY	2,000	1,400	-600	-30.0	-55.7	-27.4
D	MANUFACTURING	12,400	11,500	-900	-7.3	16.7	-1.7
F	CONSTRUCTION	5,900	5,700	-200	-3.4	-2.8	6.7
G	Wholesale, retail	20,400	19,900	-500	-2.5	2.4	13.0
H	Hotels & restaurants	7,600	8,900	1,300	17.1	9.3	12.4
I	Transport & communication	10,200	7,100	-3,100	-30.4	-8.6	0.4
	CONSUMER SERVICES	38,100	35,900	-2,200	-5.8	1.4	10.1
J	Finance	8,900	5,200	-3,700	-41.6	-30.4	-2.8
K	Business Services	20,200	22,300	2,100	10.4	8.4	42.7
	FINANCE & BUSINESS	29,100	27,500	-1,600	-5.5	-0.8	29.0
L	Public administration	23,100	18,500	-4,600	-19.9	-14.6	-2.3
M	Education	14,500	13,900	-600	-4.1	-9.7	5.0
N	Health and social work	20,700	20,800	100	0.5	12.0	5.1
	PUBLIC SERVICES	58,300	53,100	-5,200	-8.9	-2.7	3.2
O	OTHER SERVICES	7,200	7,900	700	9.7	10.9	19.2
	TOTAL EMPLOYEES	153,100	143,100	-10,000	-6.5	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 14: Employment Change in Newcastle 1991-98, SIC Division

Industry	1991	1998	Change	District % Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	*	0	n.a.	n.a.	n.a.	268.2
02 : Forestry, logging, etc	*	*	n.a.	n.a.	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	0	*	n.a.	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	*	*	n.a.	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	*	n.a.	n.a.	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-	-
13 : Mining of metal ores	0	0	0	-	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	n.a.	3.3
15 : Manuf food products and beverages	2,700	1,900	-800	-28.7	120.4	-2.0
16 : Manuf tobacco products	0	0	0	-	n.a.	-24.8
17 : Manuf textiles	*	*	n.a.	n.a.	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	*	300	n.a.	n.a.	-35.6	-16.0
19 : Tanning/dressing of leather, etc	0	*	n.a.	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	*	400	n.a.	n.a.	-18.5	5.0
21 : Manuf pulp, paper and paper products	*	*	n.a.	n.a.	38.9	-1.4
22 : Publishing,printing,repro recorded media	1,900	1,600	-300	-16.8	-17.4	6.4
23 : Manuf coke, refined petroleum products	*	0	n.a.	n.a.	n.a.	-21.9
24 : Manuf chemicals and chemical products	*	*	n.a.	n.a.	6.2	-5.7
25 : Manuf rubber and plastic goods	*	*	n.a.	n.a.	68.9	28.5
26 : Manuf other non-metallic products	*	200	n.a.	n.a.	-23.4	-15.5
27 : Manuf basic metals	*	*	n.a.	n.a.	25.1	-14.4
28 : Manuf fabricated metal products, etc	2,100	1,200	-900	-45.1	22.6	-6.2
29 : Manuf machinery and equipment nec	900	2,400	1,500	163.0	-7.2	-13.1
30 : Manuf office machinery and computers	*	*	n.a.	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	*	*	n.a.	n.a.	63.2	28.5
32 : Manuf radio, tv/communications equipment	*	*	n.a.	n.a.	149.1	-6.7
33 : Manuf medical,precision instruments,etc	*	300	n.a.	n.a.	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	*	n.a.	n.a.	n.a.	20.7
35 : Manuf other transport equipment	*	*	n.a.	n.a.	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	*	400	n.a.	n.a.	52.7	22.1
37 : Recycling	*	*	n.a.	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	*	*	n.a.	n.a.	n.a.	-19.6
45 : Construction	5,900	5,700	-200	-3.9	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	3,100	2,700	-400	-11.1	8.6	5.0
51 : Wholesale trade/commission trade, etc	3,500	2,900	-600	-18.2	-20.7	19.7
52 : Retail trade, except of motor vehicles	13,700	14,300	600	4.1	9.9	12.2
55 : Hotels and restaurants	7,600	8,900	1,300	17.7	9.3	12.4
60 : Land transport; transport via pipelines	4,100	1,500	-2,600	-63.2	-28.0	-8.8
61 : Water transport	*	*	n.a.	n.a.	n.a.	-47.3
62 : Air transport	*	*	n.a.	n.a.	n.a.	32.5
63 : Supporting/auxilliary transport,etc	2,400	2,400	0	2.5	6.4	19.4
64 : Post and telecommunications	3,200	1,900	-1,300	-39.1	-0.6	-1.5
65 : Financial intermediation, etc	4,200	2,700	-1,500	-36.9	-27.6	-8.0
66 : Insurance and pension funding, etc	2,100	1,600	-500	-24.8	-16.2	-3.0
67 : Act auxilliary financial intermediation	2,500	1,000	-1,500	-62.6	-51.9	16.8
70 : Real estate activities	1,600	1,800	200	11.8	37.9	59.7
71 : Renting machinery/equipment, etc	500	700	200	48.5	18.0	14.0
72 : Computing and related activities	*	1,700	n.a.	n.a.	56.8	137.1
73 : Research and development	*	*	n.a.	n.a.	n.a.	19.5
74 : Other business activities	16,500	18,000	1,500	9.1	4.0	35.1
75 : Public admin/defence; compulsory SS	23,100	18,500	-4,600	-19.9	-14.6	-2.3
80 : Education	14,500	13,900	-600	-4.0	-9.7	5.0
85 : Health and social work	20,700	20,800	100	0.1	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	*	n.a.	n.a.	n.a.	63.2
91 : Activities membership organisations nec	1,300	2,800	1,500	110.1	69.5	44.1
92 : Recreational, cultural and sporting	4,200	3,400	-800	-18.5	-5.9	4.8
93 : Other service activities	1,200	1,200	0	2.6	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-	-
Total Employees	153,100	143,100	-10,000	-6.5	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

5.4 Employment Change in North Tyneside 1991-98

Table 15: Employment Change in North Tyneside 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-48.9	143.0
C	Mining & quarrying	*	*	-	-	-93.7	-47.5
E	Utilities	*	*	-	-	-14.5	-37.3
	PRIMARY	700	300	-400	-57.1	-55.7	-27.4
D	MANUFACTURING #	16,400	21,200	4,800	29.3	16.7	-1.7
F	CONSTRUCTION	5,000	4,500	-500	-10.0	-2.8	6.7
G	Wholesale, retail	7,900	9,000	1,100	13.9	2.4	13.0
H	Hotels & restaurants	3,700	3,500	-200	-5.4	9.3	12.4
I	Transport & communication	2,200	1,600	-600	-27.3	-8.6	0.4
	CONSUMER SERVICES	13,700	14,100	400	2.9	1.4	10.1
J	Finance	1,000	700	-300	-30.0	-30.4	-2.8
K	Business Services	6,000	6,100	100	1.7	8.4	42.7
	FINANCE & BUSINESS	7,000	6,800	-200	-2.9	-0.8	29.0
L	Public administration	3,900	2,600	-1,300	-33.3	-14.6	-2.3
M	Education	6,800	4,200	-2,600	-38.2	-9.7	5.0
N	Health and social work	6,300	7,800	1,500	23.8	12.0	5.1
	PUBLIC SERVICES	17,100	14,700	-2,400	-14.0	-2.7	3.2
O	OTHER SERVICES	2,500	2,900	400	16.0	10.9	19.2
	TOTAL EMPLOYEES	62,400	64,400	2,000	3.2	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

The manufacturing total for 1998 is believed to be inflated by an error of about 7,500.

Table 16: Employment Change in North Tyneside 1991-98, SIC Division

Industry	1991	1998	Change	District % Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	*	0	n.a.	n.a.	n.a.	268.2
02 : Forestry, logging, etc	0	0	0	-	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	*	*	n.a.	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	*	0	n.a.	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	0	n.a.	n.a.	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-	-
13 : Mining of metal ores	0	0	0	-	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	n.a.	3.3
15 : Manuf food products and beverages #	*	8,300	n.a.	n.a.	120.4	-2.0
16 : Manuf tobacco products	0	0	0	-	n.a.	-24.8
17 : Manuf textiles	*	*	n.a.	n.a.	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	*	*	n.a.	n.a.	-35.6	-16.0
19 : Tanning/dressing of leather, etc	*	*	n.a.	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	*	*	n.a.	n.a.	-18.5	5.0
21 : Manuf pulp, paper and paper products	*	*	n.a.	n.a.	38.9	-1.4
22 : Publishing,printing, repro recorded media	*	500	n.a.	n.a.	-17.4	6.4
23 : Manuf coke, refined petroleum products	0	*	n.a.	n.a.	n.a.	-21.9
24 : Manuf chemicals and chemical products	*	*	n.a.	n.a.	6.2	-5.7
25 : Manuf rubber and plastic goods	*	1,900	n.a.	n.a.	68.9	28.5
26 : Manuf other non-metallic products	*	400	n.a.	n.a.	-23.4	-15.5
27 : Manuf basic metals	*	*	n.a.	n.a.	25.1	-14.4
28 : Manuf fabricated metal products, etc	1,500	3,400	1,900	131.2	22.6	-6.2
29 : Manuf machinery and equipment nec	*	500	n.a.	n.a.	-7.2	-13.1
30 : Manuf office machinery and computers	*	*	n.a.	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	*	*	n.a.	n.a.	63.2	28.5
32 : Manuf radio, tv/communications equipment	*	*	n.a.	n.a.	149.1	-6.7
33 : Manuf medical,precision instruments,etc	*	*	n.a.	n.a.	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	*	n.a.	n.a.	n.a.	20.7
35 : Manuf other transport equipment	*	*	n.a.	n.a.	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	*	700	n.a.	n.a.	52.7	22.1
37 : Recycling	0	*	n.a.	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	0	0	0	-	n.a.	-19.6
45 : Construction	5,000	4,500	-500	-10.6	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	1,000	1,400	400	42.3	8.6	5.0
51 : Wholesale trade/commission trade, etc	1,500	1,500	0	1.1	-20.7	19.7
52 : Retail trade, except of motor vehicles	5,500	6,100	600	12.3	9.9	12.2
55 : Hotels and restaurants	3,700	3,500	-200	-3.0	9.3	12.4
60 : Land transport; transport via pipelines	700	1,000	300	38.1	-28.0	-8.8
61 : Water transport	*	*	n.a.	n.a.	n.a.	-47.3
62 : Air transport	0	*	n.a.	n.a.	n.a.	32.5
63 : Supporting/auxilliary transport,etc	400	400	0	-19.5	6.4	19.4
64 : Post and telecommunications	900	300	-600	-72.3	-0.6	-1.5
65 : Financial intermediation, etc	700	600	-100	-21.8	-27.6	-8.0
66 : Insurance and pension funding, etc	*	*	n.a.	n.a.	-16.2	-3.0
67 : Act auxilliary financial intermediation	*	*	n.a.	n.a.	-51.9	16.8
70 : Real estate activities	400	700	300	61.1	37.9	59.7
71 : Renting machinery/equipment, etc	200	300	100	16.3	18.0	14.0
72 : Computing and related activities	*	500	n.a.	n.a.	56.8	137.1
73 : Research and development	*	*	n.a.	n.a.	n.a.	19.5
74 : Other business activities	4,000	4,100	100	2.3	4.0	35.1
75 : Public admin/defence; compulsory SS	3,900	2,600	-1,300	-32.5	-14.6	-2.3
80 : Education	6,800	4,200	-2,600	-38.3	-9.7	5.0
85 : Health and social work	6,300	7,800	1,500	23.4	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	*	n.a.	n.a.	n.a.	63.2
91 : Activities membership organisations nec	500	800	300	64.9	69.5	44.1
92 : Recreational, cultural and sporting	1,200	1,000	-200	-15.9	-5.9	4.8
93 : Other service activities	600	800	200	19.0	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-	-
Total Employees	62,400	64,400	2,000	3.2	1.9	8.5

Note: * data suppressed to maintain confidentiality

Food & Drink figures in North Tyneside are inflated by about 7,500 in 1998 by an apparent coding error.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

5.5 Employment Change in South Tyneside 1991-98

Table 17: Employment Change in South Tyneside 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-48.9	143.0
C	Mining & quarrying	*	*	-	-	-93.7	-47.5
E	Utilities	*	*	-	-	-14.5	-37.3
	PRIMARY	1,800	100	-1,700	-94.4	-55.7	-27.4
D	MANUFACTURING	8,900	10,500	1,600	18.0	16.7	-1.7
F	CONSTRUCTION	2,700	3,200	500	18.5	-2.8	6.7
G	Wholesale, retail	6,600	6,300	-300	-4.5	2.4	13.0
H	Hotels & restaurants	2,400	2,300	-100	-4.2	9.3	12.4
I	Transport & communication	1,900	1,800	-100	-5.3	-8.6	0.4
	CONSUMER SERVICES	11,000	10,500	-500	-4.5	1.4	10.1
J	Finance	600	400	-200	-33.3	-30.4	-2.8
K	Business Services	3,400	3,400	0	0.0	8.4	42.7
	FINANCE & BUSINESS	4,000	3,800	-200	-5.0	-0.8	29.0
L	Public administration	2,000	2,100	100	5.0	-14.6	-2.3
M	Education	3,400	3,500	100	2.9	-9.7	5.0
N	Health and social work	5,600	6,100	500	8.9	12.0	5.1
	PUBLIC SERVICES	11,000	11,700	700	6.4	-2.7	3.2
O	OTHER SERVICES	1,800	2,400	600	33.3	10.9	19.2
	TOTAL EMPLOYEES	41,300	42,200	900	2.2	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 18: Employment Change in South Tyneside 1991-98, SIC Division

Industry	1991	1998	Change	District % Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	0	0	0	-	n.a.	268.2
02 : Forestry, logging, etc	*	0	n.a.	n.a.	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	0	*	n.a.	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	*	0	n.a.	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	0	n.a.	n.a.	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-	-
13 : Mining of metal ores	0	0	0	-	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	n.a.	3.3
15 : Manuf food products and beverages	*	*	n.a.	n.a.	120.4	-2.0
16 : Manuf tobacco products	*	0	n.a.	n.a.	n.a.	-24.8
17 : Manuf textiles	*	*	n.a.	n.a.	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	*	*	n.a.	n.a.	-35.6	-16.0
19 : Tanning/dressing of leather, etc	*	*	n.a.	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	*	*	n.a.	n.a.	-18.5	5.0
21 : Manuf pulp, paper and paper products	*	*	n.a.	n.a.	38.9	-1.4
22 : Publishing,printing,repro recorded media	*	*	n.a.	n.a.	-17.4	6.4
23 : Manuf coke, refined petroleum products	0	0	0	-	n.a.	-21.9
24 : Manuf chemicals and chemical products	*	*	n.a.	n.a.	6.2	-5.7
25 : Manuf rubber and plastic goods	*	*	n.a.	n.a.	68.9	28.5
26 : Manuf other non-metallic products	*	*	n.a.	n.a.	-23.4	-15.5
27 : Manuf basic metals	*	*	n.a.	n.a.	25.1	-14.4
28 : Manuf fabricated metal products, etc	1,000	800	-200	-13.3	22.6	-6.2
29 : Manuf machinery and equipment nec	*	400	n.a.	n.a.	-7.2	-13.1
30 : Manuf office machinery and computers	*	*	n.a.	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	*	*	n.a.	n.a.	63.2	28.5
32 : Manuf radio, tv/communications equipment	*	*	n.a.	n.a.	149.1	-6.7
33 : Manuf medical,precision instruments,etc	*	*	n.a.	n.a.	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	*	n.a.	n.a.	n.a.	20.7
35 : Manuf other transport equipment	*	*	n.a.	n.a.	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	*	600	n.a.	n.a.	52.7	22.1
37 : Recycling	0	*	n.a.	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	0	0	0	-	n.a.	-19.6
45 : Construction	2,700	3,200	500	21.0	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	600	800	200	23.4	8.6	5.0
51 : Wholesale trade/commission trade, etc	1,000	900	-100	-11.5	-20.7	19.7
52 : Retail trade, except of motor vehicles	5,000	4,600	-400	-7.1	9.9	12.2
55 : Hotels and restaurants	2,400	2,300	-100	-4.1	9.3	12.4
60 : Land transport; transport via pipelines	*	500	n.a.	n.a.	-28.0	-8.8
61 : Water transport	*	*	n.a.	n.a.	n.a.	-47.3
62 : Air transport	0	*	n.a.	n.a.	n.a.	32.5
63 : Supporting/auxilliary transport,etc	800	900	100	15.9	6.4	19.4
64 : Post and telecommunications	*	*	n.a.	n.a.	-0.6	-1.5
65 : Financial intermediation, etc	500	300	-200	-33.1	-27.6	-8.0
66 : Insurance and pension funding, etc	*	*	n.a.	n.a.	-16.2	-3.0
67 : Act auxilliary financial intermediation	*	*	n.a.	n.a.	-51.9	16.8
70 : Real estate activities	200	300	100	58.5	37.9	59.7
71 : Renting machinery/equipment, etc	*	400	n.a.	n.a.	18.0	14.0
72 : Computing and related activities	*	200	n.a.	n.a.	56.8	137.1
73 : Research and development	0	*	n.a.	n.a.	n.a.	19.5
74 : Other business activities	3,000	2,600	-400	-12.3	4.0	35.1
75 : Public admin/defence; compulsory SS	2,000	2,100	100	4.0	-14.6	-2.3
80 : Education	3,400	3,500	100	1.5	-9.7	5.0
85 : Health and social work	5,600	6,100	500	10.1	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	*	n.a.	n.a.	n.a.	63.2
91 : Activities membership organisations nec	*	600	n.a.	n.a.	69.5	44.1
92 : Recreational, cultural and sporting	1,100	1,100	0	6.0	-5.9	4.8
93 : Other service activities	400	400	0	-13.8	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-	-
Total Employees	41,300	42,200	900	2.2	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

5.6 Employment Change in Sunderland 1991-98

Table 19: Employment Change in Sunderland 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-48.9	143.0
C	Mining & quarrying	*	*	-	-	-93.7	-47.5
E	Utilities	*	*	-	-	-14.5	-37.3
	PRIMARY	2,200	1,400	-800	-36.4	-55.7	-27.4
D	MANUFACTURING	21,900	28,200	6,300	28.8	16.7	-1.7
F	CONSTRUCTION	4,900	4,100	-800	-16.3	-2.8	6.7
G	Wholesale, retail	16,700	18,100	1,400	8.4	2.4	13.0
H	Hotels & restaurants	4,300	4,600	300	7.0	9.3	12.4
I	Transport & communication	4,400	4,900	500	11.4	-8.6	0.4
	CONSUMER SERVICES	25,400	27,600	2,200	8.7	1.4	10.1
J	Finance	2,200	2,000	-200	-9.1	-30.4	-2.8
K	Business Services	7,200	9,700	2,500	34.7	8.4	42.7
	FINANCE & BUSINESS	9,500	11,800	2,300	24.2	-0.8	29.0
L	Public administration	5,900	6,300	400	6.8	-14.6	-2.3
M	Education	8,000	8,700	700	8.8	-9.7	5.0
N	Health and social work	11,900	12,000	100	0.8	12.0	5.1
	PUBLIC SERVICES	25,700	27,000	1,300	5.1	-2.7	3.2
O	OTHER SERVICES	4,800	4,500	-300	-6.3	10.9	19.2
	TOTAL EMPLOYEES	94,400	104,700	10,300	10.9	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 20: Employment Change in Sunderland 1991-98, SIC Division

Industry	1991	1998	Change	District % Change	T&W % Change	GB % Change
01 : Agriculture, hunting, etc	0	0	0	-	n.a.	268.2
02 : Forestry, logging, etc	*	0	n.a.	n.a.	n.a.	14.8
05 : Fishing, operation fish hatcheries/farms	*	*	n.a.	n.a.	n.a.	17.0
10 : Mining coal/lignite; extraction of peat	*	*	n.a.	n.a.	n.a.	-79.5
11 : Extraction crude petroleum/natural gas	*	0	n.a.	n.a.	n.a.	-19.3
12 : Mining of uranium and thorium ores	0	0	0	-	-	-
13 : Mining of metal ores	0	0	0	-	n.a.	n.a.
14 : Other mining and quarrying	*	*	n.a.	n.a.	n.a.	3.3
15 : Manuf food products and beverages	*	1,600	n.a.	n.a.	120.4	-2.0
16 : Manuf tobacco products	0	0	0	-	n.a.	-24.8
17 : Manuf textiles	*	*	n.a.	n.a.	-28.1	-14.0
18 : Manuf apparel;dressing/dyeing fur	*	2,100	n.a.	n.a.	-35.6	-16.0
19 : Tanning/dressing of leather, etc	*	*	n.a.	n.a.	n.a.	-37.9
20 : Manuf wood/products/cork, etc	*	200	n.a.	n.a.	-18.5	5.0
21 : Manuf pulp, paper and paper products	*	*	n.a.	n.a.	38.9	-1.4
22 : Publishing,printing,repro recorded media	1,700	1,600	-100	-6.8	-17.4	6.4
23 : Manuf coke, refined petroleum products	*	*	n.a.	n.a.	n.a.	-21.9
24 : Manuf chemicals and chemical products	*	*	n.a.	n.a.	6.2	-5.7
25 : Manuf rubber and plastic goods	*	1,600	n.a.	n.a.	68.9	28.5
26 : Manuf other non-metallic products	*	800	n.a.	n.a.	-23.4	-15.5
27 : Manuf basic metals	*	*	n.a.	n.a.	25.1	-14.4
28 : Manuf fabricated metal products, etc	1,800	1,700	-100	-2.9	22.6	-6.2
29 : Manuf machinery and equipment nec	2,300	2,300	0	-0.1	-7.2	-13.1
30 : Manuf office machinery and computers	0	*	n.a.	n.a.	n.a.	3.5
31 : Manuf electrical machinery/apparatus nec	*	2,500	n.a.	n.a.	63.2	28.5
32 : Manuf radio, tv/communications equipment	*	*	n.a.	n.a.	149.1	-6.7
33 : Manuf medical,precision instruments,etc	*	100	n.a.	n.a.	-25.3	8.2
34 : Manuf motor vehicles,trailers,etc	*	7,100	n.a.	n.a.	n.a.	20.7
35 : Manuf other transport equipment	*	*	n.a.	n.a.	-59.5	-18.8
36 : Manuf furniture; manufacturing nec	*	2,000	n.a.	n.a.	52.7	22.1
37 : Recycling	*	*	n.a.	n.a.	n.a.	139.2
40 : Electricity,gas,steam/hot water supply	*	*	n.a.	n.a.	n.a.	-42.1
41 : Collection,purification/distri of water	0	*	n.a.	n.a.	n.a.	-19.6
45 : Construction	4,900	4,100	-800	-15.6	-2.8	6.7
50 : Sale,maintenance/repair motor vehicles	2,200	2,400	200	9.1	8.6	5.0
51 : Wholesale trade/commission trade, etc	3,100	2,900	-200	-5.1	-20.7	19.7
52 : Retail trade, except of motor vehicles	11,400	12,800	1,400	12.2	9.9	12.2
55 : Hotels and restaurants	4,300	4,600	300	6.6	9.3	12.4
60 : Land transport; transport via pipelines	1,900	2,100	200	10.1	-28.0	-8.8
61 : Water transport	*	*	n.a.	n.a.	n.a.	-47.3
62 : Air transport	0	0	0	-	n.a.	32.5
63 : Supporting/auxilliary transport,etc	700	800	100	27.8	6.4	19.4
64 : Post and telecommunications	1,800	2,000	200	8.5	-0.6	-1.5
65 : Financial intermediation, etc	1,500	1,200	-300	-21.1	-27.6	-8.0
66 : Insurance and pension funding, etc	300	*	n.a.	n.a.	-16.2	-3.0
67 : Act auxilliary financial intermediation	400	200	-200	-50.6	-51.9	16.8
70 : Real estate activities	500	700	200	41.6	37.9	59.7
71 : Renting machinery/equipment, etc	500	400	-100	-17.9	18.0	14.0
72 : Computing and related activities	*	1,200	n.a.	n.a.	56.8	137.1
73 : Research and development	*	*	n.a.	n.a.	n.a.	19.5
74 : Other business activities	5,800	7,400	1,600	27.2	4.0	35.1
75 : Public admin/defence; compulsory SS	5,900	6,300	400	7.0	-14.6	-2.3
80 : Education	8,000	8,700	700	9.5	-9.7	5.0
85 : Health and social work	11,900	12,000	100	1.3	12.0	5.1
90 : Sewage/refuse disposal, sanitation, etc	*	*	n.a.	n.a.	n.a.	63.2
91 : Activities membership organisations nec	900	1,000	100	7.0	69.5	44.1
92 : Recreational, cultural and sporting	2,400	2,500	100	3.8	-5.9	4.8
93 : Other service activities	1,200	900	-300	-27.4	-2.5	30.8
95 : Private households with employed persons	0	0	0	-	-	-
99 : Extra-territorial organisations/bodies	0	0	0	-	-	-
Total Employees	94,400	104,700	10,300	10.9	1.9	8.5

Note: * data suppressed to maintain confidentiality

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

APPENDIX

A1 CHANGE IN EMPLOYMENT STRUCTURE BY DISTRICT, 1991-98 (ALL BY SIC SECTION ONLY)

Table 21: Change in Men's Employment, Gateshead, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-46.4	107.2
C	Mining & quarrying	*	*	-	-	-94.6	-51.4
E	Utilities	*	*	-	-	-24.0	-40.3
	PRIMARY	500	100	-400	-80.0	-65.5	-35.9
D	MANUFACTURING	13,100	13,800	700	5.3	20.1	0.6
F	CONSTRUCTION	4,700	4,700	0	0.0	-7.2	4.2
G	Wholesale, retail	8,000	7,800	-200	-2.5	0.5	14.3
H	Hotels & restaurants	1,200	1,700	500	41.7	29.9	27.8
I	Transport & communication	3,700	4,300	600	16.2	-22.2	-5.8
	CONSUMER SERVICES	12,900	13,800	900	7.0	-3.3	9.6
J	Finance	500	700	200	40.0	-21.5	11.2
K	Business Services	4,600	3,500	-1,100	-23.9	-3.4	36.8
	FINANCE & BUSINESS	5,100	4,200	-900	-17.6	-6.7	29.9
L	Public administration	2,100	1,700	-400	-19.0	-12.8	-7.2
M	Education	1,700	1,100	-600	-35.3	-13.3	-5.9
N	Health and social work	800	1,800	1,000	125.0	39.3	23.4
	PUBLIC SERVICES	4,500	4,600	100	2.2	-1.5	0.6
O	OTHER SERVICES	1,300	1,600	300	23.1	19.9	21.1
	TOTAL EMPLOYEES	42,000	42,700	700	1.7	1.3	7.6

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 22: Change in Women's Employment, Gateshead, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-51.2	210.0
C	Mining & quarrying	*	*	-	-	-71.9	-7.3
E	Utilities	*	*	-	-	10.3	-27.0
	PRIMARY	100	0	-100	-100.0	-5.8	10.3
D	MANUFACTURING	4,200	4,600	400	9.5	7.8	-7.4
F	CONSTRUCTION	400	700	300	75.0	45.6	20.3
G	Wholesale, retail	8,800	8,800	0	0.0	3.6	11.5
H	Hotels & restaurants	2,700	2,800	100	3.7	-0.8	3.7
I	Transport & communication	900	1,600	700	77.8	41.7	19.8
	CONSUMER SERVICES	12,400	13,200	800	6.5	5.7	10.4
J	Finance	800	800	0	0.0	-35.9	-13.6
K	Business Services	3,500	3,700	200	5.7	22.2	48.6
	FINANCE & BUSINESS	4,300	4,400	100	2.3	5.1	27.8
L	Public administration	1,800	1,900	100	5.6	-16.3	3.5
M	Education	3,800	3,000	-800	-21.1	-8.0	9.7
N	Health and social work	4,300	7,100	2,800	65.1	6.3	1.2
	PUBLIC SERVICES	9,900	11,900	2,000	20.2	-3.2	4.3
O	OTHER SERVICES	1,400	1,900	500	35.7	4.4	17.3
	TOTAL EMPLOYEES	32,800	36,800	4,000	12.1	2.4	9.4

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 23: Change in Full Time Employment, Gateshead, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-55.1	159.9
C	Mining & quarrying	*	*	-	-	-94.1	-48.7
E	Utilities	*	*	-	-	-15.7	-38.9
	PRIMARY	600	100	-500	-83.3	-57.5	-29.7
D	MANUFACTURING	16,600	17,600	1,000	6.0	17.2	-0.9
F	CONSTRUCTION	5,000	5,200	200	4.0	-4.1	7.1
G	Wholesale, retail	11,100	10,000	-1,100	-9.9	-6.9	9.7
H	Hotels & restaurants	1,000	1,900	900	90.0	55.5	39.3
I	Transport & communication	4,100	5,300	1,200	29.3	-8.6	-0.6
	CONSUMER SERVICES	16,100	17,200	1,100	6.8	-1.7	10.1
J	Finance	1,000	1,300	300	30.0	-24.5	1.2
K	Business Services	5,000	4,700	-300	-6.0	3.0	30.2
	FINANCE & BUSINESS	6,000	6,000	0	0.0	-4.2	20.4
L	Public administration	3,400	2,800	-600	-17.6	-21.7	-7.4
M	Education	3,200	3,000	-200	-6.3	-19.2	1.1
N	Health and social work	2,100	4,900	2,800	133.3	25.7	15.4
	PUBLIC SERVICES	8,700	10,700	2,000	23.0	-6.1	3.2
O	OTHER SERVICES	1,700	2,200	500	29.4	13.5	18.9
	TOTAL EMPLOYEES	54,800	59,000	4,200	7.7	0.3	6.8

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 24: Change in Part Time Employment, Gateshead, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-	64.9
C	Mining & quarrying	*	*	-	-	-	27.0
E	Utilities	*	*	-	-	-	-3.1
	PRIMARY	*	*	-	-	-	21.6
D	MANUFACTURING	700	900	200	28.6	8.4	-12.6
F	CONSTRUCTION	100	200	100	100.0	33.0	0.7
G	Wholesale, retail	5,700	6,600	900	15.8	17.0	19.0
H	Hotels & restaurants	2,900	2,600	-300	-10.3	-9.8	-6.0
I	Transport & communication	500	500	0	0.0	-9.2	10.9
	CONSUMER SERVICES	9,100	9,700	600	6.6	6.3	9.8
J	Finance	300	200	-100	-33.3	-54.1	-28.7
K	Business Services	3,100	2,500	-600	-19.4	20.8	77.1
	FINANCE & BUSINESS	3,400	2,600	-800	-23.5	7.9	57.9
L	Public administration	400	700	300	75.0	42.7	29.6
M	Education	2,200	1,100	-1,100	-50.0	4.8	10.1
N	Health and social work	3,000	3,900	900	30.0	-3.5	-6.2
	PUBLIC SERVICES	5,600	5,800	200	3.6	4.0	3.1
O	OTHER SERVICES	1,000	1,200	200	20.0	6.8	19.1
	TOTAL EMPLOYEES	20,000	20,500	500	2.4	6.0	13.1

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 25: Change in Men's Employment, Newcastle, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-50.0	107.2
C	Mining & quarrying	*	*	-	-	-94.4	-51.4
E	Utilities	*	*	-	-	-24.0	-40.3
	PRIMARY	1,400	1,000	-400	-28.6	-66.1	-35.9
D	MANUFACTURING	8,600	8,300	-300	-3.5	20.1	0.6
F	CONSTRUCTION	5,400	4,900	-500	-9.3	-7.4	4.2
G	Wholesale, retail	8,500	8,200	-300	-3.5	0.7	14.3
H	Hotels & restaurants	2,800	3,700	900	32.1	29.6	27.8
I	Transport & communication	7,700	4,300	-3,400	-44.2	-22.3	-5.8
	CONSUMER SERVICES	19,100	16,200	-2,900	-15.2	-3.3	9.6
J	Finance	3,600	2,300	-1,300	-36.1	-22.2	11.2
K	Business Services	10,600	11,000	400	3.8	-3.3	36.8
	FINANCE & BUSINESS	14,200	13,300	-900	-6.3	-6.7	29.9
L	Public administration	9,900	8,800	-1,100	-11.1	-13.2	-7.2
M	Education	5,500	5,400	-100	-1.8	-13.0	-5.9
N	Health and social work	4,100	4,700	600	14.6	39.5	23.4
	PUBLIC SERVICES	19,600	18,900	-700	-3.6	-1.5	0.6
O	OTHER SERVICES	3,200	3,300	100	3.1	19.0	21.1
	TOTAL EMPLOYEES	71,300	66,000	-5,400	-7.5	1.3	7.6

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 26: Change in Women's Employment, Newcastle, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-51.2	210.0
C	Mining & quarrying	*	*	-	-	-71.9	-7.3
E	Utilities	*	*	-	-	10.3	-27.0
	PRIMARY	600	400	-200	-33.3	-5.8	10.3
D	MANUFACTURING	3,900	3,200	-700	-17.9	7.8	-7.4
F	CONSTRUCTION	500	800	300	60.0	45.6	20.3
G	Wholesale, retail	11,800	11,700	-100	-0.8	3.6	11.5
H	Hotels & restaurants	4,700	5,200	500	10.6	-0.8	3.7
I	Transport & communication	2,500	2,800	300	12.0	41.7	19.8
	CONSUMER SERVICES	19,000	19,700	700	3.7	5.7	10.4
J	Finance	5,300	2,900	-2,400	-45.3	-35.9	-13.6
K	Business Services	9,600	11,300	1,700	17.7	22.2	48.6
	FINANCE & BUSINESS	14,900	14,200	-700	-4.7	5.1	27.8
L	Public administration	13,200	9,700	-3,500	-26.5	-16.3	3.5
M	Education	8,900	8,500	-400	-4.5	-8.0	9.7
N	Health and social work	16,600	16,100	-500	-3.0	6.3	1.2
	PUBLIC SERVICES	38,700	34,200	-4,500	-11.6	-3.2	4.3
O	OTHER SERVICES	4,100	4,600	500	12.2	4.4	17.3
	TOTAL EMPLOYEES	81,800	77,100	-4,700	-5.7	2.4	9.4

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 27: Change in Full Time Employment, Newcastle, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-55.1	159.9
C	Mining & quarrying	*	*	-	-	-94.1	-48.7
E	Utilities	*	*	-	-	-15.7	-38.9
	PRIMARY	1,900	1,400	-500	-26.3	-57.5	-29.7
D	MANUFACTURING	11,300	10,800	-500	-4.4	17.2	-0.9
F	CONSTRUCTION	5,800	5,300	-500	-8.6	-4.1	7.1
G	Wholesale, retail	13,100	11,600	-1,500	-11.5	-6.9	9.7
H	Hotels & restaurants	2,900	3,800	900	31.0	55.5	39.3
I	Transport & communication	9,500	6,400	-3,100	-32.6	-8.6	-0.6
	CONSUMER SERVICES	25,500	21,800	-3,700	-14.5	-1.7	10.1
J	Finance	7,300	4,600	-2,700	-37.0	-24.5	1.2
K	Business Services	14,900	16,000	1,100	7.4	3.0	30.2
	FINANCE & BUSINESS	22,200	20,600	-1,600	-7.2	-4.2	20.4
L	Public administration	20,800	15,600	-5,200	-25.0	-21.7	-7.4
M	Education	9,000	6,900	-2,100	-23.3	-19.2	1.1
N	Health and social work	12,200	13,100	900	7.4	25.7	15.4
	PUBLIC SERVICES	41,900	35,600	-6,300	-15.0	-6.1	3.2
O	OTHER SERVICES	4,800	5,100	300	6.3	13.5	18.9
	TOTAL EMPLOYEES	113,400	100,700	-12,700	-11.2	0.3	6.8

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 28: Change in Part Time Employment, Newcastle, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-	64.9
C	Mining & quarrying	*	*	-	-	-	27.0
E	Utilities	*	*	-	-	9.6	-3.1
	PRIMARY	100	0	-100	-100.0	5.2	21.6
D	MANUFACTURING	1,100	700	-400	-36.4	8.4	-12.6
F	CONSTRUCTION	200	400	200	100.0	33.0	0.7
G	Wholesale, retail	7,200	8,300	1,100	15.3	17.0	19.0
H	Hotels & restaurants	4,700	5,000	300	6.4	-9.8	-6.0
I	Transport & communication	700	700	0	0.0	-9.2	10.9
	CONSUMER SERVICES	12,600	14,000	1,400	11.1	6.3	9.8
J	Finance	1,600	600	-1,000	-62.5	-54.1	-28.7
K	Business Services	5,300	6,300	1,000	18.9	20.8	77.1
	FINANCE & BUSINESS	6,900	6,900	0	0.0	7.9	57.9
L	Public administration	2,300	2,900	600	26.1	42.7	29.6
M	Education	5,500	6,900	1,400	25.5	4.8	10.1
N	Health and social work	8,600	7,700	-900	-10.5	-3.5	-6.2
	PUBLIC SERVICES	16,300	17,500	1,200	7.4	4.0	3.1
O	OTHER SERVICES	2,500	2,800	300	12.0	6.8	19.1
	TOTAL EMPLOYEES	39,700	42,300	2,600	6.6	6.0	13.1

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 29: Change in Men's Employment, North Tyneside, 1991-98, SIC Sections #

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-46.4	107.2
C	Mining & quarrying	*	*	-	-	-94.6	-51.4
E	Utilities	*	*	-	-	-24.0	-40.3
	PRIMARY	500	200	-300	-60.0	-65.5	-35.9
D	MANUFACTURING #	12,700	16,500	3,800	29.9	20.1	0.6
F	CONSTRUCTION	4,600	3,900	-700	-15.2	-7.2	4.2
G	Wholesale, retail	3,400	4,000	600	17.6	0.5	14.3
H	Hotels & restaurants	1,200	1,400	200	16.7	29.9	27.8
I	Transport & communication	1,700	1,200	-500	-29.4	-22.2	-5.8
	CONSUMER SERVICES	6,300	6,600	300	4.8	-3.3	9.6
J	Finance	300	300	0	0.0	-21.5	11.2
K	Business Services	3,700	2,900	-800	-21.6	-3.4	36.8
	FINANCE & BUSINESS	4,000	3,200	-800	-20.0	-6.7	29.9
L	Public administration	1,900	1,200	-700	-36.8	-12.8	-7.2
M	Education	1,700	1,000	-700	-41.2	-13.3	-5.9
N	Health and social work	900	1,700	800	88.9	39.3	23.4
	PUBLIC SERVICES	4,500	3,900	-600	-13.3	-1.5	0.6
O	OTHER SERVICES	900	1,200	300	33.3	19.9	21.1
	TOTAL EMPLOYEES #	33,500	35,500	2,000	5.9	1.3	7.6

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 30: Change in Women's Employment, North Tyneside, 1991-98, SIC Sections #

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-51.2	210.0
C	Mining & quarrying	*	*	-	-	-71.9	-7.3
E	Utilities	*	*	-	-	10.3	-27.0
	PRIMARY	200	100	-100	-50.0	-5.8	10.3
D	MANUFACTURING #	3,800	4,700	900	23.7	7.8	-7.4
F	CONSTRUCTION	300	600	300	100.0	45.6	20.3
G	Wholesale, retail	4,500	5,000	500	11.1	3.6	11.5
H	Hotels & restaurants	2,500	2,200	-300	-12.0	-0.8	3.7
I	Transport & communication	500	400	-100	-20.0	41.7	19.8
	CONSUMER SERVICES	7,500	7,500	0	0.0	5.7	10.4
J	Finance	600	400	-200	-33.3	-35.9	-13.6
K	Business Services	2,300	3,200	900	39.1	22.2	48.6
	FINANCE & BUSINESS	3,000	3,600	600	20.0	5.1	27.8
L	Public administration	2,000	1,400	-600	-30.0	-16.3	3.5
M	Education	5,100	3,200	-1,900	-37.3	-8.0	9.7
N	Health and social work	5,400	6,100	700	13.0	6.3	1.2
	PUBLIC SERVICES	12,600	10,700	-1,900	-15.1	-3.2	4.3
O	OTHER SERVICES	1,600	1,600	0	0.0	4.4	17.3
	TOTAL EMPLOYEES #	28,900	28,900	0	-0.1	2.4	9.4

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Note that the North Tyneside Manufacturing and Total figures are inflated by at least 5,000 in 1998 by the apparent error in Food Manufacture. It is not known how this error is apportioned between men, women, full-timers and part-timers.

Table 31: Change in Full Time Employment, North Tyneside, 1991-98, SIC Sections #

				District		T&W	GB
		1991	1998	Change	% Change	% Change	% Change
A,B	Agriculture, fishing	*	*	-	-	-55.1	159.9
C	Mining & quarrying	*	*	-	-	-94.1	-48.7
E	Utilities	*	*	-	-	-15.7	-38.9
	PRIMARY	700	300	-400	-57.1	-57.5	-29.7
D	MANUFACTURING #	15,200	20,200	5,000	32.9	17.2	-0.9
F	CONSTRUCTION	4,800	4,300	-500	-10.4	-4.1	7.1
G	Wholesale, retail	4,500	5,100	600	13.3	-6.9	9.7
H	Hotels & restaurants	1,000	1,400	400	40.0	55.5	39.3
I	Transport & communication	1,800	1,500	-300	-16.7	-8.6	-0.6
	CONSUMER SERVICES	7,300	8,000	700	9.6	-1.7	10.1
J	Finance	700	600	-100	-14.3	-24.5	1.2
K	Business Services	4,600	3,400	-1,200	-26.1	3.0	30.2
	FINANCE & BUSINESS	5,400	4,000	-1,400	-25.9	-4.2	20.4
L	Public administration	3,200	2,100	-1,100	-34.4	-21.7	-7.4
M	Education	2,900	1,100	-1,800	-62.1	-19.2	1.1
N	Health and social work	3,000	4,400	1,400	46.7	25.7	15.4
	PUBLIC SERVICES	9,100	7,600	-1,500	-16.5	-6.1	3.2
O	OTHER SERVICES	1,300	1,700	400	30.8	13.5	18.9
	TOTAL EMPLOYEES #	43,700	46,000	2,300	5.2	0.3	6.8

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 32: Change in Part Time Employment, North Tyneside, 1991-98, SIC Sections #

				District		T&W	GB
		1991	1998	Change	% Change	% Change	% Change
A,B	Agriculture, fishing	*	*	-	-	-	64.9
C	Mining & quarrying	*	*	-	-	-	27.0
E	Utilities	*	*	-	-	9.6	-3.1
	PRIMARY	100	0	-100	-100.0	5.2	21.6
D	MANUFACTURING #	1,200	1,100	-100	-8.3	8.4	-12.6
F	CONSTRUCTION	200	200	0	0.0	33.0	0.7
G	Wholesale, retail	3,400	3,800	400	11.8	17.0	19.0
H	Hotels & restaurants	2,700	2,200	-500	-18.5	-9.8	-6.0
I	Transport & communication	400	100	-300	-75.0	-9.2	10.9
	CONSUMER SERVICES	6,400	6,100	-300	-4.7	6.3	9.8
J	Finance	200	100	-100	-50.0	-54.1	-28.7
K	Business Services	1,400	2,700	1,300	92.9	20.8	77.1
	FINANCE & BUSINESS	1,600	2,800	1,200	75.0	7.9	57.9
L	Public administration	700	600	-100	-14.3	42.7	29.6
M	Education	3,900	3,100	-800	-20.5	4.8	10.1
N	Health and social work	3,400	3,400	0	0.0	-3.5	-6.2
	PUBLIC SERVICES	8,000	7,100	-900	-11.3	4.0	3.1
O	OTHER SERVICES	1,200	1,100	-100	-8.3	6.8	19.1
	TOTAL EMPLOYEES #	18,700	18,400	-300	-1.6	6.0	13.1

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Note that the North Tyneside Manufacturing and Total figures are inflated by at least 5,000 in 1998 by the apparent error in Food Manufacture. It is not known how this error is apportioned between men, women, full-timers and part-timers.

Table 33: Change in Men's Employment, South Tyneside, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-46.4	107.2
C	Mining & quarrying	*	*	-	-	-94.6	-51.4
E	Utilities	*	*	-	-	-24.0	-40.3
	PRIMARY	1,800	100	-1,700	-94.4	-65.5	-35.9
D	MANUFACTURING	6,300	7,500	1,200	19.0	20.1	0.6
F	CONSTRUCTION	2,500	3,000	500	20.0	-7.2	4.2
G	Wholesale, retail	2,400	2,300	-100	-4.2	0.5	14.3
H	Hotels & restaurants	700	900	200	28.6	29.9	27.8
I	Transport & communication	1,700	1,200	-500	-29.4	-22.2	-5.8
	CONSUMER SERVICES	4,700	4,400	-300	-6.4	-3.3	9.6
J	Finance	200	200	0	0.0	-21.5	11.2
K	Business Services	1,300	1,500	200	15.4	-3.4	36.8
	FINANCE & BUSINESS	1,500	1,700	200	13.3	-6.7	29.9
L	Public administration	1,100	1,200	100	9.1	-12.8	-7.2
M	Education	1,100	1,000	-100	-9.1	-13.3	-5.9
N	Health and social work	900	1,100	200	22.2	39.3	23.4
	PUBLIC SERVICES	3,000	3,300	300	10.0	-1.5	0.6
O	OTHER SERVICES	600	1,200	600	100.0	19.9	21.1
	TOTAL EMPLOYEES	20,400	21,000	600	3.0	1.3	7.6

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 34: Change in Women's Employment, South Tyneside, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-51.2	210.0
C	Mining & quarrying	*	*	-	-	-71.9	-7.3
E	Utilities	*	*	-	-	10.3	-27.0
	PRIMARY	*	*	-	-	-5.8	10.3
D	MANUFACTURING	2,700	3,000	300	11.1	7.8	-7.4
F	CONSTRUCTION	200	300	100	50.0	45.6	20.3
G	Wholesale, retail	4,200	4,100	-100	-2.4	3.6	11.5
H	Hotels & restaurants	1,700	1,400	-300	-17.6	-0.8	3.7
I	Transport & communication	200	600	400	200.0	41.7	19.8
	CONSUMER SERVICES	6,200	6,100	-100	-1.6	5.7	10.4
J	Finance	400	200	-200	-50.0	-35.9	-13.6
K	Business Services	2,100	1,900	-200	-9.5	22.2	48.6
	FINANCE & BUSINESS	2,500	2,100	-400	-16.0	5.1	27.8
L	Public administration	900	900	0	0.0	-16.3	3.5
M	Education	2,400	2,500	100	4.2	-8.0	9.7
N	Health and social work	4,700	5,000	300	6.4	6.3	1.2
	PUBLIC SERVICES	8,000	8,500	500	6.3	-3.2	4.3
O	OTHER SERVICES	1,200	1,200	0	0.0	4.4	17.3
	TOTAL EMPLOYEES	20,900	21,200	300	1.7	2.4	9.4

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 35: Change in Full Time Employment, South Tyneside, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-55.1	159.9
C	Mining & quarrying	*	*	-	-	-94.1	-48.7
E	Utilities	*	*	-	-	-15.7	-38.9
	PRIMARY	1,800	100	-1,700	-94.4	-57.5	-29.7
D	MANUFACTURING	8,500	9,900	1,400	16.5	17.2	-0.9
F	CONSTRUCTION	2,600	3,100	500	19.2	-4.1	7.1
G	Wholesale, retail	3,800	3,400	-400	-10.5	-6.9	9.7
H	Hotels & restaurants	400	900	500	125.0	55.5	39.3
I	Transport & communication	1,700	1,700	0	0.0	-8.6	-0.6
	CONSUMER SERVICES	5,900	6,000	100	1.7	-1.7	10.1
J	Finance	400	300	-100	-25.0	-24.5	1.2
K	Business Services	1,700	1,900	200	11.8	3.0	30.2
	FINANCE & BUSINESS	2,100	2,200	100	4.8	-4.2	20.4
L	Public administration	1,800	1,700	-100	-5.6	-21.7	-7.4
M	Education	2,400	2,300	-100	-4.2	-19.2	1.1
N	Health and social work	2,600	3,500	900	34.6	25.7	15.4
	PUBLIC SERVICES	6,800	7,500	700	10.3	-6.1	3.2
O	OTHER SERVICES	1,000	1,500	500	50.0	13.5	18.9
	TOTAL EMPLOYEES	28,800	30,300	1,500	5.4	0.3	6.8

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 36: Change in Part Time Employment, South Tyneside, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-	64.9
C	Mining & quarrying	*	*	-	-	-	27.0
E	Utilities	*	*	-	-	9.6	-3.1
	PRIMARY	0	0	0	-	5.2	21.6
D	MANUFACTURING	400	500	100	25.0	8.4	-12.6
F	CONSTRUCTION	100	100	0	0.0	33.0	0.7
G	Wholesale, retail	2,800	2,900	100	3.6	17.0	19.0
H	Hotels & restaurants	2,000	1,400	-600	-30.0	-9.8	-6.0
I	Transport & communication	200	200	0	0.0	-9.2	10.9
	CONSUMER SERVICES	5,100	4,500	-600	-11.8	6.3	9.8
J	Finance	200	100	-100	-50.0	-54.1	-28.7
K	Business Services	1,700	1,500	-200	-11.8	20.8	77.1
	FINANCE & BUSINESS	1,900	1,600	-300	-15.8	7.9	57.9
L	Public administration	200	400	200	100.0	42.7	29.6
M	Education	1,100	1,200	100	9.1	4.8	10.1
N	Health and social work	3,000	2,700	-300	-10.0	-3.5	-6.2
	PUBLIC SERVICES	4,200	4,300	100	2.4	4.0	3.1
O	OTHER SERVICES	900	900	0	0.0	6.8	19.1
	TOTAL EMPLOYEES	12,500	11,900	-600	-4.8	6.0	13.1

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 37: Change in Men's Employment, Sunderland, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-46.4	107.2
C	Mining & quarrying	*	*	-	-	-94.6	-51.4
E	Utilities	*	*	-	-	-24.0	-40.3
	PRIMARY	2,000	800	-1,200	-60.0	-65.5	-35.9
D	MANUFACTURING	14,700	20,300	5,600	38.1	20.1	0.6
F	CONSTRUCTION	4,500	3,700	-800	-17.8	-7.2	4.2
G	Wholesale, retail	6,600	6,800	200	3.0	0.5	14.3
H	Hotels & restaurants	1,200	1,600	400	33.3	29.9	27.8
I	Transport & communication	3,600	3,300	-300	-8.3	-22.2	-5.8
	CONSUMER SERVICES	11,500	11,700	200	1.7	-3.3	9.6
J	Finance	800	800	0	0.0	-21.5	11.2
K	Business Services	4,200	4,600	400	9.5	-3.4	36.8
	FINANCE & BUSINESS	5,000	5,500	500	10.0	-6.7	29.9
L	Public administration	3,200	2,900	-300	-9.4	-12.8	-7.2
M	Education	2,400	2,100	-300	-12.5	-13.3	-5.9
N	Health and social work	1,900	2,800	900	47.4	39.3	23.4
	PUBLIC SERVICES	7,500	7,800	300	4.0	-1.5	0.6
O	OTHER SERVICES	1,900	2,200	300	15.8	19.9	21.1
	TOTAL EMPLOYEES	47,100	52,000	4,900	10.4	1.3	7.6

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 38: Change in Women's Employment, Sunderland, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-51.2	210.0
C	Mining & quarrying	*	*	-	-	-71.9	-7.3
E	Utilities	*	*	-	-	10.3	-27.0
	PRIMARY	200	700	500	250.0	-5.8	10.3
D	MANUFACTURING	7,200	7,900	700	9.7	7.8	-7.4
F	CONSTRUCTION	400	400	0	0.0	45.6	20.3
G	Wholesale, retail	10,000	11,300	1,300	13.0	3.6	11.5
H	Hotels & restaurants	3,100	3,000	-100	-3.2	-0.8	3.7
I	Transport & communication	800	1,600	800	100.0	41.7	19.8
	CONSUMER SERVICES	13,900	15,900	2,000	14.4	5.7	10.4
J	Finance	1,400	1,200	-200	-14.3	-35.9	-13.6
K	Business Services	3,000	5,100	2,100	70.0	22.2	48.6
	FINANCE & BUSINESS	4,500	6,300	1,800	40.0	5.1	27.8
L	Public administration	2,700	3,400	700	25.9	-16.3	3.5
M	Education	5,600	6,600	1,000	17.9	-8.0	9.7
N	Health and social work	9,900	9,200	-700	-7.1	6.3	1.2
	PUBLIC SERVICES	18,200	19,200	1,000	5.5	-3.2	4.3
O	OTHER SERVICES	2,900	2,300	-600	-20.7	4.4	17.3
	TOTAL EMPLOYEES	47,300	52,700	5,400	11.4	2.4	9.4

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 39: Change in Full Time Employment, Sunderland, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-55.1	159.9
C	Mining & quarrying	*	*	-	-	-94.1	-48.7
E	Utilities	*	*	-	-	-15.7	-38.9
	PRIMARY	2,200	1,300	-900	-40.9	-57.5	-29.7
D	MANUFACTURING	20,800	26,400	5,600	26.9	17.2	-0.9
F	CONSTRUCTION	4,700	4,000	-700	-14.9	-4.1	7.1
G	Wholesale, retail	9,600	9,000	-600	-6.3	-6.9	9.7
H	Hotels & restaurants	1,200	1,900	700	58.3	55.5	39.3
I	Transport & communication	4,000	4,500	500	12.5	-8.6	-0.6
	CONSUMER SERVICES	14,700	15,400	700	4.8	-1.7	10.1
J	Finance	1,700	1,700	0	0.0	-24.5	1.2
K	Business Services	5,400	6,500	1,100	20.4	3.0	30.2
	FINANCE & BUSINESS	7,100	8,200	1,100	15.5	-4.2	20.4
L	Public administration	5,300	4,800	-500	-9.4	-21.7	-7.4
M	Education	5,500	5,300	-200	-3.6	-19.2	1.1
N	Health and social work	6,400	7,200	800	12.5	25.7	15.4
	PUBLIC SERVICES	17,200	17,300	100	0.6	-6.1	3.2
O	OTHER SERVICES	2,700	2,500	-200	-7.4	13.5	18.9
	TOTAL EMPLOYEES	69,500	75,000	5,500	7.9	0.3	6.8

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved

Table 40: Change in Part Time Employment, Sunderland, 1991-98, SIC Sections

		1991	1998	Change	District % Change	T&W % Change	GB % Change
A,B	Agriculture, fishing	*	*	-	-	-	64.9
C	Mining & quarrying	*	*	-	-	-	27.0
E	Utilities	*	*	-	-	9.6	-3.1
	PRIMARY	0	200	200	-	5.2	21.6
D	MANUFACTURING	1,100	1,800	700	63.6	8.4	-12.6
F	CONSTRUCTION	200	200	0	0.0	33.0	0.7
G	Wholesale, retail	7,100	9,000	1,900	26.8	17.0	19.0
H	Hotels & restaurants	3,200	2,800	-400	-12.5	-9.8	-6.0
I	Transport & communication	400	400	0	0.0	-9.2	10.9
	CONSUMER SERVICES	10,700	12,200	1,500	14.0	6.3	9.8
J	Finance	500	300	-200	-40.0	-54.1	-28.7
K	Business Services	1,900	3,200	1,300	68.4	20.8	77.1
	FINANCE & BUSINESS	2,400	3,500	1,100	45.8	7.9	57.9
L	Public administration	600	1,500	900	150.0	42.7	29.6
M	Education	2,500	3,500	1,000	40.0	4.8	10.1
N	Health and social work	5,400	4,800	-600	-11.1	-3.5	-6.2
	PUBLIC SERVICES	8,500	9,700	1,200	14.1	4.0	3.1
O	OTHER SERVICES	2,000	2,000	0	0.0	6.8	19.1
	TOTAL EMPLOYEES	24,900	29,600	4,700	18.9	6.0	13.1

Note: * data suppressed to maintain confidentiality.

Source: ONS (NOMIS) CE 1991 & AES 1998, Crown Copyright Reserved