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Road Freight Transport Survey

1995-2001

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Note

Rounding: Due to the fact that individual figures have been rounded independently there may be slight discrepancies between the sum of the constituent items and the totals shown.

Chapter 1

Introduction

Introduction

This report contains the results of the “National Survey of Transport of Goods by Road” carried out for the years 1995 to 2001. The Surveys were conducted as part of an EU-wide project. The surveys from 1995 to 1998 were carried out in accordance with EC Directives 78/546 and 89/462 on statistical returns in respect of carriage of goods by road as part of regional statistics. The surveys from 1999 onwards were carried out in accordance with Council Regulation (EC) 1172/98 on statistical returns in respect of the carriage of goods by road.

During each year information was collected concerning one week’s transport activity for a random sample of goods vehicles. The sample was spread evenly over each week in the year. The sample data has been grossed to the level of the national fleet to provide estimates for road freight transport activity by all goods vehicles in each survey year.

The CSO wishes to place on record its thanks to and appreciation of the co-operation received from the vehicle owners who responded to the survey. The survey questionnaire and instructions are shown in Appendix E.

The principal measures used in this report to assess transport activity are:

- (a) the weight of goods carried (given in tonnes);
and
- (b) the quantity of work done (given in tonne-kilometres). (*See definitions used, page 117*).

This report gives a more detailed analysis of the survey data from 1999 to 2001, incorporating revisions to 1999 data. Summary tables are included for the years 1995 to 1998. Detailed tables for these years are available on request.

Scope of Survey

The report covers the survey periods beginning on 1 January and ending on 31 December for each year from 1995 to 2001. Irish registered vehicles belonging to the motor taxation class *goods vehicles with an unladen weight of 2 tonnes and over* came within the scope of the survey. This contrasts to Road Freight Surveys before 1990 where all Irish registered vehicles in the class *goods vehicles* were covered.

No other vehicles were covered. In particular this meant that vehicles in other motor taxation classes such as agricultural tractors, general haulage tractors, dumpers and exempt vehicles (i.e. vehicles exempt from liability to pay road tax which include state owned, diplomatic, fire services or disabled drivers) were not included.

All activity of goods vehicles within the scope of the survey engaged in the carriage of goods, either on own account or for hire or reward, on the public road was covered. Excluded, therefore, was activity such as site work off the public road or work of a mainly service nature (e.g. carriage of personnel to or from places of work).

Goods Vehicle Activity 1995-2001

Chart 1: Number of goods vehicles with unladen weight of 2 tonnes and over by year

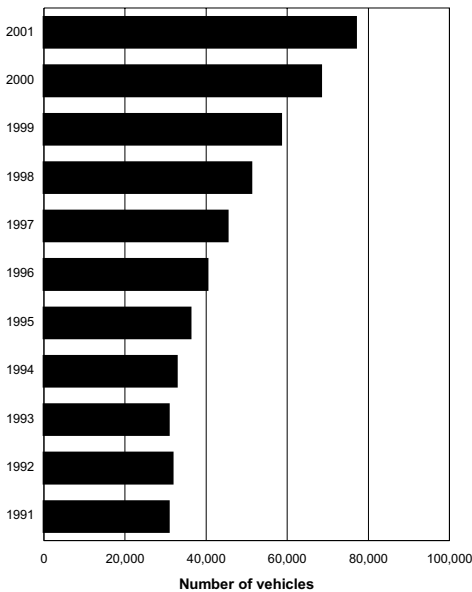
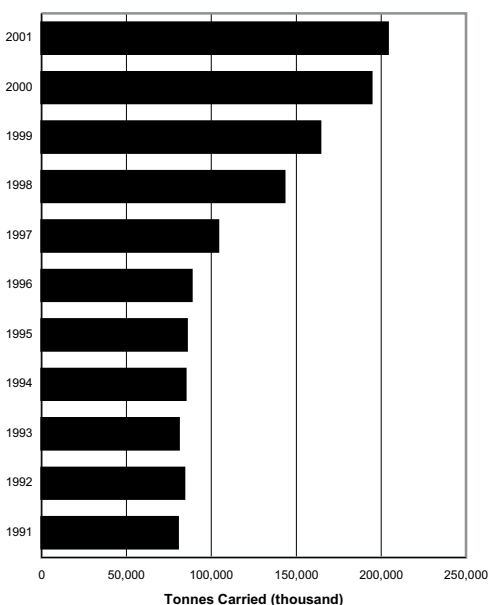


Chart 2: Weight of goods carried by year



In 1995, the first reference year covered by this publication, Irish registered goods vehicles transported a total of 85.3 million tonnes of goods by road. By 2001, the figure had increased to 203.8 million tonnes. A growth of 139%. The weight of goods transported annually has been growing constantly since 1994 but began to rise more sharply from 1997 onwards, reaching its highest point to date in 2001. The largest year on year increase was between 1997 and 1998 when the weight of goods transported increased by 38% from 103.8 million tonnes to 142.9 million tonnes.

The average number of goods vehicles of 2 tonnes and over unladen weight under current licence has also been growing constantly since 1994. Between 1995 and 2001, the number of these goods vehicles, rose by approximately 113% from 36,107 to 76,875. The most significant year on year increase was between 1999 and 2000 when the fleet size increased by almost 17%.

Activity in terms of tonne-kilometres over the seven year period increased by 126%, indicating that not only are there more goods vehicles on the road but the average activity per vehicle also increased. The weight of goods carried between 1995 and 2001 increased by 139% while vehicle kilometres increased by 71%. This indicates that on average loads carried are becoming heavier but weekly distances travelled have become shorter. The greatest year on year increase for activity in tonne-kilometres was between 1998 and 1999 when the figure increased by 25%, for vehicle kilometres the largest increase was between 1995 and 1996 when the figure rose by almost 21%.

Table A.1 shows a record of the main figures for the last 11 years. (See Charts 1 and 2).

Table A.1

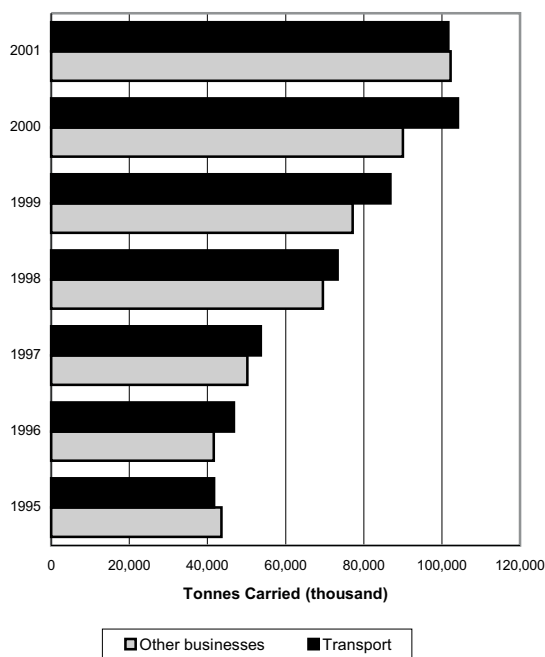
Year	Tonne-Kilometres	Tonnes Carried	Vehicle Kilometres	Average Number of Vehicles
	<i>million</i>	<i>thousand</i>	<i>million</i>	
1991	5,138	80,137	811	30,666
1992	5,150	83,851	815	31,657
1993	5,095	80,761	807	30,669
1994	5,258	84,587	826	32,669
1995	5,493	85,317	974	36,107
1996	6,316	88,322	1,175	40,255
1997	6,998	103,836	1,208	45,256
1998	8,203	142,911	1,344	51,037
1999	10,275	163,972	1,452	58,388
2000	12,348	194,135	1,657	68,278
2001	12,405	203,849	1,668	76,875

Business of Owner

In the "Business of Owner" classification, "Transport" covers both licensed hauliers and other hauliers. All activity of vehicles owned by transport businesses was classified to "Transport" even if vehicle activity was mainly for the own account transport of the business. Likewise, all activity of vehicles owned by non-transport businesses was classified to the "Other" heading even if the vehicle was used for hire or reward.

The overall trend for tonnes carried, activity in tonne-kilometres and vehicle kilometres, for both transport and other business types, was

Chart 3: Weight of goods carried by type of business and year



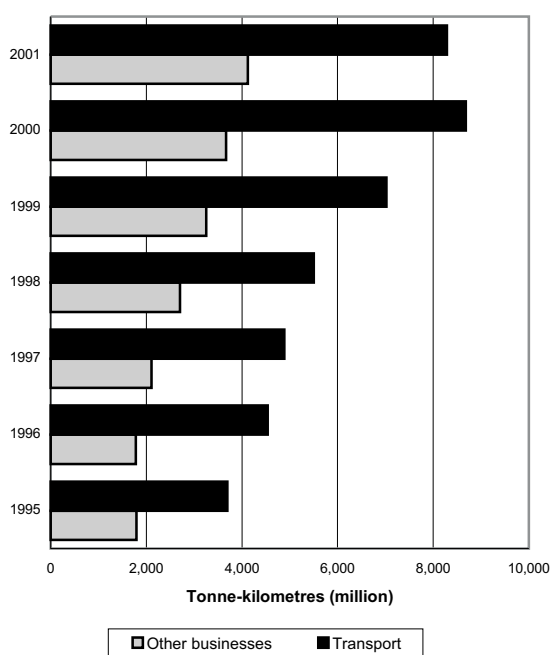
upwards. The ratios between figures for transport businesses and other businesses have changed slightly from year to year but did not vary significantly over the seven-year period 1995 - 2001. There was a small drop in the figures for tonnes carried and tonne-kilometres by other businesses between 1995 and 1996 but since then values rose towards their highest point to date, 2001. The figure for vehicle kilometres by other businesses has increased every year from 1995. The most notable year on year increases for transport by other business types were as follows; activity in tonne-kilometres increased by 28% between 1997 and 1998, weight of goods carried increased by 39% between 1997 and 1998 and vehicle kilometres increased by about 13% from 1994 to 1995 and again between 1997 and 1998.

The figures for weight of goods carried and tonne-kilometres by transport businesses increased every year from 1995 to 2000 where they reached their highest point before falling again slightly in 2001. The most significant year on year increase for tonne-kilometres by transport businesses was between 1998 and 1999 when the figure rose by about 28%. For weight of goods carried by transport businesses the greatest year on year increase was between 1997 and 1998 with an increase of almost 37%. The figure for vehicle kilometres by transport businesses increased between 1995 and 1996 and then dropped from 1996 to 1997. Vehicle kilometres then rose every year until they reached their peak in 2000 before dropping by a small amount in 2001. The largest year on year increase in this case was between 1995 and 1996 when the figure rose by about 32%. (See Table B.1 and Charts 3 and 4).

Table B.1

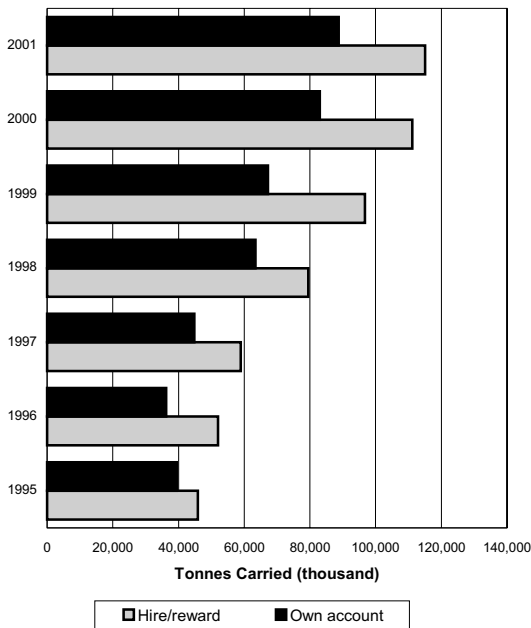
Business of Owner		Tonne-Kilometres	Tonnes Carried		Vehicle Kilometres		
		<i>million</i>	<i>%</i>	<i>thousand</i>	<i>%</i>	<i>million</i>	<i>%</i>
1995	Transport	3,698	67.3	41,717	48.9	466	47.8
	Other	1,795	32.7	43,599	51.1	508	52.2
Total		5,493	100.0	85,317	100.0	974	100.0
1996	Transport	4,536	71.8	46,733	52.9	617	52.5
	Other	1,781	28.2	41,589	47.1	558	47.5
Total		6,316	100.0	88,322	100.0	1,175	100.0
1997	Transport	4,887	69.8	53,640	51.7	599	49.6
	Other	2,111	30.2	50,196	48.3	609	50.4
Total		6,998	100.0	103,836	100.0	1,208	100.0
1998	Transport	5,500	67.0	73,347	51.3	654	48.7
	Other	2,703	33.0	69,564	48.7	689	51.3
Total		8,203	100.0	142,911	100.0	1,344	100.0
1999	Transport	7,019	68.3	86,842	53.0	753	51.9
	Other	3,255	31.7	77,131	47.0	698	48.1
Total		10,275	100.0	163,972	100.0	1,452	100.0
2000	Transport	8,679	70.3	104,149	53.6	895	54.0
	Other	3,669	29.7	89,987	46.4	762	46.0
Total		12,348	100.0	194,135	100.0	1,657	100.0
2001	Transport	8,284	66.8	101,644	49.9	877	52.6
	Other	4,121	33.2	102,205	50.1	791	47.4
Total		12,405	100.0	203,849	100.0	1,668	100.0

Chart 4: Activity in tonne-kilometres by type of business and year



Main use of vehicle

Chart 5: Weight of goods carried by main use of vehicle and year



The "Main Use of Vehicle" classification is independent of the business of owner of the vehicle. Figures for tonnes carried, activity in tonne-kilometres and vehicle kilometres, for both own account transport and hire or reward transport, have on the whole, been rising from 1995 to 2001. Overall, during this time period the ratios between them have remained similar.

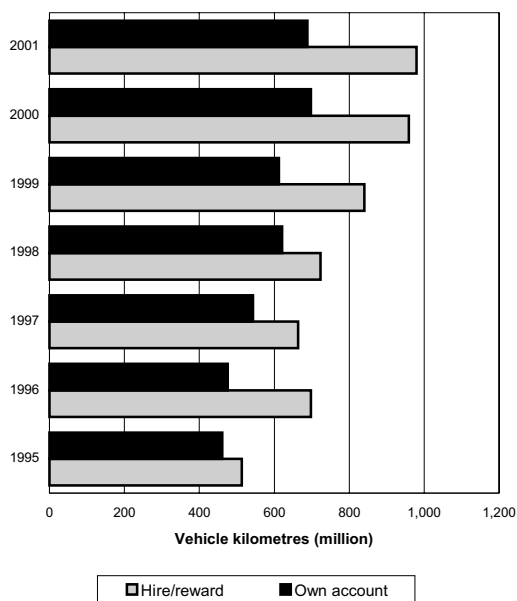
Activity in tonne-kilometres for hire or reward transport increased every year from 1995 and peaked at 9,016 million in 2000. The weight of goods carried on hire or reward transport has grown every year from 1995 to 2001. The total vehicle kilometres travelled on hire or reward transport dropped between 1996 and 1997 but increased every year since to reach it's highest point of 980 million in 2001. The largest year on year increases for hire or reward transport were as follows; between 1998 and 1999 activity in tonne-kilometres increased by 29%, between 1997 and 1998 the weight of goods carried increased by 35% and between 1995 and 1996 total vehicle kilometres increased by 36%.

Activity in tonne-kilometres and weight of goods carried on own account transport dropped slightly in 1996 compared to 1995 but have grown every year since. The figure for vehicle kilometres travelled on own account transport increased every year until 1998, it then dropped in 1999 and increased to reach it's highest value of 698 million in 2000. The most significant year on year increases for own account transport were between 1997 and 1998 when activity in tonne-kilometres increased by 31%, weight of goods carried increased by 42% and vehicle kilometres increased by 14%. (See Table C.1 and Charts 5 and 6).

Table C.1

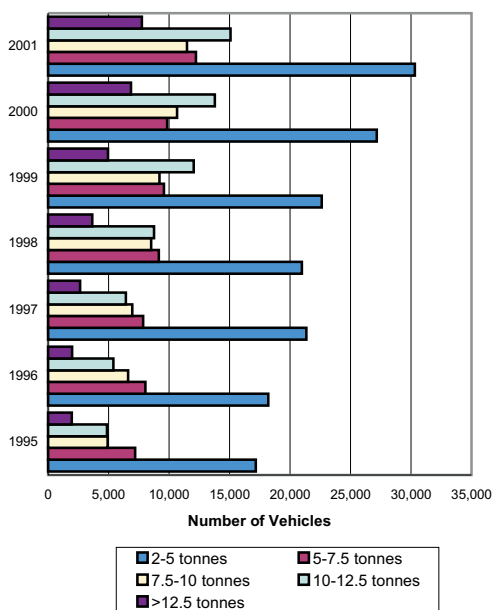
	Main Use of Vehicle	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres	
		million	%	thousand	%	million	%
1995	Hire/Reward	3,918	71.3	45,862	53.8	513	52.7
	Own Account	1,575	28.7	39,455	46.2	461	47.3
	Total	5,493	100.0	85,317	100.0	974	100.0
1996	Hire/Reward	4,812	76.2	52,038	58.9	698	59.4
	Own Account	1,504	23.8	36,284	41.1	476	40.5
	Total	6,316	100.0	88,322	100.0	1,175	100.0
1997	Hire/Reward	5,188	74.1	58,986	56.8	664	55.0
	Own Account	1,810	25.9	44,850	43.2	543	45.0
	Total	6,998	100.0	103,836	100.0	1,208	100.0
1998	Hire/Reward	5,824	71.0	79,451	55.6	723	53.8
	Own Account	2,379	29.0	63,459	44.4	621	46.2
	Total	8,203	100.0	142,911	100.0	1,344	100.0
1999	Hire/Reward	7,510	73.1	96,758	59.0	840	57.9
	Own Account	2,765	26.9	67,214	41.0	612	42.1
	Total	10,275	100.0	163,972	100.0	1,452	100.0
2000	Hire/Reward	9,016	73.0	111,170	57.3	959	57.9
	Own Account	3,332	27.0	82,965	42.7	698	42.1
	Total	12,348	100.0	194,135	100.0	1,657	100.0
2001	Hire/Reward	8,849	71.3	115,059	56.4	980	58.8
	Own Account	3,556	28.7	88,790	43.6	688	41.2
	Total	12,405	100.0	203,849	100.0	1,668	100.0

Chart 6: Vehicle kilometres travelled by main use of vehicle and year



Size of Vehicles in Fleet

Chart 7: Number of vehicles in each size category by year



It can be seen from chart 7 that the size profile of the vehicles in the national fleet is changing. In 1995 vehicles in the 2-5 tonnes unladen weight category accounted for 48% of the national fleet, by 2001 these vehicles accounted for just 39% of the fleet. Over the same time period the largest vehicles, those of over 12.5 tonnes unladen weight increased their share of the fleet size from 5% to 10%. The percentage of vehicles in the size category 10-12.5 tonnes has also increased from 13% to 20% over the same period. (See Table G.1 and Chart 7).

As the largest vehicles increased their share of the fleet size, the percentage of the total weight of goods carried by them also increased. Vehicles of over 12.5 tonnes unladen weight carried 17% of the total weight of goods in 1995, by 2001 they accounted for 29%. The percentage of the total weight of goods carried by the smaller vehicles in the 2-5 tonnes and 5-7.5 tonnes unladen weight categories has gone down by almost half over the same time period.

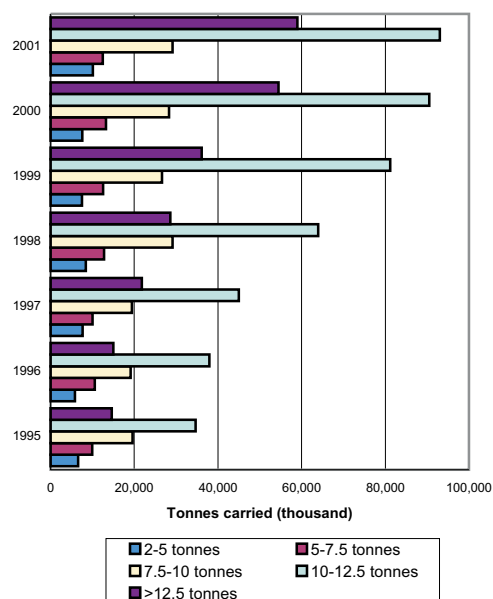
Similar patterns can be observed for vehicle kilometres. In 1995, vehicles of over 12.5 tonnes unladen weight accounted for 11% of total vehicle kilometres, by 2001 they accounted for 20% of the total. Vehicles in the 2-5 tonnes unladen weight category travelled 27% of the total vehicle kilometres in 1995 compared with 18% in 2001.

The decrease in the percentage of activity carried out by the vehicles in the 2-5 tonnes unladen weight category has been insignificant over the seven years covered. These vehicles accounted for 5% of the total in 1995 and 4% in 2001. Vehicles of over 12.5 tonnes unladen weight were responsible for 19% of the total activity in 1995, by 2001 these vehicles were responsible for 28% of the total. (See Table D.1 and Chart 8).

Table D.1

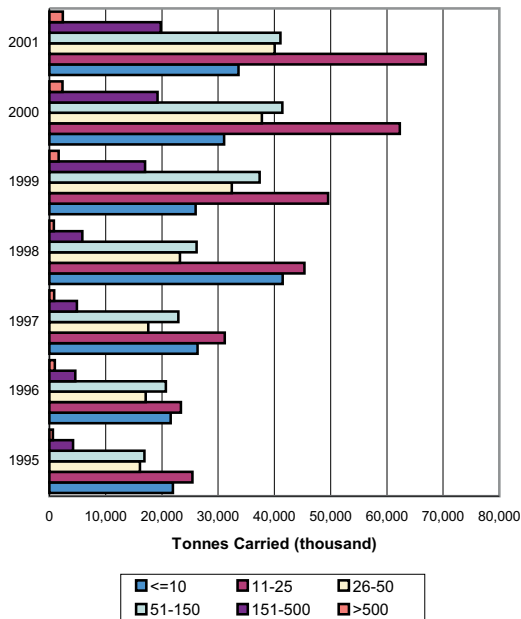
Unladen weight (tonnes)	Year						
	1995	1996	1997	1998	1999	2000	2001
Tonne-Kilometres (million)							
2-5	251	278	340	401	388	383	439
5-7.5	496	558	486	555	627	669	736
7.5-10	1,186	1,196	1,386	1,555	1,520	1,777	1,776
10-12.5	2,536	3,074	3,322	3,894	5,328	6,054	5,998
Over 12.5	1,024	1,210	1,465	1,798	2,411	3,465	3,456
Total	5,493	6,316	6,998	8,203	10,275	12,348	12,405
Tonnes Carried (thousand)							
2-5	6,603	5,789	7,665	8,445	7,507	7,548	10,133
5-7.5	9,911	10,530	9,995	12,754	12,567	13,269	12,505
7.5-10	19,560	19,100	19,405	29,113	26,593	28,334	29,160
10-12.5	34,647	37,919	44,992	63,950	81,206	90,493	93,050
Over 12.5	14,596	14,984	21,779	28,649	36,099	54,492	59,001
Total	85,317	88,322	103,836	142,911	163,972	194,135	203,849
Vehicle Kilometres (million)							
2-5	264	349	358	321	294	315	308
5-7.5	157	182	165	195	172	165	188
7.5-10	175	213	225	264	239	271	270
10-12.5	273	313	319	391	514	584	575
Over 12.5	105	118	141	172	233	321	327
Total	974	1,175	1,208	1,344	1,452	1,657	1,668

Chart 8: Weight of goods carried by size of vehicle and year



Length of Haul

Chart 9: Weight of goods carried by length of haul and year



From 1995 to 2001 journeys of 25km or less have always accounted for between 41% and 45% of total vehicle kilometres. However, the percentage of vehicle kilometres travelled on longer journeys has increased significantly over this time. In 1995, journeys of 151km or greater accounted for about 22% of total vehicle kilometres, by 2001, 32% of vehicle kilometres were covered on these journeys.

When the weight of goods carried is analysed by length of haul, it can be seen that between 1995 and 2001 the highest percentage of the total weight has always been carried on journeys of 25km or less. This percentage has varied over the seven years, reaching it's highest point at 61% in 1998 and it's lowest at 46% in 1999. The percentage of weight of goods transported on the longest journeys, those of 151km or longer, almost doubled between 1995 and 2001. About 6% of the total weight of goods was transported on these journeys in 1995 while the figure was about 11% in 2001.

From 1995 to 1998, each year approximately half of total activity in tonne-kilometres was carried out on journeys of between 26 and 150km. From 1999 onwards the percentage of activity carried out on journeys of 151km or longer increased to over 50% reaching it's highest point at 53% in 2000. (See Table E.1 and Charts 9 and 10).

Table E.1

Length of Haul (Km.)	Year						
	1995	1996	1997	1998	1999	2000	2001
Tonne-Kilometres (million)							
Up to 10	176	179	216	347	154	155	169
11-25	551	536	716	1,046	781	988	1,075
26-50	749	790	841	1,088	1,113	1,299	1,400
51-150	1,965	2,333	2,601	2,940	3,006	3,377	3,352
151-500	1,223	1,363	1,442	1,636	3,627	4,200	4,233
Over 500	829	1,116	1,181	1,146	1,593	2,329	2,176
Total	5,493	6,316	6,998	8,203	10,275	12,348	12,405
Tonnes carried (thousand)							
Up to 10	21,974	21,558	26,346	41,503	25,998	31,050	33,616
11-25	25,456	23,370	31,180	45,372	49,575	62,324	66,892
26-50	16,107	17,135	17,599	23,193	32,407	37,784	40,084
51-150	16,920	20,683	22,940	26,181	37,373	41,430	41,082
151-500	4,206	4,631	4,900	5,851	16,994	19,219	19,802
Over 500	654	946	873	812	1,625	2,329	2,373
Total	85,317	88,322	103,836	142,911	163,972	194,135	203,849
Vehicle Kilometres (million)							
Up to 10	354	411	416	497	552	622	642
11-25	65	65	86	108	71	81	84
26-50	97	109	110	138	101	114	116
51-150	243	334	339	350	281	306	296
151-500	154	169	176	170	333	377	373
Over 500	61	87	82	80	113	156	158
Total	974	1,175	1,208	1,344	1,452	1,657	1,668

Chart 10: Vehicle kilometres travelled by length of haul and year

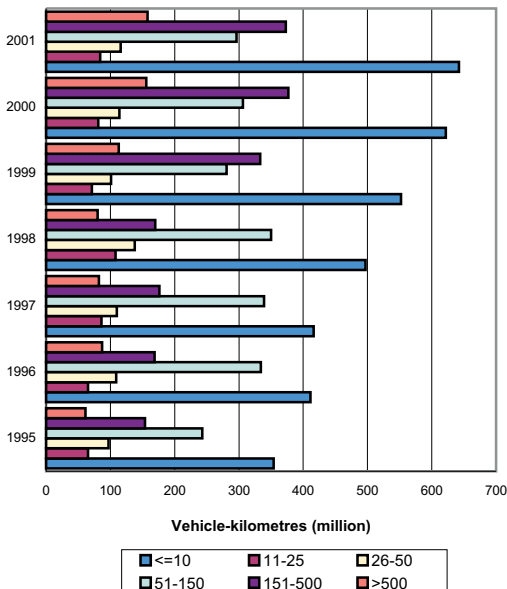


Chart 11: Tonnes Carried by Commodity 1999

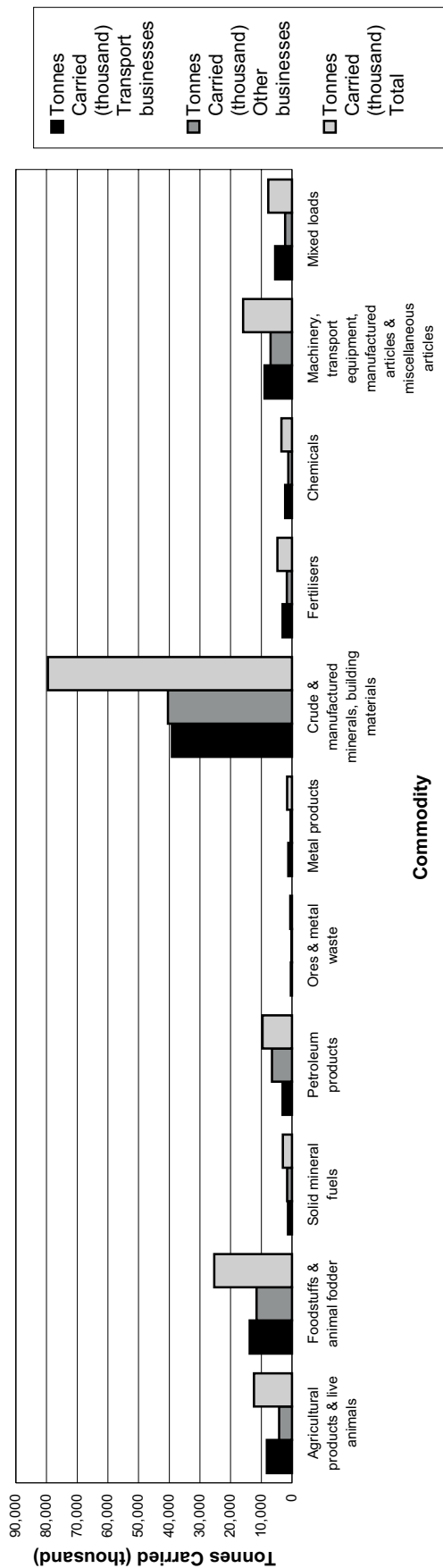
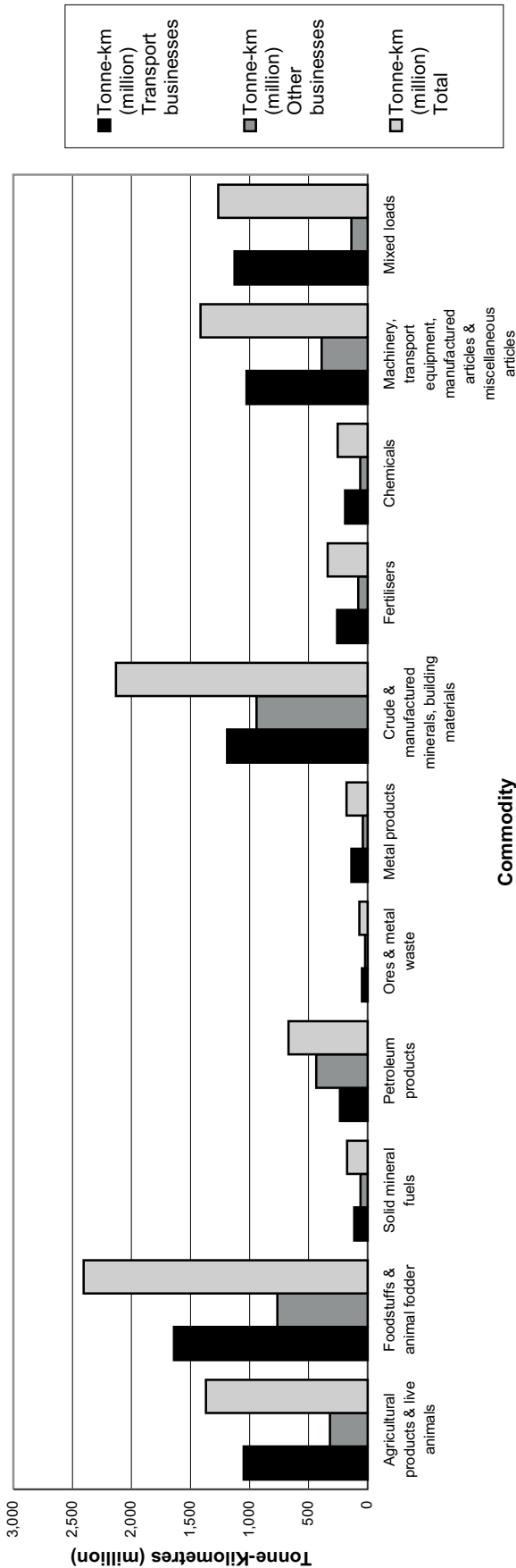


Chart 12: Tonne-Kilometres by Commodity 1999



Commodity by Business of Owner

The commodity data below is classified according to the chapter headings of the Standard Goods Classification for Transport Statistics of the European Union (NST/R), the composition of which is shown in Appendix D.

Table F.1 1999

Commodity	Transport Businesses		Other Businesses		Total	
	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried
	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>
Agricultural Products & Live						
Animals	1,049	8,204	320	4,219	1,370	12,423
Foodstuffs and Animal						
Fodder	1,640	13,812	764	11,551	2,404	25,363
Solid Mineral Fuels	114	1,335	60	1,616	174	2,951
Petroleum Products	234	3,038	436	6,559	669	9,597
Ores and Metal Waste	49	393	22	196	71	589
Metal Products	138	1,179	42	441	180	1,620
Crude and Manufactured						
Minerals, Building Materials	1,190	39,122	941	40,430	2,131	79,552
Fertilisers	260	3,101	79	1,654	339	4,756
Chemicals	191	2,245	64	1,209	255	3,454
Machinery, Transport						
Equipment, Manufactured						
Articles & Miscellaneous						
Articles	1,027	8,940	389	7,030	1,416	15,969
Mixed Loads	1,127	5,473	139	2,226	1,266	7,699
Total	7,019	86,842	3,255	77,131	10,275	163,972

In 1999, about 49% of the total tonnage of goods carried were in the commodity group *Crude and Manufactured Minerals, Building Materials*. In terms of tonnes carried this was the largest group for both transport businesses and other businesses. Due to the short length of haul involved in this group, its importance in terms of tonne-kilometres was lower at 21%. The group *Foodstuffs and Animal Fodder* accounted for 15% of tonnes carried and was the largest group in terms of tonne-kilometres with a 23% share of the total. The two graphs on the opposite page show tonnes carried and tonne-kilometres broken down by commodity. (See *Charts 11 and 12*).

Chart 13: Tonnes Carried by Commodity 2000

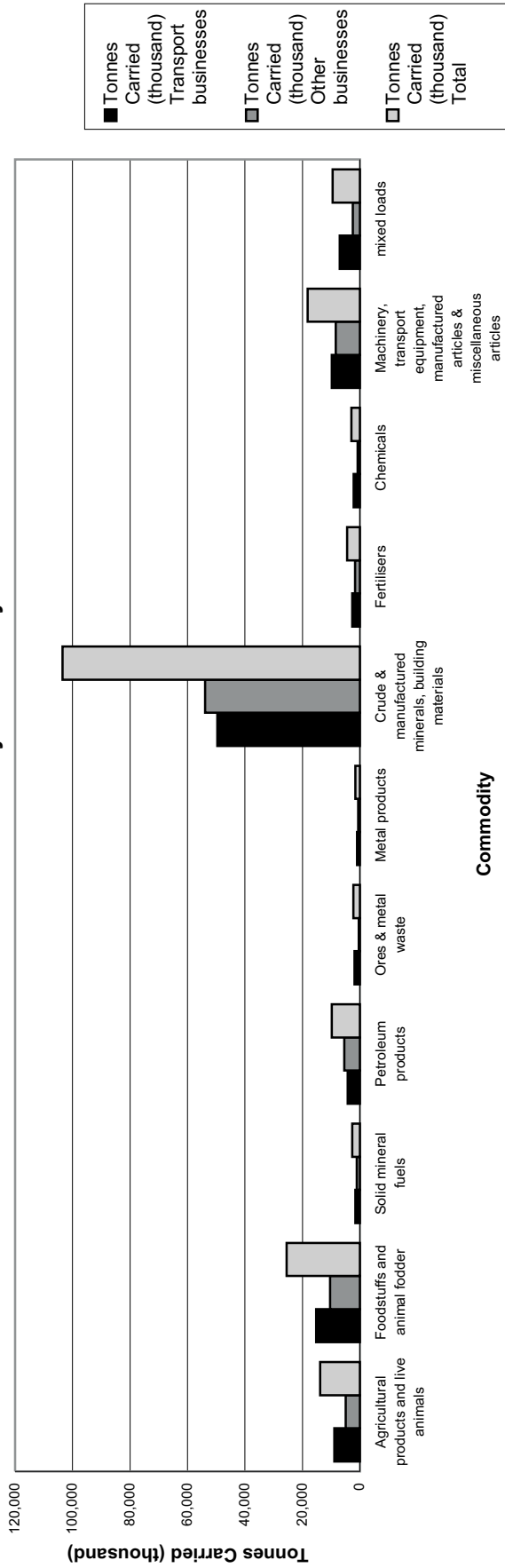


Chart 14: Tonne-Kilometres by Commodity 2000

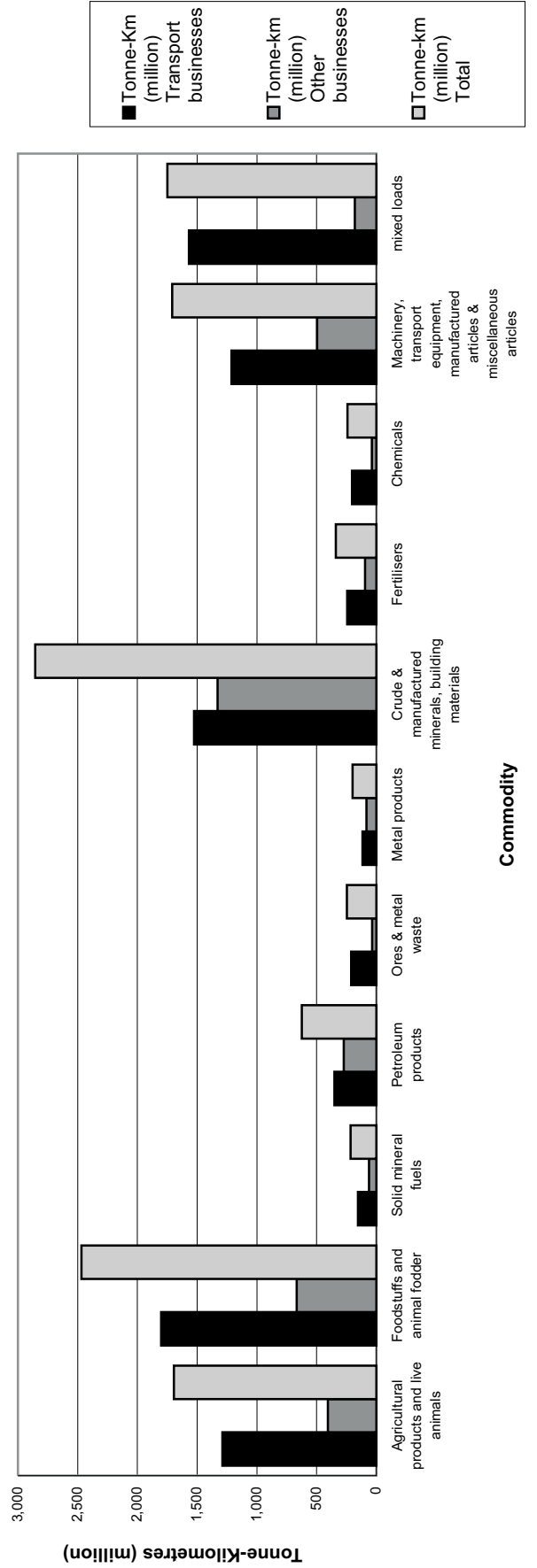


Table F.2 2000

Commodity	Transport Businesses		Other Businesses		Total	
	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried
	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>
Agricultural Products & Live Animals	1,288	8,879	406	4,923	1,694	13,802
Foodstuffs and Animal Fodder	1,801	15,191	668	10,330	2,469	25,521
Solid Mineral Fuels	155	1,599	62	1,096	217	2,696
Petroleum Products	351	4,279	274	5,481	625	9,760
Ores and Metal Waste	211	1,840	36	410	247	2,251
Metal Products	116	990	84	558	199	1,548
Crude and Manufactured Minerals, Building Materials	1,527	49,647	1,328	53,860	2,855	103,507
Fertilisers	244	2,692	96	1,716	340	4,408
Chemicals	203	2,169	39	785	242	2,954
Machinery, Transport Equipment, Manufactured Articles & Miscellaneous						
Articles	1,213	9,823	497	8,371	1,710	18,195
Mixed Loads	1,569	7,039	180	2,455	1,750	9,494
Total	8,679	104,149	3,669	89,987	12,348	194,135

In 2000, *Crude and Manufactured Minerals, Building Materials* was the largest commodity group in terms of weight of goods carried, accounting for 53% of the total. It was the largest group for both transport businesses and other businesses in terms of tonnes carried. Its importance in terms of total tonne-kilometres was lower at 23%. The group *Foodstuffs and Animal Fodder* accounted for 13% of total tonnes carried and was the second largest group in terms of tonne-kilometres with a 20% share of the total. In terms of tonne kilometres it was the largest group for transport businesses and the second largest group for other businesses. The two graphs on the opposite page show tonnes carried and tonne-kilometres broken down by commodity. (See Charts 13 and 14).

Chart 15: Tonnes Carried by Commodity 2001

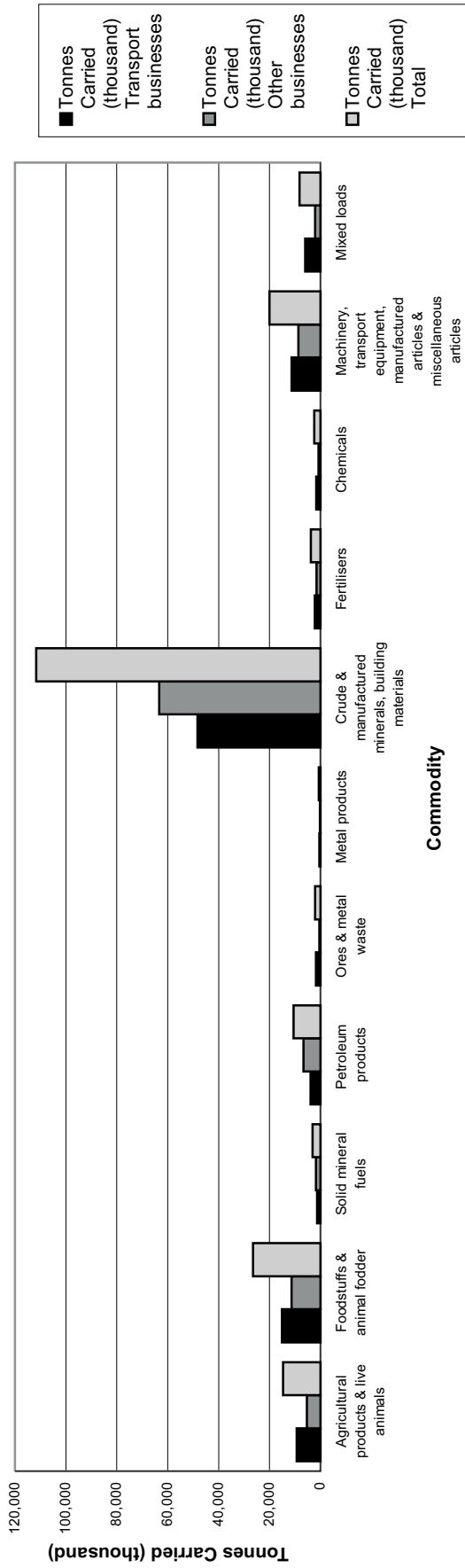


Chart 16: Tonne-Kilometres by Commodity 2001

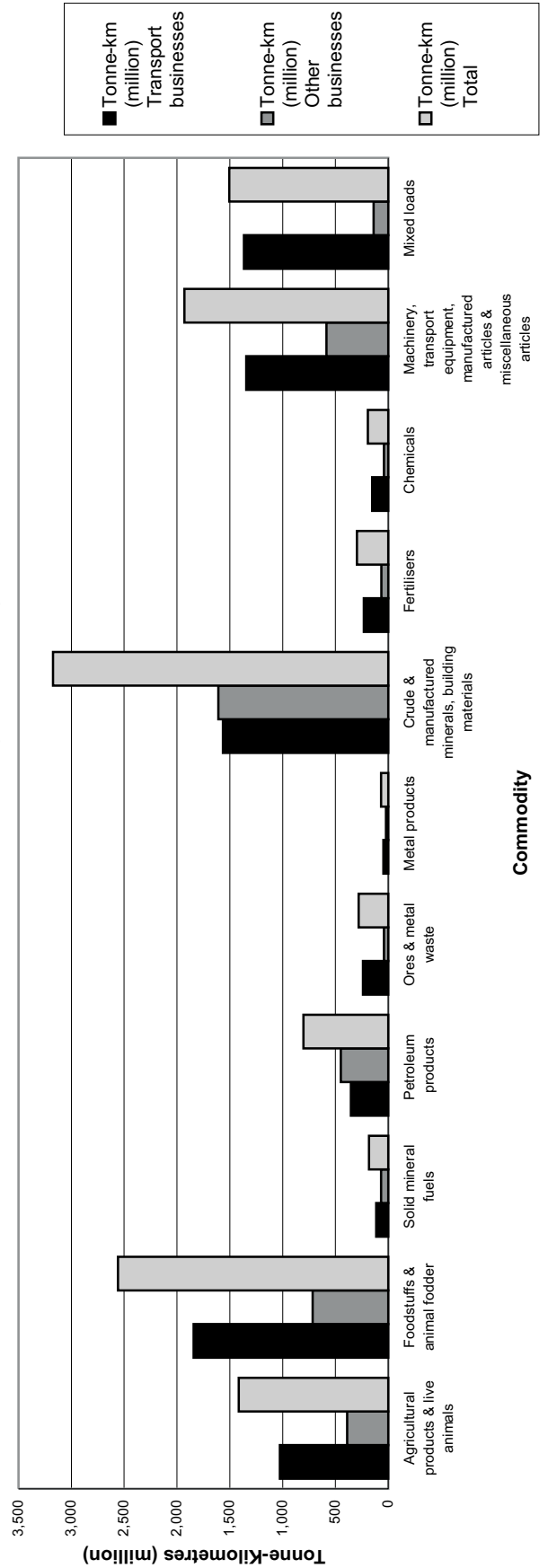


Table F.3 2001

Commodity	Transport Businesses		Other Businesses		Total	
	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried	Tonne- Kilometres	Tonnes Carried
	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>
Agricultural Products & Live Animals	1,026	9,354	388	5,289	1,414	14,643
Foodstuffs and Animal Fodder	1,843	15,166	716	11,365	2,558	26,531
Solid Mineral Fuels	115	1,368	68	1,762	183	3,130
Petroleum Products	354	3,945	450	6,628	804	10,574
Ores and Metal Waste	240	1,765	40	395	280	2,160
Metal Products	47	413	21	255	68	668
Crude and Manufactured Minerals, Building Materials	1,566	48,285	1,608	63,315	3,174	111,600
Fertilisers	232	2,229	66	1,532	298	3,761
Chemicals	152	1,705	41	793	193	2,498
Machinery, Transport Equipment, Manufactured Articles & Miscellaneous						
Articles	1,345	11,348	584	8,729	1,929	20,077
Mixed Loads	1,365	6,066	139	2,142	1,504	8,208
Total	8,284	101,644	4,121	102,205	12,405	203,849

About 55% of the total tonnage of goods carried in 2001 were in the commodity group *Crude and Manufactured Minerals, Building Materials*. It was by far the largest group in terms of tonnes carried for both transport businesses and other businesses accounting for about 48% and 62% of the totals respectively. Similar to the two previous years this group had a smaller share of the total tonne kilometres (26%) but was still the largest group in 2001. The group *Foodstuffs and Animal Fodder* accounted for 13% of total tonnes carried and was the second largest group in terms of tonne-kilometres with a 21% share of the total. It was the largest group in terms of tonne kilometres for transport businesses. The two graphs on the opposite page show tonnes carried and tonne-kilometres broken down by commodity. (See Charts 15 and 16).

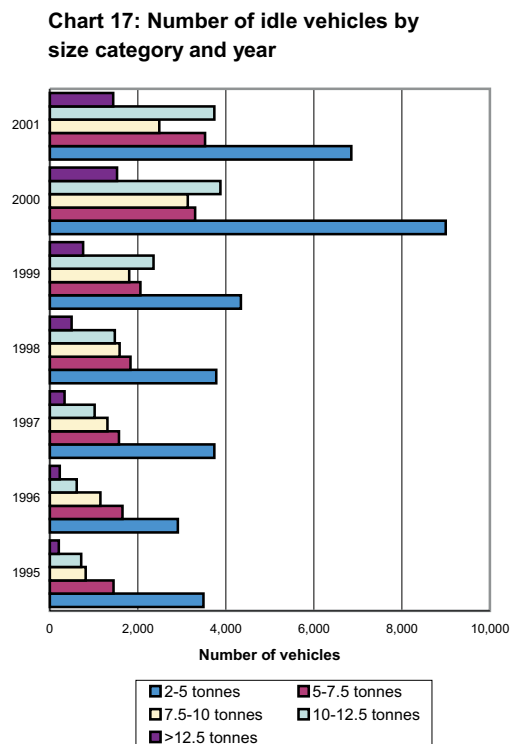
Vehicle Use

Vehicles were idle for various reasons such as being under repair, no work being available, awaiting resale at vehicle dealers, holidays, etc. Furthermore, some of the old vehicles in the fleet are retained by their owners but used infrequently.

Some vehicles, though taxed as *goods vehicles*, are used as passenger vehicles or for service type work. These vehicles are classified as non-relevant and are not included in the survey's activity estimates. They are, however, included in all fleet analyses.

Table G.1

Unladen weight (tonnes)	Year						
	1995	1996	1997	1998	1999	2000	2001
Number of Vehicles							
2-5	17,158	18,199	21,355	20,967	22,626	27,162	30,328
5-7.5	7,197	8,048	7,864	9,141	9,575	9,848	12,229
7.5-10	4,923	6,622	6,957	8,506	9,205	10,651	11,486
10-12.5	4,862	5,409	6,439	8,769	12,041	13,772	15,079
Over 12.5	1,968	1,977	2,640	3,655	4,940	6,846	7,753
Total	36,107	40,255	45,256	51,037	58,388	68,278	76,875
Number of Idle Vehicles							
2-5	3,490	2,908	3,740	3,780	4,340	8,996	6,852
5-7.5	1,448	1,653	1,572	1,836	2,058	3,301	3,530
7.5-10	815	1,148	1,306	1,584	1,807	3,131	2,487
10-12.5	713	614	1,015	1,474	2,356	3,878	3,738
Over 12.5	206	226	337	497	756	1,526	1,438
Total	6,672	6,548	7,970	9,172	11,316	20,832	18,045
Number of Non-Relevant Vehicles							
2-5	4,520	4,949	6,448	6,216	8,233	7,337	12,351
5-7.5	1,402	1,547	1,826	2,299	2,792	1,865	3,591
7.5-10	750	1,290	1,547	1,967	2,517	1,956	3,144
10-12.5	421	665	1,114	1,669	2,397	1,648	3,186
Over 12.5	262	245	408	745	1,043	1,011	1,670
Total	7,356	8,696	11,344	12,897	16,982	13,818	23,942



For each year between 1995 and 1999 on average between 16% and 19% of the vehicle fleet was idle in any one week during the year. In 1995 about 20% of vehicles in both of the unladen weight categories 2-5 tonnes and 5-7.5 tonnes were idle in any one survey week. For the years 1996 to 1999 the percentage was highest for vehicles in the unladen weight category 5-7.5 tonnes, at between 20% and 22%. The percentage of the largest vehicles, 12.5 tonnes unladen weight and over, which were recorded as being idle during a survey week was generally significantly lower, between 10% and 15%.

The average number of idle vehicles as a percentage of the total vehicle fleet was significantly higher in 2000 than in 1999. On average 31% of the vehicle fleet was idle in any one week during the year. This percentage was largest at 34% for vehicles in the unladen weight category 5-7.5 tonnes. Some 33% of the vehicles in the 2-5 tonnes unladen weight category were idle in any one survey week. The CSO consulted with the Road Haulage Association and were informed that there was a severe

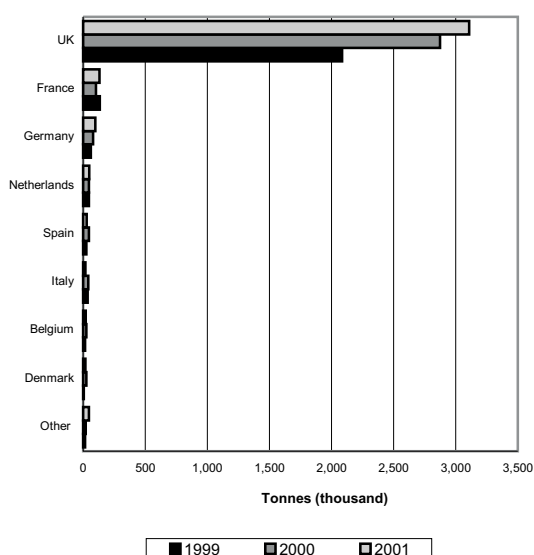
shortage of drivers over a six-month period in 2000, which ran into the start of 2001. The problem was exacerbated over the summer months when very few relief drivers were available to cover for drivers that were on holidays. Consequently some vehicles remained idle even though they could have been on the road had drivers been available.

In 2001, on average 23% of the vehicle fleet was idle in any one week. This percentage is still higher than in 1999 and is due to the shortage of drivers at the beginning of the year as explained in the previous paragraph. This percentage was largest at 29% for vehicles in the unladen weight category 5-7.5 tonnes. In the 10-12.5 tonnes unladen weight category almost 25% of the vehicles were idle in any survey week. (See Table G.1 and Chart 17).

International Transport

This publication contains three tables, for each year from 1999 to 2001, on international transport, in the *Detailed Results* section. These tables show transport activity, the weight of goods carried and vehicle kilometres by country of origin and country of destination.

Chart 18: Weight of goods transported out of Ireland by Irish registered goods vehicles by country of destination and year



Cross-referencing Ireland with itself in these tables gives the figure for national transport. Cross-referencing another country with itself gives the figure for cabotage within that country by Irish registered goods vehicles. Finally cross-referencing 2 countries (neither of which is the Republic of Ireland) with each other gives the figure for cross trade between the two countries by Irish vehicles.

The highest figures for international transport by Irish registered goods vehicles are between Ireland and the UK. Figures for cabotage by Irish registered vehicles are higher for the UK than any other country. The tables below show the top countries, for each year from 1999 to 2001, to which goods were brought from Ireland and from which goods were brought to Ireland by Irish registered vehicles. (See Tables H.1, H.2 and Chart 18).

Table H.1

Country of Destination	1999	%	2000	%	2001	%
	Tonnes Carried		Tonnes Carried		Tonnes Carried	
	<i>thousand</i>		<i>thousand</i>		<i>thousand</i>	
United Kingdom	2,084	85.9	2,874	88.0	3,109	88.3
France	135	5.6	103	3.2	132	3.8
Germany	63	2.6	81	2.5	98	2.8
Netherlands	47	1.9	46	1.4	49	1.4
Spain	25	1.0	47	1.4	28	0.8
Italy	36	1.5	42	1.3	19	0.5
Belgium	15	0.6	27	0.8	20	0.6
Denmark	6	0.2	27	0.8	18	0.5
Other Countries	16	0.7	20	0.6	47	1.3
Total	2,427	100.0	3,267	100.0	3,520	100.0

Table H.2

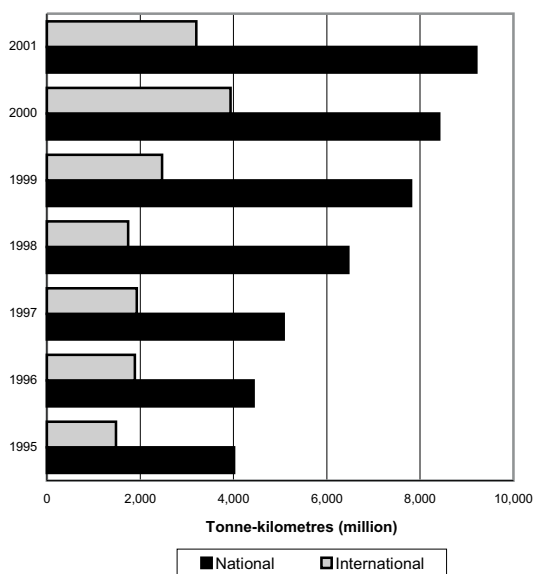
Country of Origin	1999	%	2000	%	2001	%
	Tonnes Carried		Tonnes Carried		Tonnes Carried	
	<i>thousand</i>		<i>thousand</i>		<i>thousand</i>	
United Kingdom	2,412	88.2	5,687	93.0	5,754	92.9
France	115	4.2	111	1.8	129	2.1
Germany	63	2.3	99	1.6	91	1.5
Netherlands	37	1.4	45	0.7	75	1.2
Spain	24	0.9	46	0.8	17	0.3
Italy	30	1.1	41	0.7	30	0.5
Belgium	28	1.0	37	0.6	45	0.7
Denmark	16	0.6	34	0.6	18	0.3
Other Countries	9	0.3	14	0.2	32	0.5
Total	2,734	100.0	6,114	100.0	6,191	100.0

Growth in National and International Transport

The figures for tonnes carried, tonne-kilometres and vehicle kilometres for national transport have risen every year from 1995 to 2001. In 2001 on national journeys, 188.9 million tonnes of goods were transported, activity in terms of tonne-kilometres was 9,202 million and vehicle kilometres travelled was 1,385 million. These figures represent increases of 130%, 130% and 63% respectively on the 1995 values. The largest year on year increases for national transport were as follows; activity in tonne-kilometres increased by 27% between 1997 and 1998, weight of goods carried increased by 40% between 1997 and 1998 and vehicle kilometres increased by 17% between 1995 and 1996.

The figures for international transport have also risen but not at a steady rate. There have been decreases and increases over the 7 years. The highest values for international transport were recorded in 2000, when 16.1 million tonnes of goods were carried, activity in terms of tonne-kilometres was 3,938 million and vehicle kilometres travelled were 308 million. The figures were lowest in 1995 when the weight of goods carried was 3.3 million, the activity in terms of tonne-kilometres was 1,484 million and the vehicle kilometres travelled was 126 million. The most significant year on year increases for international transport were as follows; activity in terms of tonne-kilometres increased by 70% between 1994 and 1995, weight of goods carried increased by 114% between 1998 and 1999 and vehicle kilometres travelled increased by 48% between 1999 and 2000. (See Table I.1 and Chart 19).

Chart 19: Activity in tonne-kilometres for national transport vs international transport by year

**Table I.1**

Year	National		International		National		International	
	Tonnes Carried	%	Tonnes Carried	%	Tonne-Kilometres	%	Tonne-Kilometres	%
	<i>thousand</i>		<i>thousand</i>		<i>million</i>		<i>million</i>	
1995	82,034	96.2	3,283	3.8	4,009	73.0	1,484	27.0
1996	84,327	95.5	3,995	4.5	4,433	70.2	1,884	29.8
1997	99,664	96.0	4,172	4.0	5,074	72.5	1,924	27.5
1998	139,033	97.3	3,878	2.7	6,459	78.7	1,744	21.3
1999	155,684	94.9	8,288	5.1	7,805	76.0	2,469	24.0
2000	178,018	91.7	16,118	8.3	8,410	68.1	3,938	31.9
2001	188,922	92.7	14,927	7.3	9,202	74.2	3,203	25.8

Chapter 2
Detailed Results
2001

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 2001

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	8,284	8,284	0	101,644	101,644
Manufacturing industry	1,476	0	1,476	39,810	0	39,810
Mining & quarrying (incl. sand & gravel merchants)	434	0	434	17,462	0	17,462
Creameries & agricultural cooperative societies	100	0	100	2,161	0	2,161
Manufacture of food & feeding stuffs	166	0	166	2,906	0	2,906
Manufacture of drink & tobacco	70	0	70	897	0	897
Manufacture of glass, cement & clay products	478	0	478	13,485	0	13,485
Other manufacturing	228	0	228	2,899	0	2,899
Building & Construction	238	6	244	8,515	188	8,703
Distribution	969	345	1,313	16,424	8,797	25,221
Agriculture & livestock dealing	182	54	237	2,897	740	3,637
Local Authorities	164	0	164	5,473	0	5,473
Other	528	159	687	15,671	3,690	19,361
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 2 Transport Activity classified by Vehicle capacity, National/International journeys and Main use of vehicle, 2001

Type of Journey and Vehicle Capacity	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Vehicle capacity (kg)						
Up to 5,000	151	52	204	3,774	1,193	4,967
5,001 - 10,000	278	253	531	7,708	3,624	11,332
10,001 - 15,000	275	205	481	7,134	3,693	10,827
15,001 - 20,000	631	719	1,349	19,737	19,802	39,539
20,001 - 25,000	389	1,197	1,586	11,359	20,388	31,747
25,001 - 35,000	1,039	2,337	3,376	27,397	44,175	71,572
Over 35,000	428	1,247	1,675	4,835	14,103	18,938
Total	3,191	6,011	9,202	81,945	106,978	188,922
International journeys						
Vehicle capacity (kg)						
Up to 5,000	12	1	12	154	5	159
5,001 - 10,000	5	16	21	57	51	108
10,001 - 15,000	9	35	43	334	115	449
15,001 - 20,000	70	286	356	2,228	670	2,898
20,001 - 25,000	31	920	951	763	1,779	2,542
25,001 - 35,000	105	807	911	2,152	3,127	5,279
Over 35,000	134	774	908	1,158	2,336	3,493
Total	365	2,838	3,203	6,845	8,081	14,927
Total						
Vehicle capacity (kg)						
Up to 5,000	163	53	216	3,928	1,197	5,126
5,001 - 10,000	283	270	553	7,764	3,675	11,440
10,001 - 15,000	284	240	524	7,468	3,808	11,276
15,001 - 20,000	701	1,004	1,705	21,965	20,471	42,437
20,001 - 25,000	420	2,117	2,537	12,122	22,167	34,289
25,001 - 35,000	1,143	3,144	4,287	29,549	47,302	76,851
Over 35,000	562	2,021	2,583	5,992	16,439	22,431
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 2001

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	111	111	0	2,145	2,145
5,001 - 7,500	0	365	365	0	4,088	4,088
7,501 - 10,000	0	1,137	1,137	0	13,428	13,428
10,001 - 12,500	0	4,588	4,588	0	52,542	52,542
Over 12,500	0	2,084	2,084	0	29,441	29,441
Total	0	8,284	8,284	0	101,644	101,644
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	287	41	329	7,372	617	7,989
5,001 - 7,500	318	53	371	7,629	788	8,417
7,501 - 10,000	543	96	639	13,406	2,325	15,731
10,001 - 12,500	1,178	232	1,410	34,071	6,437	40,508
Over 12,500	1,230	142	1,371	26,312	3,248	29,560
Total	3,556	565	4,121	88,790	13,415	102,205
Total						
Unladen weight (kg)						
2,000 - 5,000	287	152	439	7,372	2,761	10,133
5,001 - 7,500	318	418	736	7,629	4,876	12,505
7,501 - 10,000	543	1,233	1,776	13,406	15,754	29,160
10,001 - 12,500	1,178	4,820	5,998	34,071	58,979	93,050
Over 12,500	1,230	2,226	3,456	26,312	32,689	59,001
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 2001

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Border	665	911	1,576	16,034	12,275	28,309
Midland	214	387	600	6,534	6,036	12,570
West	349	577	926	11,039	9,732	20,771
Dublin	462	1,625	2,087	12,252	26,325	38,578
Mid-East	299	655	954	8,288	14,949	23,237
Mid-West	291	667	957	7,660	10,746	18,406
South-East	483	1,144	1,627	8,515	14,072	22,587
South-West	529	1,023	1,551	12,930	15,053	27,984
Other	266	1,861	2,127	5,538	5,870	11,408
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 5 Transport Activity classified by Business of owner, Length of haul and Main use of vehicle, 2001

Business of owner of vehicle and Length of haul	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Length of haul (km)						
Up to 10	0	76	76	0	13,926	13,926
11-25	0	487	487	0	29,935	29,935
26-50	0	705	705	0	19,327	19,327
51-150	0	1,979	1,979	0	22,693	22,693
151-500	0	3,069	3,069	0	13,788	13,788
Over 500	0	1,969	1,969	0	1,974	1,974
Total	0	8,284	8,284	0	101,644	101,644
Other businesses						
Length of haul (km)						
Up to 10	85	9	93	17,827	1,863	19,690
11-25	501	86	588	32,037	4,921	36,957
26-50	578	117	695	17,388	3,368	20,756
51-150	1,202	171	1,373	15,965	2,424	18,389
151-500	1,009	155	1,164	5,223	792	6,014
Over 500	180	27	207	351	48	398
Total	3,556	565	4,121	88,790	13,415	102,205
Total						
Length of haul (km)						
Up to 10	85	85	169	17,827	15,789	33,616
11-25	501	573	1,075	32,037	34,856	66,892
26-50	578	822	1,400	17,388	22,695	40,084
51-150	1,202	2,150	3,352	15,965	25,117	41,082
151-500	1,009	3,223	4,233	5,223	14,580	19,802
Over 500	180	1,996	2,176	351	2,022	2,373
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 6 Transport Activity classified by Main type of work and Main use of vehicle, 2001

Main type of work done by vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Import/export work ¹	35	2,707	2,742	677	11,755	12,432
Carriage of livestock	80	102	182	1,036	1,268	2,305
Carriage of other farm produce from farms	71	147	219	1,765	3,108	4,873
Carriage of fertilisers, feedingstuffs etc. to farms	119	262	380	2,424	3,698	6,122
Delivery of goods to road works or building sites	925	1,185	2,110	39,570	44,480	84,050
Delivery of goods to retail outlets	520	1,077	1,597	7,061	11,331	18,392
Delivery of goods to wholesalers	188	739	928	1,890	6,256	8,146
Delivery of materials and fuels to factories	285	693	978	3,443	8,281	11,724
Delivery of goods to households	160	16	176	3,601	416	4,017
Other work	1,173	1,921	3,093	27,321	24,466	51,788
Total	3,556	8,849	12,405	88,790	115,059	203,849

¹ Includes work done to and from ports as well as roll-on/roll-off and cross-border work

Table 7 Transport Activity classified by National/International journeys and Main use of vehicle, 2001

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	3,191	6,011	9,202	81,945	106,978	188,922
International Journeys						
Goods loaded in Ireland	99	976	1,076	1,307	2,212	3,519
Goods unloaded in Ireland	167	1,052	1,219	3,163	3,029	6,192
Cross trade	0	370	371	1	331	332
Cabotage	99	439	537	2,374	2,510	4,884
Total International	365	2,838	3,203	6,845	8,081	14,927
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 8 Transport Activity classified by National/International journeys, Quarter and Main use of vehicle, 2001

National/International and Quarter	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
January - March	774	1,384	2,158	20,301	25,863	46,164
April - June	802	1,540	2,342	22,772	28,154	50,926
July - September	783	1,466	2,249	19,769	26,557	46,326
October - December	832	1,622	2,454	19,102	26,405	45,506
Total	3,191	6,011	9,202	81,945	106,978	188,922
International journeys						
January - March	64	749	813	2,171	2,049	4,220
April - June	105	677	782	1,508	1,797	3,304
July - September	99	676	774	1,596	1,689	3,285
October - December	97	736	833	1,571	2,547	4,118
Total	365	2,838	3,203	6,845	8,081	14,927
Total						
January - March	838	2,133	2,971	22,472	27,912	50,384
April - June	907	2,217	3,124	24,280	29,950	54,230
July - September	882	2,142	3,023	21,365	28,246	49,611
October - December	929	2,358	3,287	20,673	28,952	49,624
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 9 Transport Activity classified by Group of goods and National/International journeys, 2001

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	National journeys	International journeys	Total	National journeys	International journeys	Total
Agricultural products & live animals	1,060	355	1,414	13,614	1,028	14,643
Foodstuffs & animal fodder	1,772	787	2,558	24,708	1,823	26,531
Solid mineral fuels	139	44	183	2,712	418	3,130
Petroleum products	787	17	804	10,368	205	10,574
Ores & metal waste	222	58	280	1,908	252	2,160
Metal products	47	20	68	566	102	668
Crude & manufactured minerals, building materials	2,857	317	3,174	104,944	6,657	111,600
Fertilisers	209	89	298	3,222	539	3,761
Chemicals	143	49	193	2,121	377	2,498
Machinery, transport equipment, manufactured articles & miscellaneous articles	1,280	649	1,929	17,977	2,099	20,077
Mixed loads	687	817	1,504	6,782	1,426	8,208
Total	9,202	3,203	12,405	188,922	14,927	203,849

Table 10 Transport Activity classified by Group of goods and Main use of vehicle, 2001

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	324	1,090	1,414	4,597	10,045	14,643
Foodstuffs & animal fodder	582	1,977	2,558	9,312	17,219	26,531
Solid mineral fuels	68	115	183	1,762	1,368	3,130
Petroleum products	422	382	804	6,272	4,301	10,574
Ores & metal waste	40	240	280	390	1,770	2,160
Metal products	16	52	68	212	456	668
Crude & manufactured minerals, building materials	1,403	1,771	3,174	54,576	57,024	111,600
Fertilisers	57	241	298	1,421	2,340	3,761
Chemicals	34	159	193	619	1,879	2,498
Machinery, transport equipment, manufactured articles & miscellaneous articles	516	1,413	1,929	7,951	12,126	20,077
Mixed loads	94	1,411	1,504	1,677	6,530	8,208
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 11 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 2001

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	26,358	3,970	30,328	15,111	2,866	17,977
5,001 - 7,500	9,463	2,766	12,229	6,516	2,122	8,638
7,501 - 10,000	7,291	4,195	11,486	4,787	3,556	8,342
10,001 - 12,500	7,832	7,247	15,079	5,243	6,651	11,894
Over 12,500	4,313	3,440	7,753	3,009	3,073	6,083
Total	55,257	21,618	76,875	34,666	18,268	52,934
Year of manufacture						
2000-2001	5,287	2,872	8,159	3,253	2,338	5,590
1998-1999	5,997	3,679	9,677	3,890	2,945	6,836
1996-1997	6,025	3,474	9,499	3,544	3,079	6,623
1994-1995	7,035	3,768	10,803	4,404	3,467	7,871
1992-1993	5,427	1,905	7,332	3,362	1,663	5,025
1991 or before	25,487	5,918	31,405	16,213	4,776	20,989
Total	55,257	21,618	76,875	34,666	18,268	52,934

Table 12 Transport Activity classified by Year of manufacture and Main use of vehicle, 2001

Year of manufacture of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
2000-2001	586	1,710	2,296	12,648	20,198	32,846
1998-1999	598	2,139	2,737	14,737	24,160	38,897
1996-1997	636	1,803	2,438	13,363	20,751	34,114
1994-1995	697	1,816	2,513	15,344	20,206	35,551
1992-1993	290	463	753	6,519	7,489	14,009
1991 or before	751	917	1,668	26,178	22,254	48,432
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 13 Transport Activity classified by Body type and Main use of vehicle, 2001

Type of vehicle and Body type	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Rigid/Rigid with Trailer						
Platform or sided	185	215	400	5,181	5,297	10,479
Tipper	730	733	1,463	32,101	33,343	65,444
Tanker or other bulk carrier	281	61	341	7,367	2,393	9,760
Insulated or refrigerated box	90	76	166	1,582	660	2,242
Box or van body	201	266	467	3,593	3,316	6,909
Livestock carrier	66	58	124	730	764	1,494
Other	294	342	636	9,628	8,449	18,078
Total	1,847	1,751	3,598	60,183	54,223	114,406
Articulated						
Platform or sided	258	1,199	1,457	3,585	9,292	12,877
Tipper	170	722	892	6,823	12,704	19,527
Tanker or other bulk carrier	442	840	1,282	5,646	10,136	15,781
Insulated or refrigerated box	55	1,014	1,069	540	2,788	3,328
Box or van body	69	618	687	765	3,729	4,495
Livestock carrier	11	28	39	260	360	620
Other	630	2,477	3,106	10,415	19,870	30,284
Total	1,635	6,897	8,532	28,033	58,878	86,911
All Vehicles						
Platform or sided	461	1,459	1,920	8,875	15,185	24,060
Tipper	902	1,485	2,387	38,964	46,289	85,253
Tanker or other bulk carrier	767	929	1,695	13,361	12,990	26,352
Insulated or refrigerated box	145	1,106	1,250	2,122	3,522	5,644
Box or van body	270	898	1,168	4,358	7,146	11,505
Livestock carrier	77	89	166	990	1,135	2,125
Other	934	2,884	3,818	20,119	28,791	48,911
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 14 Vehicle Kilometres travelled classified by Business of owner and Main use of vehicle, 2001

Business of owner of vehicle	Loaded vehicle kilometres (million)			Total vehicle kilometres (million)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	568	568	0	877	877
Manufacturing industry	121	0	121	216	0	216
Mining & quarrying (incl. sand & gravel merchants)	23	0	23	46	0	46
Creameries & agricultural cooperative societies	8	0	8	14	0	14
Manufacture of food & feeding stuffs	22	0	22	37	0	37
Manufacture of drink & tobacco	7	0	7	9	0	9
Manufacture of glass, cement & clay products	26	0	26	51	0	51
Other manufacturing	35	0	35	60	0	60
Building & Construction	34	0	35	65	1	65
Distribution	150	34	184	227	56	283
Agriculture & livestock dealing	23	5	28	42	10	52
Local Authorities	14	0	14	28	0	28
Other	67	24	91	111	36	147
Total	409	632	1,041	688	980	1,668

Table 15 Transport Activity classified by National/International Journeys, Axle configuration and Main use of Vehicle, 2001

Type of Journey and Axle Configuration	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Rigid						
2 axle	722	496	1,217	17,038	6,757	23,795
3 axle	415	204	619	13,310	8,230	21,540
Other rigid	575	857	1,433	25,422	37,303	62,725
Rigid + trailer	10	78	88	135	668	803
Articulated						
3 axle	148	210	358	3,172	3,408	6,580
Other articulated	1,321	4,167	5,488	22,869	50,611	73,480
Total	3,191	6,011	9,202	81,945	106,978	188,922
International journeys						
Rigid						
2 axle	19	38	57	312	172	484
3 axle	40	25	64	1,626	66	1,692
Other rigid	66	42	109	2,361	995	3,356
Rigid + trailer	0	14	14	0	42	42
Articulated						
3 axle	18	89	108	297	182	479
Other articulated	222	2,629	2,851	2,249	6,625	8,874
Total	365	2,838	3,203	6,845	8,081	14,927
Total						
Rigid						
2 axle	741	534	1,275	17,350	6,929	24,279
3 axle	454	229	683	14,936	8,296	23,232
Other rigid	642	900	1,541	27,783	38,298	66,081
Rigid + trailer	10	92	102	135	710	845
Articulated						
3 axle	166	299	466	3,469	3,590	7,059
Other articulated	1,543	6,796	8,339	25,118	57,236	82,354
Total	3,556	8,849	12,405	88,790	115,059	203,849

Table 16 Transport Activity classified by Region of origin and Region of destination, 2001

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Tonne-km (million)										
Border	618	90	131	200	100	44	62	45	286	1,576
Midland	55	175	57	87	46	46	49	56	31	600
West	107	37	517	81	29	30	66	25	33	926
Dublin	308	130	140	463	211	99	190	247	300	2,087
Mid-East	82	36	49	225	360	32	58	48	64	954
Mid-West	25	25	58	72	19	430	93	135	101	957
South-East	71	51	72	192	72	69	752	177	170	1,627
South-West	42	49	40	154	26	118	201	831	91	1,551
Other	249	60	38	525	106	74	102	66	908	2,127
Total	1,556	652	1,103	1,998	969	943	1,572	1,629	1,984	12,405
Tonnes carried (thousand)										
Border	20,014	832	973	2,074	1,949	190	287	138	1,852	28,309
Midland	787	7,741	612	958	767	707	703	209	85	12,570
West	793	532	18,159	353	138	301	300	120	74	20,771
Dublin	2,494	1,249	662	24,551	5,924	510	1,408	988	791	38,578
Mid-East	1,463	507	252	6,330	13,213	192	881	215	184	23,237
Mid-West	100	250	475	364	110	14,188	1,201	1,599	120	18,406
South-East	315	502	313	1,351	1,048	710	16,677	1,357	313	22,587
South-West	125	188	185	586	105	1,154	1,648	23,893	100	27,984
Other	3,904	329	166	1,020	408	103	157	105	5,216	11,408
Total	29,996	12,130	21,797	37,586	23,663	18,056	23,262	28,625	8,735	203,849

Table 17 Vehicle Kilometres travelled classified by Region of origin and Region of destination, 2001

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Vehicle kilometres (million)										
Border	100	9	14	33	12	5	7	6	31	218
Midland	10	28	8	15	7	5	8	5	4	91
West	15	8	90	16	5	8	7	5	4	159
Dublin	37	16	18	99	35	15	27	26	29	304
Mid-East	13	7	5	36	57	5	11	6	7	146
Mid-West	4	5	8	15	5	64	11	21	9	142
South-East	7	8	7	29	10	11	99	22	11	205
South-West	5	5	6	26	5	19	22	127	8	223
Other	26	4	3	39	7	6	8	7	80	180
Total	218	90	160	308	145	137	201	226	184	1,668

Table 18 Transport Activity classified by Country of origin and Country of destination, 2001

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
	Tonne-km (million)									
Austria	0	0	0	0	0	0	0	11	0	0
Belgium	0	0	0	0	0	0	0	36	3	0
Denmark	0	0	0	0	0	0	0	27	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	2	0	0	0	15	9	10	138	36	0
Germany	0	0	0	0	0	4	0	130	1	0
Greece	0	0	0	0	0	0	0	11	6	0
Ireland	13	17	27	0	145	137	10	9,202	34	6
Italy	0	0	0	0	28	0	5	59	2	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	1	2	0	73	0	0
Portugal	0	0	0	0	0	0	0	5	0	0
Spain	0	0	0	0	0	0	0	33	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	4	0	0	18	18	0	650	12	0
Other Countries	0	0	0	0	3	0	0	44	0	0
Total	16	21	27	0	211	169	24	10,421	94	6

**Table 18 Transport Activity classified by Country of origin and Country of destination, 2001
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonne-km (million)							
Austria	0	0	0	0	7	0	18
Belgium	0	0	0	0	3	0	41
Denmark	0	0	0	0	0	0	27
Finland	0	0	0	0	0	0	0
France	0	0	10	0	53	0	273
Germany	0	0	0	0	55	4	194
Greece	0	0	0	0	0	0	17
Ireland	49	3	51	6	539	40	10,278
Italy	0	0	0	0	36	0	130
Luxembourg	0	0	0	0	5	0	5
Netherlands	0	0	0	0	3	0	80
Portugal	0	0	0	0	5	0	10
Spain	0	0	3	0	18	0	55
Sweden	0	0	0	0	0	0	0
United Kingdom	2	0	3	0	508	3	1,220
Other Countries	0	0	0	0	5	5	57
Total	52	3	67	6	1,237	51	12,405

Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2001

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Tonnes carried (thousand)										
Austria	0	0	0	0	0	0	0	3	0	0
Belgium	0	0	0	0	1	0	0	45	1	0
Denmark	0	0	0	0	0	0	0	18	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	3	1	0	0	26	12	5	129	28	0
Germany	0	0	0	0	0	14	0	91	1	0
Greece	0	0	0	0	0	0	0	5	4	0
Ireland	12	20	18	0	132	98	3	188,922	19	6
Italy	0	0	0	0	21	0	4	30	7	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	4	3	0	75	0	0
Portugal	0	0	0	0	0	0	0	2	0	0
Spain	0	0	0	0	0	0	0	17	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	3	0	0	20	16	0	5,754	8	0
Other Countries	0	0	0	0	3	0	0	22	0	0
Total	15	24	18	0	206	142	11	195,114	68	6

**Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2001
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonnes carried (thousand)							
Austria	0	0	0	0	4	0	7
Belgium	0	0	0	0	6	0	52
Denmark	0	0	0	0	0	0	18
Finland	0	0	0	0	0	0	0
France	0	0	9	0	63	0	275
Germany	0	0	0	0	49	5	160
Greece	0	0	0	0	0	0	9
Ireland	49	1	28	4	3,109	21	192,441
Italy	0	0	0	0	23	0	84
Luxembourg	0	0	0	0	8	0	8
Netherlands	6	0	0	0	6	0	93
Portugal	0	0	0	0	2	0	4
Spain	0	0	9	0	11	0	36
Sweden	0	0	0	1	0	0	1
United Kingdom	3	0	3	0	4,809	3	10,618
Other Countries	0	0	0	0	3	13	41
Total	58	1	49	5	8,092	41	203,849

Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2001

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Vehicle kilometres (million)										
Austria	0	0	0	0	0	0	0	1	0	0
Belgium	0	0	0	0	0	0	0	2	0	0
Denmark	0	0	0	0	0	0	0	1	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	1	0	0	3	1	1	8	2	0
Germany	0	0	0	0	0	1	0	9	0	0
Greece	0	0	0	0	0	0	0	1	0	0
Ireland	1	1	1	0	11	11	1	1,385	3	1
Italy	0	0	0	0	1	0	0	3	1	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0	4	0	0
Portugal	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	3	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	1	1	0	62	1	0
Other Countries	0	0	0	0	0	0	0	3	0	0
Total	1	3	1	0	16	14	2	1,484	9	1

**Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2001
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Vehicle kilometres (million)							
Austria	0	0	0	0	1	0	2
Belgium	0	0	0	0	0	0	3
Denmark	0	0	0	0	0	0	1
Finland	0	0	0	0	0	0	0
France	0	0	1	0	4	0	20
Germany	0	0	0	0	3	0	15
Greece	0	0	0	0	0	0	1
Ireland	4	1	4	0	62	3	1,488
Italy	0	0	0	0	2	0	8
Luxembourg	0	0	0	0	0	0	1
Netherlands	0	0	0	0	1	0	5
Portugal	0	0	0	0	0	0	1
Spain	0	0	1	0	1	0	6
Sweden	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	46	0	112
Other Countries	0	0	0	0	0	0	5
Total	6	1	6	0	120	4	1,668

Chapter 3
Detailed Results
2000

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 2000

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	8,679	8,679	0	104,149	104,149
Manufacturing industry	1,360	8	1,369	38,148	24	38,172
Mining & quarrying (incl. sand & gravel merchants)	420	0	420	16,484	0	16,484
Creameries & agricultural cooperative societies	177	0	177	3,950	0	3,950
Manufacture of food & feeding stuffs	168	0	168	2,160	0	2,160
Manufacture of drink & tobacco	63	0	63	816	0	816
Manufacture of glass, cement & clay products	309	0	309	11,265	0	11,265
Other manufacturing	223	8	231	3,473	24	3,497
Building & Construction	204	1	205	9,598	38	9,635
Distribution	727	210	937	12,036	4,655	16,692
Agriculture & livestock dealing	192	28	220	3,067	169	3,236
Local Authorities	126	0	126	4,738	0	4,738
Other	721	91	812	15,377	2,135	17,513
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 2 Transport Activity classified by Vehicle capacity, National/International journeys and Main use of vehicle, 2000

Type of Journey and Vehicle Capacity	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Vehicle capacity (kg)						
Up to 5,000	114	52	166	2,820	691	3,511
5,001 - 10,000	312	180	492	7,412	2,929	10,340
10,001 - 15,000	262	182	444	6,657	3,445	10,102
15,001 - 20,000	578	651	1,229	17,112	18,806	35,918
20,001 - 25,000	417	1,228	1,645	13,721	23,536	37,257
25,001 - 35,000	929	1,926	2,855	25,711	35,116	60,826
Over 35,000	243	1,335	1,578	3,342	16,721	20,063
Total	2,857	5,553	8,410	76,775	101,243	178,018
International journeys						
Vehicle capacity (kg)						
Up to 5,000	2	4	7	22	6	28
5,001 - 10,000	6	9	15	43	32	75
10,001 - 15,000	9	34	43	362	55	417
15,001 - 20,000	51	251	302	1,768	534	2,303
20,001 - 25,000	57	901	958	844	2,471	3,315
25,001 - 35,000	206	819	1,025	1,982	2,972	4,954
Over 35,000	143	1,446	1,588	1,169	3,857	5,026
Total	475	3,463	3,938	6,191	9,927	16,118
Total						
Vehicle capacity (kg)						
Up to 5,000	117	56	173	2,842	697	3,540
5,001 - 10,000	319	188	507	7,455	2,960	10,415
10,001 - 15,000	271	216	487	7,019	3,500	10,519
15,001 - 20,000	629	902	1,531	18,881	19,340	38,221
20,001 - 25,000	475	2,129	2,604	14,564	26,007	40,571
25,001 - 35,000	1,136	2,744	3,880	27,693	38,088	65,780
Over 35,000	386	2,781	3,167	4,511	20,578	25,089
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 2000

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	112	112	0	1,320	1,320
5,001 - 7,500	0	335	335	0	4,600	4,600
7,501 - 10,000	0	1,161	1,161	0	13,708	13,708
10,001 - 12,500	0	4,776	4,776	0	57,299	57,299
Over 12,500	0	2,295	2,295	0	27,221	27,221
Total	0	8,679	8,679	0	104,149	104,149
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	253	17	271	5,887	341	6,228
5,001 - 7,500	301	33	334	7,902	766	8,668
7,501 - 10,000	560	57	617	13,469	1,156	14,626
10,001 - 12,500	1,126	151	1,278	30,382	2,812	33,194
Over 12,500	1,090	80	1,170	25,325	1,946	27,271
Total	3,332	338	3,669	82,965	7,022	89,987
Total						
Unladen weight (kg)						
2,000 - 5,000	253	130	383	5,887	1,661	7,548
5,001 - 7,500	301	368	669	7,902	5,367	13,269
7,501 - 10,000	560	1,217	1,777	13,469	14,864	28,334
10,001 - 12,500	1,126	4,927	6,054	30,382	60,111	90,493
Over 12,500	1,090	2,375	3,465	25,325	29,167	54,492
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 2000

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Border	501	976	1,478	12,343	14,666	27,010
Midland	171	353	524	5,541	4,979	10,520
West	298	509	807	7,932	8,265	16,197
Dublin	421	1,568	1,990	13,022	24,597	37,618
Mid-East	284	659	943	7,856	13,207	21,062
Mid-West	305	632	937	7,344	10,387	17,731
South-East	396	997	1,393	9,524	13,667	23,191
South-West	576	906	1,482	13,986	13,968	27,954
Other	380	2,415	2,795	5,418	7,433	12,851
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 5 Transport Activity classified by Business of owner, Length of haul and Main use of vehicle, 2000

Business of owner of vehicle and Length of haul	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Length of haul (km)						
Up to 10	0	70	70	0	13,641	13,641
11-25	0	501	501	0	31,114	31,114
26-50	0	678	678	0	19,029	19,029
51-150	0	2,079	2,079	0	24,341	24,341
151-500	0	3,178	3,178	0	13,918	13,918
Over 500	0	2,172	2,172	0	2,105	2,105
Total	0	8,679	8,679	0	104,149	104,149
Other businesses						
Length of haul (km)						
Up to 10	78	7	85	16,156	1,252	17,408
11-25	448	39	487	28,841	2,369	31,210
26-50	574	47	620	17,298	1,457	18,755
51-150	1,197	101	1,298	15,758	1,331	17,089
151-500	910	112	1,022	4,737	564	5,301
Over 500	125	32	157	174	49	223
Total	3,332	338	3,669	82,965	7,022	89,987
Total						
Length of haul (km)						
Up to 10	78	77	155	16,156	14,894	31,050
11-25	448	540	988	28,841	33,483	62,324
26-50	574	725	1,299	17,298	20,486	37,784
51-150	1,197	2,180	3,377	15,758	25,672	41,430
151-500	910	3,290	4,200	4,737	14,482	19,219
Over 500	125	2,204	2,329	174	2,154	2,329
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 6 Transport Activity classified by Main type of work and Main use of vehicle, 2000

Main type of work done by vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Import/export work ¹	34	2,948	2,982	401	12,926	13,327
Carriage of livestock	74	130	204	1,199	969	2,168
Carriage of other farm produce from farms	89	145	233	2,179	3,139	5,318
Carriage of fertilisers, feedingstuffs etc. to farms	183	364	547	3,425	4,265	7,690
Delivery of goods to road works or building sites	810	1,179	1,988	33,029	43,997	77,027
Delivery of goods to retail outlets	493	884	1,377	7,146	9,017	16,163
Delivery of goods to wholesalers	136	758	894	1,347	6,422	7,769
Delivery of materials and fuels to factories	108	594	702	1,712	7,343	9,054
Delivery of goods to households	146	37	183	4,019	756	4,774
Other work	1,261	1,977	3,238	28,508	22,338	50,846
Total	3,332	9,016	12,348	82,965	111,170	194,135

¹ Includes work done to and from ports as well as roll-on/roll-off and cross-border work

Table 7 Transport Activity classified by National/International journeys and Main use of vehicle, 2000

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	2,857	5,553	8,410	76,775	101,243	178,018
International Journeys						
Goods loaded in Ireland	95	1,048	1,143	773	2,494	3,266
Goods unloaded in Ireland	244	1,264	1,507	2,689	3,427	6,116
Cross trade	6	556	562	6	573	579
Cabotage	130	595	725	2,724	3,433	6,157
Total International	475	3,463	3,938	6,191	9,927	16,118
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 8 Transport Activity classified by National/International journeys, Quarter and Main use of vehicle, 2000

National/International and Quarter	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
January - March	650	1,412	2,061	17,276	23,295	40,571
April - June	733	1,458	2,191	20,805	27,918	48,723
July - September	722	1,390	2,112	18,772	26,051	44,823
October - December	753	1,294	2,046	19,921	23,979	43,901
Total	2,857	5,553	8,410	76,775	101,243	178,018
International journeys						
January - March	77	833	910	1,488	2,617	4,105
April - June	179	872	1,051	1,860	2,603	4,463
July - September	136	908	1,044	1,886	2,461	4,346
October - December	83	850	933	957	2,246	3,203
Total	475	3,463	3,938	6,191	9,927	16,118
Total						
January - March	727	2,245	2,972	18,765	25,912	44,677
April - June	912	2,330	3,242	22,665	30,521	53,186
July - September	858	2,298	3,156	20,658	28,511	49,169
October - December	836	2,143	2,979	20,878	26,226	47,104
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 9 Transport Activity classified by Group of goods and National/International journeys, 2000

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	National journeys	International journeys	Total	National journeys	International journeys	Total
Agricultural products & live animals	950	743	1,694	11,742	2,060	13,802
Foodstuffs & animal fodder	1,655	814	2,469	23,115	2,406	25,521
Solid mineral fuels	123	94	217	2,043	653	2,696
Petroleum products	571	54	625	9,306	454	9,760
Ores & metal waste	169	78	247	1,911	339	2,251
Metal products	176	23	199	1,468	80	1,548
Crude & manufactured minerals, building materials	2,522	333	2,855	97,965	5,542	103,507
Fertilisers	279	61	340	4,066	342	4,408
Chemicals	165	78	242	2,563	391	2,954
Machinery, transport equipment, manufactured articles & miscellaneous articles	1,159	551	1,710	16,394	1,801	18,195
Mixed loads	642	1,108	1,750	7,446	2,049	9,494
Total	8,410	3,938	12,348	178,018	16,118	194,135

Table 10 Transport Activity classified by Group of goods and Main use of vehicle, 2000

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	372	1,322	1,694	4,639	9,163	13,802
Foodstuffs & animal fodder	610	1,859	2,469	9,433	16,088	25,521
Solid mineral fuels	60	157	217	1,080	1,616	2,696
Petroleum products	240	385	625	5,022	4,738	9,760
Ores & metal waste	32	215	247	361	1,890	2,251
Metal products	75	125	199	507	1,041	1,548
Crude & manufactured minerals, building materials	1,245	1,610	2,855	50,160	53,346	103,507
Fertilisers	94	246	340	1,657	2,752	4,408
Chemicals	36	206	242	624	2,331	2,954
Machinery, transport equipment, manufactured articles & miscellaneous articles	447	1,263	1,710	7,549	10,646	18,195
Mixed loads	121	1,629	1,750	1,935	7,559	9,494
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 11 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 2000

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	23,850	3,312	27,162	17,389	2,436	19,825
5,001 - 7,500	7,778	2,069	9,848	6,205	1,778	7,983
7,501 - 10,000	6,736	3,915	10,651	5,270	3,426	8,695
10,001 - 12,500	6,677	7,095	13,772	5,383	6,740	12,123
Over 12,500	3,722	3,123	6,846	2,921	2,913	5,835
Total	48,763	19,515	68,278	37,167	17,293	54,461
Year of manufacture						
1999-2000	5,287	2,965	8,251	4,275	2,651	6,926
1997-1998	6,357	3,208	9,565	4,845	2,834	7,679
1995-1996	6,192	3,957	10,149	4,674	3,482	8,156
1993-1994	5,384	2,814	8,197	3,934	2,525	6,458
1991-1992	4,889	1,720	6,609	3,716	1,538	5,254
1990 or before	20,656	4,852	25,507	15,724	4,263	19,987
Total	48,763	19,515	68,278	37,167	17,293	54,461

Table 12 Transport Activity classified by Year of manufacture and Main use of vehicle, 2000

Year of manufacture of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
1999-2000	720	2,053	2,773	16,371	21,691	38,062
1997-1998	506	1,941	2,446	12,717	18,664	31,381
1995-1996	734	2,356	3,090	14,669	24,889	39,558
1993-1994	436	1,267	1,704	9,840	15,232	25,072
1991-1992	261	466	727	6,503	8,037	14,540
1990 or before	675	933	1,608	22,865	22,657	45,522
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 13 Transport Activity classified by Body type and Main use of vehicle, 2000

Type of vehicle and Body type	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Rigid/Rigid with Trailer						
Platform or sided	191	173	364	4,426	5,263	9,689
Tipper	595	613	1,208	26,660	28,144	54,804
Tanker or other bulk carrier	202	79	281	5,902	2,859	8,762
Insulated or refrigerated box	90	49	139	1,448	410	1,858
Box or van body	197	265	462	3,425	2,688	6,112
Livestock carrier	41	38	79	821	350	1,171
Other	308	360	667	10,445	10,144	20,589
Total	1,623	1,577	3,200	53,126	49,858	102,984
Articulated						
Platform or sided	368	1,435	1,804	5,390	13,116	18,505
Tipper	182	764	946	6,093	11,885	17,978
Tanker or other bulk carrier	361	809	1,170	5,329	10,321	15,650
Insulated or refrigerated box	48	1,232	1,280	287	3,443	3,729
Box or van body	73	646	719	672	4,062	4,734
Livestock carrier	34	80	114	364	535	899
Other	643	2,473	3,116	11,705	17,951	29,655
Total	1,708	7,440	9,148	29,839	61,312	91,151
All Vehicles						
Platform or sided	559	1,608	2,167	9,816	18,379	28,195
Tipper	778	1,376	2,154	32,753	40,029	72,782
Tanker or other bulk carrier	562	888	1,450	11,231	13,181	24,411
Insulated or refrigerated box	138	1,281	1,419	1,734	3,853	5,587
Box or van body	269	912	1,181	4,097	6,750	10,847
Livestock carrier	75	118	193	1,185	885	2,070
Other	951	2,833	3,783	22,150	28,095	50,244
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 14 Vehicle Kilometres travelled classified by Business of owner and Main use of vehicle, 2000

Business of owner of vehicle	Loaded vehicle kilometres (million)			Total vehicle kilometres (million)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	590	590	0	895	895
Manufacturing industry	128	0	129	226	0	227
Mining & quarrying (incl. sand & gravel merchants)	26	0	26	52	0	52
Creameries & agricultural cooperative societies	14	0	14	24	0	24
Manufacture of food & feeding stuffs	24	0	24	38	0	38
Manufacture of drink & tobacco	6	0	6	7	0	7
Manufacture of glass, cement & clay products	21	0	21	39	0	39
Other manufacturing	38	0	38	65	0	66
Building & Construction	24	0	24	45	0	45
Distribution	145	21	166	217	34	251
Agriculture & livestock dealing	29	2	31	50	4	54
Local Authorities	13	0	13	27	0	27
Other	79	17	96	132	26	158
Total	418	631	1,049	698	959	1,657

Table 15 Transport Activity classified by National/International Journeys, Axle configuration and Main use of Vehicle, 2000

Type of Journey and Axle Configuration	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Rigid						
2 axle	595	379	974	14,281	5,750	20,032
3 axle	335	200	535	12,244	7,348	19,593
Other rigid	584	797	1,380	22,828	35,453	58,281
Rigid + trailer	7	73	80	213	695	908
Articulated						
3 axle	144	166	310	3,340	2,787	6,127
4 axle	616	1,257	1,872	16,243	17,714	33,958
Other articulated	577	2,682	3,259	7,625	31,496	39,121
Total	2,857	5,553	8,410	76,775	101,243	178,018
International journeys						
Rigid						
2 axle	18	32	50	250	78	328
3 axle	37	3	39	1,413	50	1,464
Other rigid	46	21	67	1,880	404	2,284
Rigid + trailer	3	73	75	16	79	95
Articulated						
3 axle	8	70	78	196	259	455
4 axle	163	828	991	956	2,636	3,592
Other articulated	200	2,437	2,638	1,478	6,420	7,898
Total	475	3,463	3,938	6,191	9,927	16,118
Total						
Rigid						
2 axle	613	411	1,024	14,532	5,828	20,360
3 axle	372	202	574	13,658	7,399	21,057
Other rigid	630	818	1,447	24,708	35,857	60,565
Rigid + trailer	10	145	155	229	774	1,003
Articulated						
3 axle	152	236	388	3,536	3,046	6,582
4 axle	779	2,085	2,864	17,199	20,351	37,550
Other articulated	777	5,119	5,897	9,104	37,915	47,019
Total	3,332	9,016	12,348	82,965	111,170	194,135

Table 16 Transport Activity classified by Region of origin and Region of destination, 2000

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Tonne-km (million)										
Border	606	61	124	188	73	44	65	43	274	1,478
Midland	46	146	55	66	39	45	52	43	32	524
West	88	31	363	82	22	44	36	16	125	807
Dublin	214	110	157	424	194	128	184	258	322	1,990
Mid-East	94	51	41	282	249	48	83	35	61	943
Mid-West	34	33	93	90	14	360	80	168	65	937
South-East	72	45	59	182	86	61	537	172	179	1,393
South-West	39	28	31	157	34	110	176	823	85	1,482
Other	337	57	66	691	66	67	148	75	1,288	2,795
Total	1,530	561	989	2,160	778	907	1,360	1,632	2,430	12,348
Tonnes carried (thousand)										
Border	19,530	731	994	2,064	1,411	296	299	121	1,562	27,010
Midland	480	6,308	734	741	708	633	613	212	93	10,520
West	962	410	13,471	383	115	423	167	72	195	16,197
Dublin	1,890	1,020	767	24,012	6,170	628	1,352	968	811	37,618
Mid-East	1,548	744	211	7,406	9,768	331	783	149	123	21,062
Mid-West	124	311	736	469	82	12,489	1,421	2,017	81	17,731
South-East	286	419	275	1,282	1,061	930	17,331	1,327	280	23,191
South-West	107	140	146	647	135	980	1,384	24,295	122	27,954
Other	3,297	303	279	1,442	248	124	289	134	6,735	12,851
Total	28,224	10,388	17,612	38,446	19,697	16,833	23,639	29,295	10,002	194,135

Table 17 Vehicle Kilometres travelled classified by Region of origin and Region of destination, 2000

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Vehicle kilometres (million)										
Border	97	8	15	29	13	6	7	5	29	209
Midland	8	25	8	13	9	6	7	5	4	85
West	14	8	69	17	5	9	5	5	9	142
Dublin	32	13	18	97	40	17	31	26	30	303
Mid-East	14	7	5	38	39	4	12	5	6	131
Mid-West	5	6	10	16	4	63	10	22	7	143
South-East	7	7	6	29	13	10	94	23	12	201
South-West	5	4	5	25	5	23	23	140	7	238
Other	26	4	4	44	5	5	9	5	102	204
Total	207	84	141	309	132	144	199	236	205	1,657

Table 18 Transport Activity classified by Country of origin and Country of destination, 2000

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
	Tonne-km (million)									
Austria	0	0	0	0	0	0	0	3	0	0
Belgium	0	0	0	0	7	2	0	39	0	0
Denmark	0	0	0	0	0	0	0	53	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	9	0	0	28	11	0	118	10	0
Germany	13	0	0	0	3	4	0	144	0	0
Greece	0	0	0	0	0	0	0	0	0	0
Ireland	10	28	44	0	108	99	13	8,410	76	2
Italy	0	0	0	0	11	0	0	85	3	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	1	0	46	0	0
Portugal	0	0	0	0	0	0	0	7	0	0
Spain	0	0	0	0	10	0	0	93	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	10	8	0	0	46	27	0	901	15	0
Other Countries	0	0	0	0	0	2	0	19	0	0
Total	32	45	44	0	213	147	13	9,918	103	2

Table 18 Transport Activity classified by Country of origin and Country of destination, 2000
-continued

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonne-km (million)							
Austria	2	0	0	0	1	0	6
Belgium	0	0	0	0	13	0	60
Denmark	0	0	0	0	7	0	61
Finland	0	0	0	0	0	0	0
France	0	6	8	0	77	32	300
Germany	1	0	0	0	49	2	216
Greece	0	0	0	0	13	0	13
Ireland	52	0	86	7	611	6	9,553
Italy	0	0	4	0	70	0	173
Luxembourg	0	0	0	0	0	0	0
Netherlands	1	0	0	0	15	0	62
Portugal	0	0	0	0	0	0	7
Spain	0	1	2	0	23	0	129
Sweden	0	0	0	0	3	0	3
United Kingdom	10	0	8	0	686	18	1,729
Other Countries	0	0	0	0	10	6	37
Total	66	7	109	7	1,578	63	12,348

Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2000

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Tonnes carried (thousand)										
Austria	0	0	0	0	0	0	0	1	0	0
Belgium	0	0	0	0	32	3	0	37	0	0
Denmark	0	0	0	0	0	3	0	34	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	42	0	0	45	11	0	111	8	0
Germany	11	0	3	0	4	16	0	99	0	0
Greece	0	0	0	0	1	0	0	0	0	0
Ireland	7	27	27	0	103	81	4	178,018	42	2
Italy	0	0	0	0	9	0	0	41	7	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	1	0	45	0	0
Portugal	0	0	0	0	0	0	0	2	0	0
Spain	0	0	0	0	5	0	0	46	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	7	11	0	0	62	30	0	5,687	9	0
Other Countries	0	0	0	0	0	2	0	11	0	0
Total	25	80	30	0	260	146	4	184,134	66	2

**Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2000
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonnes carried (thousand)							
Austria	2	0	0	0	1	0	5
Belgium	0	0	0	0	22	0	94
Denmark	0	0	0	1	4	0	42
Finland	0	0	0	0	0	0	0
France	3	4	10	0	97	11	342
Germany	4	0	0	0	49	2	188
Greece	0	0	0	0	4	0	5
Ireland	46	0	47	3	2,874	4	181,284
Italy	0	0	2	0	34	0	94
Luxembourg	0	0	0	0	0	0	0
Netherlands	8	0	0	0	25	0	79
Portugal	0	0	0	0	0	0	2
Spain	0	1	3	0	9	0	64
Sweden	0	0	0	0	2	0	2
United Kingdom	15	0	6	0	6,074	9	11,909
Other Countries	0	0	0	0	5	7	25
Total	79	4	68	4	9,201	33	194,135

Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2000

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Vehicle kilometres (million)										
Austria	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	1	0	0	2	0	0
Denmark	0	0	0	0	0	0	0	2	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	1	0	0	4	1	0	7	1	0
Germany	1	0	0	0	0	1	0	10	0	0
Greece	0	0	0	0	0	0	0	0	0	0
Ireland	1	2	2	0	7	8	1	1,349	5	0
Italy	0	0	0	0	1	0	0	5	1	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0	3	0	0
Portugal	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	1	0	0	6	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	1	1	0	0	2	2	0	66	1	0
Other Countries	0	0	0	0	0	0	0	1	0	0
Total	2	4	2	0	16	13	1	1,451	8	0

**Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2000
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Vehicle kilometres (million)							
Austria	0	0	0	0	0	0	1
Belgium	0	0	0	0	1	0	4
Denmark	0	0	0	0	1	0	3
Finland	0	0	0	0	0	0	0
France	0	0	1	0	4	2	20
Germany	0	0	0	0	3	0	15
Greece	0	0	0	0	1	0	1
Ireland	4	0	6	1	66	1	1,452
Italy	0	0	0	0	4	0	10
Luxembourg	0	0	0	0	0	0	0
Netherlands	0	0	0	0	1	0	4
Portugal	0	0	0	0	0	0	0
Spain	0	0	1	0	1	0	9
Sweden	0	0	0	0	0	0	0
United Kingdom	1	0	1	0	57	1	132
Other Countries	0	0	0	0	1	1	4
Total	6	0	8	1	139	5	1,657

Chapter 4
Detailed Results
1999
(Revised)

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 1999

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	7,019	7,019	0	86,842	86,842
Manufacturing industry	1,161	119	1,280	32,879	3,219	36,097
Mining & quarrying (incl. sand & gravel merchants)	324	49	373	13,585	2,263	15,848
Creameries & agricultural cooperative societies	235	14	249	4,699	222	4,921
Manufacture of food & feeding stuffs	137	2	138	2,259	69	2,327
Manufacture of drink & tobacco	65	0	65	937	0	937
Manufacture of glass, cement & clay products	186	15	201	8,272	333	8,605
Other manufacturing	215	39	254	3,127	332	3,459
Building & Construction	135	40	175	5,335	829	6,164
Distribution	705	163	869	11,308	2,008	13,316
Agriculture & livestock dealing	125	16	140	2,057	303	2,361
Local Authorities	141	11	151	5,199	181	5,380
Other	498	142	640	10,436	3,377	13,813
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 2 Transport Activity classified by Vehicle capacity, National/International journeys and Main use of vehicle, 1999

Type of Journey and Vehicle Capacity	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Vehicle capacity (kg)						
Up to 5,000	81	29	110	1,490	544	2,034
5,001 - 10,000	218	144	362	5,282	2,139	7,420
10,001 - 15,000	211	160	371	5,997	3,466	9,463
15,001 - 20,000	499	524	1,023	14,180	11,334	25,514
20,001 - 25,000	234	934	1,169	6,859	15,906	22,765
25,001 - 35,000	1,169	2,716	3,885	28,329	48,230	76,559
Over 35,000	199	686	886	3,148	8,779	11,928
Total	2,612	5,193	7,805	65,285	90,399	155,684
International journeys						
Vehicle capacity (kg)						
Up to 5,000	1	0	1	6	0	6
5,001 - 10,000	8	5	13	73	22	95
10,001 - 15,000	5	9	14	32	17	50
15,001 - 20,000	23	150	173	500	321	821
20,001 - 25,000	33	658	691	285	1,620	1,905
25,001 - 35,000	54	547	602	818	1,999	2,817
Over 35,000	28	948	976	215	2,380	2,595
Total	153	2,316	2,469	1,929	6,359	8,288
Total						
Vehicle capacity (kg)						
Up to 5,000	81	29	110	1,496	544	2,040
5,001 - 10,000	226	149	375	5,354	2,161	7,515
10,001 - 15,000	216	169	385	6,029	3,483	9,513
15,001 - 20,000	522	674	1,196	14,680	11,655	26,335
20,001 - 25,000	267	1,592	1,860	7,144	17,526	24,670
25,001 - 35,000	1,224	3,263	4,487	29,147	50,230	79,377
Over 35,000	228	1,634	1,862	3,363	11,160	14,523
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 1999

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	58	58	0	937	937
5,001 - 7,500	0	280	280	0	4,477	4,477
7,501 - 10,000	0	996	996	0	12,625	12,625
10,001 - 12,500	0	4,047	4,047	0	48,876	48,876
Over 12,500	0	1,637	1,637	0	19,927	19,927
Total	0	7,019	7,019	0	86,842	86,842
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	246	84	330	5,454	1,116	6,571
5,001 - 7,500	312	35	347	7,442	648	8,090
7,501 - 10,000	462	62	524	12,715	1,253	13,968
10,001 - 12,500	1,096	185	1,281	27,372	4,958	32,330
Over 12,500	649	124	774	14,231	1,941	16,172
Total	2,765	491	3,255	67,214	9,917	77,131
Total						
Unladen weight (kg)						
2,000 - 5,000	246	142	388	5,454	2,053	7,507
5,001 - 7,500	312	316	627	7,442	5,126	12,567
7,501 - 10,000	462	1,058	1,520	12,715	13,878	26,593
10,001 - 12,500	1,096	4,232	5,328	27,372	53,834	81,206
Over 12,500	649	1,762	2,411	14,231	21,868	36,099
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 1999

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Border	358	854	1,212	10,321	12,151	22,473
Midland	170	305	475	5,254	3,961	9,215
West	335	459	794	7,805	8,534	16,339
Dublin	395	1,307	1,702	8,987	21,287	30,274
Mid-East	302	553	855	7,784	11,396	19,180
Mid-West	229	612	841	5,279	8,652	13,931
South-East	379	871	1,249	8,247	11,405	19,652
South-West	517	987	1,504	12,120	14,927	27,048
Other	81	1,562	1,643	1,416	4,445	5,861
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 5 Transport Activity classified by Business of owner, Length of haul and Main use of vehicle, 1999

Business of owner of vehicle and Length of haul	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Length of haul (km)						
Up to 10	0	75	75	0	12,368	12,368
11-25	0	390	390	0	24,018	24,018
26-50	0	558	558	0	15,617	15,617
51-150	0	1,833	1,833	0	21,462	21,462
151-500	0	2,666	2,666	0	11,906	11,906
Over 500	0	1,498	1,498	0	1,470	1,470
Total	0	7,019	7,019	0	86,842	86,842
Other businesses						
Length of haul (km)						
Up to 10	68	11	78	11,722	1,908	13,629
11-25	346	45	391	22,624	2,932	25,556
26-50	495	60	555	15,039	1,751	16,790
51-150	995	179	1,174	13,554	2,358	15,912
151-500	775	186	961	4,132	956	5,088
Over 500	85	10	95	144	12	156
Total	2,765	491	3,255	67,214	9,917	77,131
Total						
Length of haul (km)						
Up to 10	68	86	154	11,722	14,276	25,998
11-25	346	435	781	22,624	26,950	49,575
26-50	495	618	1,113	15,039	17,368	32,407
51-150	995	2,011	3,006	13,554	23,820	37,373
151-500	775	2,852	3,627	4,132	12,862	16,994
Over 500	85	1,508	1,593	144	1,482	1,625
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 6 Transport Activity classified by Main type of work and Main use of vehicle, 1999

Main type of work done by vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Import/export work ¹	11	2,197	2,208	135	10,176	10,310
Carriage of livestock	44	79	123	680	872	1,552
Carriage of other farm produce from farms	82	135	217	1,585	2,479	4,065
Carriage of fertilisers, feedingstuffs etc. to farms	106	258	364	2,048	2,825	4,873
Delivery of goods to road works or building sites	614	795	1,409	24,145	29,863	54,008
Delivery of goods to retail outlets	263	784	1,047	4,509	8,598	13,107
Delivery of goods to wholesalers	104	553	657	1,059	4,684	5,743
Delivery of materials and fuels to factories	149	545	693	2,593	6,473	9,066
Delivery of goods to households	52	23	75	2,068	379	2,447
Other work	1,340	2,141	3,482	28,390	30,410	58,801
Total	2,765	7,510	10,275	67,214	96,758	163,972

¹ Includes work done to and from ports as well as roll-on/roll-off and cross-border work

Table 7 Transport Activity classified by National/International journeys and Main use of vehicle, 1999

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	2,612	5,193	7,805	65,285	90,399	155,684
International Journeys						
Goods loaded in Ireland	72	755	826	513	1,914	2,427
Goods unloaded in Ireland	59	814	873	772	1,962	2,734
Cross trade	0	354	354	1	402	402
Cabotage	22	394	416	643	2,081	2,725
Total International	153	2,316	2,469	1,929	6,359	8,288
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 8 Transport Activity classified by National/International journeys, Quarter and Main use of vehicle, 1999

National/International and Quarter	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
January - March	636	1,154	1,791	16,194	20,379	36,572
April - June	700	1,325	2,025	17,532	21,168	38,699
July - September	589	1,272	1,861	15,901	24,457	40,357
October - December	686	1,443	2,129	15,659	24,396	40,055
Total	2,612	5,193	7,805	65,285	90,399	155,684
International journeys						
January - March	32	400	432	627	1,092	1,719
April - June	34	456	490	240	1,150	1,390
July - September	32	566	598	413	1,415	1,828
October - December	55	894	949	649	2,703	3,352
Total	153	2,316	2,469	1,929	6,359	8,288
Total						
January - March	668	1,554	2,222	16,821	21,471	38,291
April - June	734	1,781	2,515	17,772	22,318	40,089
July - September	621	1,838	2,459	16,313	25,872	42,185
October - December	741	2,337	3,078	16,309	27,099	43,407
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 9 Transport Activity classified by Group of goods and National/International journeys, 1999

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	National journeys	International journeys	Total	National journeys	International journeys	Total
Agricultural products & live animals	929	441	1,370	11,131	1,292	12,423
Foodstuffs & animal fodder	1,767	637	2,404	23,597	1,766	25,363
Solid mineral fuels	133	40	174	2,700	251	2,951
Petroleum products	644	25	669	9,410	187	9,597
Ores & metal waste	56	15	71	540	50	589
Metal products	143	36	180	1,465	155	1,620
Crude & manufactured minerals, building materials	2,021	111	2,131	77,855	1,698	79,552
Fertilisers	295	45	339	4,473	283	4,756
Chemicals	225	29	255	3,279	175	3,454
Machinery, transport equipment, manufactured articles & miscellaneous articles	1,026	391	1,416	14,810	1,159	15,969
Mixed loads	567	699	1,266	6,425	1,274	7,699
Total	7,805	2,469	10,275	155,684	8,288	163,972

Table 10 Transport Activity classified by Group of goods and Main use of vehicle, 1999

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	273	1,097	1,370	3,798	8,625	12,423
Foodstuffs & animal fodder	638	1,766	2,404	10,116	15,247	25,363
Solid mineral fuels	58	115	174	1,608	1,343	2,951
Petroleum products	367	302	669	5,632	3,965	9,597
Ores & metal waste	19	52	71	156	434	589
Metal products	41	139	180	433	1,187	1,620
Crude & manufactured minerals, building materials	833	1,298	2,131	36,139	43,413	79,552
Fertilisers	78	261	339	1,634	3,121	4,756
Chemicals	58	196	255	1,042	2,411	3,454
Machinery, transport equipment, manufactured articles & miscellaneous articles	320	1,096	1,416	5,182	10,788	15,969
Mixed loads	79	1,186	1,266	1,473	6,225	7,699
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 11 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 1999

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	19,500	3,126	22,626	12,130	2,263	14,393
5,001 - 7,500	7,224	2,351	9,575	4,813	1,970	6,783
7,501 - 10,000	5,767	3,439	9,205	3,768	2,920	6,688
10,001 - 12,500	5,459	6,582	12,041	3,805	5,840	9,644
Over 12,500	2,466	2,474	4,940	1,700	2,197	3,897
Total	40,416	17,971	58,388	26,215	15,190	41,406
Year of manufacture						
1998-1999	3,169	2,212	5,381	2,233	1,875	4,108
1996-1997	4,933	2,814	7,747	3,339	2,341	5,680
1994-1995	4,520	2,917	7,436	2,908	2,557	5,465
1992-1993	4,327	2,304	6,630	3,062	2,049	5,111
1990-1991	5,631	2,271	7,902	3,894	1,920	5,814
1989 or before	17,837	5,454	23,291	10,779	4,448	15,228
Total	40,416	17,971	58,388	26,215	15,190	41,406

Table 12 Transport Activity classified by Year of manufacture and Main use of vehicle, 1999

Year of manufacture of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
1998-1999	317	1,432	1,749	6,809	15,402	22,211
1996-1997	505	1,717	2,223	9,859	16,687	26,547
1994-1995	527	1,622	2,149	10,568	16,161	26,729
1992-1993	436	977	1,413	8,240	11,754	19,994
1990-1991	306	629	936	10,449	11,136	21,585
1989 or before	673	1,133	1,806	21,289	25,618	46,907
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 13 Transport Activity classified by Body type and Main use of vehicle, 1999

Type of vehicle and Body type	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Rigid/Rigid with Trailer						
Platform or sided	224	318	543	6,447	8,062	14,509
Tipper	318	261	579	12,115	11,821	23,936
Tanker or other bulk carrier	156	49	204	3,908	1,675	5,582
Insulated or refrigerated box	40	15	55	772	118	890
Box or van body	177	227	404	3,906	3,097	7,002
Livestock carrier	18	29	47	346	310	656
Other	247	310	557	7,399	8,704	16,103
Total	1,180	1,209	2,389	34,893	33,786	68,679
Articulated						
Platform or sided	766	2,420	3,187	14,364	25,803	40,167
Tipper	59	438	497	2,039	6,209	8,248
Tanker or other bulk carrier	238	459	697	3,886	5,916	9,802
Insulated or refrigerated box	20	764	784	178	1,919	2,097
Box or van body	60	492	552	1,605	4,066	5,671
Livestock carrier	13	39	52	118	174	292
Other	429	1,688	2,117	10,132	18,885	29,017
Total	1,585	6,301	7,886	32,321	62,972	95,293
All Vehicles						
Platform or sided	991	2,739	3,729	20,811	33,865	54,676
Tipper	377	699	1,076	14,154	18,030	32,184
Tanker or other bulk carrier	394	507	901	7,794	7,590	15,384
Insulated or refrigerated box	60	779	839	950	2,037	2,987
Box or van body	237	719	956	5,511	7,163	12,674
Livestock carrier	31	68	99	464	484	947
Other	676	1,998	2,674	17,531	27,589	45,120
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 14 Vehicle Kilometres travelled classified by Business of owner and Main use of vehicle, 1999

Business of owner of vehicle	Loaded vehicle kilometres (million)			Total vehicle kilometres (million)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	493	493	0	753	753
Manufacturing industry	121	10	131	208	15	223
Mining & quarrying (incl. sand & gravel merchants)	21	3	24	40	6	46
Creameries & agricultural cooperative societies	20	1	21	31	2	33
Manufacture of food & feeding stuffs	20	0	20	33	0	33
Manufacture of drink & tobacco	7	0	7	9	0	9
Manufacture of glass, cement & clay products	12	1	12	22	1	24
Other manufacturing	42	5	47	72	6	78
Building & Construction	20	3	23	36	6	41
Distribution	118	18	136	181	29	209
Agriculture & livestock dealing	19	2	21	34	4	37
Local Authorities	13	1	14	27	2	29
Other	76	19	95	127	31	158
Total	366	546	913	612	840	1,452

Table 15 Transport Activity classified by National/International Journeys, Axle configuration and Main use of Vehicle, 1999

Type of Journey and Axle Configuration	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Rigid						
2 axle	519	359	878	12,553	5,864	18,417
3 axle	327	253	580	10,126	6,262	16,388
Other rigid	294	482	775	11,355	20,715	32,069
Rigid + trailer	7	46	53	141	559	700
Articulated						
3 axle	235	377	612	6,184	6,701	12,885
4 axle	830	1,814	2,644	19,217	28,452	47,670
Other articulated	401	1,862	2,263	5,709	21,846	27,555
Total	2,612	5,193	7,805	65,285	90,399	155,684
International journeys						
Rigid						
2 axle	16	20	36	144	103	248
3 axle	10	5	15	327	28	355
Other rigid	7	25	33	246	225	471
Rigid + trailer	0	18	18	0	31	31
Articulated						
3 axle	8	153	162	211	371	583
4 axle	59	618	677	673	1,919	2,592
Other articulated	53	1,476	1,529	327	3,683	4,009
Total	153	2,316	2,469	1,929	6,359	8,288
Total						
Rigid						
2 axle	535	379	914	12,697	5,968	18,665
3 axle	337	258	595	10,454	6,290	16,744
Other rigid	301	507	808	11,601	20,939	32,540
Rigid + trailer	7	65	72	141	589	730
Articulated						
3 axle	243	530	773	6,396	7,072	13,468
4 axle	889	2,432	3,321	19,890	30,371	50,261
Other articulated	453	3,338	3,792	6,035	25,529	31,564
Total	2,765	7,510	10,275	67,214	96,758	163,972

Table 16 Transport Activity classified by Region of origin and Region of destination, 1999

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Tonne-km (million)										
Border	486	53	91	170	54	32	40	90	196	1,212
Midland	45	166	46	64	26	31	41	31	25	475
West	66	45	428	69	10	51	33	25	66	794
Dublin	224	106	144	330	154	114	197	222	212	1,702
Mid-East	69	57	42	217	248	37	75	59	51	855
Mid-West	30	26	73	101	18	295	67	155	76	841
South-East	58	58	70	179	94	79	448	130	134	1,249
South-West	34	29	50	208	74	123	158	763	66	1,504
Other	189	19	29	424	47	30	89	45	770	1,643
Total	1,202	558	974	1,761	724	790	1,149	1,520	1,597	10,275
Tonnes carried (thousand)										
Border	16,144	778	740	1,951	1,101	119	185	284	1,170	22,473
Midland	445	5,855	553	735	557	437	403	164	65	9,215
West	867	500	13,633	329	66	514	168	147	117	16,339
Dublin	1,975	1,013	675	18,881	4,430	562	1,381	839	516	30,274
Mid-East	1,282	831	222	5,835	9,457	193	965	246	149	19,180
Mid-West	139	268	579	526	91	9,679	961	1,618	72	13,931
South-East	241	557	298	1,211	1,015	1,340	13,766	972	252	19,652
South-West	101	158	204	826	275	1,259	1,234	22,904	87	27,048
Other	1,394	72	112	755	165	45	110	81	3,127	5,861
Total	22,587	10,034	17,015	31,048	17,157	14,148	19,174	27,255	5,554	163,972

Table 17 Vehicle Kilometres travelled classified by Region of origin and Region of destination, 1999

Region of Origin	Region of Destination									Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Other	
Vehicle kilometres (million)										
Border	83	7	12	29	11	4	5	7	18	178
Midland	8	27	8	13	7	5	7	4	2	80
West	12	8	68	17	5	9	6	5	5	134
Dublin	32	14	17	76	32	16	31	26	22	266
Mid-East	13	6	5	31	45	5	14	9	4	131
Mid-West	4	5	9	16	4	50	11	24	6	129
South-East	5	6	6	28	14	11	73	20	9	173
South-West	6	4	5	26	9	21	20	126	6	224
Other	18	2	2	32	4	3	7	4	67	138
Total	180	80	133	269	131	123	174	224	137	1,452

Table 18 Transport Activity classified by Country of origin and Country of destination, 1999

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
	Tonne-km (million)									
Austria	0	0	0	0	0	0	0	1	0	0
Belgium	0	0	0	0	4	3	0	23	0	0
Denmark	0	2	0	0	0	0	0	29	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	9	0	0	24	2	0	141	21	0
Germany	1	1	0	0	1	5	0	89	0	0
Greece	0	0	0	0	0	0	0	0	0	0
Ireland	4	12	10	0	129	77	0	7,805	58	0
Italy	0	0	0	0	31	0	0	55	3	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	4	0	0	2	0	35	0	0
Portugal	0	0	0	0	0	0	0	3	0	0
Spain	0	0	0	0	13	0	0	53	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	2	0	0	20	8	8	434	11	0
Other Countries	0	0	0	0	0	0	0	10	0	0
Total	5	28	14	0	222	96	8	8,678	93	0

**Table 18 Transport Activity classified by Country of origin and Country of destination, 1999
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonne-km (million)							
Austria	0	0	0	0	1	0	2
Belgium	1	0	0	0	5	0	37
Denmark	4	0	0	0	6	0	40
Finland	0	0	0	0	0	0	0
France	2	3	18	0	73	1	294
Germany	0	0	0	0	30	0	128
Greece	0	0	0	0	0	0	0
Ireland	48	0	44	10	419	15	8,632
Italy	0	0	8	0	19	0	117
Luxembourg	0	0	0	0	0	0	0
Netherlands	1	0	0	0	12	0	54
Portugal	0	0	1	0	2	0	6
Spain	0	2	1	0	12	0	80
Sweden	0	0	0	0	0	0	0
United Kingdom	2	0	4	0	382	2	875
Other Countries	0	0	0	0	0	0	10
Total	58	5	77	10	961	19	10,275

Table 19 Weight of goods carried classified by Country of origin and Country of destination, 1999

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Tonnes carried (thousand)										
Austria	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	18	5	0	28	0	0
Denmark	0	3	0	0	0	0	0	16	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	29	0	0	59	5	0	115	22	0
Germany	1	2	0	0	2	17	0	63	0	0
Greece	0	0	0	0	0	0	0	0	0	0
Ireland	2	15	6	0	135	63	0	155,684	36	0
Italy	0	0	0	0	35	0	0	30	16	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	3	0	1	3	0	37	0	0
Portugal	0	0	0	0	0	0	0	1	0	0
Spain	0	0	0	0	10	0	0	24	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	4	0	0	17	9	3	2,412	6	0
Other Countries	0	0	0	0	0	0	0	8	0	0
Total	3	53	9	0	276	101	3	158,418	79	0

**Table 19 Weight of goods carried classified by Country of origin and Country of destination, 1999
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Tonnes carried (thousand)							
Austria	0	0	0	0	1	0	2
Belgium	3	0	0	0	9	0	62
Denmark	3	0	0	0	5	0	26
Finland	0	0	0	0	0	0	0
France	4	2	19	0	91	1	347
Germany	0	0	0	0	31	0	116
Greece	0	0	0	0	0	0	0
Ireland	47	0	25	5	2,084	9	158,111
Italy	0	0	4	0	14	0	99
Luxembourg	0	0	0	0	0	0	0
Netherlands	5	0	0	0	16	0	64
Portugal	0	0	2	0	1	0	4
Spain	0	2	2	0	6	0	45
Sweden	0	0	0	1	0	0	1
United Kingdom	3	0	3	0	2,625	2	5,085
Other Countries	0	0	0	0	0	1	9
Total	65	4	55	6	4,885	14	163,972

Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 1999

Country of Origin	Country of Destination									
	Austria	Belgium	Denmark	Finland	France	Germany	Greece	Ireland	Italy	Luxembourg
Vehicle kilometres (million)										
Austria	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	0	0	0	2	0	0
Denmark	0	0	0	0	0	0	0	1	0	0
Finland	0	0	0	0	0	0	0	0	0	0
France	0	1	0	0	4	0	0	9	1	0
Germany	0	0	0	0	0	2	0	7	0	0
Greece	0	0	0	0	0	0	0	0	0	0
Ireland	0	1	1	0	8	6	0	1,243	4	0
Italy	0	0	0	0	2	0	0	4	1	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0	3	0	0
Portugal	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	2	0	0	3	0	0
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	1	1	0	41	1	0
Other Countries	0	0	0	0	0	0	0	1	0	0
Total	1	3	1	0	18	10	0	1,314	7	0

**Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 1999
-continued**

Country of Origin	Country of Destination						Total
	Netherlands	Portugal	Spain	Sweden	United Kingdom	Other Countries	
Vehicle kilometres (million)							
Austria	0	0	0	0	0	0	0
Belgium	0	0	0	0	0	0	3
Denmark	0	0	0	0	1	0	2
Finland	0	0	0	0	0	0	0
France	0	0	1	0	4	0	21
Germany	0	0	0	0	2	0	12
Greece	0	0	0	0	0	0	0
Ireland	3	0	3	1	40	1	1,314
Italy	0	0	0	0	1	0	8
Luxembourg	0	0	0	0	0	0	0
Netherlands	0	0	0	0	1	0	5
Portugal	0	0	0	0	0	0	1
Spain	0	0	1	0	1	0	7
Sweden	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	32	0	77
Other Countries	0	0	0	0	0	0	1
Total	5	0	6	1	83	2	1,452

Chapter 5

Detailed Results 1995-1998

Detailed Results

1998

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 1998

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	5,500	5,500	0	73,347	73,347
Manufacturing industry	1,033	50	1,083	31,033	948	31,982
Mining & quarrying (incl. sand & gravel merchants)	316	8	324	13,040	380	13,421
Creameries & agricultural cooperative societies	174	3	177	4,852	67	4,919
Manufacture of food & feeding stuffs	108	3	111	1,472	28	1,500
Manufacture of drink & tobacco	36	21	56	599	125	724
Manufacture of glass, cement & clay products	167	4	171	6,605	197	6,801
Other manufacturing	233	11	244	4,465	151	4,616
Building & Construction	108	7	115	4,404	281	4,685
Distribution	616	117	733	11,528	1,360	12,888
Agriculture & livestock dealing	121	29	150	2,264	273	2,537
Local Authorities	111	0	111	4,898	7	4,905
Other	390	121	511	9,332	3,235	12,567
Total	2,379	5,824	8,203	63,459	79,451	142,911

Table 2 Transport Activity classified by National/International journeys and Main use of vehicle, 1998

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	2,259	4,200	6,459	62,645	76,388	139,033
International Journeys						
Goods loaded in Ireland	69	729	798	400	1,297	1,698
Goods unloaded in Ireland	45	640	685	317	1,240	1,557
Cross trade	3	177	180	5	166	171
Cabotage	3	78	81	92	360	452
Total International	120	1,624	1,744	814	3,064	3,878
Total	2,379	5,824	8,203	63,459	79,451	142,911

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 1998

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	53	53	0	1,315	1,315
5,001 - 7,500	0	225	225	0	3,492	3,492
7,501 - 10,000	0	999	999	0	14,653	14,653
10,001 - 12,500	0	3,026	3,026	0	38,433	38,433
Over 12,500	0	1,198	1,198	0	15,454	15,454
Total	0	5,500	5,500	0	73,347	73,347
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	284	64	349	6,410	720	7,130
5,001 - 7,500	294	36	330	8,444	818	9,262
7,501 - 10,000	509	48	557	13,599	860	14,460
10,001 - 12,500	753	115	868	22,503	3,014	25,517
Over 12,500	540	60	600	12,503	692	13,195
Total	2,379	324	2,703	63,459	6,105	69,564
Total						
Unladen weight (kg)						
2,000 - 5,000	284	117	401	6,410	2,035	8,445
5,001 - 7,500	294	261	555	8,444	4,310	12,754
7,501 - 10,000	509	1,046	1,555	13,599	15,514	29,113
10,001 - 12,500	753	3,142	3,894	22,503	41,447	63,950
Over 12,500	540	1,258	1,798	12,503	16,146	28,649
Total	2,379	5,824	8,203	63,459	79,451	142,911

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 1998

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
East	688	1,590	2,278	17,402	26,783	44,185
South east	348	715	1,064	8,152	8,912	17,064
South west	378	744	1,121	9,974	12,473	22,447
Mid-west	210	521	732	6,519	9,643	16,162
West	222	349	571	6,757	5,163	11,920
North west and Donegal	130	186	316	4,243	3,432	7,676
North east	199	556	754	5,341	7,711	13,052
Midlands	153	267	420	4,657	3,567	8,224
Northern Ireland	29	106	135	394	806	1,201
Other	22	789	811	19	960	980
Total	2,379	5,824	8,203	63,459	79,451	142,911

Table 5 Transport Activity classified by Group of goods and Main use of vehicle, 1998

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	267	815	1,083	3,831	7,098	10,930
Foodstuffs & animal fodder	592	1,369	1,961	11,032	11,121	22,153
Solid mineral fuels	30	88	118	900	1,195	2,094
Petroleum products	190	253	442	4,393	3,429	7,822
Ores & metal waste	18	42	60	190	614	804
Metal products	37	93	131	476	939	1,415
Crude & manufactured minerals, building materials	769	1,041	1,810	32,445	36,705	69,149
Fertilisers	54	219	273	1,704	2,603	4,307
Chemicals	45	203	247	715	2,040	2,755
Machinery, transport equipment, manufactured articles & miscellaneous articles	283	907	1,190	6,031	8,720	14,750
Mixed loads	95	794	888	1,742	4,988	6,729
Total	2,379	5,824	8,203	63,459	79,451	142,911

Table 6 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 1998

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	18,215	2,751	20,967	12,565	2,185	14,750
5,001 - 7,500	6,946	2,195	9,141	5,022	1,819	6,841
7,501 - 10,000	5,246	3,260	8,506	3,728	2,810	6,538
10,001 - 12,500	3,855	4,915	8,769	2,838	4,263	7,101
Over 12,500	1,958	1,697	3,655	1,416	1,494	2,909
Total	36,220	14,817	51,037	25,569	12,572	38,140
Year of manufacture						
1997-1998	2,692	1,390	4,082	1,921	1,261	3,182
1995-1996	3,589	1,894	5,483	2,489	1,683	4,172
1993-1994	2,672	1,502	4,173	1,814	1,336	3,150
1991-1992	2,785	1,090	3,875	2,153	964	3,117
1989-1990	5,067	2,330	7,397	4,109	2,041	6,150
1988 or before	19,414	6,612	26,026	13,083	5,287	18,369
Total	36,220	14,817	51,037	25,569	12,572	38,140

Table 7 Transport Activity classified by Region of origin and Region of destination, 1998

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Tonne-km (million)											
East	892	197	266	139	140	64	169	147	49	216	2,278
South east	224	394	130	69	38	23	31	51	21	83	1,064
South west	158	131	584	87	22	16	19	24	5	75	1,121
Mid-west	70	91	98	293	42	12	11	19	2	94	732
West	62	27	22	24	302	34	16	35	10	39	571
North west and Donegal	22	7	10	5	25	165	13	13	21	35	316
North east	150	112	41	12	30	21	227	47	34	81	754
Midlands	93	34	25	24	34	16	24	136	9	25	420
Northern Ireland	30	7	5	1	11	24	27	6	8	17	135
Other	380	43	37	39	21	21	29	4	29	208	811
Total	2,081	1,044	1,218	692	665	396	566	482	187	872	8,203
Tonnes carried (thousand)											
East	35,388	1,674	1,073	714	656	292	2,310	1,570	287	222	44,185
South east	1,908	12,022	1,148	1,030	167	89	156	393	80	70	17,064
South west	623	1,136	19,315	964	96	44	56	127	11	75	22,447
Mid-west	373	1,454	1,153	12,509	308	36	38	204	7	80	16,162
West	286	142	103	283	10,159	295	93	481	42	37	11,920
North west and Donegal	113	29	29	19	263	6,667	101	203	228	23	7,676
North east	2,534	467	140	51	163	148	8,631	467	367	83	13,052
Midlands	1,193	446	138	242	367	241	333	5,180	49	35	8,224
Northern Ireland	131	25	15	2	39	387	295	30	262	14	1,201
Other	411	41	38	51	22	20	42	7	38	309	980
Total	42,960	17,436	23,152	15,865	12,240	8,219	12,054	8,665	1,374	947	142,911

Table 8 Vehicle kilometres travelled classified by Region of origin and Region of destination, 1998

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Total vehicle kilometres (million)											
East	198	39	26	18	17	8	28	23	6	17	380
South east	38	76	19	14	4	2	5	8	1	6	172
South west	24	19	123	15	3	2	4	3	0	5	199
Mid-west	18	14	16	64	5	1	2	4	0	8	132
West	16	4	4	5	61	6	3	8	1	3	110
North west and Donegal	7	2	2	1	7	36	3	4	3	2	66
North east	27	7	4	2	4	3	47	6	4	5	108
Midlands	23	7	3	4	7	3	6	36	1	2	91
Northern Ireland	5	1	1	0	1	3	4	1	5	1	22
Other	27	3	4	4	1	1	2	1	2	19	64
Total	382	173	201	127	111	64	103	92	23	69	1,344

Detailed Results

1997

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 1997

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	4,887	4,887	0	53,640	53,640
Manufacturing industry	785	62	847	21,275	1,212	22,487
Mining & quarrying (incl. sand & gravel merchants)	143	10	153	6,428	316	6,745
Creameries & agricultural cooperative societies	170	13	183	4,091	225	4,316
Manufacture of food & feeding stuffs	94	10	104	1,313	83	1,397
Manufacture of drink & tobacco	68	2	70	652	28	680
Manufacture of glass, cement & clay products	106	9	115	4,603	385	4,989
Other manufacturing	204	18	222	4,187	174	4,361
Building & Construction	71	6	76	3,187	313	3,500
Distribution	524	112	636	10,545	1,421	11,966
Agriculture & livestock dealing	99	12	110	1,822	164	1,986
Local Authorities	70	3	72	2,419	80	2,499
Other	262	108	369	5,602	2,156	7,758
Total	1,810	5,188	6,998	44,850	58,986	103,836

Table 2 Transport Activity classified by National/International journeys and Main use of vehicle, 1997

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	1,694	3,380	5,074	43,982	55,682	99,664
International Journeys						
Goods loaded in Ireland	63	781	844	426	1,448	1,874
Goods unloaded in Ireland	45	765	810	403	1,368	1,770
Cross trade	4	169	173	5	198	202
Cabotage	5	93	98	35	290	325
Total International	116	1,808	1,924	869	3,304	4,172
Total	1,810	5,188	6,998	44,850	58,986	103,836

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 1997

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	89	89	0	1,417	1,417
5,001 - 7,500	0	218	218	0	2,984	2,984
7,501 - 10,000	0	964	964	0	9,570	9,570
10,001 - 12,500	0	2,642	2,642	0	29,047	29,047
Over 12,500	0	974	974	0	10,621	10,621
Total	0	4,887	4,887	0	53,640	53,640
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	223	28	251	5,783	464	6,248
5,001 - 7,500	239	29	268	6,299	712	7,011
7,501 - 10,000	379	43	422	8,902	933	9,835
10,001 - 12,500	534	146	680	13,818	2,127	15,945
Over 12,500	435	56	491	10,048	1,110	11,158
Total	1,810	301	2,111	44,850	5,346	50,196
Total						
Unladen weight (kg)						
2,000 - 5,000	223	116	340	5,783	1,881	7,665
5,001 - 7,500	239	247	486	6,299	3,696	9,995
7,501 - 10,000	379	1,007	1,386	8,902	10,504	19,405
10,001 - 12,500	534	2,788	3,322	13,818	31,174	44,992
Over 12,500	435	1,030	1,465	10,048	11,731	21,779
Total	1,810	5,188	6,998	44,850	58,986	103,836

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 1997

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
East	475	1,392	1,867	12,082	21,173	33,255
South east	236	469	706	6,019	5,890	11,909
South west	297	711	1,008	8,036	8,960	16,996
Mid-west	171	452	623	4,301	6,087	10,388
West	176	259	435	3,748	3,570	7,318
North west and Donegal	105	214	320	2,268	2,511	4,779
North east	182	355	537	4,942	4,797	9,739
Midlands	115	308	423	3,011	4,142	7,153
Northern Ireland	32	101	133	410	652	1,062
Other	21	926	947	33	1,203	1,236
Total	1,810	5,188	6,998	44,850	58,986	103,836

Table 5 Transport Activity classified by Group of goods and Main use of vehicle, 1997

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	178	888	1,066	2,939	5,978	8,918
Foodstuffs & animal fodder	492	1,314	1,806	8,996	10,195	19,191
Solid mineral fuels	22	70	92	558	918	1,475
Petroleum products	158	222	379	4,027	2,916	6,943
Ores & metal waste	8	20	28	187	224	411
Metal products	24	81	105	269	716	986
Crude & manufactured minerals, building materials	496	716	1,212	19,997	22,993	42,990
Fertilisers	34	140	174	608	1,460	2,069
Chemicals	23	146	170	452	1,491	1,943
Machinery, transport equipment, manufactured articles & miscellaneous articles	265	754	1,019	4,817	7,090	11,907
Mixed loads	110	838	947	1,999	5,005	7,004
Total	1,810	5,188	6,998	44,850	58,986	103,836

Table 6 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 1997

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	17,010	4,345	21,355	12,088	2,819	14,908
5,001 - 7,500	5,571	2,294	7,864	4,429	1,610	6,038
7,501 - 10,000	3,460	3,497	6,957	2,858	2,552	5,410
10,001 - 12,500	2,206	4,234	6,439	1,818	3,507	5,325
Over 12,500	1,176	1,464	2,640	975	1,256	2,232
Total	29,423	15,833	45,256	22,168	11,745	33,912
Year of manufacture						
1996-1997	5,019	2,885	7,904	3,695	2,326	6,021
1994-1995	6,847	4,355	11,202	5,088	3,114	8,203
1992-1993	1,916	1,278	3,194	1,457	1,096	2,553
1990-1991	2,944	1,636	4,579	2,277	1,348	3,625
1988-1989	4,190	2,239	6,429	3,321	1,872	5,193
1987 or before	8,508	3,440	11,948	6,330	1,988	8,318
Total	29,423	15,833	45,256	22,168	11,745	33,912

Table 7 Transport Activity classified by Region of origin and Region of destination, 1997

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Tonne-km (million)											
East	649	165	203	128	113	63	130	133	48	234	1,867
South east	153	257	72	40	18	6	45	33	26	54	706
South west	153	107	458	75	24	10	23	21	20	117	1,008
Mid-west	86	68	100	211	33	12	9	43	5	57	623
West	51	32	16	28	201	28	9	27	6	36	435
North west and Donegal	25	5	7	7	17	128	14	5	35	77	320
North east	127	22	42	16	22	28	173	34	30	45	537
Midlands	71	40	25	28	34	16	23	133	9	46	423
Northern Ireland	20	4	19	4	8	41	21	5	3	9	133
Other	474	38	93	17	9	24	32	2	34	224	947
Total	1,809	737	1,036	556	478	355	478	435	216	898	6,998
Tonnes carried (thousand)											
East	25,774	1,581	805	687	588	299	1,518	1,420	279	305	33,255
South east	1,417	8,640	591	539	89	23	200	265	92	54	11,909
South west	627	962	14,201	742	121	31	72	98	46	95	16,996
Mid-west	479	921	1,275	6,934	281	50	41	333	16	59	10,388
West	246	123	74	310	5,838	283	49	331	25	39	7,318
North west and Donegal	117	13	25	22	167	4,006	95	44	229	61	4,779
North east	1,852	115	137	69	114	204	6,451	318	425	55	9,739
Midlands	856	446	149	348	388	226	246	4,399	46	49	7,153
Northern Ireland	103	9	44	12	38	534	231	31	47	12	1,062
Other	541	34	74	26	11	34	43	6	56	412	1,236
Total	32,012	12,843	17,376	9,688	7,634	5,690	8,946	7,245	1,261	1,141	103,836

Table 8 Vehicle kilometres travelled classified by Region of origin and Region of destination, 1997

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Total vehicle kilometres (million)											
East	172	28	27	20	19	7	22	20	6	21	342
South east	28	62	14	9	3	1	4	6	1	4	131
South west	26	14	102	17	4	2	5	3	2	8	182
Mid-west	18	9	19	52	7	1	2	6	0	5	119
West	17	4	4	7	52	5	4	7	1	3	102
North west and Donegal	6	1	2	2	5	39	3	2	3	5	68
North east	23	4	5	3	4	3	34	4	4	3	86
Midlands	19	6	3	6	7	2	4	32	1	3	82
Northern Ireland	5	1	1	0	1	4	3	1	1	1	19
Other	32	3	6	2	1	1	3	0	2	25	76
Total	345	131	182	117	102	66	84	80	22	78	1,208

Detailed Results

1996

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 1996

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	4,536	4,536	0	46,733	46,733
Manufacturing industry	767	68	835	20,182	1,846	22,028
Mining & quarrying (incl. sand & gravel merchants)	137	19	156	5,869	596	6,465
Creameries & agricultural cooperative societies	193	9	202	4,424	125	4,549
Manufacture of food & feeding stuffs	163	23	187	2,558	318	2,876
Manufacture of drink & tobacco	58	5	64	560	42	602
Manufacture of glass, cement & clay products	82	9	91	4,208	731	4,939
Other manufacturing	133	2	136	2,563	34	2,597
Building & Construction	41	7	48	1,015	92	1,106
Distribution	478	116	594	9,157	1,543	10,700
Agriculture & livestock dealing	101	17	118	2,035	263	2,297
Local Authorities	32	3	35	1,169	85	1,254
Other	85	66	151	2,726	1,477	4,203
Total	1,504	4,812	6,316	36,284	52,038	88,322

Table 2 Transport Activity classified by National/International journeys and Main use of vehicle, 1996

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	1,395	3,038	4,433	35,749	48,578	84,327
International Journeys						
Goods loaded in Ireland	63	846	908	243	1,649	1,891
Goods unloaded in Ireland	47	679	726	292	1,345	1,637
Cross trade	0	177	177	0	189	189
Cabotage	0	72	72	0	277	277
Total International	110	1,774	1,884	536	3,460	3,995
Total	1,504	4,812	6,316	36,284	52,038	88,322

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 1996

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	71	71	0	1,238	1,238
5,001 - 7,500	0	331	331	0	4,635	4,635
7,501 - 10,000	0	856	856	0	9,948	9,948
10,001 - 12,500	0	2,462	2,462	0	23,952	23,952
Over 12,500	0	817	817	0	6,961	6,961
Total	0	4,536	4,536	0	46,733	46,733
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	182	25	207	4,139	413	4,552
5,001 - 7,500	203	24	227	5,260	635	5,895
7,501 - 10,000	287	54	340	7,939	1,212	9,152
10,001 - 12,500	499	113	613	11,691	2,276	13,967
Over 12,500	334	60	394	7,255	768	8,023
Total	1,504	276	1,781	36,284	5,305	41,589
Total						
Unladen weight (kg)						
2,000 - 5,000	182	96	278	4,139	1,651	5,789
5,001 - 7,500	203	355	558	5,260	5,270	10,530
7,501 - 10,000	287	909	1,196	7,939	11,160	19,100
10,001 - 12,500	499	2,575	3,074	11,691	26,228	37,919
Over 12,500	334	877	1,210	7,255	7,729	14,984
Total	1,504	4,812	6,316	36,284	52,038	88,322

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 1996

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
East	338	1,228	1,567	8,394	17,723	26,118
South east	207	541	748	5,805	6,931	12,736
South west	266	548	813	6,043	6,571	12,615
Mid-west	152	434	587	3,566	5,411	8,977
West	120	223	344	3,208	3,238	6,446
North west and Donegal	141	211	352	3,701	1,592	5,294
North east	160	359	518	3,553	4,613	8,166
Midlands	73	340	412	1,721	4,146	5,867
Northern Ireland	20	104	124	258	623	880
Other	27	824	851	35	1,188	1,223
Total	1,504	4,812	6,316	36,284	52,038	88,322

Table 5 Transport Activity classified by Group of goods and Main use of vehicle, 1996

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	163	767	930	2,558	5,281	7,838
Foodstuffs & animal fodder	491	1,394	1,885	9,202	10,598	19,800
Solid mineral fuels	20	55	76	423	650	1,073
Petroleum products	182	162	344	4,139	2,096	6,235
Ores & metal waste	6	32	38	71	217	289
Metal products	17	107	124	354	801	1,155
Crude & manufactured minerals, building materials	307	606	913	13,396	18,491	31,886
Fertilisers	40	134	174	655	1,746	2,401
Chemicals	18	113	131	247	858	1,105
Machinery, transport equipment, manufactured articles & miscellaneous articles	205	653	857	4,081	6,572	10,653
Mixed loads	55	789	844	1,159	4,729	5,888
Total	1,504	4,812	6,316	36,284	52,038	88,322

Table 6 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 1996

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	13,023	5,177	18,199	9,384	3,867	13,250
5,001 - 7,500	5,011	3,037	8,048	3,968	2,533	6,501
7,501 - 10,000	3,335	3,286	6,622	2,713	2,618	5,331
10,001 - 12,500	1,638	3,771	5,409	1,399	3,345	4,744
Over 12,500	838	1,139	1,977	707	1,025	1,732
Total	23,845	16,410	40,255	18,170	13,388	31,558
Year of manufacture						
1995-1996	6,046	4,948	10,994	4,307	3,859	8,166
1993-1994	4,074	3,031	7,105	2,629	2,192	4,820
1991-1992	774	663	1,437	642	575	1,217
1989-1990	2,488	2,034	4,523	2,164	1,805	3,969
1987-1988	4,024	2,712	6,736	3,356	2,390	5,746
1986 or before	6,438	3,022	9,460	5,072	2,567	7,639
Total	23,845	16,410	40,255	18,170	13,388	31,558

Table 7 Transport Activity classified by Region of origin and Region of destination, 1996

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Tonne-km (million)											
East	547	140	170	93	82	49	99	124	27	235	1,567
South east	151	264	66	77	15	14	37	24	27	72	748
South west	139	107	375	81	16	14	13	15	7	47	813
Mid-west	75	60	95	180	41	8	9	37	5	77	587
West	41	14	5	39	144	26	8	29	10	28	344
North west and Donegal	27	6	5	7	15	115	3	9	13	152	352
North east	134	33	37	9	16	25	147	40	33	46	518
Midlands	55	26	26	23	23	36	33	63	8	120	412
Northern Ireland	31	8	4	5	7	22	22	11	7	6	124
Other	425	36	32	16	40	18	40	7	40	197	851
Total	1,625	692	815	529	399	327	412	359	177	981	6,316
Tonnes carried (thousand)											
East	20,022	1,227	697	496	422	235	1,200	1,330	153	337	26,118
South east	1,568	9,060	560	816	94	55	177	207	96	103	12,736
South west	540	948	9,987	827	79	36	39	83	17	58	12,615
Mid-west	442	705	1,141	5,837	360	33	45	316	15	83	8,977
West	205	68	21	389	4,938	287	37	428	37	37	6,446
North west and Donegal	112	22	12	23	150	4,552	39	107	163	114	5,294
North east	1,653	153	122	37	87	142	5,053	419	443	56	8,166
Midlands	574	311	128	271	243	1,169	332	2,661	44	134	5,867
Northern Ireland	181	31	12	16	27	264	210	54	83	4	880
Other	577	47	49	33	41	28	57	12	57	323	1,223
Total	25,873	12,570	12,727	8,745	6,441	6,802	7,189	5,616	1,109	1,249	88,322

Table 8 Vehicle kilometres travelled classified by Region of origin and Region of destination, 1996

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Total vehicle kilometres (million)											
East	150	32	23	23	15	11	23	18	5	24	324
South east	30	66	12	13	3	2	5	5	2	6	143
South west	24	14	83	17	3	1	3	3	1	4	153
Mid-west	21	12	18	50	10	1	2	4	0	8	127
West	14	3	3	10	44	4	2	7	1	2	91
North west and Donegal	9	2	1	1	5	34	3	4	4	8	71
North east	22	4	4	2	2	3	44	6	5	3	95
Midlands	16	4	3	5	7	3	6	17	1	8	70
Northern Ireland	5	1	1	0	1	4	5	1	1	0	19
Other	42	4	3	2	2	1	2	1	2	21	80
Total	333	143	152	123	93	65	94	66	22	83	1,175

Detailed Results

1995

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 1995

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	3,698	3,698	2	41,715	41,717
Manufacturing industry	825	107	932	21,577	2,060	23,637
Mining & quarrying (incl. sand & gravel merchants)	89	24	113	3,778	1,115	4,893
Creameries & agricultural cooperative societies	228	4	232	5,462	230	5,692
Manufacture of food & feeding stuffs	148	30	178	2,651	88	2,739
Manufacture of drink & tobacco	41	0	42	803	6	809
Manufacture of glass, cement & clay products	95	4	98	5,477	239	5,716
Other manufacturing	224	45	269	3,405	383	3,788
Building & Construction	37	10	47	1,374	328	1,701
Distribution	516	44	560	9,667	875	10,542
Agriculture & livestock dealing	77	14	90	1,568	301	1,869
Local Authorities	63	1	64	3,473	51	3,524
Other	57	45	102	1,794	531	2,326
Total	1,575	3,918	5,493	39,455	45,862	85,317

Table 2 Transport Activity classified by National/International journeys and Main use of vehicle, 1995

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	1,483	2,527	4,009	39,019	43,015	82,034
International Journeys						
Goods loaded in Ireland	56	631	687	279	1,298	1,578
Goods unloaded in Ireland	27	561	588	126	1,118	1,244
Cross trade	8	115	122	15	175	189
Cabotage	2	84	86	16	256	272
Total International	93	1,391	1,484	436	2,847	3,283
Total	1,575	3,918	5,493	39,455	45,862	85,317

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 1995

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	74	74	0	1,479	1,479
5,001 - 7,500	0	232	232	2	2,505	2,507
7,501 - 10,000	0	838	838	0	9,873	9,873
10,001 - 12,500	0	1,896	1,896	0	21,037	21,037
Over 12,500	0	659	659	0	6,821	6,821
Total	0	3,698	3,698	2	41,715	41,717
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	165	13	178	4,793	330	5,123
5,001 - 7,500	238	26	264	6,863	541	7,404
7,501 - 10,000	320	28	348	8,848	839	9,688
10,001 - 12,500	510	130	640	11,496	2,114	13,610
Over 12,500	343	23	366	7,453	322	7,775
Total	1,575	220	1,795	39,453	4,147	43,599
Total						
Unladen weight (kg)						
2,000 - 5,000	165	86	251	4,793	1,810	6,603
5,001 - 7,500	238	258	496	6,865	3,047	9,911
7,501 - 10,000	320	866	1,186	8,848	10,712	19,560
10,001 - 12,500	510	2,026	2,536	11,496	23,151	34,647
Over 12,500	343	682	1,024	7,453	7,143	14,596
Total	1,575	3,918	5,493	39,455	45,862	85,317

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 1995

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
East	407	1,101	1,507	8,914	15,063	23,977
South east	216	517	733	5,913	7,923	13,835
South west	379	509	888	9,389	7,712	17,100
Mid-west	117	254	370	2,908	3,914	6,822
West	117	215	332	2,385	2,500	4,885
North west and Donegal	77	128	205	2,247	1,610	3,857
North east	131	243	374	4,510	2,996	7,507
Midlands	96	192	288	3,033	2,595	5,628
Northern Ireland	10	75	85	121	533	655
Other	27	685	712	35	1,016	1,050
Total	1,575	3,918	5,493	39,455	45,862	85,317

Table 5 Transport Activity classified by Group of goods and Main use of vehicle, 1995

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	147	621	768	2,228	4,087	6,315
Foodstuffs & animal fodder	545	998	1,543	10,294	8,064	18,358
Solid mineral fuels	16	31	47	534	368	902
Petroleum products	162	164	326	3,358	2,062	5,420
Ores & metal waste	5	16	21	75	126	200
Metal products	32	35	66	287	372	658
Crude & manufactured minerals, building materials	306	558	864	15,122	18,408	33,529
Fertilisers	57	177	233	980	2,777	3,758
Chemicals	33	153	187	580	1,374	1,954
Machinery, transport equipment, manufactured articles & miscellaneous articles	193	612	804	4,499	5,041	9,539
Mixed loads	80	554	634	1,498	3,183	4,682
Total	1,575	3,918	5,493	39,455	45,862	85,317

Table 6 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 1995

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	12,881	4,276	17,158	9,587	3,050	12,637
5,001 - 7,500	5,006	2,191	7,197	3,934	1,860	5,794
7,501 - 10,000	2,570	2,353	4,923	2,188	1,985	4,173
10,001 - 12,500	1,887	2,975	4,862	1,709	2,732	4,441
Over 12,500	1,032	936	1,968	868	838	1,706
Total	23,377	12,730	36,107	18,286	10,466	28,752
Year of manufacture						
1994-1995	3,776	2,753	6,528	2,977	2,120	5,097
1992-1993	2,350	1,007	3,357	1,682	872	2,554
1990-1991	4,893	2,477	7,370	3,896	1,758	5,655
1988-1989	2,423	1,731	4,154	2,053	1,574	3,627
1986-1987	3,212	1,875	5,087	2,528	1,653	4,181
1985 or before	6,723	2,888	9,611	5,150	2,488	7,638
Total	23,377	12,730	36,107	18,286	10,466	28,752

Table 7 Transport Activity classified by Region of origin and Region of destination, 1995

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Tonne-km (million)											
East	493	122	217	80	88	73	104	106	31	193	1,507
South east	140	296	52	33	15	12	21	27	41	96	733
South west	153	83	458	85	32	3	3	16	6	48	888
Mid-west	51	30	69	131	25	7	3	21	2	32	370
West	32	11	21	53	137	24	6	16	4	28	332
North west and Donegal	13	4	4	4	13	104	7	5	9	42	205
North east	61	15	12	9	7	16	114	25	34	80	374
Midlands	41	36	16	14	28	5	15	92	12	29	288
Northern Ireland	18	3	8	5	3	14	9	16	7	1	85
Other	280	37	72	19	23	13	46	21	21	180	712
Total	1,282	637	930	433	371	272	328	344	167	729	5,493
Tonnes carried (thousand)											
East	18,216	1,116	850	427	431	297	1,196	1,030	198	215	23,977
South east	1,324	10,938	424	302	104	56	109	353	108	119	13,835
South west	608	728	14,582	883	147	10	10	74	17	40	17,100
Mid-west	316	440	834	4,686	202	31	12	248	6	49	6,822
West	167	53	105	426	3,678	174	59	171	21	31	4,885
North west and Donegal	76	22	13	14	117	3,263	53	120	138	42	3,857
North east	867	62	38	37	53	114	5,585	252	400	98	7,507
Midlands	492	317	91	165	364	78	156	3,868	60	36	5,628
Northern Ireland	119	9	19	16	13	182	101	110	83	1	655
Other	453	60	43	28	17	14	36	21	18	360	1,050
Total	22,639	13,745	16,998	6,985	5,128	4,218	7,318	6,248	1,048	991	85,317

Table 8 Vehicle kilometres travelled classified by Region of origin and Region of destination, 1995

Region of Origin	Region of Destination										Total
	East	South east	South west	Mid-west	West	North west and Donegal	North east	Midlands	Northern Ireland	Other	
Total vehicle kilometres (million)											
East	133	25	28	12	10	8	19	14	3	15	267
South east	26	60	11	7	3	1	2	5	2	7	123
South west	27	11	104	13	3	0	1	3	0	4	166
Mid-west	11	7	13	37	7	1	1	4	1	3	85
West	8	3	3	6	48	6	2	5	0	2	83
North west and Donegal	7	1	1	1	6	27	2	2	2	2	51
North east	19	3	1	1	2	2	26	4	2	5	65
Midlands	14	5	3	4	5	1	4	24	1	2	62
Northern Ireland	3	2	1	0	0	2	3	1	1	0	13
Other	20	3	4	2	2	1	3	1	1	22	59
Total	267	120	167	82	85	50	63	62	14	63	974

Chapter 6

Methodology

Survey Methodology

Legal Framework The "National Survey of Transport of Goods by Road" was carried out as part of an EU wide project. Surveys from 1995 to 1998 in this publication were carried out in accordance with Council Directives (78/546/EEC) and (89/462/EEC) on statistical returns in respect of carriage of goods by road, as part of regional statistics. Surveys from 1999 onwards were carried out in accordance with Council Regulation (EC) 1172/98 on statistical returns in respect of the carriage of goods by road.

Data Data on all vehicles taxed as goods vehicles is made available by the Department of the Environment and Local Government for the survey. From this a basic survey register is constructed. It comprises all goods vehicles which had been under licence at any time after 31 December 1988.

The register was updated every eight weeks during each survey year with information from the Department regarding vehicles;

- (i) being registered for the first time,
- (ii) having their motor taxation class changed,
- (iii) being formally scrapped,
- (iv) having their registered owner changed.

The details relating to each vehicle contained on the register which were required for survey purposes were as follows:

- year of manufacture of the vehicle,
- date of first registration of vehicle,
- an indication as to whether the vehicle had been taxed for the carriage of goods on own account or for hire or reward,
- unladen weight of vehicle and
- name and address of the person in whose name the vehicle was most recently taxed (referred to as the owner of the vehicle in the following paragraphs).

Sample Design Information was collected regarding one week's transport activity for a random sample of goods vehicles. The sample was spread evenly over each week during the year. Each week a sample of vehicles was selected from the register and a questionnaire, seeking information on the vehicle and an account of the vehicle's activity during that week, was issued to the owner of the vehicle. For the purposes of sample selection vehicles were divided into 3 strata depending on their unladen weight. A random sample was taken within each of the three unladen weight strata. Different sampling rates were applied in each unladen weight stratum to maximise sampling accuracy for the overall sample. Steps were taken to ensure that the sample rates remained constant across the three vehicle age categories shown in Appendix A. Table J.1 shows the sampling rates used. A breakdown of the three selection strata is shown in Appendix A. The sampling rates remained constant throughout the years and accordingly, since newly registered goods vehicles were being added to the register at regular intervals, the weekly sample size increased gradually as the year progressed.

Table J.1

Unladen Weight		
2-5 tonnes	5-10 tonnes	10 tonnes and over
Sampling Rate %		
15	50	90

Data Collection Survey questionnaires (see Appendix E) were issued during the week prior to the survey week to which they referred. When necessary, reminders were issued 10 days and 20 days after the survey week.

Response Rates **Table K.1**

Year	Number of Forms Selected	Number of Satisfactory Returns	Overall Response Rate %
1995	16,509	7,131	43
1996	14,632	7,274	50
1997	18,515	9,311	50
1998	21,027	9,047	43
1999	31,823	12,064	38
2000	25,695	11,091	43
2001	25,774	10,815	42

Table K.1 above shows the overall response rates for each year from 1995 to 2001. Each year response rates varied across the different unladen weight strata and also differed across the year of manufacture. Response rates for the unladen weight stratum broken down by year of manufacture are presented in Table L.1:

Table L.1

Year of Manufacture		Unladen Weight					
		2-5 tonnes		5-10 tonnes		10 tonnes and over	
		Questionnaires Issued	% Response	Questionnaires Issued	% Response	Questionnaires Issued	% Response
1995	Before 1987	3,225	39	3,057	34	2,062	31
	1987-1991	1,390	52	1,758	48	1,898	47
	After 1991	754	53	835	60	1,530	55
1996	Before 1988	1,179	36	1,490	40	1,115	35
	1988-1992	739	51	1,314	49	1,487	48
	After 1992	1,606	54	1,721	57	3,981	57
1997	Before 1989	1,274	40	2,363	42	2,254	42
	1989-1993	902	48	1,597	50	2,133	51
	After 1993	1,942	58	1,816	58	4,234	56
1998	Before 1990	1,201	37	2,862	36	3,289	37
	1990-1994	687	54	1,241	54	2,154	51
	After 1994	1,671	46	2,564	40	5,358	46
1999	Before 1991	3,111	27	6,250	27	6,776	27
	1991-1995	1,570	48	2,176	47	3,980	44
	After 1995	1,737	52	1,588	53	4,635	53
2000	Before 1992	2,435	35	3,874	33	3,574	32
	1992-1996	1,805	48	2,113	46	3,886	46
	After 1996	2,192	51	1,470	53	4,346	52
2001	Before 1993	1,881	35	3,378	34	3,359	29
	1993-1997	1,513	47	2,235	45	4,107	42
	After 1997	2,372	50	1,615	53	5,314	48

When transfer of ownership or change of address of owner occurred before the survey week, every effort was made to trace the new owner or to ascertain the new address. However, this was not always possible and as a result response rates were lower than would otherwise have been the case.

Where returned questionnaires were either incomplete or unsatisfactorily completed the vehicle owners were queried regarding omissions or erroneous entries. Unless satisfactory

replies were received to such queries these questionnaires were not used in the processing of the survey results and are not included in the calculation of response rates above. Table M.1, below shows the number of vehicles each year that had been scrapped before the relevant survey week.

Table M.1

Year	Number of Returns where vehicle had been scrapped
1995	942
1996	281
1997	531
1998	1,503
1999	2,677
2000	1,061
2001	1,141

Compilation and Grossing

Survey returns were processed on a quarterly basis and in each year the results obtained for each of the four quarters were combined to provide the annual results contained in this report. The same processing scheme was used for each quarter and this involved stringent checking of returns including comparisons with activity levels in previous quarters.

For the grossing up of survey returns to the level of the goods vehicle fleet as a whole, vehicles were classified into a total of 20 strata by subdividing the 3 strata used in sample selection via three additional criteria. These criteria were:

- Year of first registration of the vehicle;
- Whether the vehicle had been taxed for the carriage of goods on own account or for hire or reward and;
- Year of manufacture.

A full description of the 20 strata used, together with their relationship to the 3 sample selection strata, is given in Appendix A. These additional strata were introduced to cater for the following:

- possible under-representation in the sample of vehicles registered for the first time during the survey year;
- possible varying response between vehicles which had been taxed for the carriage of goods on own account on the one hand or for hire or reward on the other.

In each stratum the total number of vehicles on the register was first adjusted to take account of the estimated number of scrapped vehicles. The resultant total number of non-scrapped (i.e. active) vehicles was then divided by the number of non-scrapped vehicles in the sample to provide the stratum vehicle grossing factor.

The weekly activity measures (tonnes carried, tonne-kilometres done etc.) for each sample vehicle were multiplied by 13 to expand them to quarterly levels and then by the relevant vehicle grossing factor to obtain the quarterly estimate covering all *active* vehicles. The estimates for each quarter were then added together to provide the annual results.

The total fleet size for which estimated analyses are provided is the *average* of the number of *active* vehicles in each quarter. Thus the total of vehicles analysed in this report does not relate to the actual goods vehicle fleet at any particular time during the survey year but to the average fleet size during the year. Similarly the fleet classifications provided refer to the average position during the year.

Reliability of Results

Estimation of survey results from data relating to only one week's activity for a sample of vehicles introduces a statistical variability which would not be present if a full year's data had been collected for *every* vehicle. This means that the survey results cannot be taken as accurate to the full degree shown in this report.

The variability is expressed by means of the coefficient of variation. This coefficient gives the relative size of the "sampling error" (variability) present in an estimate compared with the estimate itself. In general, estimates can be said to have a relative precision of twice their

coefficient of variation. The estimated coefficients of variation for the overall tonnes carried, tonne-kilometres and vehicle kilometres estimates for 1999 to 2001 are shown in Table N.1 below. The coefficients of variation for 1995 to 1998 are available on request.

Table N.1

Unladen Weight (Tonnes)	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres		
	Survey Estimate	Co-efficient of Variation	Survey Estimate	Co-efficient of Variation	Survey Estimate	Co-efficient of Variation	
	<i>million</i>	<i>%</i>	<i>thousand</i>	<i>%</i>	<i>million</i>	<i>%</i>	
1999	2-5	388	14	7,507	9	294	4
	5-7.5	627	7	12,567	5	172	4
	7.5-10	1,520	8	26,593	5	239	4
	10-12.5	5,328	2	81,206	3	514	3
	Over 12.5	2,411	4	36,099	3	233	3
	Total	10,275	2	163,972	2	1,452	1
2000	2.5	383	10	7,548	8	315	6
	5-7.5	669	8	13,269	7	165	7
	7.5-10	1,777	6	28,334	5	271	5
	10-12.5	6,054	2	90,493	4	584	1
	Over 12.5	3,465	5	54,492	5	321	5
	Total	12,348	1	194,135	2	1,657	2
2001	2-5	439	13	10,133	14	308	5
	5-7.5	736	11	12,505	8	188	6
	7.5-10	1,776	3	29,160	3	270	3
	10-12.5	5,998	3	93,050	2	575	3
	Over 12.5	3,456	4	59,001	1	327	3
	Total	12,405	1	203,849	1	1,668	2

In general, the more detailed the classification provided the greater the coefficient of variation of the estimates. In the derivation of the results the assumption was made that non-respondents had similar characteristics and activity levels to those of respondents in the same stratification cell. This assumption, which is a standard one in surveys such as this, may have resulted in some slight bias being introduced into the results. Moreover, although every effort was made to ensure that the returns received were correct in all respects it is inevitable that some minor non-sampling errors remained undetected.

Definitions Used **Type of Journey**

Two basic categories of journey were distinguished – split delivery/collection journeys and end-to-end journeys.

- End-to-end journeys are those which have no intermediate collection or delivery points between their origin and destination.
- Split delivery/collection journeys involved the depositing and/or collection of part of the load carried at one or more stopping points along the way. Common examples of such journeys are household bread delivery runs or delivering of beer to public houses with concomitant collection of empties.

Tonnes Carried

- This is the weight of goods (including empties) carried inclusive of packaging etc. but excluding the weight of demountable containers (if any) in which the goods are carried.
- For split delivery/collection journeys, tonnes carried is taken as the weight of goods at the start of the journey plus the weight of any other goods collected during the journey.

Tonne-Kilometre

- For end-to-end journeys this is the result of multiplying the weight of goods carried by the distance they were carried.
- For split delivery/collection journeys more complex formulae were used. These involved multiplying the distance travelled with a load by an estimate of the average weight of load carried.

Road Cabotage Transport

In the context of this report, road cabotage transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in the same country provided that this country is not the Republic of Ireland. It may involve transit through one or more additional countries.

Cross Trade

In the context of this report, cross trade is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in two different countries, provided that neither of these countries is the Republic of Ireland. It may involve transit through one or more additional countries.

International Road Transport

In the context of this report, international transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in two different countries and cabotage by road as defined above. It may involve transit through one or more additional countries.

National Transport

In the context of this report, national transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) both of which are located in the Republic of Ireland.

Appendices

Appendix A

Definition of Strata used in Sample Selection and in the Grossing up of Survey Returns

Vehicle Characteristics				Stratum Number	
Year of Manufacture	Unladen Weight	Taxation Use ¹	Year of First Registration	Grossing Up	Sample Selection
Before (RY – 8)	2-5 tonnes	Immaterial	Immaterial	1	1
“	5-10 tonnes	Own Account	“	2	2
“	“	Hire or Reward	“	3	
“	10 tonnes or over	Own Account	“	4	3
“	“	Hire or Reward	“	5	
(RY– 8) to (RY – 4)	2-5 tonnes	Immaterial	“	6	4
“	5-10 tonnes	Own Account	“	7	5
“	“	Hire or Reward	“	8	
“	10 tonnes or over	Own Account	“	9	6
“	“	Hire or Reward	“	10	
(RY – 3) or later	2-5 tonnes	Immaterial	Before (RY– 4)	11	7
“	“	“	(RY – 4) or later	12	
“	5-10 tonnes	Own Account	Before (RY– 4)	13	8
“	“	“	(RY – 4) or later	14	
“	“	Hire or Reward	Before (RY– 4)	15	
“	“	“	(RY – 4) or later	16	
“	10 tonnes or over	Own Account	Before (RY– 4)	17	9
“	“	“	(RY – 4) or later	18	
“	“	Hire or Reward	Before (RY– 4)	19	
“	“	“	(RY – 4) or later	20	

¹ This is the use (viz. **carriage for hire or reward** or **own account carriage**) stated by the declarant when taxing the vehicle.

Note: RY = Reference Year

Appendix B

The NUTS 3¹ Regions of Ireland²

NUTS 3 Region	Composition
Border	Counties of Cavan, Donegal, Leitrim, Louth, Monaghan and Sligo.
Midland	Counties of Laoighis, Longford, Offaly, and Westmeath.
West	Counties of Galway, Mayo, Roscommon and Galway County Borough.
Dublin	Dublin County Borough, Dun Laoghaire-Rathdown, Fingal, and South Dublin.
Mid-East	Counties of Kildare, Meath and Wicklow.
Mid-West	Counties of Clare, Limerick, Tipperary North Riding, and Limerick County Borough.
South-East	Counties of Carlow, Kilkenny, Tipperary South Riding, Waterford, Wexford and Waterford County Borough.
South-West	Counties of Cork, Kerry and Cork County Borough.

¹ Level 3 of the Nomenclature of Territorial Units for Statistics (NUTS), for the member states of the European Union.

² Used for regional breakdowns from 1999 onwards.

Appendix C

The Planning Regions¹

Planning Region	Composition
North-West & Donegal	Counties of Donegal, Leitrim and Sligo.
North-East	Counties of Cavan, Louth and Monaghan.
Midlands	Counties of Laoighis, Longford, Offaly, Roscommon and Westmeath.
West	Counties of Galway and Mayo, Galway County Borough.
East	Counties of Kildare, Meath and Wicklow, Dublin County Borough, Dun Laoghaire-Rathdown, Fingal, and South Dublin.
Mid-West	Counties of Clare, Limerick and Tipperary North Riding, Limerick County Borough.
South-East	Counties of Carlow, Kilkenny, Tipperary South Riding, Waterford and Wexford, Waterford County Borough.
South-West	Counties of Cork and Kerry, Cork County Borough.

¹ Used for regional breakdowns for tables from 1995 to 1998.

Appendix D

Structure of the Standard Goods Classification for Transport Statistics (NST/R)

CHAPTER TITLE**Contents**

Agricultural products and live animals

- Live animals
- Cereals
- Potatoes
- Other fresh or frozen fruit and vegetables
- Textile materials and man-made fibres
- Wood and Cork
- Sugar beet
- Other raw animal and vegetable materials

Foodstuffs and animal fodder

- Sugars
- Beverages
- Stimulants and spices
- Perishable foodstuffs
- Other non-perishable foodstuffs and hops
- Animal food and foodstuffs waste
- Oil seeds and oleaginous fruit and fats

Solid mineral fuels

- Coal
- Lignite and peat
- Coke

Petroleum products

- Crude petroleum
- Fuel derivatives
- Gaseous hydrocarbons, liquid or compressed
- Non-fuel derivatives

Ores and metal waste

- Iron ore
- Non-ferrous ores and waste
- Iron and steel waste and blast-furnace dust

Metal products

- Pig-iron and crude steel; ferro-alloys
- Semi-finished rolled steel products
- Bars, sections, wire rod, railway and tramway track
construction material of iron or steel
- Steel sheets, plates, hoop and strip
- Tubes, pipes, iron and steel castings and forgings
- Non-ferrous metals

Appendix D (contd.)

Crude and manufactured minerals, building materials

- Sand, gravel, clay and slag
- Salt, iron pyrites, sulphur
- Other stone earths and minerals
- Cement, lime
- Plasters
- Other manufactured building materials

Fertilisers

- Natural fertilisers
- Chemical fertilisers

Chemicals

- Basic chemicals
- Aluminium oxide and hydroxide
- Coal chemicals
- Paper pulp and waste paper
- Other chemical products

Machinery, transport equipment, manufactured articles and miscellaneous articles

- Transport equipment
- Tractors; agricultural machinery and equipment
- Other machinery, apparatus and appliances, engines, parts thereof
- Manufactures of metal
- Glass, glassware, ceramic products
- Leather, textiles and clothing
- Other manufactured articles
- Miscellaneous articles

Mixed loads

- Loads containing goods belonging to different categories