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1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

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Economics and Statistics Administration
U.S. CENSUS BUREAU



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction ¹
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

¹We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported

multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term “shipment.”

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment’s operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various “distance shipped” intervals. Shipments were categorized into these “distance shipped” intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the “Mileage Calculations” section for more details.)

Great circle distance. The shortest distance between two points on the earth’s surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper’s establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:
 - Private truck
 - For-hire truck
 - Rail
 - Shallow draft vessel
 - Deep draft vessel
 - Pipeline

We did not allow for multiple modes in combination with “parcel, U.S. Postal Service or courier,” “unknown,” or “other.” By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment’s mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.
5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as “Other” or “Unknown.”
6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.
7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as “Other multiple modes.”
8. **Great Lakes.** In the tables in this publication, “Great Lakes” appears as a single mode. ORNL’s transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the “Mileage Calculations” section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods

(SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States

exclude any mileages through Canada (see the “Mileage Calculations” section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected

include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site <http://www.census.gov> and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Single modes	1 705 134	83.3	3 021 774	94.0	707 458	89.5	184
Truck ¹	1 506 861	73.6	2 350 961	73.2	325 716	41.2	141
For-hire truck	977 035	47.7	1 170 356	36.4	250 453	31.7	383
Private truck	517 072	25.3	1 156 728	36.0	72 357	9.2	50
Rail	135 895	6.6	436 606	13.6	272 120	34.4	708
Water	13 181	.6	139 884	4.4	101 123	12.8	S
Shallow draft	11 677	.6	100 774	3.1	87 697	11.1	S
Great Lakes	1 480	—	38 359	1.2	13 415	1.7	342
Deep draft	S	S	S	S	S	S	4 155
Air (includes truck and air)	29 652	1.4	1 060	—	1 102	.1	1 239
Pipeline ²	19 545	1.0	93 264	2.9	S	S	S
Multiple modes	261 863	12.8	82 807	2.6	63 954	8.1	733
Parcel, U.S. Postal Service or courier	216 908	10.6	7 865	.2	5 197	.7	732
Truck and rail	41 842	2.0	17 299	.5	18 152	2.3	1 375
Truck and water	465	—	9 200	.3	6 253	.8	3 687
Rail and water	1 098	—	36 838	1.1	30 488	3.9	1 244
Other multiple modes	1 551	—	11 605	.4	3 863	.5	S
Other and unknown modes	79 687	3.9	108 631	3.4	19 137	2.4	99

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1b. Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	2 046 684	1 710 383	19.7	3 213 213	2 638 561	21.8	790 549	665 809	18.7	469	411	14.2
Single modes	1 705 134	1 456 097	17.1	3 021 774	2 470 873	22.3	707 458	595 353	18.8	184	186	-1.3
Truck ¹	1 506 861	1 308 726	15.1	2 350 961	1 876 630	25.3	325 716	270 949	20.2	141	140	.3
For-hire truck	977 035	848 435	15.2	1 170 356	865 942	35.2	250 453	206 037	21.6	383	410	-6.7
Private truck	517 072	455 933	13.4	1 156 728	1 004 808	15.1	72 357	63 542	13.9	50	52	-3.2
Rail	135 895	91 129	49.1	436 606	380 139	14.9	272 120	222 918	22.1	708	692	2.4
Water	13 181	10 587	24.5	139 884	126 976	10.2	101 123	93 795	7.8	S	655	S
Shallow draft	11 677	9 372	24.6	100 774	93 733	7.5	87 697	80 952	8.3	S	624	S
Great Lakes	1 480	1 173	26.2	38 359	33 041	16.1	13 415	12 395	8.2	342	534	-36.0
Deep draft	S	43	S	S	S	S	S	S	S	4 155	4 004	3.8
Air (includes truck and air)	29 652	30 509	-2.8	1 060	956	10.9	1 102	977	12.8	1 239	1 224	1.3
Pipeline ²	19 545	15 146	29.0	93 264	86 173	8.2	S	S	S	S	S	S
Multiple modes	261 863	196 178	33.5	82 807	70 064	18.2	63 954	51 065	25.2	733	665	10.1
Parcel, U.S. Postal Service or courier	216 908	152 252	42.5	7 865	6 179	27.3	5 197	3 785	37.3	732	663	10.4
Truck and rail	41 842	39 919	4.8	17 299	9 564	80.9	18 152	11 050	64.3	1 375	1 257	9.4
Truck and water	465	1 859	-75.0	9 200	23 548	-60.9	6 253	15 044	-58.4	3 687	2 546	44.8
Rail and water	1 098	757	45.1	36 838	22 656	62.6	30 488	16 945	79.9	1 244	579	115.0
Other multiple modes	1 551	S	S	11 605	8 116	43.0	3 863	4 241	-8.9	S	1 219	S
Other and unknown modes ...	79 687	58 109	37.1	108 631	97 624	11.3	19 137	19 391	-1.3	99	210	-53.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 1c. Shipment Characteristics by Mode of Transportation for the Region: Percent of Total for 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	83.3	85.1	94.0	93.6	89.5	89.4
Truck ¹	73.6	76.5	73.2	71.1	41.2	40.7
For-hire truck	47.7	49.6	36.4	32.8	31.7	30.9
Private truck	25.3	26.7	36.0	38.1	9.2	9.5
Rail	6.6	5.3	13.6	14.4	34.4	33.5
Water .....	.6	.6	4.4	4.8	12.8	14.1
Shallow draft .....	.6	.5	3.1	3.6	11.1	12.2
Great Lakes	—	—	1.2	1.3	1.7	1.9
Deep draft	S	—	S	S	S	S
Air (includes truck and air)	1.4	1.8	—	—	.1	.1
Pipeline ²	1.0	.9	2.9	3.3	S	S
Multiple modes	12.8	11.5	2.6	2.7	8.1	7.7
Parcel, U.S. Postal Service or courier	10.6	8.9	.2	.2	.7	.6
Truck and rail	2.0	2.3	.5	.4	2.3	1.7
Truck and water	—	.1	.3	.9	.8	2.3
Rail and water	—	—	1.1	.9	3.9	2.5
Other multiple modes	—	S	.4	.3	.5	.6
Other and unknown modes	3.9	3.4	3.4	3.7	2.4	2.9

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 2. Shipment Characteristics by Total Modal Activity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation ¹	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	790 550	100.0	462
Truck	327 814	41.5	139
Rail	295 980	37.4	876
Shallow draft	96 067	12.2	S
Great Lakes	36 917	4.7	359
Deep draft	S	S	5 423
Air	1 015	.1	1 159
Parcel, U.S. Postal Service or courier	5 197	.7	732
Pipeline	S	S	S
Other and unknown modes	19 160	2.4	98

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0
Less than 50 miles	560 044	27.4	1 794 357	55.8	39 551	5.0
50 to 99 miles	177 274	8.7	309 240	9.6	28 808	3.6
100 to 249 miles	346 887	16.9	407 720	12.7	88 214	11.2
250 to 499 miles	342 702	16.7	297 605	9.3	147 657	18.7
500 to 749 miles	241 378	11.8	179 731	5.6	155 257	19.6
750 to 999 miles	144 642	7.1	107 039	3.3	123 325	15.6
1,000 to 1,499 miles	140 361	6.9	91 882	2.9	150 549	19.0
1,500 to 1,999 miles	83 231	4.1	23 087	.7	50 185	6.3
2,000 miles or more	10 165	.5	2 551	—	7 003	.9
Single modes	1 705 134	100.0	3 021 774	100.0	707 458	100.0
Less than 50 miles	492 528	28.9	1 709 018	56.6	38 001	5.4
50 to 99 miles	159 392	9.3	301 695	10.0	27 983	4.0
100 to 249 miles	305 608	17.9	383 386	12.7	82 123	11.6
250 to 499 miles	286 204	16.8	264 791	8.8	125 044	17.7
500 to 749 miles	190 056	11.1	162 881	5.4	141 166	20.0
750 to 999 miles	109 526	6.4	95 326	3.2	109 318	15.5
1,000 to 1,499 miles	100 222	5.9	84 035	2.8	138 823	19.6
1,500 to 1,999 miles	55 670	3.3	18 989	.6	40 820	5.8
2,000 miles or more	5 927	.3	1 653	—	4 181	.6
Truck¹	1 506 861	100.0	2 350 961	100.0	325 716	100.0
Less than 50 miles	469 703	31.2	1 558 878	66.3	34 596	10.6
50 to 99 miles	151 237	10.0	250 742	10.7	22 472	6.9
100 to 249 miles	277 405	18.4	252 644	10.7	50 459	15.5
250 to 499 miles	248 710	16.5	144 545	6.1	62 671	19.2
500 to 749 miles	152 490	10.1	67 406	2.9	49 810	15.3
750 to 999 miles	86 690	5.8	36 840	1.6	37 948	11.7
1,000 to 1,499 miles	74 520	4.9	25 079	1.1	36 531	11.2
1,500 to 1,999 miles	42 057	2.8	13 660	.6	28 410	8.7
2,000 miles or more	4 049	.3	1 168	—	2 818	.9
For-hire truck	977 035	100.0	1 170 356	100.0	250 453	100.0
Less than 50 miles	169 083	17.3	616 747	52.7	14 797	5.9
50 to 99 miles	80 115	8.2	139 938	12.0	12 610	5.0
100 to 249 miles	196 719	20.1	168 887	14.4	34 747	13.9
250 to 499 miles	211 455	21.6	119 649	10.2	52 037	20.8
500 to 749 miles	132 407	13.6	58 251	5.0	43 142	17.2
750 to 999 miles	76 193	7.8	30 478	2.6	31 539	12.6
1,000 to 1,499 miles	68 719	7.0	23 254	2.0	33 916	13.5
1,500 to 1,999 miles	38 576	3.9	12 112	1.0	25 164	10.0
2,000 miles or more	3 768	.4	1 040	—	2 501	1.0
Private truck	517 072	100.0	1 156 728	100.0	72 357	100.0
Less than 50 miles	297 873	57.6	925 125	80.0	19 317	26.7
50 to 99 miles	70 030	13.5	108 171	9.4	9 619	13.3
100 to 249 miles	78 219	15.1	81 869	7.1	15 341	21.2
250 to 499 miles	35 588	6.9	23 826	2.1	10 167	14.1
500 to 749 miles	18 691	3.6	8 495	.7	6 172	8.5
750 to 999 miles	7 980	1.5	6 036	.5	6 079	8.4
1,000 to 1,499 miles	5 344	1.0	1 661	.1	2 386	3.3
1,500 to 1,999 miles	3 090	.6	1 448	.1	3 038	4.2
2,000 miles or more	257	—	96	—	237	.3
Rail	135 895	100.0	436 606	100.0	272 120	100.0
Less than 50 miles	9 170	6.7	76 188	17.4	2 544	.9
50 to 99 miles	3 974	2.9	40 174	9.2	4 458	1.6
100 to 249 miles	19 430	14.3	80 087	18.3	21 077	7.7
250 to 499 miles	29 432	21.7	88 945	20.4	46 412	17.1
500 to 749 miles	27 075	19.9	56 662	13.0	50 365	18.5
750 to 999 miles	16 227	11.9	36 177	8.3	41 867	15.4
1,000 to 1,499 miles	19 351	14.2	52 691	12.1	91 973	33.8
1,500 to 1,999 miles	10 032	7.4	5 230	1.2	12 201	4.5
2,000 miles or more	1 204	.9	451	.1	1 223	.4
Water	13 181	100.0	139 884	100.0	101 123	100.0
Less than 50 miles	1 894	14.4	15 000	10.7	231	.2
50 to 99 miles	265	2.0	4 202	3.0	535	.5
100 to 249 miles	876	6.6	29 122	20.8	6 972	6.9
250 to 499 miles	1 232	9.3	24 770	17.7	13 301	13.2
500 to 749 miles	5 027	38.1	38 668	27.6	40 844	40.4
750 to 999 miles	3 027	23.0	22 178	15.9	29 336	29.0
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	11 677	100.0	100 774	100.0	87 697	100.0
Less than 50 miles	1 245	10.7	10 589	10.5	220	.3
50 to 99 miles	108	.9	2 745	2.7	351	.4
100 to 249 miles	673	5.8	15 685	15.6	4 052	4.6
250 to 499 miles	1 031	8.8	9 022	9.0	6 458	7.4
500 to 749 miles	4 732	40.5	34 612	34.3	37 388	42.6
750 to 999 miles	3 027	25.9	22 178	22.0	29 336	33.5
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	1 480	100.0	38 359	100.0	13 415	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	156	10.6	1 457	3.8	184	1.4
100 to 249 miles	203	13.7	13 436	35.0	2 920	21.8
250 to 499 miles	201	13.6	15 748	41.1	6 843	51.0
500 to 749 miles	S	S	4 056	10.6	3 456	25.8
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	29 652	100.0	1 060	100.0	1 102	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	1 912	6.4	62	5.8	15	1.3
100 to 249 miles	3 690	12.4	241	22.7	64	5.8
250 to 499 miles	5 395	18.2	211	19.9	151	13.7
500 to 749 miles	5 465	18.4	144	13.6	147	13.3
750 to 999 miles	3 581	12.1	132	12.4	167	15.2
1,000 to 1,499 miles	5 355	18.1	139	13.1	221	20.0
1,500 to 1,999 miles	3 581	12.1	99	9.3	208	18.9
2,000 miles or more	673	2.3	32	3.0	129	11.8
Pipeline²	19 545	100.0	93 264	100.0	S	S
Less than 50 miles	11 762	60.2	58 952	63.2	S	S
50 to 99 miles	2 005	10.3	6 515	7.0	S	S
100 to 249 miles	4 207	21.5	21 293	22.8	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	261 863	100.0	82 807	100.0	63 954	100.0
Less than 50 miles	30 491	11.6	5 260	6.4	331	.5
50 to 99 miles	12 750	4.9	S	S	514	.8
100 to 249 miles	34 642	13.2	14 778	17.8	4 412	6.9
250 to 499 miles	48 218	18.4	28 234	34.1	20 509	32.1
500 to 749 miles	44 712	17.1	13 929	16.8	11 996	18.8
750 to 999 miles	30 678	11.7	9 620	11.6	11 772	18.4
1,000 to 1,499 miles	32 530	12.4	3 115	3.8	5 084	7.9
1,500 to 1,999 miles	23 948	9.1	3 095	3.7	7 328	11.5
2,000 miles or more	3 895	1.5	612	.7	2 008	3.1
Parcel, U.S. Postal Service or courier	216 908	100.0	7 865	100.0	5 197	100.0
Less than 50 miles	29 047	13.4	1 178	15.0	28	.5
50 to 99 miles	12 116	5.6	486	6.2	46	.9
100 to 249 miles	32 243	14.9	1 242	15.8	268	5.2
250 to 499 miles	41 123	19.0	1 507	19.2	684	13.2
500 to 749 miles	35 166	16.2	1 247	15.9	941	18.1
750 to 999 miles	25 227	11.6	901	11.5	937	18.0
1,000 to 1,499 miles	24 300	11.2	784	10.0	1 137	21.9
1,500 to 1,999 miles	15 170	7.0	436	5.5	907	17.5
2,000 miles or more	2 516	1.2	85	1.1	249	4.8
Truck and rail	41 842	100.0	17 299	100.0	18 152	100.0
Less than 50 miles	824	2.0	S	S	S	S
50 to 99 miles	550	1.3	S	S	S	S
100 to 249 miles	1 702	4.1	1 535	8.9	434	2.4
250 to 499 miles	6 506	15.5	2 599	15.0	1 565	8.6
500 to 749 miles	9 103	21.8	2 371	13.7	2 125	11.7
750 to 999 miles	4 935	11.8	2 017	11.7	2 413	13.3
1,000 to 1,499 miles	8 204	19.6	2 235	12.9	3 753	20.7
1,500 to 1,999 miles	8 777	21.0	2 659	15.4	6 419	35.4
2,000 miles or more	1 240	3.0	415	2.4	1 124	6.2
Truck and water	465	100.0	9 200	100.0	6 253	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	29	6.2	1 190	12.9	385	6.2
250 to 499 miles	S	S	5 730	62.3	3 260	52.1
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	106	22.7	S	S	S	S

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	1 098	100.0	36 838	100.0	30 488	100.0
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	91	8.3	4 070	11.0	1 136	3.7
250 to 499 miles	510	46.4	17 687	48.0	14 673	48.1
500 to 749 miles	328	29.8	9 759	26.5	8 328	27.3
750 to 999 miles	161	14.6	S	S	6 196	20.3
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	1 551	100.0	11 605	100.0	3 863	100.0
Less than 50 miles	614	39.6	2 774	23.9	232	6.0
50 to 99 miles	73	4.7	819	7.1	S	S
100 to 249 miles	S	S	6 740	58.1	2 189	56.7
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	8	—	36	.9
Other and unknown modes	79 687	100.0	108 631	100.0	19 137	100.0
Less than 50 miles	37 025	46.5	80 080	73.7	1 218	6.4
50 to 99 miles	5 131	6.4	3 381	3.1	311	1.6
100 to 249 miles	6 638	8.3	9 556	8.8	1 679	8.8
250 to 499 miles	8 280	10.4	4 579	4.2	2 104	11.0
500 to 749 miles	6 609	8.3	2 921	2.7	2 095	10.9
750 to 999 miles	4 438	5.6	2 093	1.9	2 236	11.7
1,000 to 1,499 miles	7 609	9.5	4 732	4.4	6 642	34.7
1,500 to 1,999 miles	3 612	4.5	1 004	.9	2 038	10.6
2,000 miles or more	344	.4	286	.3	814	4.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Less than 50 lb	197 920	9.7	6 477	.2	3 152	.4	565
50 to 99 lb	58 889	2.9	3 879	.1	1 217	.2	312
100 to 499 lb	178 441	8.7	22 388	.7	5 298	.7	241
500 to 749 lb	59 480	2.9	11 097	.3	2 707	.3	242
750 to 999 lb	39 596	1.9	9 133	.3	1 892	.2	207
1,000 to 9,999 lb	456 366	22.3	196 466	6.1	42 059	5.3	214
10,000 to 49,999 lb	787 094	38.5	1 263 612	39.3	238 202	30.1	190
50,000 to 99,999 lb	136 800	6.7	634 553	19.7	57 144	7.2	90
100,000 lb or more	132 098	6.5	1 065 606	33.2	438 877	55.5	349
Single modes	1 705 134	100.0	3 021 774	100.0	707 458	100.0	184
Less than 50 lb	52 358	3.1	2 465	—	369	—	179
50 to 99 lb	26 793	1.6	2 331	—	348	—	143
100 to 499 lb	131 130	7.7	19 165	.6	3 828	.5	190
500 to 749 lb	53 713	3.2	10 401	.3	2 498	.4	238
750 to 999 lb	36 318	2.1	8 634	.3	1 767	.2	205
1,000 to 9,999 lb	410 679	24.1	185 511	6.1	38 211	5.4	208
10,000 to 49,999 lb	745 316	43.7	1 236 380	40.9	219 371	31.0	179
50,000 to 99,999 lb	124 661	7.3	623 048	20.6	53 900	7.6	87
100,000 lb or more	124 165	7.3	933 839	30.9	387 165	54.7	344
Truck¹	1 506 861	100.0	2 350 961	100.0	325 716	100.0	141
Less than 50 lb	41 349	2.7	2 353	.1	229	—	89
50 to 99 lb	24 096	1.6	2 291	.1	303	—	127
100 to 499 lb	123 575	8.2	19 003	.8	3 662	1.1	181
500 to 749 lb	52 304	3.5	10 349	.4	2 451	.8	235
750 to 999 lb	35 470	2.4	8 603	.4	1 739	.5	202
1,000 to 9,999 lb	397 847	26.4	184 041	7.8	36 888	11.3	203
10,000 to 49,999 lb	713 089	47.3	1 226 919	52.2	210 339	64.6	173
50,000 to 99,999 lb	97 249	6.5	613 052	26.1	46 811	14.4	78
100,000 lb or more	21 882	1.5	284 351	12.1	23 294	7.2	65
For-hire truck	977 035	100.0	1 170 356	100.0	250 453	100.0	383
Less than 50 lb	12 022	1.2	496	—	151	—	283
50 to 99 lb	9 663	1.0	465	—	213	—	439
100 to 499 lb	67 826	6.9	5 357	.5	2 862	1.1	531
500 to 749 lb	32 810	3.4	3 355	.3	2 003	.8	596
750 to 999 lb	21 526	2.2	2 577	.2	1 338	.5	520
1,000 to 9,999 lb	249 937	25.6	65 048	5.6	28 310	11.3	471
10,000 to 49,999 lb	513 260	52.5	598 013	51.1	167 667	66.9	301
50,000 to 99,999 lb	56 126	5.7	330 352	28.2	31 767	12.7	97
100,000 lb or more	13 866	1.4	164 694	14.1	16 142	6.4	S
Private truck	517 072	100.0	1 156 728	100.0	72 357	100.0	50
Less than 50 lb	29 037	5.6	1 848	.2	73	.1	39
50 to 99 lb	13 915	2.7	1 812	.2	86	.1	46
100 to 499 lb	54 892	10.6	13 562	1.2	785	1.1	56
500 to 749 lb	19 207	3.7	6 950	.6	440	.6	63
750 to 999 lb	13 715	2.7	5 962	.5	393	.5	66
1,000 to 9,999 lb	144 094	27.9	117 745	10.2	8 295	11.5	69
10,000 to 49,999 lb	194 007	37.5	619 492	53.6	40 806	56.4	64
50,000 to 99,999 lb	40 366	7.8	274 871	23.8	14 572	20.1	55
100,000 lb or more	7 838	1.5	114 486	9.9	6 907	9.5	53
Rail	135 895	100.0	436 606	100.0	272 120	100.0	708
Less than 50 lb	S	S	S	S	S	S	320
50 to 99 lb	S	S	S	S	—	—	S
100 to 499 lb	143	.1	19	—	5	—	S
500 to 749 lb	36	—	11	—	3	—	S
750 to 999 lb	31	—	5	—	3	—	619
1,000 to 9,999 lb	9 480	7.0	898	.2	1 005	.4	1 097
10,000 to 49,999 lb	28 635	21.1	7 965	1.8	8 590	3.2	1 103
50,000 to 99,999 lb	26 945	19.8	9 442	2.2	6 787	2.5	737
100,000 lb or more	70 547	51.9	418 263	95.8	255 727	94.0	650
Water	13 181	100.0	139 884	100.0	101 123	100.0	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	881
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	1 126
100,000 lb or more	12 972	98.4	139 225	99.5	101 068	99.9	847
Shallow draft	11 677	100.0	100 774	100.0	87 697	100.0	S
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	931
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	1 126
100,000 lb or more	11 470	98.2	100 118	99.3	87 652	99.9	872

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	1 480	100.0	38 359	100.0	13 415	100.0	342
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	707
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	33
10,000 to 49,999 lb	S	S	S	S	S	S	7
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	1 479	100.0	38 357	100.0	13 415	100.0	349
Deep draft	S	S	S	S	S	S	4 155
Less than 50 lb	S	S	S	S	S	S	10 468
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	5
1,000 to 9,999 lb	S	S	S	S	S	S	1
10,000 to 49,999 lb	S	S	S	S	S	S	8 390
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	1
Air (includes truck and air)	29 652	100.0	1 060	100.0	1 102	100.0	1 239
Less than 50 lb	10 947	36.9	110	10.4	139	12.6	1 246
50 to 99 lb	2 681	9.0	38	3.6	45	4.1	1 166
100 to 499 lb	7 404	25.0	137	12.9	160	14.6	1 187
500 to 749 lb	1 371	4.6	40	3.8	45	4.1	1 126
750 to 999 lb	817	2.8	26	2.5	25	2.3	973
1,000 to 9,999 lb	3 197	10.8	245	23.2	276	25.0	1 153
10,000 to 49,999 lb	3 186	10.7	378	35.6	325	29.5	1 078
50,000 to 99,999 lb	S	S	61	5.8	S	S	1 275
100,000 lb or more	3	—	S	S	8	.7	434
Pipeline²	19 545	100.0	93 264	100.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	733	.8	S	S	S
50,000 to 99,999 lb	419	2.1	463	.5	S	S	S
100,000 lb or more	18 761	96.0	91 976	98.6	S	S	S
Multiple modes	261 863	100.0	82 807	100.0	63 954	100.0	733
Less than 50 lb	137 874	52.7	3 704	4.5	2 755	4.3	739
50 to 99 lb	29 995	11.5	1 323	1.6	853	1.3	649
100 to 499 lb	42 405	16.2	2 275	2.7	1 374	2.1	613
500 to 749 lb	4 217	1.6	343	.4	167	.3	486
750 to 999 lb	2 389	.9	252	.3	98	.2	388
1,000 to 9,999 lb	17 677	6.8	2 364	2.9	2 169	3.4	925
10,000 to 49,999 lb	21 746	8.3	7 680	9.3	11 712	18.3	1 518
50,000 to 99,999 lb	S	S	1 349	1.6	1 183	1.9	908
100,000 lb or more	3 224	1.2	63 518	76.7	43 641	68.2	913
Parcel, U.S. Postal Service or courier	216 908	100.0	7 865	100.0	5 197	100.0	732
Less than 50 lb	137 838	63.5	3 703	47.1	2 754	53.0	739
50 to 99 lb	29 972	13.8	1 322	16.8	851	16.4	648
100 to 499 lb	42 253	19.5	2 255	28.7	1 343	25.8	607
500 to 749 lb	4 164	1.9	323	4.1	151	2.9	464
750 to 999 lb	2 249	1.0	231	2.9	89	1.7	384
1,000 to 9,999 lb	432	.2	30	.4	9	.2	305
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	41 842	100.0	17 299	100.0	18 152	100.0	1 375
Less than 50 lb	S	S	1	—	1	—	2 217
50 to 99 lb	22	—	1	—	2	—	1 619
100 to 499 lb	143	.3	14	—	28	.2	2 095
500 to 749 lb	47	.1	S	S	S	S	1 837
750 to 999 lb	S	S	5	—	7	—	1 580
1,000 to 9,999 lb	16 609	39.7	1 791	10.4	2 059	11.3	1 161
10,000 to 49,999 lb	21 672	51.8	7 512	43.4	11 566	63.7	1 534
50,000 to 99,999 lb	S	S	816	4.7	612	3.4	697
100,000 lb or more	918	2.2	7 152	41.3	3 863	21.3	1 001
Truck and water	465	100.0	9 200	100.0	6 253	100.0	3 687
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	2 880
100 to 499 lb	5	1.1	1	—	3	—	5 822
500 to 749 lb	1	.2	—	—	—	S	2 669
750 to 999 lb	2	.5	—	—	2	—	5 023
1,000 to 9,999 lb	62	13.4	13	.1	85	1.4	7 472
10,000 to 49,999 lb	35	7.4	S	S	104	1.7	3 483
50,000 to 99,999 lb	S	S	S	S	S	S	2 165
100,000 lb or more	343	73.6	8 901	96.7	5 645	90.3	519

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Multiple modes—Con.							
Rail and water	1 098	100.0	36 838	100.0	30 488	100.0	1 244
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	2 725
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	5 297
10,000 to 49,999 lb	S	S	S	S	S	S	5 656
50,000 to 99,999 lb	S	S	S	S	S	S	1 546
100,000 lb or more	1 094	99.6	36 741	99.7	30 338	99.5	1 060
Other multiple modes	1 551	100.0	11 605	100.0	3 863	100.0	S
Less than 50 lb	1	—	—	—	S	S	615
50 to 99 lb	S	S	S	S	S	S	308
100 to 499 lb	4	.3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	7	.4	S	S	S	S	11
1,000 to 9,999 lb	573	36.9	530	4.6	17	.4	S
10,000 to 49,999 lb	40	2.6	129	1.1	41	1.1	S
50,000 to 99,999 lb	S	S	S	S	S	S	44
100,000 lb or more	S	S	10 724	92.4	3 796	98.3	480
Other and unknown modes	79 687	100.0	108 631	100.0	19 137	100.0	99
Less than 50 lb	7 688	9.6	308	.3	28	.1	85
50 to 99 lb	2 100	2.6	225	.2	17	—	72
100 to 499 lb	4 906	6.2	949	.9	96	.5	103
500 to 749 lb	1 550	1.9	353	.3	42	.2	116
750 to 999 lb	888	1.1	247	.2	27	.1	106
1,000 to 9,999 lb	28 010	35.2	8 592	7.9	1 679	8.8	192
10,000 to 49,999 lb	20 031	25.1	19 552	18.0	7 119	37.2	360
50,000 to 99,999 lb	S	S	10 156	9.3	2 060	10.8	204
100,000 lb or more	4 709	5.9	68 250	62.8	8 070	42.2	326

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5. Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
01	Live animals and live fish	3 402	.2	3 068	.1	608	—	339
02	Cereal grains	36 417	1.8	319 295	9.9	172 302	21.8	138
03	Other agricultural products	36 829	1.8	102 242	3.2	41 817	5.3	612
04	Animal feed and products of animal origin, n.e.c.	30 495	1.5	95 597	3.0	28 959	3.7	78
05	Meat, fish, seafood, and their preparations	63 745	3.1	27 706	.9	16 156	2.0	190
06	Milled grain products and preparations, and bakery products	41 078	2.0	48 304	1.5	28 316	3.6	233
07	Other prepared foodstuffs and fats and oils	115 419	5.6	135 883	4.2	51 115	6.5	189
08	Alcoholic beverages	18 069	.9	18 772	.6	4 589	.6	35
09	Tobacco products	7 302	.4	453	—	74	—	91
10	Monumental or building stone	749	—	3 845	.1	398	—	S
11	Natural sands	1 127	—	134 572	4.2	8 363	1.1	47
12	Gravel and crushed stone	3 074	.2	575 681	17.9	39 100	4.9	32
13	Nonmetallic minerals n.e.c.	2 842	.1	70 256	2.2	9 724	1.2	145
14	Metallic ores and concentrates	3 080	.2	65 274	2.0	40 775	5.2	391
15	Coal	3 951	.2	174 844	5.4	26 639	3.4	74
17	Gasoline and aviation turbine fuel	51 668	2.5	199 957	6.2	14 114	1.8	35
18	Fuel oils	19 835	1.0	95 941	3.0	5 777	.7	24
19	Coal and petroleum products, n.e.c.	17 803	.9	112 426	3.5	15 405	1.9	78
20	Basic chemicals	19 296	.9	45 614	1.4	19 613	2.5	187
21	Pharmaceutical products	51 941	2.5	1 921	—	970	.1	501
22	Fertilizers	9 177	.4	45 231	1.4	6 144	.8	138
23	Chemical products and preparations, n.e.c.	69 045	3.4	33 349	1.0	16 753	2.1	293
24	Plastics and rubber	87 701	4.3	30 691	1.0	14 652	1.9	535
25	Logs and other wood in the rough	759	—	9 132	.3	1 412	.2	320
26	Wood products	25 686	1.3	41 693	1.3	10 043	1.3	360
27	Pulp, newsprint, paper, and paperboard	27 691	1.4	42 920	1.3	17 809	2.3	253
28	Paper or paperboard articles	28 194	1.4	18 412	.6	5 755	.7	342
29	Printed products	70 356	3.4	21 176	.7	8 077	1.0	493
30	Textiles, leather, and articles of textiles or leather	41 570	2.0	3 743	.1	2 152	.3	811
31	Nonmetallic mineral products	30 384	1.5	276 310	8.6	27 161	3.4	399
32	Base metal in primary or semifinished forms and in finished basic shapes	120 718	5.9	177 521	5.5	48 949	6.2	257
33	Articles of base metal	83 492	4.1	38 927	1.2	19 155	2.4	462
34	Machinery	173 714	8.5	25 461	.8	12 974	1.6	393
35	Electronic and other electrical equipment and components and office equipment	164 082	8.0	11 980	.4	7 524	1.0	548
36	Motorized and other vehicles (including parts)	317 884	15.5	62 270	1.9	28 473	3.6	299
37	Transportation equipment, n.e.c.	20 794	1.0	1 772	—	1 048	.1	815
38	Precision instruments and apparatus	35 611	1.7	714	—	490	—	680
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	1.4	6 593	.2	4 096	.5	794
40	Miscellaneous manufactured products	113 234	5.5	23 111	.7	11 607	1.5	763
41	Waste and scrap	12 395	.6	69 134	2.2	12 405	1.6	165
43	Mixed freight	46 600	2.3	26 553	.8	6 163	.8	369
--	Commodity unknown	11 431	.6	14 869	.5	S	S	476

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
010	Live animals and live fish	3 402	.2	3 068	.1	608	—	339
021	Wheat	8 681	.4	66 339	2.1	32 088	4.1	217
022	Corn, except sweet	22 136	1.1	225 759	7.0	123 487	15.6	92
029	Other cereal grains	5 600	.3	27 196	.8	16 727	2.1	287
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 695	—	2 669	—	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	5 831	.3	6 605	.2	1 195	.2	182
033	Fresh, chilled, or dried edible fruit and nuts	3 890	.2	4 051	.1	319	—	662
034	Soya beans	20 525	1.0	83 128	2.6	37 471	4.7	75
035	Oil seeds and nuts, except olives and soya beans	1 112	—	3 116	.1	1 174	.1	570
036	Bulbs, live plants, and seeds for sowing, n.e.c.	2 269	.1	1 566	—	556	—	728
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	1 507	—	1 109	—	199	—	187
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	8 944	.4	32 714	1.0	15 793	2.0	217
042	Animal feed preparations	21 551	1.1	62 883	2.0	13 166	1.7	67
051	Meat including poultry, except preparations	61 015	3.0	26 651	.8	15 562	2.0	208
052	Fish, except live, and seafood, except preparations	1 029	—	175	—	48	—	63
053	Preparations, extracts, and juices of meat, fish, or seafood	1 702	—	880	—	546	—	155
061	Wheat flour, groats, and meal	3 198	.2	12 536	.4	6 366	.8	240
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	4 914	.2	16 446	.5	12 432	1.6	390
063	Food preparations of cereals, flour, starch, or milk	13 723	.7	9 079	.3	5 116	.6	463
064	Bakery products	19 242	.9	10 243	.3	4 403	.6	194
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	30 642	1.5	24 839	.8	6 338	.8	131
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	18 922	.9	14 127	.4	5 601	.7	102
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 811	.1	848	—	275	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	11 656	.6	24 190	.8	12 635	1.6	249
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	5 023	.2	18 912	.6	13 479	1.7	334
076	Confectionery, cocoa, and cocoa preparations	6 920	.3	2 519	—	1 556	.2	701
077	Edible preparations, n.e.c. and vinegar	21 985	1.1	14 314	.4	7 427	.9	400
078	Nonalcoholic beverages, n.e.c. and ice	17 461	.9	36 134	1.1	3 804	.5	38
081	Malt Beer	10 975	.5	13 052	.4	2 006	.3	28
082	Wine and other fermented beverages	1 665	—	584	—	32	—	35
083	Spirituos beverages and ethyl alcohol	5 428	.3	5 136	.2	2 550	.3	71
090	Tobacco products	7 302	.4	453	—	74	—	91
100	Monumental or building stone, except dolomite	749	—	3 845	.1	398	—	S
110	Natural sands, except metal-bearing	1 127	—	134 572	4.2	8 363	1.1	47
120	Gravel and crushed stone, except dolomite and slate	3 074	.2	575 681	17.9	39 100	4.9	32
131	Salt	S	S	10 827	.3	2 544	.3	78
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	204
133	Dolomite	324	—	44 910	1.4	3 105	.4	29
139	Other nonmetallic minerals	1 054	—	13 783	.4	3 984	.5	407
141	Iron ores and concentrates	2 000	.1	62 475	1.9	40 313	5.1	542
149	Other metallic ores and concentrates	1 080	—	2 799	—	462	—	352
151	Nonagglomerated bituminous coal	3 519	.2	136 810	4.3	25 783	3.3	74
159	Other coal	432	—	38 034	1.2	856	.1	73
171	Gasoline	48 919	2.4	185 717	5.8	12 238	1.5	35
172	Aviation turbine fuel (types A and B)	2 749	.1	14 240	.4	1 876	.2	79
180	Fuel oils	19 835	1.0	95 941	3.0	5 777	.7	24
191	Lubricating oils and greases	5 357	.3	6 054	.2	1 533	.2	117
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 767	—	9 149	.3	2 487	.3	97
193	Gaseous hydrocarbons	4 282	.2	13 506	.4	2 098	.3	33
199	Other products of petroleum refining, and coal products	6 398	.3	83 717	2.6	9 286	1.2	71
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	693	—	2 319	—	612	—	210
202	Inorganic chemicals, n.e.c.	8 969	.4	35 796	1.1	16 100	2.0	124
203	Cyclic hydrocarbons	356	—	S	S	129	—	213
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	2 089	.1	2 346	—	1 068	.1	323
205	Organic chemicals, n.e.c.	7 189	.4	4 438	.1	1 703	.2	405
210	Pharmaceutical products	51 941	2.5	1 921	—	970	.1	501
220	Fertilizers and fertilizer materials	9 177	.4	45 231	1.4	6 144	.8	138
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	12 252	.6	4 554	.1	2 184	.3	292
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	11 129	.5	2 439	—	1 668	.2	346
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	19 660	1.0	16 104	.5	8 611	1.1	381
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	4 975	.2	477	—	226	—	281
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	10 867	.5	2 154	—	564	—	125
239	Other chemical products and preparations	10 161	.5	7 622	.2	3 500	.4	237
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	12 122	.6	6 722	.2	3 343	.4	426
242	Manmade fibers and plastics basic shapes and articles	57 711	2.8	19 308	.6	8 898	1.1	611

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	17 868	.9	4 662	.1	2 412	.3	280
250	Logs and other wood in the rough	759	—	9 132	.3	1 412	.2	320
261	Wood chips or particles	194	—	7 998	.2	S	S	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7 962	.4	15 952	.5	3 180	.4	381
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	4 711	.2	7 713	.2	3 051	.4	482
264	Builders' joinery and carpentry of wood, except shingles and shakes	9 734	.5	3 890	.1	1 369	.2	212
269	Other wood products	3 086	.2	6 141	.2	1 193	.2	536
271	Pulp of fibrous cellulosic materials	860	—	S	S	S	S	356
272	Newsprint in large rolls or sheets	402	—	340	—	116	—	278
273	Uncoated paper and paperboard in large rolls or sheets	11 820	.6	17 909	.6	9 992	1.3	185
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	14 609	.7	12 473	.4	6 511	.8	433
280	Paper or paperboard articles	28 194	1.4	18 412	.6	5 755	.7	342
291	Printed books, brochures, leaflets, and similar printed products	28 443	1.4	5 777	.2	3 497	.4	948
292	Newspapers, journals, and periodicals	11 411	.6	7 243	.2	618	—	164
293	Advertising material, commercial or trade catalogues, and similar printed products	13 549	.7	4 774	.1	2 183	.3	659
299	Other printed products	16 953	.8	3 383	.1	1 779	.2	539
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	1 241	—	256	—	141	—	622
302	Textile clothing and accessories, and headgear, except safety	19 147	.9	1 247	—	786	.1	763
303	Textiles and textile articles, n.e.c.	11 934	.6	1 519	—	635	—	835
304	Footwear	6 699	.3	S	S	S	S	952
305	Leather and articles, luggage of related materials, and dressed furskins and articles	2 549	.1	254	—	189	—	868
311	Hydraulic cements	2 160	.1	34 709	1.1	4 344	.5	70
312	Ceramic products	5 760	.3	7 775	.2	2 883	.4	506
313	Glass and glass products	10 032	.5	9 142	.3	4 227	.5	754
319	Other nonmetallic mineral products	12 432	.6	224 683	7.0	15 708	2.0	68
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	12 746	.6	14 643	.5	6 769	.9	290
322	Flat-rolled products of iron or steel	54 234	2.6	119 199	3.7	27 235	3.4	191
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	22 555	1.1	30 753	1.0	8 981	1.1	256
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	31 182	1.5	12 926	.4	5 964	.8	320
331	Pipes, tubes, and fittings	20 416	1.0	17 938	.6	10 657	1.3	256
332	Structures and parts, except prefabricated buildings	13 217	.6	6 145	.2	2 282	.3	337
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	31 650	1.5	6 616	.2	3 026	.4	515
339	Other articles of metal	18 209	.9	8 228	.3	3 189	.4	558
341	Internal-combustion piston engines	43 348	2.1	7 808	.2	3 161	.4	347
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 688	.2	282	—	183	—	372
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	16 603	.8	1 823	—	1 155	.1	485
344	Air-conditioning, refrigerating, or freezing equipment	11 457	.6	1 875	—	1 322	.2	405
345	Materials-handling, excavating, boring, and related machinery and equipment	15 546	.8	2 968	—	1 518	.2	414
349	Other machinery	83 072	4.1	10 705	.3	5 633	.7	389
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	14 355	.7	1 976	—	1 305	.2	431
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	7 241	.4	790	—	548	—	869
353	Line telephone or telegraph apparatus	5 230	.3	151	—	126	—	739
354	Electronic entertainment products, except parts	6 733	.3	423	—	297	—	999
355	Computer and office equipment	34 582	1.7	605	—	406	—	788
356	Prepared unrecorded or prerecorded media	8 538	.4	183	—	128	—	863
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	9 160	.4	74	—	56	—	875
358	Electronic components and parts	15 868	.8	972	—	1 000	.1	647
359	Other electronic and electrical equipment	62 376	3.0	6 806	.2	3 658	.5	293
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	122 821	6.0	16 433	.5	11 350	1.4	592
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	9 225	.5	1 492	—	862	.1	276
363	Other vehicles	39 857	1.9	7 083	.2	3 328	.4	666
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	145 980	7.1	37 261	1.2	12 933	1.6	235
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	3 132	.2	1 109	—	458	—	638
372	Aircraft and spacecraft	14 115	.7	S	S	S	S	895
373	Ships, boats, and floating structures	3 548	.2	506	—	371	—	678
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	1 944	—	35	—	16	—	681
382	Photographic and photocopying machines	3 144	.2	112	—	66	—	605
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	792	—	5	—	5	—	741
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	18 516	.9	298	—	252	—	795
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11 215	.5	264	—	151	—	513

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	1.4	6 593	.2	4 096	.5	794
401	Arms and ammunition	4 201	.2	261	—	190	—	886
402	Toys, games, and sporting equipment	10 693	.5	1 230	—	909	.1	928
409	Miscellaneous manufactured products	98 340	4.8	21 621	.7	10 508	1.3	707
411	Metallic waste and scrap	11 074	.5	57 804	1.8	9 460	1.2	115
412	Nonmetallic waste and scrap, except from food processing	1 321	—	11 330	.4	2 945	.4	292
439	Mixed freight	46 600	2.3	26 553	.8	6 163	.8	369
—	Commodity unknown	11 431	.6	14 869	.5	S	S	476

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	2 046 684	100.0	3 213 213	100.0	790 549	100.0	469
Single modes	1 705 134	83.3	3 021 774	94.0	707 458	89.5	184
Truck ¹	1 506 861	73.6	2 350 961	73.2	325 716	41.2	141
For-hire truck	977 035	47.7	1 170 356	36.4	250 453	31.7	383
Private truck	517 072	25.3	1 156 728	36.0	72 357	9.2	50
Rail	135 895	6.6	436 606	13.6	272 120	34.4	708
Water	13 181	.6	139 884	4.4	101 123	12.8	S
Shallow draft	11 677	.6	100 774	3.1	87 697	11.1	S
Great Lakes	1 480	—	38 359	1.2	13 415	1.7	342
Deep draft	S	S	S	S	S	S	4 155
Air (includes truck and air)	29 652	1.4	1 060	—	1 102	.1	1 239
Pipeline ²	19 545	1.0	93 264	2.9	S	S	S
Multiple modes	261 863	12.8	82 807	2.6	63 954	8.1	733
Parcel, U.S. Postal Service or courier	216 908	10.6	7 865	.2	5 197	.7	732
Truck and rail	41 842	2.0	17 299	.5	18 152	2.3	1 375
Truck and water	465	—	9 200	.3	6 253	.8	3 687
Rail and water	1 098	—	36 838	1.1	30 488	3.9	1 244
Other multiple modes	1 551	—	11 605	.4	3 863	.5	S
Other and unknown modes	79 687	3.9	108 631	3.4	19 137	2.4	99
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	3 402	100.0	3 068	100.0	608	100.0	339
Single modes	3 322	97.6	3 009	98.1	593	97.5	208
Truck ¹	3 313	97.4	3 009	98.1	593	97.5	187
For-hire truck	2 426	71.3	2 285	74.5	515	84.7	226
Private truck	887	26.1	724	23.6	78	12.8	170
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 732
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	768
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	768
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	57
SCTG 02, CEREAL GRAINS							
Total	36 417	100.0	319 295	100.0	172 302	100.0	138
Single modes	35 275	96.9	313 526	98.2	168 012	97.5	138
Truck ¹	17 115	47.0	143 991	45.1	12 906	7.5	94
For-hire truck	11 737	32.2	93 196	29.2	10 174	5.9	146
Private truck	5 314	14.6	50 198	15.7	2 691	1.6	43
Rail	13 561	37.2	125 993	39.5	105 816	61.4	722
Water	4 596	12.6	43 502	13.6	49 281	28.6	1 183
Shallow draft	4 205	11.5	40 524	12.7	47 917	27.8	1 189
Great Lakes	391	1.1	2 978	.9	S	S	701
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	450	1.2	S	S	S	S	1 085
Parcel, U.S. Postal Service or courier	—	—	1	—	—	—	327
Truck and rail	S	S	144	—	217	.1	1 501
Truck and water	S	S	S	S	S	S	4 566
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	691	1.9	4 580	1.4	2 299	1.3	26

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	36 829	100.0	102 242	100.0	41 817	100.0	612
Single modes	34 518	93.7	98 009	95.9	39 079	93.5	71
Truck ¹	26 012	70.6	64 066	62.7	6 277	15.0	68
For-hire truck	10 541	28.6	34 055	33.3	4 236	10.1	77
Private truck	15 325	41.6	29 620	29.0	1 999	4.8	63
Rail	3 596	9.8	14 302	14.0	11 753	28.1	603
Water	4 799	13.0	19 630	19.2	21 037	50.3	1 190
Shallow draft	4 425	12.0	18 066	17.7	20 984	50.2	1 196
Great Lakes	S	S	S	S	54	.1	41
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	110	.3	12	—	S	S	947
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	967	2.6	977	1.0	1 256	3.0	747
Parcel, U.S. Postal Service or courier	694	1.9	73	—	49	.1	747
Truck and rail	S	S	S	S	152	.4	675
Truck and water	170	.5	655	.6	S	S	3 778
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 344	3.7	3 256	3.2	1 482	3.5	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	30 495	100.0	95 597	100.0	28 959	100.0	78
Single modes	29 505	96.8	93 110	97.4	26 832	92.7	67
Truck ¹	25 928	85.0	77 659	81.2	13 447	46.4	61
For-hire truck	12 928	42.4	28 901	30.2	10 175	35.1	306
Private truck	12 875	42.2	48 137	50.4	3 180	11.0	33
Rail	3 143	10.3	13 311	13.9	11 083	38.3	861
Water	431	1.4	2 128	2.2	2 300	7.9	1 126
Shallow draft	431	1.4	2 128	2.2	2 300	7.9	1 126
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2	—	S	S	S	S	845
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	557	1.8	1 157	1.2	1 758	6.1	872
Parcel, U.S. Postal Service or courier	33	.1	6	—	4	—	807
Truck and rail	486	1.6	889	.9	1 342	4.6	1 483
Truck and water	S	S	S	S	S	S	8 220
Rail and water	37	.1	259	.3	S	S	1 525
Other multiple modes	S	S	S	S	S	S	4 280
Other and unknown modes	433	1.4	1 330	1.4	369	1.3	19
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	63 745	100.0	27 706	100.0	16 156	100.0	190
Single modes	62 785	98.5	27 272	98.4	15 945	98.7	152
Truck ¹	61 913	97.1	26 818	96.8	15 231	94.3	150
For-hire truck	41 433	65.0	17 906	64.6	13 304	82.3	709
Private truck	20 093	31.5	8 772	31.7	1 855	11.5	62
Rail	850	1.3	448	1.6	713	4.4	1 885
Water	S	S	S	S	S	S	9
Shallow draft	S	S	S	S	S	S	9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 367
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	118	.2	28	.1	54	.3	1 086
Parcel, U.S. Postal Service or courier	78	.1	11	—	S	S	1 084
Truck and rail	S	S	12	—	26	.2	2 131
Truck and water	S	S	S	S	S	S	2 348
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	842	1.3	407	1.5	157	1.0	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	41 078	100.0	48 304	100.0	28 316	100.0	233
Single modes	39 567	96.3	46 839	97.0	27 007	95.4	97
Truck ¹	35 720	87.0	31 753	65.7	13 405	47.3	91
For-hire truck	22 805	55.5	20 932	43.3	11 511	40.7	590
Private truck	12 801	31.2	10 753	22.3	1 867	6.6	50
Rail	3 760	9.2	14 277	29.6	12 684	44.8	944
Water	S	S	S	S	S	S	1 215
Shallow draft	S	S	S	S	S	S	1 215
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	S	S	S	S	859
Pipeline ²	15	—	55	.1	S	S	S
Multiple modes	930	2.3	698	1.4	854	3.0	975
Parcel, U.S. Postal Service or courier	S	S	33	—	16	—	973
Truck and rail	484	1.2	617	1.3	796	2.8	1 384
Truck and water	S	S	S	S	S	S	1 180
Rail and water	S	S	S	S	S	S	896
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	580	1.4	768	1.6	455	1.6	164
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	115 419	100.0	135 883	100.0	51 115	100.0	189
Single modes	111 721	96.8	132 332	97.4	48 049	94.0	98
Truck ¹	103 983	90.1	110 235	81.1	27 437	53.7	94
For-hire truck	53 515	46.4	56 325	41.5	20 782	40.7	415
Private truck	48 818	42.3	52 975	39.0	6 199	12.1	55
Rail	7 112	6.2	20 399	15.0	19 668	38.5	1 000
Water	314	.3	1 104	.8	927	1.8	842
Shallow draft	314	.3	1 104	.8	927	1.8	842
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	27	—	5	—	13	—	1 210
Pipeline ²	285	.2	589	.4	S	S	S
Multiple modes	1 382	1.2	1 720	1.3	2 190	4.3	1 002
Parcel, U.S. Postal Service or courier	493	.4	50	—	28	—	998
Truck and rail	887	.8	1 670	1.2	2 161	4.2	1 585
Truck and water	S	S	S	S	S	S	3 251
Rail and water	S	S	S	S	S	S	2 725
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 316	2.0	1 831	1.3	876	1.7	103
SCTG 08, ALCOHOLIC BEVERAGES							
Total	18 069	100.0	18 772	100.0	4 589	100.0	35
Single modes	17 615	97.5	18 221	97.1	4 385	95.6	35
Truck ¹	16 264	90.0	16 175	86.2	2 509	54.7	34
For-hire truck	3 313	18.3	4 502	24.0	1 687	36.8	206
Private truck	12 928	71.6	11 652	62.1	821	17.9	30
Rail	1 314	7.3	1 953	10.4	1 870	40.8	892
Water	S	S	S	S	S	S	61
Shallow draft	S	S	S	S	S	S	61
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	521
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	50	.3	97	2.1	567
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	399
Truck and rail	S	S	49	.3	94	2.1	1 204
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	4 611
Other and unknown modes	375	2.1	S	S	S	S	22

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	7 302	100.0	453	100.0	74	100.0	91
Single modes	7 165	98.1	446	98.5	59	80.0	80
Truck ¹	7 165	98.1	446	98.5	59	80.0	80
For-hire truck	1 343	18.4	49	10.8	24	33.2	426
Private truck	5 822	79.7	397	87.7	35	46.9	57
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	92	1.3	S	S	S	S	945
Parcel, U.S. Postal Service or courier	68	.9	2	.4	2	2.2	868
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	4 616
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	43
Other and unknown modes	46	.6	2	.5	S	S	39
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	749	100.0	3 845	100.0	398	100.0	S
Single modes	733	97.9	3 699	96.2	396	99.5	S
Truck ¹	728	97.2	3 675	95.6	357	89.8	S
For-hire truck	283	37.7	S	S	240	60.4	315
Private truck	444	59.2	1 861	48.4	S	S	S
Rail	S	S	S	S	S	S	1 590
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	636
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	636
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	2	.4	S
SCTG 11, NATURAL SANDS							
Total	1 127	100.0	134 572	100.0	8 363	100.0	47
Single modes	1 092	96.8	131 148	97.5	8 052	96.3	47
Truck ¹	990	87.8	127 255	94.6	5 684	68.0	43
For-hire truck	368	32.6	30 216	22.5	2 179	26.1	72
Private truck	593	52.6	95 098	70.7	3 473	41.5	35
Rail	101	8.9	3 689	2.7	2 319	27.7	628
Water	S	S	S	S	S	S	237
Shallow draft	S	S	S	S	S	S	237
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3	.2	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	240
Truck and rail	S	S	S	S	S	S	2 070
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	4 304
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	33	2.9	S	S	S	S	37

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	3 074	100.0	575 681	100.0	39 100	100.0	32
Single modes	2 948	95.9	555 363	96.5	34 668	88.7	32
Truck ¹	2 746	89.3	509 042	88.4	18 065	46.2	31
For-hire truck	1 023	33.3	180 223	31.3	6 650	17.0	32
Private truck	1 681	54.7	320 573	55.7	11 204	28.7	31
Rail	74	2.4	10 253	1.8	2 680	6.9	258
Water	128	4.2	36 069	6.3	13 924	35.6	328
Shallow draft	58	1.9	15 009	2.6	7 127	18.2	331
Great Lakes	69	2.3	21 059	3.7	6 797	17.4	316
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	68	2.2	9 442	1.6	3 981	10.2	653
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	429
Truck and rail	S	S	S	S	S	S	712
Truck and water	17	.6	4 774	.8	2 310	5.9	487
Rail and water	—	—	—	—	—	—	—
Other multiple modes	15	.5	3 790	.7	1 041	2.7	255
Other and unknown modes	58	1.9	10 875	1.9	451	1.2	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	2 842	100.0	70 256	100.0	9 724	100.0	145
Single modes	2 697	94.9	67 664	96.3	8 737	89.8	66
Truck ¹	2 428	85.4	58 457	83.2	3 799	39.1	55
For-hire truck	905	31.8	25 241	35.9	2 324	23.9	92
Private truck	1 511	53.2	32 586	46.4	1 386	14.3	39
Rail	151	5.3	4 760	6.8	3 382	34.8	718
Water	106	3.7	4 362	6.2	1 542	15.9	327
Shallow draft	—	—	—	—	—	—	—
Great Lakes	106	3.7	4 362	6.2	1 542	15.9	327
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 015
Pipeline ²	11	.4	71	.1	S	S	S
Multiple modes	35	1.2	S	S	S	S	906
Parcel, U.S. Postal Service or courier	26	.9	2	—	1	—	908
Truck and rail	4	.1	272	.4	149	1.5	699
Truck and water	S	S	S	S	S	S	446
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	196
Other and unknown modes	110	3.9	1 054	1.5	304	3.1	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	3 080	100.0	65 274	100.0	40 775	100.0	391
Single modes	2 108	68.4	37 248	57.1	16 100	39.5	296
Truck ¹	888	28.8	2 277	3.5	S	S	293
For-hire truck	672	21.8	2 165	3.3	S	S	471
Private truck	215	7.0	111	.2	23	—	61
Rail	1 092	35.4	31 234	47.9	13 362	32.8	219
Water	S	S	S	S	S	S	607
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	747
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	S	S	S	S	S	S	1 465
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	947	30.7	27 987	42.9	24 669	60.5	617
Parcel, U.S. Postal Service or courier	95	3.1	—	—	—	—	613
Truck and rail	S	S	S	S	S	S	2 301
Truck and water	—	—	—	—	—	—	—
Rail and water	851	27.6	27 986	42.9	24 668	60.5	716
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	3 951	100.0	174 844	100.0	26 639	100.0	74
Single modes	2 623	66.4	104 759	59.9	18 276	68.6	73
Truck ¹	990	25.1	35 452	20.3	2 437	9.1	70
For-hire truck	898	22.7	34 386	19.7	2 248	8.4	65
Private truck	S	S	S	S	S	S	148
Rail	1 392	35.2	58 676	33.6	12 261	46.0	185
Water	S	S	S	S	S	S	389
Shallow draft	S	S	S	S	S	S	389
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	379	9.6	18 171	10.4	7 155	26.9	209
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	586
Truck and rail	S	S	S	S	S	S	120
Truck and water	S	S	S	S	S	S	S
Rail and water	188	4.8	8 429	4.8	5 192	19.5	575
Other multiple modes	89	2.3	4 749	2.7	1 209	4.5	262
Other and unknown modes	950	24.0	51 914	29.7	1 208	4.5	63
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	51 668	100.0	199 957	100.0	14 114	100.0	35
Single modes	50 988	98.7	198 607	99.3	14 068	99.7	38
Truck ¹	37 942	73.4	138 130	69.1	6 612	46.9	36
For-hire truck	13 612	26.3	50 076	25.0	2 727	19.3	53
Private truck	24 036	46.5	86 987	43.5	3 847	27.3	31
Rail	S	S	S	S	S	S	1 459
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	7
Great Lakes	S	S	S	S	S	S	1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 762
Pipeline ²	12 576	24.3	58 301	29.2	S	S	S
Multiple modes	344	.7	431	.2	13	.1	17
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	12
Rail and water	—	—	—	—	—	—	—
Other multiple modes	343	.7	429	.2	13	—	17
Other and unknown modes	336	.7	919	.5	32	.2	S
SCTG 18, FUEL OILS							
Total	19 835	100.0	95 941	100.0	5 777	100.0	24
Single modes	19 087	96.2	93 889	97.9	5 715	98.9	24
Truck ¹	13 177	66.4	59 966	62.5	2 923	50.6	23
For-hire truck	3 725	18.8	18 936	19.7	1 298	22.5	51
Private truck	9 325	47.0	40 590	42.3	1 600	27.7	20
Rail	S	S	S	S	S	S	709
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	543
Pipeline ²	4 960	25.0	26 955	28.1	S	S	S
Multiple modes	269	1.4	342	.4	7	.1	31
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	152
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	267	1.3	341	.4	7	.1	14
Other and unknown modes	479	2.4	1 710	1.8	S	S	20

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	17 803	100.0	112 426	100.0	15 405	100.0	78
Single modes	17 447	98.0	111 467	99.1	15 229	98.9	65
Truck ¹	12 240	68.8	74 345	66.1	5 822	37.8	59
For-hire truck	6 363	35.7	40 745	36.2	4 235	27.5	178
Private truck	5 783	32.5	31 765	28.3	1 499	9.7	29
Rail	3 786	21.3	30 279	26.9	7 966	51.7	347
Water	339	1.9	3 136	2.8	S	S	S
Shallow draft	272	1.5	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	146
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	—	—	—	—	1 271
Pipeline ²	1 081	6.1	3 708	3.3	S	S	S
Multiple modes	203	1.1	139	.1	43	.3	363
Parcel, U.S. Postal Service or courier	130	.7	16	—	5	—	407
Truck and rail	39	.2	21	—	35	.2	1 245
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	34	.2	102	—	S	S	S
Other and unknown modes	154	.9	820	.7	S	S	26
SCTG 20, BASIC CHEMICALS							
Total	19 296	100.0	45 614	100.0	19 613	100.0	187
Single modes	17 774	92.1	44 971	98.6	19 118	97.5	155
Truck ¹	14 896	77.2	26 829	58.8	6 581	33.6	92
For-hire truck	10 049	52.1	13 445	29.5	5 464	27.9	473
Private truck	4 680	24.3	13 175	28.9	1 079	5.5	32
Rail	2 099	10.9	15 081	33.1	11 158	56.9	804
Water	S	S	S	S	S	S	671
Shallow draft	S	S	S	S	S	S	671
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	369	1.9	S	S	S	S	1 249
Pipeline ²	62	.3	1 110	2.4	S	S	S
Multiple modes	1 270	6.6	386	.8	437	2.2	394
Parcel, U.S. Postal Service or courier	811	4.2	70	.2	14	—	389
Truck and rail	457	2.4	315	.7	422	2.2	1 298
Truck and water	S	S	S	S	S	S	2 941
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	252	1.3	258	.6	58	.3	42
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	51 941	100.0	1 921	100.0	970	100.0	501
Single modes	35 657	68.6	1 663	86.6	862	88.9	286
Truck ¹	32 905	63.3	1 639	85.3	828	85.3	156
For-hire truck	22 300	42.9	999	52.0	649	66.9	297
Private truck	10 259	19.8	634	33.0	177	18.2	73
Rail	S	S	S	S	S	S	1 414
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 677	3.2	12	.6	12	1.3	1 349
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	15 430	29.7	235	12.3	98	10.1	573
Parcel, U.S. Postal Service or courier	15 325	29.5	230	12.0	94	9.7	573
Truck and rail	S	S	S	S	4	.4	586
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	854	1.6	22	1.2	10	1.0	102

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	9 177	100.0	45 231	100.0	6 144	100.0	138
Single modes	8 604	93.8	42 088	93.1	5 754	93.7	45
Truck ¹	7 405	80.7	34 789	76.9	2 518	41.0	38
For-hire truck	2 368	25.8	S	S	1 738	28.3	120
Private truck	5 026	54.8	21 799	48.2	775	12.6	22
Rail	S	S	S	S	S	S	467
Water	S	S	S	S	S	S	454
Shallow draft	S	S	S	S	S	S	454
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	772
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	1 031
Parcel, U.S. Postal Service or courier	S	S	4	—	3	—	1 031
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	370
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	545	5.9	3 033	6.7	S	S	50
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	69 045	100.0	33 349	100.0	16 753	100.0	293
Single modes	61 336	88.8	31 268	93.8	14 224	84.9	193
Truck ¹	59 112	85.6	29 318	87.9	12 517	74.7	187
For-hire truck	41 023	59.4	22 150	66.4	10 520	62.8	421
Private truck	17 855	25.9	6 996	21.0	1 868	11.2	68
Rail	2 052	3.0	1 910	5.7	1 669	10.0	996
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 036
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	6 393	9.3	1 527	4.6	2 275	13.6	498
Parcel, U.S. Postal Service or courier	3 877	5.6	293	.9	117	.7	493
Truck and rail	2 513	3.6	1 233	3.7	2 153	12.9	1 669
Truck and water	4	—	1	—	5	—	4 677
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	336
Other and unknown modes	1 316	1.9	554	1.7	254	1.5	42
SCTG 24, PLASTICS AND RUBBER							
Total	87 701	100.0	30 691	100.0	14 652	100.0	535
Single modes	76 017	86.7	28 801	93.8	13 020	88.9	255
Truck ¹	72 634	82.8	25 902	84.4	10 898	74.4	225
For-hire truck	53 895	61.5	19 789	64.5	9 678	66.1	506
Private truck	18 370	20.9	5 990	19.5	1 160	7.9	72
Rail	2 947	3.4	2 873	9.4	2 085	14.2	323
Water	S	S	S	S	S	S	707
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	707
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	436	.5	26	—	38	.3	1 427
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	9 056	10.3	1 189	3.9	1 304	8.9	745
Parcel, U.S. Postal Service or courier	7 952	9.1	567	1.8	366	2.5	745
Truck and rail	1 104	1.3	622	2.0	936	6.4	1 481
Truck and water	S	S	S	S	S	S	4 024
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 628	3.0	701	2.3	329	2.2	87

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	759	100.0	9 132	100.0	1 412	100.0	320
Single modes	722	95.2	9 002	98.6	1 224	86.7	87
Truck ¹	689	90.8	8 525	93.4	1 116	79.0	84
For-hire truck	319	42.0	3 692	40.4	589	41.7	134
Private truck	285	37.6	4 640	50.8	466	33.0	63
Rail	33	4.4	S	S	108	7.7	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	817
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	812
Truck and rail	S	S	S	S	S	S	1 622
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	11	1.5	36	.4	5	.3	17
SCTG 26, WOOD PRODUCTS							
Total	25 686	100.0	41 693	100.0	10 043	100.0	360
Single modes	24 583	95.7	40 172	96.4	8 825	87.9	148
Truck ¹	24 071	93.7	38 425	92.2	6 852	68.2	144
For-hire truck	11 210	43.6	16 712	40.1	4 698	46.8	401
Private truck	12 667	49.3	21 219	50.9	2 132	21.2	79
Rail	469	1.8	1 745	4.2	1 970	19.6	1 047
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 172
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	560	2.2	191	.5	286	2.8	987
Parcel, U.S. Postal Service or courier	321	1.3	43	.1	S	S	979
Truck and rail	239	.9	148	.4	243	2.4	2 284
Truck and water	S	S	S	S	S	S	804
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	544	2.1	1 331	3.2	S	S	107
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	27 691	100.0	42 920	100.0	17 809	100.0	253
Single modes	26 085	94.2	41 867	97.5	17 044	95.7	168
Truck ¹	22 405	80.9	36 558	85.2	12 664	71.1	152
For-hire truck	16 235	58.6	31 500	73.4	12 113	68.0	377
Private truck	5 930	21.4	4 908	11.4	485	2.7	43
Rail	3 406	12.3	4 737	11.0	4 337	24.4	907
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	59	.2	S	S	S	S	1 059
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 257	4.5	427	1.0	482	2.7	368
Parcel, U.S. Postal Service or courier	915	3.3	134	.3	49	.3	364
Truck and rail	334	1.2	286	.7	417	2.3	1 461
Truck and water	S	S	S	S	S	S	4 769
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 785
Other and unknown modes	348	1.3	627	1.5	282	1.6	101

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	28 194	100.0	18 412	100.0	5 755	100.0	342
Single modes	25 558	90.6	17 795	96.6	5 292	91.9	145
Truck ¹	25 323	89.8	17 674	96.0	5 132	89.2	132
For-hire truck	17 558	62.3	11 943	64.9	4 481	77.9	372
Private truck	7 635	27.1	5 614	30.5	590	10.3	47
Rail	93	.3	113	.6	150	2.6	1 683
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	8	—	S	S	1 199
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 936	6.9	311	1.7	366	6.4	706
Parcel, U.S. Postal Service or courier	1 605	5.7	153	.8	93	1.6	705
Truck and rail	331	1.2	158	.9	272	4.7	1 583
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	701	2.5	306	1.7	98	1.7	92
SCTG 29, PRINTED PRODUCTS							
Total	70 356	100.0	21 176	100.0	8 077	100.0	493
Single modes	48 115	68.4	18 931	89.4	6 895	85.4	161
Truck ¹	46 587	66.2	18 830	88.9	6 748	83.5	101
For-hire truck	31 861	45.3	12 158	57.4	6 374	78.9	186
Private truck	14 560	20.7	6 611	31.2	360	4.5	27
Rail	S	S	22	.1	40	.5	1 611
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	1 450	2.1	79	.4	107	1.3	1 194
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	18 370	26.1	1 283	6.1	1 000	12.4	667
Parcel, U.S. Postal Service or courier	18 020	25.6	1 149	5.4	812	10.1	667
Truck and rail	348	.5	132	.6	182	2.3	1 779
Truck and water	S	S	S	S	S	S	2 180
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 571
Other and unknown modes	3 871	5.5	962	4.5	182	2.3	157
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	41 570	100.0	3 743	100.0	2 152	100.0	811
Single modes	23 756	57.1	2 936	78.4	1 548	71.9	456
Truck ¹	23 392	56.3	2 921	78.0	1 535	71.3	358
For-hire truck	15 723	37.8	1 539	41.1	987	45.9	621
Private truck	7 136	17.2	1 354	36.2	S	S	168
Rail	S	S	S	S	S	S	1 550
Water	S	S	S	S	S	S	5
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5
Air (includes truck and air)	335	.8	11	.3	8	.4	1 318
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	15 546	37.4	613	16.4	512	23.8	863
Parcel, U.S. Postal Service or courier	15 181	36.5	588	15.7	450	20.9	863
Truck and rail	362	.9	25	.7	60	2.8	2 298
Truck and water	S	S	S	S	S	S	5 040
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 267	5.5	195	5.2	92	4.3	89

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	30 384	100.0	276 310	100.0	27 161	100.0	399
Single modes	27 950	92.0	270 990	98.1	22 870	84.2	137
Truck ¹	27 052	89.0	259 054	93.8	17 300	63.7	129
For-hire truck	16 003	52.7	S	S	12 781	47.1	317
Private truck	10 080	33.2	119 134	43.1	3 950	14.5	45
Rail	467	1.5	5 669	2.1	3 311	12.2	628
Water	376	1.2	6 228	2.3	2 221	8.2	377
Shallow draft	157	.5	2 340	.8	S	S	384
Great Lakes	S	S	S	S	S	S	353
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	56	.2	39	—	38	.1	1 049
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 743	5.7	632	.2	726	2.7	799
Parcel, U.S. Postal Service or courier	1 476	4.9	142	—	111	.4	796
Truck and rail	240	.8	329	.1	498	1.8	1 779
Truck and water	S	S	S	S	S	S	9 364
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	228
Other and unknown modes	692	2.3	4 688	1.7	S	S	167
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	120 718	100.0	177 521	100.0	48 949	100.0	257
Single modes	115 682	95.8	171 267	96.5	45 503	93.0	181
Truck ¹	105 401	87.3	146 751	82.7	30 683	62.7	175
For-hire truck	74 812	62.0	111 182	62.6	26 029	53.2	326
Private truck	29 675	24.6	34 110	19.2	4 359	8.9	76
Rail	9 891	8.2	24 146	13.6	14 509	29.6	551
Water	S	S	138	—	164	.3	S
Shallow draft	S	S	135	—	S	S	553
Great Lakes	S	S	S	S	S	S	7
Deep draft	S	S	S	S	S	S	8 390
Air (includes truck and air)	308	.3	192	.1	134	.3	1 106
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	3 050	2.5	S	S	2 107	4.3	671
Parcel, U.S. Postal Service or courier	1 528	1.3	87	—	40	—	668
Truck and rail	743	.6	564	.3	498	1.0	1 034
Truck and water	S	S	S	S	S	S	997
Rail and water	S	S	S	S	S	S	787
Other multiple modes	S	S	S	S	S	S	541
Other and unknown modes	1 987	1.6	3 522	2.0	1 339	2.7	111
SCTG 33, ARTICLES OF BASE METAL							
Total	83 492	100.0	38 927	100.0	19 155	100.0	462
Single modes	64 570	77.3	36 196	93.0	17 481	91.3	243
Truck ¹	63 118	75.6	34 646	89.0	15 276	79.8	225
For-hire truck	43 305	51.9	25 433	65.3	13 870	72.4	526
Private truck	19 711	23.6	9 084	23.3	1 376	7.2	66
Rail	1 008	1.2	1 480	3.8	2 148	11.2	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	444	.5	71	.2	57	.3	1 170
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	15 878	19.0	986	2.5	746	3.9	656
Parcel, U.S. Postal Service or courier	15 572	18.7	664	1.7	450	2.4	656
Truck and rail	288	.3	317	.8	283	1.5	1 047
Truck and water	S	S	S	S	S	S	8 292
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 652
Other and unknown modes	3 044	3.6	1 745	4.5	928	4.8	54

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	173 714	100.0	25 461	100.0	12 974	100.0	393
Single modes	142 917	82.3	23 331	91.6	10 967	84.5	286
Truck ¹	135 873	78.2	22 473	88.3	10 102	77.9	222
For-hire truck	103 862	59.8	17 371	68.2	8 959	69.1	655
Private truck	31 162	17.9	4 920	19.3	1 006	7.8	45
Rail	4 059	2.3	774	3.0	781	6.0	S
Water	S	S	S	S	S	S	33
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	33
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	2 983	1.7	84	.3	83	.6	1 184
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	25 230	14.5	1 502	5.9	1 792	13.8	519
Parcel, U.S. Postal Service or courier	21 139	12.2	583	2.3	312	2.4	518
Truck and rail	4 080	2.3	820	3.2	1 319	10.2	1 487
Truck and water	S	S	S	S	S	S	8 109
Rail and water	S	S	S	S	S	S	1 546
Other multiple modes	S	S	S	S	S	S	440
Other and unknown modes	5 567	3.2	628	2.5	215	1.7	77
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	164 082	100.0	11 980	100.0	7 524	100.0	548
Single modes	108 355	66.0	10 517	87.8	6 337	84.2	297
Truck ¹	98 927	60.3	10 282	85.8	5 989	79.6	179
For-hire truck	71 852	43.8	7 105	59.3	5 197	69.1	615
Private truck	24 556	15.0	3 117	26.0	749	10.0	44
Rail	862	.5	131	1.1	215	2.9	1 007
Water	S	S	S	S	S	S	1 479
Shallow draft	S	S	S	S	S	S	1 479
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	8 556	5.2	104	.9	132	1.8	1 304
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	49 436	30.1	1 094	9.1	1 062	14.1	766
Parcel, U.S. Postal Service or courier	48 069	29.3	864	7.2	604	8.0	763
Truck and rail	1 358	.8	229	1.9	449	6.0	2 368
Truck and water	9	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	393
Other and unknown modes	6 291	3.8	369	3.1	126	1.7	109
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	317 884	100.0	62 270	100.0	28 473	100.0	299
Single modes	251 851	79.2	55 478	89.1	23 387	82.1	140
Truck ¹	191 784	60.3	43 188	69.4	13 591	47.7	103
For-hire truck	154 485	48.6	35 088	56.3	12 126	42.6	383
Private truck	36 009	11.3	7 733	12.4	1 389	4.9	33
Rail	58 187	18.3	12 081	19.4	9 635	33.8	1 025
Water	S	S	S	S	S	S	1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	1 880	.6	210	.3	161	.6	1 059
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	36 302	11.4	3 311	5.3	3 681	12.9	643
Parcel, U.S. Postal Service or courier	10 778	3.4	554	.9	357	1.3	635
Truck and rail	25 498	8.0	2 756	4.4	3 314	11.6	1 128
Truck and water	S	S	S	S	S	S	6 340
Rail and water	S	S	S	S	S	S	5 480
Other multiple modes	S	S	S	S	S	S	4 361
Other and unknown modes	29 731	9.4	3 480	5.6	1 405	4.9	69

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	20 794	100.0	1 772	100.0	1 048	100.0	815
Single modes	16 848	81.0	1 743	98.3	1 027	98.0	867
Truck ¹	10 273	49.4	1 036	58.4	595	56.8	618
For-hire truck	7 095	34.1	682	38.5	403	38.4	784
Private truck	3 174	15.3	354	20.0	192	18.3	313
Rail	S	S	462	26.1	S	S	1 707
Water	S	S	S	S	S	S	712
Shallow draft	S	S	S	S	S	S	712
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	4 502	21.7	12	.7	15	1.4	1 364
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	3 672	17.7	16	.9	13	1.3	773
Parcel, U.S. Postal Service or courier	3 658	17.6	13	.7	9	.9	773
Truck and rail	S	S	S	S	S	S	1 268
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	274	1.3	13	.8	7	.7	302
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	35 611	100.0	714	100.0	490	100.0	680
Single modes	16 084	45.2	506	70.9	347	70.7	767
Truck ¹	12 265	34.4	485	67.9	322	65.6	213
For-hire truck	8 152	22.9	360	50.4	305	62.2	591
Private truck	3 836	10.8	118	16.6	14	2.8	36
Rail	S	S	S	S	S	S	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	3 815	10.7	21	3.0	25	5.1	1 252
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	17 992	50.5	178	24.9	126	25.7	675
Parcel, U.S. Postal Service or courier	17 957	50.4	175	24.5	121	24.7	675
Truck and rail	S	S	S	S	S	S	758
Truck and water	S	S	S	S	S	S	1 232
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	1 534	4.3	31	4.3	S	S	175
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	28 043	100.0	6 593	100.0	4 096	100.0	794
Single modes	25 865	92.2	6 168	93.6	3 629	88.6	463
Truck ¹	25 458	90.8	6 044	91.7	3 476	84.9	428
For-hire truck	16 203	57.8	4 006	60.8	3 026	73.9	761
Private truck	9 216	32.9	2 034	30.9	449	11.0	126
Rail	228	.8	S	S	98	2.4	931
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	179	.6	S	S	S	S	1 333
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 504	5.4	245	3.7	372	9.1	1 085
Parcel, U.S. Postal Service or courier	1 264	4.5	157	2.4	149	3.6	1 081
Truck and rail	231	.8	83	1.3	S	S	1 836
Truck and water	S	S	S	S	S	S	9 137
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	674	2.4	180	2.7	95	2.3	299

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	113 234	100.0	23 111	100.0	11 607	100.0	763
Single modes	81 858	72.3	21 226	91.8	10 267	88.5	419
Truck ¹	78 498	69.3	20 807	90.0	9 778	84.2	353
For-hire truck	54 472	48.1	13 091	56.6	7 440	64.1	705
Private truck	23 872	21.1	7 593	32.9	2 313	19.9	80
Rail	1 492	1.3	375	1.6	439	3.8	1 032
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	383
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	10 468
Air (includes truck and air)	1 868	1.7	44	.2	50	.4	1 308
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	27 339	24.1	1 147	5.0	990	8.5	878
Parcel, U.S. Postal Service or courier	26 664	23.5	1 023	4.4	789	6.8	878
Truck and rail	665	.6	121	.5	180	1.5	1 602
Truck and water	S	S	S	S	S	S	6 470
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 052
Other and unknown modes	4 037	3.6	738	3.2	350	3.0	239
SCTG 41, WASTE AND SCRAP							
Total	12 395	100.0	69 134	100.0	12 405	100.0	165
Single modes	12 202	98.4	68 564	99.2	12 090	97.5	124
Truck ¹	9 659	77.9	49 445	71.5	6 340	51.1	110
For-hire truck	5 582	45.0	21 406	31.0	3 910	31.5	200
Private truck	4 027	32.5	27 602	39.9	2 394	19.3	62
Rail	2 501	20.2	18 797	27.2	5 478	44.2	294
Water	S	S	S	S	S	S	802
Shallow draft	S	S	S	S	S	S	802
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	956
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	157	1.3	420	.6	283	2.3	961
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	957
Truck and rail	146	1.2	418	.6	281	2.3	1 013
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	74
SCTG 43, MIXED FREIGHT							
Total	46 600	100.0	26 553	100.0	6 163	100.0	369
Single modes	42 205	90.6	25 081	94.5	5 803	94.2	119
Truck ¹	41 975	90.1	25 020	94.2	5 768	93.6	116
For-hire truck	6 343	13.6	S	S	S	S	361
Private truck	35 629	76.5	18 678	70.3	2 126	34.5	98
Rail	S	S	S	S	S	S	584
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 441
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 419	3.0	214	.8	S	S	792
Parcel, U.S. Postal Service or courier	1 289	2.8	129	.5	68	1.1	791
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 976	6.4	1 258	4.7	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	11 431	100.0	14 869	100.0	S	S	476
Single modes	9 346	81.8	14 605	98.2	S	S	217
Truck ¹	7 617	66.6	7 573	50.9	1 050	36.3	197
For-hire truck	4 440	38.8	2 125	14.3	693	24.0	579
Private truck	3 177	27.8	5 446	36.6	357	12.3	43
Rail	S	S	S	S	S	S	493
Water	S	S	S	S	S	S	1 478
Shallow draft	S	S	S	S	S	S	1 478
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	5	—	S	S	1 164
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	1 442	12.6	78	.5	49	1.7	792
Parcel, U.S. Postal Service or courier	1 418	12.4	42	.3	27	.9	792
Truck and rail	24	.2	S	S	20	.7	S
Truck and water	S	S	S	S	S	S	3 779
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	5 308
Other and unknown modes	644	5.6	186	1.3	S	S	219

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549
Less than 50 miles	560 044	1 794 357	39 551
50 to 99 miles	177 274	309 240	28 808
100 to 249 miles	346 887	407 720	88 214
250 to 499 miles	342 702	297 605	147 657
500 to 749 miles	241 378	179 731	155 257
750 to 999 miles	144 642	107 039	123 325
1,000 to 1,499 miles	140 361	91 882	150 549
1,500 to 1,999 miles	83 231	23 087	50 185
2,000 miles or more	10 165	2 551	7 003
SCTG 01, Live animals and live fish	3 402	3 068	608
Less than 50 miles	349	296	11
50 to 99 miles	S	1 052	S
100 to 249 miles	1 369	1 286	276
250 to 499 miles	431	377	163
500 to 749 miles	56	35	25
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	20	30
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	36 417	319 295	172 302
Less than 50 miles	11 336	109 340	2 928
50 to 99 miles	2 927	27 158	2 563
100 to 249 miles	4 593	36 973	8 781
250 to 499 miles	5 343	46 087	23 984
500 to 749 miles	4 308	36 350	36 520
750 to 999 miles	3 515	29 003	36 186
1,000 to 1,499 miles	4 115	34 144	60 595
1,500 to 1,999 miles	S	170	375
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	36 829	102 242	41 817
Less than 50 miles	15 109	42 674	1 340
50 to 99 miles	7 196	17 225	1 582
100 to 249 miles	4 741	10 316	1 954
250 to 499 miles	1 935	4 882	3 106
500 to 749 miles	3 492	12 371	12 660
750 to 999 miles	2 378	8 688	11 139
1,000 to 1,499 miles	1 600	5 875	9 576
1,500 to 1,999 miles	S	196	427
2,000 miles or more	7	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959
Less than 50 miles	10 502	45 677	958
50 to 99 miles	3 590	9 539	887
100 to 249 miles	4 630	11 982	2 494
250 to 499 miles	4 997	12 381	6 442
500 to 749 miles	3 217	9 063	7 689
750 to 999 miles	1 373	2 657	2 912
1,000 to 1,499 miles	1 648	3 675	6 165
1,500 to 1,999 miles	531	610	1 373
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156
Less than 50 miles	11 391	4 985	110
50 to 99 miles	5 580	2 789	256
100 to 249 miles	9 724	4 626	969
250 to 499 miles	9 911	4 762	2 175
500 to 749 miles	7 349	3 306	2 522
750 to 999 miles	6 033	2 457	2 538
1,000 to 1,499 miles	11 171	3 982	5 913
1,500 to 1,999 miles	2 465	754	1 554
2,000 miles or more	121	46	119
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316
Less than 50 miles	8 261	8 576	220
50 to 99 miles	3 295	3 103	291
100 to 249 miles	7 653	9 719	2 239
250 to 499 miles	7 226	7 919	3 848
500 to 749 miles	6 700	9 085	7 690
750 to 999 miles	3 631	4 620	4 965
1,000 to 1,499 miles	2 402	3 860	6 002
1,500 to 1,999 miles	1 802	1 376	2 930
2,000 miles or more	109	46	131
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115
Less than 50 miles	35 474	43 258	1 044
50 to 99 miles	13 244	18 294	1 698
100 to 249 miles	21 678	27 065	5 494
250 to 499 miles	16 398	19 098	9 420
500 to 749 miles	12 251	12 173	9 788
750 to 999 miles	7 229	7 439	8 132
1,000 to 1,499 miles	5 152	5 392	8 643
1,500 to 1,999 miles	3 892	3 106	6 746
2,000 miles or more	102	59	150

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	18 069	18 772	4 589
Less than 50 miles	10 843	9 419	173
50 to 99 miles	1 297	1 467	127
100 to 249 miles	2 459	3 439	746
250 to 499 miles	1 874	2 548	1 076
500 to 749 miles	530	656	524
750 to 999 miles	477	416	450
1,000 to 1,499 miles	378	598	1 001
1,500 to 1,999 miles	177	218	460
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	7 302	453	74
Less than 50 miles	3 860	217	6
50 to 99 miles	1 288	113	10
100 to 249 miles	1 196	89	17
250 to 499 miles	520	18	8
500 to 749 miles	102	4	3
750 to 999 miles	S	1	1
1,000 to 1,499 miles	95	3	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	749	3 845	398
Less than 50 miles	237	2 836	43
50 to 99 miles	S	S	S
100 to 249 miles	S	415	80
250 to 499 miles	47	114	46
500 to 749 miles	64	91	68
750 to 999 miles	39	46	47
1,000 to 1,499 miles	74	50	77
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	1 127	134 572	8 363
Less than 50 miles	760	115 882	2 736
50 to 99 miles	94	7 205	670
100 to 249 miles	134	7 687	1 743
250 to 499 miles	46	1 252	522
500 to 749 miles	42	904	783
750 to 999 miles	16	S	S
1,000 to 1,499 miles	S	463	680
1,500 to 1,999 miles	5	35	75
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100
Less than 50 miles	2 535	482 521	9 921
50 to 99 miles	149	29 490	2 678
100 to 249 miles	201	32 882	7 277
250 to 499 miles	125	21 392	10 113
500 to 749 miles	33	6 038	5 459
750 to 999 miles	32	3 294	3 534
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724
Less than 50 miles	1 042	47 340	1 006
50 to 99 miles	S	5 420	487
100 to 249 miles	453	7 836	1 694
250 to 499 miles	281	6 310	3 070
500 to 749 miles	137	1 915	1 462
750 to 999 miles	52	668	771
1,000 to 1,499 miles	55	718	1 133
1,500 to 1,999 miles	19	36	72
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775
Less than 50 miles	642	13 464	671
50 to 99 miles	560	8 939	918
100 to 249 miles	137	S	S
250 to 499 miles	684	17 799	14 485
500 to 749 miles	636	16 308	14 024
750 to 999 miles	153	S	S
1,000 to 1,499 miles	198	3 382	5 625
1,500 to 1,999 miles	43	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	3 951	174 844	26 639
Less than 50 miles	2 314	107 629	3 072
50 to 99 miles	447	19 142	2 095
100 to 249 miles	726	28 712	6 799
250 to 499 miles	216	8 980	4 263
500 to 749 miles	156	6 381	5 729
750 to 999 miles	92	4 000	4 679
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114
Less than 50 miles	38 500	145 126	2 961
50 to 99 miles	5 272	19 365	1 670
100 to 249 miles	5 954	26 895	4 751
250 to 499 miles	1 627	7 306	2 952
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	19 835	95 941	5 777
Less than 50 miles	15 675	73 470	1 254
50 to 99 miles	2 064	10 205	889
100 to 249 miles	1 627	8 909	1 456
250 to 499 miles	309	1 790	757
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405
Less than 50 miles	8 756	69 505	1 160
50 to 99 miles	1 863	9 804	794
100 to 249 miles	3 363	21 070	4 993
250 to 499 miles	2 245	8 046	3 798
500 to 749 miles	810	2 380	2 148
750 to 999 miles	300	491	539
1,000 to 1,499 miles	337	649	910
1,500 to 1,999 miles	124	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	19 296	45 614	19 613
Less than 50 miles	5 835	16 461	287
50 to 99 miles	1 403	3 591	348
100 to 249 miles	3 014	8 199	1 776
250 to 499 miles	4 002	6 809	3 270
500 to 749 miles	2 022	2 577	2 279
750 to 999 miles	1 291	3 682	4 489
1,000 to 1,499 miles	865	3 951	6 373
1,500 to 1,999 miles	709	263	577
2,000 miles or more	155	80	214
SCTG 21, Pharmaceutical products	51 941	1 921	970
Less than 50 miles	9 201	434	10
50 to 99 miles	4 868	190	18
100 to 249 miles	10 765	285	58
250 to 499 miles	10 974	292	128
500 to 749 miles	6 157	301	229
750 to 999 miles	4 500	S	S
1,000 to 1,499 miles	2 925	94	133
1,500 to 1,999 miles	2 393	65	137
2,000 miles or more	158	2	5
SCTG 22, Fertilizers	9 177	45 231	6 144
Less than 50 miles	5 828	27 838	552
50 to 99 miles	996	5 273	481
100 to 249 miles	1 174	6 398	S
250 to 499 miles	S	S	S
500 to 749 miles	206	967	755
750 to 999 miles	54	227	245
1,000 to 1,499 miles	51	218	375
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753
Less than 50 miles	16 391	8 983	188
50 to 99 miles	4 190	2 097	198
100 to 249 miles	12 107	5 958	1 321
250 to 499 miles	12 970	6 148	2 806
500 to 749 miles	9 848	4 529	3 413
750 to 999 miles	5 405	2 394	2 560
1,000 to 1,499 miles	3 263	1 333	1 910
1,500 to 1,999 miles	4 375	1 647	3 650
2,000 miles or more	496	260	706
SCTG 24, Plastics and rubber	87 701	30 691	14 652
Less than 50 miles	20 485	6 916	175
50 to 99 miles	6 763	2 438	224
100 to 249 miles	15 450	5 410	1 168
250 to 499 miles	18 340	7 161	3 236
500 to 749 miles	11 916	4 504	3 493
750 to 999 miles	5 954	1 881	1 966
1,000 to 1,499 miles	4 600	1 200	1 759
1,500 to 1,999 miles	3 364	974	2 088
2,000 miles or more	828	207	544

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	759	9 132	1 412
Less than 50 miles	298	3 882	S
50 to 99 miles	161	3 703	365
100 to 249 miles	93	405	80
250 to 499 miles	131	S	S
500 to 749 miles	29	57	43
750 to 999 miles	4	S	S
1,000 to 1,499 miles	5	S	S
1,500 to 1,999 miles	34	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	25 686	41 693	10 043
Less than 50 miles	8 935	18 255	503
50 to 99 miles	3 407	8 079	730
100 to 249 miles	4 548	7 708	1 542
250 to 499 miles	3 345	3 406	1 550
500 to 749 miles	1 994	1 540	1 185
750 to 999 miles	1 457	746	812
1,000 to 1,499 miles	1 205	1 232	2 036
1,500 to 1,999 miles	764	708	1 634
2,000 miles or more	32	20	51
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809
Less than 50 miles	6 735	6 874	138
50 to 99 miles	2 395	S	S
100 to 249 miles	4 092	6 032	1 373
250 to 499 miles	5 945	6 359	3 050
500 to 749 miles	3 930	4 405	3 475
750 to 999 miles	2 195	3 141	3 379
1,000 to 1,499 miles	1 154	1 429	2 216
1,500 to 1,999 miles	1 158	1 347	2 915
2,000 miles or more	88	69	186
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755
Less than 50 miles	9 577	7 284	186
50 to 99 miles	2 898	2 494	226
100 to 249 miles	4 227	3 205	653
250 to 499 miles	4 461	2 303	1 008
500 to 749 miles	2 983	1 276	976
750 to 999 miles	1 845	881	920
1,000 to 1,499 miles	1 004	471	703
1,500 to 1,999 miles	1 122	480	1 039
2,000 miles or more	78	18	45
SCTG 29, Printed products	70 356	21 176	8 077
Less than 50 miles	21 614	9 351	174
50 to 99 miles	3 907	1 416	128
100 to 249 miles	8 602	2 468	500
250 to 499 miles	10 919	2 610	1 187
500 to 749 miles	9 374	2 268	1 681
750 to 999 miles	6 143	1 106	1 138
1,000 to 1,499 miles	5 856	1 316	1 888
1,500 to 1,999 miles	3 573	599	1 255
2,000 miles or more	368	41	126
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152
Less than 50 miles	6 185	716	18
50 to 99 miles	2 370	277	26
100 to 249 miles	7 533	819	172
250 to 499 miles	8 903	650	294
500 to 749 miles	6 510	419	314
750 to 999 miles	4 004	280	293
1,000 to 1,499 miles	3 651	322	459
1,500 to 1,999 miles	1 980	S	S
2,000 miles or more	432	25	69
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161
Less than 50 miles	10 635	211 877	3 993
50 to 99 miles	3 040	19 596	1 917
100 to 249 miles	5 382	22 146	4 549
250 to 499 miles	5 437	14 476	6 529
500 to 749 miles	2 383	3 148	2 414
750 to 999 miles	1 130	1 975	2 144
1,000 to 1,499 miles	994	S	S
1,500 to 1,999 miles	1 100	1 160	2 509
2,000 miles or more	282	179	484
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949
Less than 50 miles	33 269	61 577	1 269
50 to 99 miles	13 759	23 427	2 176
100 to 249 miles	29 602	42 694	9 542
250 to 499 miles	24 159	28 659	12 476
500 to 749 miles	10 034	10 568	7 987
750 to 999 miles	4 718	5 833	6 658
1,000 to 1,499 miles	2 400	2 793	4 243
1,500 to 1,999 miles	2 339	1 555	3 531
2,000 miles or more	439	413	1 066

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	83 492	38 927	19 155
Less than 50 miles	20 352	9 275	250
50 to 99 miles	7 141	3 266	301
100 to 249 miles	14 658	7 150	1 501
250 to 499 miles	15 959	6 620	2 996
500 to 749 miles	11 099	5 082	3 779
750 to 999 miles	5 364	3 705	S
1,000 to 1,499 miles	4 839	2 934	4 372
1,500 to 1,999 miles	3 331	704	1 485
2,000 miles or more	750	190	496
SCTG 34, Machinery	173 714	25 461	12 974
Less than 50 miles	40 286	6 243	153
50 to 99 miles	13 514	2 188	220
100 to 249 miles	29 394	4 831	1 010
250 to 499 miles	30 775	4 355	1 964
500 to 749 miles	22 448	2 994	2 267
750 to 999 miles	13 651	1 763	1 872
1,000 to 1,499 miles	14 330	1 824	2 618
1,500 to 1,999 miles	8 401	1 063	2 353
2,000 miles or more	916	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524
Less than 50 miles	37 608	2 632	57
50 to 99 miles	8 297	789	75
100 to 249 miles	20 361	1 661	354
250 to 499 miles	28 885	2 355	1 072
500 to 749 miles	21 956	1 462	1 085
750 to 999 miles	15 803	773	807
1,000 to 1,499 miles	18 952	1 349	2 026
1,500 to 1,999 miles	10 939	902	1 898
2,000 miles or more	1 281	56	151
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473
Less than 50 miles	65 282	16 505	370
50 to 99 miles	22 806	5 029	481
100 to 249 miles	59 271	13 532	3 125
250 to 499 miles	62 137	11 338	5 547
500 to 749 miles	43 365	7 011	5 433
750 to 999 miles	23 484	3 659	3 996
1,000 to 1,499 miles	25 162	3 270	5 058
1,500 to 1,999 miles	14 609	1 646	3 713
2,000 miles or more	1 770	278	749
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048
Less than 50 miles	1 656	300	16
50 to 99 miles	655	50	5
100 to 249 miles	2 360	375	91
250 to 499 miles	3 430	409	188
500 to 749 miles	3 977	341	295
750 to 999 miles	2 593	109	113
1,000 to 1,499 miles	4 673	S	S
1,500 to 1,999 miles	1 324	27	56
2,000 miles or more	126	S	S
SCTG 38, Precision instruments and apparatus	35 611	714	490
Less than 50 miles	7 260	140	3
50 to 99 miles	1 943	62	5
100 to 249 miles	3 821	81	16
250 to 499 miles	5 348	93	44
500 to 749 miles	5 366	105	83
750 to 999 miles	4 175	63	67
1,000 to 1,499 miles	4 501	134	192
1,500 to 1,999 miles	2 717	33	68
2,000 miles or more	480	4	10
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096
Less than 50 miles	7 734	1 754	42
50 to 99 miles	986	244	24
100 to 249 miles	3 614	930	214
250 to 499 miles	3 943	993	451
500 to 749 miles	4 757	1 025	764
750 to 999 miles	2 590	596	628
1,000 to 1,499 miles	2 528	545	776
1,500 to 1,999 miles	1 736	476	1 063
2,000 miles or more	154	31	134
SCTG 40, Miscellaneous manufactured products	113 234	23 111	11 607
Less than 50 miles	21 119	5 654	137
50 to 99 miles	8 804	2 305	230
100 to 249 miles	18 675	4 203	886
250 to 499 miles	19 971	3 918	1 699
500 to 749 miles	17 855	2 725	2 078
750 to 999 miles	10 731	1 670	1 724
1,000 to 1,499 miles	8 760	1 181	1 748
1,500 to 1,999 miles	6 519	1 361	2 851
2,000 miles or more	799	95	254

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	12 395	69 134	12 405
Less than 50 miles	4 498	32 617	883
50 to 99 miles	1 800	12 444	1 228
100 to 249 miles	3 167	12 248	2 762
250 to 499 miles	2 034	7 849	3 643
500 to 749 miles	592	2 816	2 257
750 to 999 miles	164	621	669
1,000 to 1,499 miles	95	372	591
1,500 to 1,999 miles	42	166	369
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	46 600	26 553	6 163
Less than 50 miles	18 180	9 873	277
50 to 99 miles	9 180	5 065	461
100 to 249 miles	12 635	6 496	1 208
250 to 499 miles	3 268	S	S
500 to 749 miles	1 255	S	S
750 to 999 miles	1 133	S	S
1,000 to 1,499 miles	579	S	S
1,500 to 1,999 miles	355	S	S
2,000 miles or more	S	S	S
Commodity unknown	11 431	14 869	S
Less than 50 miles	3 496	6 696	116
50 to 99 miles	1 151	1 354	122
100 to 249 miles	1 474	S	S
250 to 499 miles	2 318	S	S
500 to 749 miles	1 310	379	302
750 to 999 miles	685	166	182
1,000 to 1,499 miles	502	S	S
1,500 to 1,999 miles	432	34	72
2,000 miles or more	63	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549
Less than 50 lb	197 920	6 477	3 152
50 to 99 lb	58 889	3 879	1 217
100 to 499 lb	178 441	22 388	5 298
500 to 749 lb	59 480	11 097	2 707
750 to 999 lb	39 596	9 133	1 892
1,000 to 9,999 lb	456 366	196 466	42 059
10,000 to 49,999 lb	787 094	1 263 612	238 202
50,000 to 99,999 lb	136 800	634 553	57 144
100,000 lb or more	132 098	1 065 606	438 877
SCTG 01, Live animals and live fish	3 402	3 068	608
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	2	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	2 155	2 084	431
50,000 to 99,999 lb	545	526	93
100,000 lb or more	224	200	35
SCTG 02, Cereal grains	36 417	319 295	172 302
Less than 50 lb	—	—	—
50 to 99 lb	S	6	S
100 to 499 lb	17	67	2
500 to 749 lb	16	46	4
750 to 999 lb	10	43	4
1,000 to 9,999 lb	493	1 629	202
10,000 to 49,999 lb	4 817	20 680	3 372
50,000 to 99,999 lb	11 550	111 495	9 525
100,000 lb or more	19 510	185 329	159 193
SCTG 03, Other agricultural products	36 829	102 242	41 817
Less than 50 lb	1 129	119	48
50 to 99 lb	237	62	3
100 to 499 lb	1 057	467	29
500 to 749 lb	409	308	20
750 to 999 lb	365	235	19
1,000 to 9,999 lb	3 910	5 042	561
10,000 to 49,999 lb	10 164	17 298	3 231
50,000 to 99,999 lb	9 142	36 640	2 421
100,000 lb or more	10 418	42 071	35 486
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959
Less than 50 lb	36	20	2
50 to 99 lb	72	65	2
100 to 499 lb	446	663	22
500 to 749 lb	312	510	19
750 to 999 lb	158	250	11
1,000 to 9,999 lb	4 320	11 954	634
10,000 to 49,999 lb	17 646	45 882	11 085
50,000 to 99,999 lb	3 566	18 668	3 266
100,000 lb or more	3 938	17 584	13 919
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156
Less than 50 lb	309	42	6
50 to 99 lb	413	72	4
100 to 499 lb	2 019	593	39
500 to 749 lb	874	333	32
750 to 999 lb	717	264	33
1,000 to 9,999 lb	11 980	4 544	1 624
10,000 to 49,999 lb	45 413	20 587	13 502
50,000 to 99,999 lb	709	429	388
100,000 lb or more	1 312	843	528
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316
Less than 50 lb	716	140	16
50 to 99 lb	295	117	4
100 to 499 lb	1 489	624	41
500 to 749 lb	718	341	31
750 to 999 lb	507	251	34
1,000 to 9,999 lb	6 335	3 429	969
10,000 to 49,999 lb	26 510	23 467	12 648
50,000 to 99,999 lb	1 083	4 284	873
100,000 lb or more	3 425	15 650	13 700
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115
Less than 50 lb	793	121	21
50 to 99 lb	692	221	15
100 to 499 lb	4 041	2 297	160
500 to 749 lb	1 807	1 263	105
750 to 999 lb	1 578	1 123	103
1,000 to 9,999 lb	21 322	16 898	2 458
10,000 to 49,999 lb	71 457	73 866	23 941
50,000 to 99,999 lb	4 787	14 466	2 057
100,000 lb or more	8 943	25 628	22 255

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	18 069	18 772	4 589
Less than 50 lb	155	36	1
50 to 99 lb	293	90	3
100 to 499 lb	2 186	1 217	34
500 to 749 lb	968	684	17
750 to 999 lb	780	593	15
1,000 to 9,999 lb	5 673	4 974	149
10,000 to 49,999 lb	5 154	6 315	1 940
50,000 to 99,999 lb	1 259	2 640	517
100,000 lb or more	1 600	2 224	1 912
SCTG 09, Tobacco products	7 302	453	74
Less than 50 lb	934	24	2
50 to 99 lb	771	22	2
100 to 499 lb	2 929	113	16
500 to 749 lb	603	36	7
750 to 999 lb	416	35	5
1,000 to 9,999 lb	1 582	155	37
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	749	3 845	398
Less than 50 lb	2	—	S
50 to 99 lb	S	S	—
100 to 499 lb	S	S	S
500 to 749 lb	11	7	1
750 to 999 lb	18	12	S
1,000 to 9,999 lb	114	143	24
10,000 to 49,999 lb	482	2 523	289
50,000 to 99,999 lb	S	453	23
100,000 lb or more	S	672	57
SCTG 11, Natural sands	1 127	134 572	8 363
Less than 50 lb	S	S	S
50 to 99 lb	—	1	—
100 to 499 lb	S	7	—
500 to 749 lb	S	12	—
750 to 999 lb	3	3	—
1,000 to 9,999 lb	111	774	27
10,000 to 49,999 lb	506	65 413	2 974
50,000 to 99,999 lb	268	41 746	1 999
100,000 lb or more	212	26 617	3 361
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	7	S
500 to 749 lb	S	6	S
750 to 999 lb	S	S	—
1,000 to 9,999 lb	S	2 927	47
10,000 to 49,999 lb	1 740	334 564	10 810
50,000 to 99,999 lb	562	101 653	3 508
100,000 lb or more	686	136 511	24 734
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724
Less than 50 lb	23	2	S
50 to 99 lb	3	4	—
100 to 499 lb	45	49	2
500 to 749 lb	13	S	S
750 to 999 lb	9	10	1
1,000 to 9,999 lb	287	1 296	104
10,000 to 49,999 lb	1 767	38 829	2 627
50,000 to 99,999 lb	291	11 038	911
100,000 lb or more	405	18 964	6 074
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775
Less than 50 lb	7	—	S
50 to 99 lb	3	—	—
100 to 499 lb	117	2	1
500 to 749 lb	26	3	1
750 to 999 lb	5	1	—
1,000 to 9,999 lb	200	60	16
10,000 to 49,999 lb	506	814	262
50,000 to 99,999 lb	43	S	S
100,000 lb or more	2 173	64 160	40 356
SCTG 15, Coal	3 951	174 844	26 639
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	17	S
10,000 to 49,999 lb	304	10 141	580
50,000 to 99,999 lb	681	20 730	1 599
100,000 lb or more	2 930	143 950	24 458

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114
Less than 50 lb	8	13	S
50 to 99 lb	16	37	1
100 to 499 lb	S	153	2
500 to 749 lb	53	112	2
750 to 999 lb	58	148	2
1,000 to 9,999 lb	2 719	5 961	183
10,000 to 49,999 lb	8 847	33 998	1 887
50,000 to 99,999 lb	25 532	93 491	4 596
100,000 lb or more	14 278	66 044	7 439
SCTG 18, Fuel oils	19 835	95 941	5 777
Less than 50 lb	2	S	S
50 to 99 lb	5	13	S
100 to 499 lb	114	285	5
500 to 749 lb	95	304	4
750 to 999 lb	146	526	6
1,000 to 9,999 lb	3 148	10 727	195
10,000 to 49,999 lb	3 418	14 389	711
50,000 to 99,999 lb	6 827	32 785	2 044
100,000 lb or more	6 079	36 907	S
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405
Less than 50 lb	125	30	3
50 to 99 lb	61	27	2
100 to 499 lb	660	399	24
500 to 749 lb	255	295	19
750 to 999 lb	292	455	21
1,000 to 9,999 lb	3 730	5 808	448
10,000 to 49,999 lb	5 795	41 075	3 500
50,000 to 99,999 lb	1 777	16 524	1 426
100,000 lb or more	5 108	47 813	9 960
SCTG 20, Basic chemicals	19 296	45 614	19 613
Less than 50 lb	1 149	41	10
50 to 99 lb	248	71	7
100 to 499 lb	1 310	940	58
500 to 749 lb	436	316	40
750 to 999 lb	429	218	15
1,000 to 9,999 lb	3 941	3 242	357
10,000 to 49,999 lb	8 533	17 689	4 121
50,000 to 99,999 lb	761	4 113	2 044
100,000 lb or more	2 489	18 983	12 961
SCTG 21, Pharmaceutical products	51 941	1 921	970
Less than 50 lb	14 074	151	59
50 to 99 lb	4 778	79	24
100 to 499 lb	10 715	242	80
500 to 749 lb	3 529	68	32
750 to 999 lb	2 040	49	21
1,000 to 9,999 lb	10 670	518	247
10,000 to 49,999 lb	5 915	746	493
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	9 177	45 231	6 144
Less than 50 lb	15	4	2
50 to 99 lb	6	4	1
100 to 499 lb	36	48	2
500 to 749 lb	22	29	2
750 to 999 lb	27	51	1
1,000 to 9,999 lb	1 854	6 302	105
10,000 to 49,999 lb	3 999	19 539	1 900
50,000 to 99,999 lb	1 453	8 759	752
100,000 lb or more	1 765	10 494	3 379
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753
Less than 50 lb	3 209	168	46
50 to 99 lb	1 634	147	36
100 to 499 lb	4 889	723	192
500 to 749 lb	2 232	315	84
750 to 999 lb	1 490	284	78
1,000 to 9,999 lb	13 339	4 345	1 550
10,000 to 49,999 lb	40 544	24 587	12 984
50,000 to 99,999 lb	499	687	298
100,000 lb or more	1 208	2 094	1 483
SCTG 24, Plastics and rubber	87 701	30 691	14 652
Less than 50 lb	6 415	326	168
50 to 99 lb	2 709	264	92
100 to 499 lb	10 187	1 399	463
500 to 749 lb	3 695	590	228
750 to 999 lb	2 784	519	205
1,000 to 9,999 lb	29 555	9 303	3 589
10,000 to 49,999 lb	29 907	15 329	8 054
50,000 to 99,999 lb	332	274	136
100,000 lb or more	2 117	2 686	1 718

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	759	9 132	1 412
Less than 50 lb	S	S	S
50 to 99 lb	—	S	S
100 to 499 lb	8	S	S
500 to 749 lb	3	2	—
750 to 999 lb	4	S	S
1,000 to 9,999 lb	70	121	6
10,000 to 49,999 lb	312	2 504	312
50,000 to 99,999 lb	178	4 689	448
100,000 lb or more	118	1 803	645
SCTG 26, Wood products	25 686	41 693	10 043
Less than 50 lb	360	33	14
50 to 99 lb	271	56	S
100 to 499 lb	1 564	325	54
500 to 749 lb	665	184	35
750 to 999 lb	515	186	31
1,000 to 9,999 lb	7 322	7 898	819
10,000 to 49,999 lb	13 106	22 473	5 961
50,000 to 99,999 lb	1 189	6 572	1 007
100,000 lb or more	694	3 966	2 090
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809
Less than 50 lb	547	58	17
50 to 99 lb	326	61	12
100 to 499 lb	1 584	461	79
500 to 749 lb	684	279	50
750 to 999 lb	531	184	30
1,000 to 9,999 lb	5 109	3 477	757
10,000 to 49,999 lb	15 065	21 594	11 715
50,000 to 99,999 lb	573	1 475	1 109
100,000 lb or more	3 272	S	4 039
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755
Less than 50 lb	1 595	109	43
50 to 99 lb	584	100	25
100 to 499 lb	1 920	528	88
500 to 749 lb	742	271	71
750 to 999 lb	516	228	46
1,000 to 9,999 lb	8 146	4 835	1 085
10,000 to 49,999 lb	14 533	11 957	4 268
50,000 to 99,999 lb	81	176	63
100,000 lb or more	76	208	S
SCTG 29, Printed products	70 356	21 176	8 077
Less than 50 lb	15 590	1 250	567
50 to 99 lb	4 162	497	139
100 to 499 lb	10 085	1 511	406
500 to 749 lb	2 890	542	153
750 to 999 lb	1 770	383	117
1,000 to 9,999 lb	17 984	7 888	2 946
10,000 to 49,999 lb	17 183	8 191	3 298
50,000 to 99,999 lb	275	204	45
100,000 lb or more	417	710	S
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152
Less than 50 lb	12 095	396	323
50 to 99 lb	2 289	105	57
100 to 499 lb	4 880	371	148
500 to 749 lb	1 243	138	44
750 to 999 lb	828	88	30
1,000 to 9,999 lb	10 091	1 059	416
10,000 to 49,999 lb	9 955	1 486	1 083
50,000 to 99,999 lb	74	27	25
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161
Less than 50 lb	1 353	129	86
50 to 99 lb	437	61	24
100 to 499 lb	1 495	380	84
500 to 749 lb	404	206	31
750 to 999 lb	254	125	19
1,000 to 9,999 lb	4 667	10 718	878
10,000 to 49,999 lb	17 214	120 501	12 787
50,000 to 99,999 lb	2 910	45 681	3 943
100,000 lb or more	1 650	S	9 310
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949
Less than 50 lb	1 625	79	18
50 to 99 lb	961	104	20
100 to 499 lb	4 580	891	162
500 to 749 lb	1 860	559	109
750 to 999 lb	1 626	525	110
1,000 to 9,999 lb	21 831	14 157	2 899
10,000 to 49,999 lb	66 832	99 874	24 817
50,000 to 99,999 lb	9 000	25 730	2 865
100,000 lb or more	12 403	35 603	17 949

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	83 492	38 927	19 155
Less than 50 lb	11 315	382	205
50 to 99 lb	4 465	271	115
100 to 499 lb	11 554	1 306	499
500 to 749 lb	4 192	568	177
750 to 999 lb	2 492	435	150
1,000 to 9,999 lb	23 236	8 528	2 988
10,000 to 49,999 lb	23 987	23 700	11 628
50,000 to 99,999 lb	985	1 151	578
100,000 lb or more	1 266	2 587	2 816
SCTG 34, Machinery	173 714	25 461	12 974
Less than 50 lb	20 867	444	174
50 to 99 lb	5 786	215	79
100 to 499 lb	18 452	1 229	525
500 to 749 lb	7 527	642	S
750 to 999 lb	3 639	314	170
1,000 to 9,999 lb	39 947	5 625	2 543
10,000 to 49,999 lb	67 466	14 353	7 305
50,000 to 99,999 lb	6 108	1 528	757
100,000 lb or more	3 921	1 112	868
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524
Less than 50 lb	40 679	604	325
50 to 99 lb	11 789	299	131
100 to 499 lb	32 685	1 287	613
500 to 749 lb	6 983	400	215
750 to 999 lb	4 413	231	122
1,000 to 9,999 lb	37 054	3 078	1 730
10,000 to 49,999 lb	29 713	5 852	4 184
50,000 to 99,999 lb	540	151	150
100,000 lb or more	227	S	56
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473
Less than 50 lb	12 381	619	215
50 to 99 lb	4 214	273	107
100 to 499 lb	15 007	1 001	353
500 to 749 lb	5 435	476	189
750 to 999 lb	4 382	400	137
1,000 to 9,999 lb	93 333	12 588	6 099
10,000 to 49,999 lb	131 154	33 624	13 824
50,000 to 99,999 lb	39 122	7 909	5 107
100,000 lb or more	12 855	5 380	2 443
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048
Less than 50 lb	4 159	12	11
50 to 99 lb	1 091	6	4
100 to 499 lb	3 947	36	27
500 to 749 lb	659	17	11
750 to 999 lb	278	10	6
1,000 to 9,999 lb	4 532	309	244
10,000 to 49,999 lb	5 224	696	438
50,000 to 99,999 lb	S	S	29
100,000 lb or more	682	571	S
SCTG 38, Precision instruments and apparatus	35 611	714	490
Less than 50 lb	16 941	124	81
50 to 99 lb	3 135	48	27
100 to 499 lb	7 070	128	68
500 to 749 lb	1 238	29	13
750 to 999 lb	929	25	13
1,000 to 9,999 lb	4 314	137	80
10,000 to 49,999 lb	1 958	217	200
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096
Less than 50 lb	1 288	114	101
50 to 99 lb	713	94	61
100 to 499 lb	3 149	423	231
500 to 749 lb	1 303	196	105
750 to 999 lb	1 167	169	87
1,000 to 9,999 lb	10 537	2 000	1 182
10,000 to 49,999 lb	9 384	3 133	1 970
50,000 to 99,999 lb	416	421	S
100,000 lb or more	85	42	7
SCTG 40, Miscellaneous manufactured products	113 234	23 111	11 607
Less than 50 lb	24 563	694	510
50 to 99 lb	5 313	279	167
100 to 499 lb	14 142	1 296	674
500 to 749 lb	5 808	486	239
750 to 999 lb	3 201	369	182
1,000 to 9,999 lb	27 427	5 486	2 675
10,000 to 49,999 lb	30 670	11 661	5 333
50,000 to 99,999 lb	1 260	1 397	478
100,000 lb or more	851	1 443	S

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	12 395	69 134	12 405
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	19	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	4	S
1,000 to 9,999 lb	459	1 134	55
10,000 to 49,999 lb	7 754	33 309	4 859
50,000 to 99,999 lb	1 356	13 201	1 434
100,000 lb or more	2 781	21 470	6 053
SCTG 43, Mixed freight	46 600	26 553	6 163
Less than 50 lb	1 728	136	S
50 to 99 lb	545	81	14
100 to 499 lb	2 838	750	82
500 to 749 lb	1 284	391	48
750 to 999 lb	909	310	51
1,000 to 9,999 lb	12 423	5 943	868
10,000 to 49,999 lb	26 363	14 930	2 079
50,000 to 99,999 lb	240	183	20
100,000 lb or more	S	S	S
Commodity unknown	11 431	14 869	S
Less than 50 lb	1 597	42	22
50 to 99 lb	492	19	7
100 to 499 lb	907	114	27
500 to 749 lb	452	58	13
750 to 999 lb	278	57	13
1,000 to 9,999 lb	2 217	1 203	215
10,000 to 49,999 lb	3 579	3 675	794
50,000 to 99,999 lb	359	2 271	108
100,000 lb or more	1 552	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	2 046 684	3 213 213	790 549	469	560 044	1 794 357	39 551	177 274	309 240	28 808
Less than 50 lb	197 920	6 477	3 152	565	49 649	2 534	45	11 898	403	37
50 to 99 lb	58 889	3 879	1 217	312	18 929	2 015	39	4 429	323	29
100 to 499 lb	178 441	22 388	5 298	241	57 486	13 018	266	14 573	2 139	194
500 to 749 lb	59 480	11 097	2 707	242	18 375	6 455	133	4 789	1 090	99
750 to 999 lb	39 596	9 133	1 892	207	12 023	5 390	106	4 153	951	86
1,000 to 9,999 lb	456 366	196 466	42 059	214	135 470	114 519	2 210	40 282	18 193	1 662
10,000 to 49,999 lb	787 094	1 263 612	238 202	190	175 428	781 044	16 247	73 373	107 202	9 799
50,000 to 99,999 lb	136 800	634 553	57 144	90	58 717	432 773	11 146	16 929	98 744	8 856
100,000 lb or more	132 098	1 065 606	438 877	349	33 967	436 610	9 359	6 848	80 194	8 046
SCTG 01, Live animals and live fish	3 402	3 068	608	339	349	296	11	S	1 052	S
Less than 50 lb	S	S	S	521	S	S	S	S	S	S
50 to 99 lb	S	S	S	251	S	S	S	S	S	S
100 to 499 lb	S	S	S	99	S	S	S	S	S	S
500 to 749 lb	S	2	S	164	S	1	S	S	S	S
750 to 999 lb	S	S	S	134	—	—	—	S	S	S
1,000 to 9,999 lb	S	S	S	186	S	58	2	29	30	3
10,000 to 49,999 lb	2 155	2 084	431	194	102	138	5	S	S	S
50,000 to 99,999 lb	545	526	93	179	26	24	1	S	S	S
100,000 lb or more	224	200	35	193	86	65	3	17	13	1
SCTG 02, Cereal grains	36 417	319 295	172 302	138	11 336	109 340	2 928	2 927	27 158	2 563
Less than 50 lb	—	—	—	S	—	—	—	—	S	S
50 to 99 lb	S	6	S	S	S	5	S	S	S	S
100 to 499 lb	17	67	2	30	14	62	1	1	2	—
500 to 749 lb	16	46	4	76	9	38	1	S	S	S
750 to 999 lb	10	43	4	S	8	37	1	S	S	S
1,000 to 9,999 lb	493	1 629	202	128	187	1 218	19	32	S	S
10,000 to 49,999 lb	4 817	20 680	3 372	158	1 521	13 607	261	268	2 001	179
50,000 to 99,999 lb	11 550	111 495	9 525	86	7 430	73 712	2 151	1 949	18 183	1 642
100,000 lb or more	19 510	185 329	159 193	685	2 164	20 660	494	672	6 834	728
SCTG 03, Other agricultural products	36 829	102 242	41 817	612	15 109	42 674	1 340	7 196	17 225	1 582
Less than 50 lb	1 129	119	48	695	352	43	1	92	9	1
50 to 99 lb	237	62	3	54	167	52	1	21	5	1
100 to 499 lb	1 057	467	29	60	605	345	7	201	72	6
500 to 749 lb	409	308	20	64	222	197	4	128	80	7
750 to 999 lb	365	235	19	79	134	141	3	S	41	4
1,000 to 9,999 lb	3 910	5 042	561	103	1 871	2 717	60	761	1 109	92
10,000 to 49,999 lb	10 164	17 298	3 231	178	4 188	8 721	216	2 784	3 435	326
50,000 to 99,999 lb	9 142	36 640	2 421	65	5 658	22 928	779	2 452	10 002	893
100,000 lb or more	10 418	42 071	35 486	497	1 912	7 528	268	612	2 471	252
SCTG 04, Animal feed and products of animal origin, n.e.c.	30 495	95 597	28 959	78	10 502	45 677	958	3 590	9 539	887
Less than 50 lb	36	20	2	155	25	18	—	S	—	—
50 to 99 lb	72	65	2	31	56	62	1	S	1	—
100 to 499 lb	446	663	22	31	333	623	9	23	7	1
500 to 749 lb	312	510	19	35	209	465	7	26	12	1
750 to 999 lb	158	250	11	42	97	220	3	S	9	1
1,000 to 9,999 lb	4 320	11 954	634	51	2 655	10 356	161	463	494	46
10,000 to 49,999 lb	17 646	45 882	11 085	169	5 445	23 488	519	2 312	5 478	513
50,000 to 99,999 lb	3 566	18 668	3 266	175	1 396	8 479	224	648	3 145	281
100,000 lb or more	3 938	17 584	13 919	786	285	1 966	35	92	392	44
SCTG 05, Meat, fish, seafood, and their preparations	63 745	27 706	16 156	190	11 391	4 985	110	5 580	2 789	256
Less than 50 lb	309	42	6	S	212	30	1	28	4	—
50 to 99 lb	413	72	4	S	320	57	1	49	8	1
100 to 499 lb	2 019	593	39	62	1 430	424	9	367	103	9
500 to 749 lb	874	333	32	96	473	190	4	191	77	7
750 to 999 lb	717	264	33	125	373	147	3	102	46	4
1,000 to 9,999 lb	11 980	4 544	1 624	281	3 272	1 405	34	1 719	816	76
10,000 to 49,999 lb	45 413	20 587	13 502	624	4 767	2 392	52	2 979	1 659	153
50,000 to 99,999 lb	709	429	388	938	S	49	S	129	69	6
100,000 lb or more	1 312	843	528	819	470	291	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	41 078	48 304	28 316	233	8 261	8 576	220	3 295	3 103	291
Less than 50 lb	716	140	16	305	323	119	2	20	5	1
50 to 99 lb	295	117	4	38	248	105	2	28	7	1
100 to 499 lb	1 489	624	41	62	1 057	457	10	199	82	7
500 to 749 lb	718	341	31	89	465	207	5	115	58	5
750 to 999 lb	507	251	34	136	245	115	3	113	51	5
1,000 to 9,999 lb	6 335	3 429	969	244	1 658	948	24	1 102	672	61
10,000 to 49,999 lb	26 510	23 467	12 648	522	3 591	4 013	90	1 547	1 707	162
50,000 to 99,999 lb	1 083	4 284	873	198	447	1 904	S	90	333	30
100,000 lb or more	3 425	15 650	13 700	865	225	710	15	S	186	20

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	115 419	135 883	51 115	189	35 474	43 258	1 044	13 244	18 294	1 698
Less than 50 lb	793	121	21	432	432	83	2	71	12	1
50 to 99 lb	692	221	15	68	456	167	4	106	30	3
100 to 499 lb	4 041	2 297	160	66	2 628	1 752	42	516	282	25
500 to 749 lb	1 807	1 263	105	83	1 094	940	22	219	155	14
750 to 999 lb	1 578	1 123	103	93	923	808	19	213	173	15
1,000 to 9,999 lb	21 322	16 898	2 458	136	9 372	10 446	242	2 688	2 396	217
10,000 to 49,999 lb	71 457	73 866	23 941	298	17 730	21 501	523	8 060	10 268	974
50,000 to 99,999 lb	4 787	14 466	2 057	141	1 883	5 573	163	1 164	4 161	364
100,000 lb or more	8 943	25 628	22 255	908	957	1 988	29	207	817	85
SCTG 08, Alcoholic beverages	18 069	18 772	4 589	35	10 843	9 419	173	1 297	1 467	127
Less than 50 lb	155	36	1	38	127	30	1	19	4	—
50 to 99 lb	293	90	3	33	241	78	2	36	8	1
100 to 499 lb	2 186	1 217	34	28	1 891	1 107	21	190	81	7
500 to 749 lb	968	684	17	25	870	643	12	57	28	2
750 to 999 lb	780	593	15	26	702	555	11	49	28	2
1,000 to 9,999 lb	5 673	4 974	149	27	5 129	4 649	89	272	207	16
10,000 to 49,999 lb	5 154	6 315	1 940	242	1 410	1 696	26	355	446	40
50,000 to 99,999 lb	1 259	2 640	517	198	209	446	8	223	560	50
100,000 lb or more	1 600	2 224	1 912	893	264	214	4	S	S	S
SCTG 09, Tobacco products	7 302	453	74	91	3 860	217	6	1 288	113	10
Less than 50 lb	934	24	2	66	601	16	—	223	5	—
50 to 99 lb	771	22	2	107	481	16	—	112	3	—
100 to 499 lb	2 929	113	16	126	1 665	63	2	577	24	2
500 to 749 lb	603	36	7	196	230	13	—	114	9	1
750 to 999 lb	416	35	5	137	234	16	—	46	6	1
1,000 to 9,999 lb	1 582	155	37	187	601	55	2	200	43	4
10,000 to 49,999 lb	S	S	S	78	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	749	3 845	398	S	237	2 836	43	S	S	S
Less than 50 lb	2	—	S	187	1	—	S	S	S	S
50 to 99 lb	S	S	—	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	11	7	1	172	S	S	S	S	S	S
750 to 999 lb	18	12	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	114	143	24	175	24	90	1	S	S	S
10,000 to 49,999 lb	482	2 523	289	100	100	S	23	S	S	—
50,000 to 99,999 lb	S	453	23	58	S	401	5	—	—	S
100,000 lb or more	S	672	57	80	S	619	S	S	S	S
SCTG 11, Natural sands	1 127	134 572	8 363	47	760	115 882	2 736	94	7 205	670
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	1	—	26	—	1	—	S	S	S
100 to 499 lb	S	7	—	34	S	7	—	S	S	S
500 to 749 lb	S	12	—	S	S	11	—	S	—	S
750 to 999 lb	3	3	—	S	S	3	—	S	S	S
1,000 to 9,999 lb	111	774	27	38	S	702	8	S	17	1
10,000 to 49,999 lb	506	65 413	2 974	42	391	60 205	1 287	25	1 986	167
50,000 to 99,999 lb	268	41 746	1 999	49	185	34 524	844	41	3 797	355
100,000 lb or more	212	26 617	3 361	168	92	20 431	S	11	1 405	147
SCTG 12, Gravel and crushed stone	3 074	575 681	39 100	32	2 535	482 521	9 921	149	29 490	2 678
Less than 50 lb	S	S	S	13	S	S	S	—	—	—
50 to 99 lb	S	S	S	18	S	S	S	S	S	S
100 to 499 lb	1	7	S	S	S	6	—	S	S	S
500 to 749 lb	S	6	S	111	S	5	S	S	S	S
750 to 999 lb	S	S	—	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	2 927	47	16	S	2 867	33	1	35	3
10,000 to 49,999 lb	1 740	334 564	10 810	31	1 592	316 734	6 604	60	10 665	890
50,000 to 99,999 lb	562	101 653	3 508	35	482	89 384	1 849	43	8 303	734
100,000 lb or more	686	136 511	24 734	65	381	73 515	1 435	45	10 486	1 050
SCTG 13, Nonmetallic minerals n.e.c.	2 842	70 256	9 724	145	1 042	47 340	1 006	S	5 420	487
Less than 50 lb	23	2	S	779	11	1	—	S	S	S
50 to 99 lb	3	4	—	S	2	4	—	S	S	S
100 to 499 lb	45	49	2	34	S	43	1	8	S	S
500 to 749 lb	13	S	S	48	9	S	S	S	2	—
750 to 999 lb	9	10	1	133	S	6	—	S	S	S
1,000 to 9,999 lb	287	1 296	104	91	130	1 017	22	S	125	13
10,000 to 49,999 lb	1 767	38 829	2 627	64	667	32 457	556	S	1 710	158
50,000 to 99,999 lb	291	11 038	911	87	76	7 434	243	S	1 926	162
100,000 lb or more	405	18 964	6 074	310	112	6 318	182	26	1 652	154

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	3 080	65 274	40 775	391	642	13 464	671	560	8 939	918
Less than 50 lb	7	—	S	426	S	S	S	S	S	S
50 to 99 lb	3	—	—	283	S	—	—	S	S	S
100 to 499 lb	117	2	1	502	5	1	—	S	—	—
500 to 749 lb	26	3	1	S	11	1	—	S	S	S
750 to 999 lb	5	1	—	328	2	—	S	S	S	S
1,000 to 9,999 lb	200	60	16	260	72	S	S	S	4	—
10,000 to 49,999 lb	506	814	262	402	105	126	4	180	348	36
50,000 to 99,999 lb	43	S	S	527	S	53	2	S	31	3
100,000 lb or more	2 173	64 160	40 356	337	424	13 245	664	337	8 556	878
SCTG 15, Coal	3 951	174 844	26 639	74	2 314	107 629	3 072	447	19 142	2 095
Less than 50 lb	S	S	S	339	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	77	S	S	S	S	S	S
750 to 999 lb	S	S	S	4	S	S	S	—	—	—
1,000 to 9,999 lb	S	17	S	77	S	14	—	—	—	—
10,000 to 49,999 lb	304	10 141	580	57	210	7 995	250	38	1 203	110
50,000 to 99,999 lb	681	20 730	1 599	78	448	14 996	566	58	2 536	S
100,000 lb or more	2 930	143 950	24 458	122	1 630	84 622	2 256	348	15 400	1 734
SCTG 17, Gasoline and aviation turbine fuel	51 668	199 957	14 114	35	38 500	145 126	2 961	5 272	19 365	1 670
Less than 50 lb	8	13	S	19	7	13	S	S	S	S
50 to 99 lb	16	37	1	23	15	36	S	S	S	S
100 to 499 lb	S	153	2	15	S	151	2	S	S	S
500 to 749 lb	53	112	2	17	52	112	2	S	S	S
750 to 999 lb	58	148	2	17	58	147	2	—	1	—
1,000 to 9,999 lb	2 719	5 961	183	25	2 464	5 419	110	185	329	29
10,000 to 49,999 lb	8 847	33 998	1 887	54	6 787	25 691	583	1 080	4 401	380
50,000 to 99,999 lb	25 532	93 491	4 596	50	20 634	73 704	1 868	2 963	12 287	1 056
100,000 lb or more	14 278	66 044	7 439	303	8 326	39 854	392	S	2 345	206
SCTG 18, Fuel oils	19 835	95 941	5 777	24	15 675	73 470	1 254	2 064	10 205	889
Less than 50 lb	2	S	S	53	2	4	S	S	S	S
50 to 99 lb	5	13	S	41	4	9	—	S	S	S
100 to 499 lb	114	285	5	19	111	275	4	3	9	1
500 to 749 lb	95	304	4	13	95	303	4	—	—	—
750 to 999 lb	146	526	6	12	144	522	6	S	S	S
1,000 to 9,999 lb	3 148	10 727	195	15	2 960	10 371	151	141	203	17
10,000 to 49,999 lb	3 418	14 389	711	42	2 790	11 347	231	359	1 659	158
50,000 to 99,999 lb	6 827	32 785	2 044	63	4 985	22 984	535	1 070	5 674	477
100,000 lb or more	6 079	36 907	S	279	4 583	27 653	323	489	2 652	236
SCTG 19, Coal and petroleum products, n.e.c.	17 803	112 426	15 405	78	8 756	69 505	1 160	1 863	9 804	794
Less than 50 lb	125	30	3	115	83	25	—	9	1	—
50 to 99 lb	61	27	2	87	38	21	—	4	2	—
100 to 499 lb	660	399	24	58	520	344	6	44	24	2
500 to 749 lb	255	295	19	70	166	254	4	31	21	2
750 to 999 lb	292	455	21	46	213	405	7	27	S	S
1,000 to 9,999 lb	3 730	5 808	448	59	2 263	4 603	81	341	301	27
10,000 to 49,999 lb	5 795	41 075	3 500	79	2 551	30 118	498	725	2 988	274
50,000 to 99,999 lb	1 777	16 524	1 426	89	935	11 168	303	249	1 738	157
100,000 lb or more	5 108	47 813	9 960	315	1 988	22 567	260	S	4 705	329
SCTG 20, Basic chemicals ..	19 296	45 614	19 613	187	5 835	16 461	287	1 403	3 591	348
Less than 50 lb	1 149	41	10	399	340	26	—	123	3	—
50 to 99 lb	248	71	7	96	103	61	1	9	2	—
100 to 499 lb	1 310	940	58	S	715	828	16	94	47	4
500 to 749 lb	436	316	40	129	171	249	5	39	22	2
750 to 999 lb	429	218	15	S	103	188	3	18	7	1
1,000 to 9,999 lb	3 941	3 242	357	98	1 515	2 247	49	344	320	30
10,000 to 49,999 lb	8 533	17 689	4 121	232	2 282	7 184	176	634	2 521	243
50,000 to 99,999 lb	761	4 113	2 044	534	213	1 393	23	88	517	47
100,000 lb or more	2 489	18 983	12 961	797	393	S	13	S	152	21
SCTG 21, Pharmaceutical products	51 941	1 921	970	501	9 201	434	10	4 868	190	18
Less than 50 lb	14 074	151	59	520	2 763	42	1	1 237	17	2
50 to 99 lb	4 778	79	24	300	934	23	1	680	13	1
100 to 499 lb	10 715	242	80	322	1 950	68	2	1 192	37	3
500 to 749 lb	3 529	68	32	464	222	11	—	144	8	1
750 to 999 lb	2 040	49	21	425	150	11	—	S	5	—
1,000 to 9,999 lb	10 670	518	247	430	1 526	94	3	921	68	7
10,000 to 49,999 lb	5 915	746	493	629	1 488	161	3	S	S	S
50,000 to 99,999 lb	S	S	S	35	S	S	S	S	S	S
100,000 lb or more	S	S	S	381	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	9 177	45 231	6 144	138	5 828	27 838	552	996	5 273	481
Less than 50 lb	15	4	2	866	2	S	—	S	S	S
50 to 99 lb	6	4	1	187	S	3	—	—	—	—
100 to 499 lb	36	48	2	47	24	43	1	S	1	—
500 to 749 lb	22	29	2	67	14	23	—	2	2	—
750 to 999 lb	27	51	1	24	22	48	1	S	1	—
1,000 to 9,999 lb	1 854	6 302	105	19	1 698	6 113	68	58	108	10
10,000 to 49,999 lb	3 999	19 539	1 900	68	2 613	13 076	282	536	2 717	235
50,000 to 99,999 lb	1 453	8 759	752	89	884	5 327	S	266	1 745	142
100,000 lb or more	1 765	10 494	3 379	330	565	3 204	51	S	699	93
SCTG 23, Chemical products and preparations, n.e.c.	69 045	33 349	16 753	293	16 391	8 983	188	4 190	2 097	198
Less than 50 lb	3 209	168	46	292	1 252	74	1	370	18	2
50 to 99 lb	1 634	147	36	244	770	78	1	172	15	1
100 to 499 lb	4 889	723	192	263	2 273	353	7	477	71	7
500 to 749 lb	2 232	315	84	263	1 234	141	3	159	32	3
750 to 999 lb	1 490	284	78	270	775	133	3	99	32	3
1,000 to 9,999 lb	13 339	4 345	1 550	342	3 691	1 473	32	1 132	353	33
10,000 to 49,999 lb	40 544	24 587	12 984	515	6 117	6 275	131	1 747	1 489	140
50,000 to 99,999 lb	499	687	298	420	143	130	3	33	82	8
100,000 lb or more	1 208	2 094	1 483	727	137	326	S	S	S	S
SCTG 24, Plastics and rubber	87 701	30 691	14 652	535	20 485	6 916	175	6 763	2 438	224
Less than 50 lb	6 415	326	168	616	1 971	100	2	374	21	2
50 to 99 lb	2 709	264	92	339	933	2	2	198	23	2
100 to 499 lb	10 187	1 399	463	313	3 580	582	13	935	143	13
500 to 749 lb	3 695	590	228	382	1 038	205	5	271	50	5
750 to 999 lb	2 784	519	205	389	722	166	4	241	53	5
1,000 to 9,999 lb	29 555	9 303	3 589	389	7 002	2 702	69	2 808	886	79
10,000 to 49,999 lb	29 907	15 329	8 054	483	4 888	2 634	69	1 874	1 187	108
50,000 to 99,999 lb	332	274	136	508	S	30	S	S	14	1
100,000 lb or more	2 117	2 686	1 718	642	297	386	10	47	60	9
SCTG 25, Logs and other wood in the rough	759	9 132	1 412	320	298	3 882	S	161	3 703	365
Less than 50 lb	S	S	S	667	S	S	S	S	S	S
50 to 99 lb	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	8	S	S	S	7	S	S	S	S	S
500 to 749 lb	3	2	—	116	S	S	S	S	S	S
750 to 999 lb	4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	70	121	6	S	38	S	S	S	7	1
10,000 to 49,999 lb	312	2 504	312	122	122	1 470	47	52	542	52
50,000 to 99,999 lb	178	4 689	448	94	48	1 681	S	81	S	S
100,000 lb or more	118	1 803	645	304	12	S	13	18	S	S
SCTG 26, Wood products	25 686	41 693	10 043	360	8 935	18 255	503	3 407	8 079	730
Less than 50 lb	360	33	14	612	110	12	—	32	4	—
50 to 99 lb	271	56	S	637	123	22	—	40	7	—
100 to 499 lb	1 564	325	54	167	838	198	4	239	47	4
500 to 749 lb	665	184	35	183	359	113	2	70	22	2
750 to 999 lb	515	186	31	161	273	117	3	63	26	2
1,000 to 9,999 lb	7 322	7 898	819	120	3 437	5 718	S	1 000	887	81
10,000 to 49,999 lb	13 106	22 473	5 961	235	3 216	8 029	226	1 699	4 863	430
50,000 to 99,999 lb	1 189	6 572	1 007	151	390	2 385	72	230	1 727	159
100,000 lb or more	694	3 966	2 090	587	189	1 660	S	35	497	51
SCTG 27, Pulp, newsprint, paper, and paperboard	27 691	42 920	17 809	253	6 735	6 874	138	2 395	S	S
Less than 50 lb	547	58	17	287	246	30	1	35	5	—
50 to 99 lb	326	61	12	186	184	38	1	20	5	—
100 to 499 lb	1 584	461	79	162	920	299	6	145	50	4
500 to 749 lb	684	279	50	174	368	184	3	57	25	2
750 to 999 lb	531	184	30	163	308	118	2	67	18	2
1,000 to 9,999 lb	5 109	3 477	757	201	2 306	1 780	34	448	485	51
10,000 to 49,999 lb	15 065	21 594	11 715	494	1 861	3 071	77	1 347	1 898	183
50,000 to 99,999 lb	573	1 475	1 109	699	116	295	3	S	S	S
100,000 lb or more	3 272	S	4 039	S	426	1 060	11	263	S	S
SCTG 28, Paper or paperboard articles	28 194	18 412	5 755	342	9 577	7 284	186	2 898	2 494	226
Less than 50 lb	1 595	109	43	442	517	52	1	112	9	1
50 to 99 lb	584	100	25	249	275	61	1	64	10	1
100 to 499 lb	1 920	528	88	167	988	334	7	274	72	6
500 to 749 lb	742	271	71	267	336	152	4	73	32	3
750 to 999 lb	516	228	46	197	281	144	3	56	24	2
1,000 to 9,999 lb	8 146	4 835	1 085	222	3 895	2 612	61	893	652	57
10,000 to 49,999 lb	14 533	11 957	4 268	317	3 172	3 767	104	1 423	1 674	153
50,000 to 99,999 lb	81	176	63	348	54	72	2	S	5	—
100,000 lb or more	76	208	S	425	58	91	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	70 356	21 176	8 077	493	21 614	9 351	174	3 907	1 416	128
Less than 50 lb	15 590	1 250	567	520	3 301	619	10	602	61	5
50 to 99 lb	4 162	497	139	273	1 222	296	5	216	37	3
100 to 499 lb	10 085	1 511	406	260	3 441	912	17	559	115	10
500 to 749 lb	2 890	542	153	278	1 475	316	7	130	28	2
750 to 999 lb	1 770	383	117	309	605	217	4	78	25	2
1,000 to 9,999 lb	17 984	7 888	2 946	392	6 896	3 746	68	1 134	420	36
10,000 to 49,999 lb	17 183	8 191	3 298	364	4 428	2 890	60	1 142	662	63
50,000 to 99,999 lb	275	204	45	223	82	92	1	33	23	2
100,000 lb or more	417	710	S	540	164	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	41 570	3 743	2 152	811	6 185	716	18	2 370	277	26
Less than 50 lb	12 095	396	323	834	1 035	38	1	470	14	1
50 to 99 lb	2 289	105	57	534	315	22	—	110	8	1
100 to 499 lb	4 880	371	148	412	1 076	130	3	331	33	3
500 to 749 lb	1 243	138	44	314	336	52	1	152	21	2
750 to 999 lb	828	88	30	345	224	31	1	43	8	1
1,000 to 9,999 lb	10 091	1 059	416	391	2 029	278	7	977	105	10
10,000 to 49,999 lb	9 955	1 486	1 083	661	1 146	143	5	277	87	8
50,000 to 99,999 lb	74	27	25	925	S	S	S	S	S	S
100,000 lb or more	S	S	S	286	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	30 384	276 310	27 161	399	10 635	211 877	3 993	3 040	19 596	1 917
Less than 50 lb	1 353	129	86	704	332	26	—	58	5	—
50 to 99 lb	437	61	24	375	136	28	—	28	4	—
100 to 499 lb	1 495	380	84	245	602	247	4	121	27	2
500 to 749 lb	404	206	31	151	153	145	3	25	11	1
750 to 999 lb	254	125	19	151	95	88	1	20	8	1
1,000 to 9,999 lb	4 667	10 718	878	102	1 896	9 095	126	320	485	44
10,000 to 49,999 lb	17 214	120 501	12 787	98	5 559	90 871	1 422	1 626	7 802	713
50,000 to 99,999 lb	2 910	45 681	3 943	86	1 241	27 789	681	728	9 509	894
100,000 lb or more	1 650	S	9 310	S	S	S	S	114	1 745	260
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	120 718	177 521	48 949	257	33 269	61 577	1 269	13 759	23 427	2 176
Less than 50 lb	1 625	79	18	394	704	46	1	158	9	1
50 to 99 lb	961	104	20	189	431	64	1	94	13	1
100 to 499 lb	4 580	891	162	180	2 182	520	10	461	111	10
500 to 749 lb	1 860	559	109	196	739	302	6	188	74	6
750 to 999 lb	1 626	525	110	209	556	274	6	156	85	7
1,000 to 9,999 lb	21 831	14 157	2 899	197	7 426	6 509	156	2 561	1 922	177
10,000 to 49,999 lb	66 832	99 874	24 817	244	16 257	34 109	726	7 402	11 506	1 069
50,000 to 99,999 lb	9 000	25 730	2 865	117	3 446	13 778	239	1 866	4 775	422
100,000 lb or more	12 403	35 603	17 949	421	1 529	5 975	123	874	4 932	483
SCTG 33, Articles of base metal	83 492	38 927	19 155	462	20 352	9 275	250	7 141	3 266	301
Less than 50 lb	11 315	382	205	488	3 776	130	3	806	23	2
50 to 99 lb	4 465	271	115	419	1 033	93	2	216	20	2
100 to 499 lb	11 554	1 306	499	417	3 055	496	10	774	116	11
500 to 749 lb	4 192	568	177	306	1 274	247	6	272	54	5
750 to 999 lb	2 492	435	150	347	693	166	4	208	47	4
1,000 to 9,999 lb	23 236	8 528	2 988	350	6 279	3 077	71	2 353	855	79
10,000 to 49,999 lb	23 987	23 700	11 628	459	3 876	4 575	140	2 475	1 905	175
50,000 to 99,999 lb	985	1 151	578	481	273	267	8	30	89	8
100,000 lb or more	1 266	2 587	2 816	1 156	95	224	6	S	S	S
SCTG 34, Machinery	173 714	25 461	12 974	393	40 286	6 243	153	13 514	2 188	220
Less than 50 lb	20 867	444	174	376	6 626	169	3	1 773	41	4
50 to 99 lb	5 786	215	79	358	2 035	93	2	599	23	2
100 to 499 lb	18 452	1 229	525	412	5 003	433	9	1 555	120	11
500 to 749 lb	7 527	642	S	854	1 674	157	3	559	41	4
750 to 999 lb	3 639	314	170	541	609	79	2	285	23	2
1,000 to 9,999 lb	39 947	5 625	2 543	473	8 974	1 797	37	3 384	459	42
10,000 to 49,999 lb	67 466	14 353	7 305	534	13 655	2 937	80	4 603	1 077	118
50,000 to 99,999 lb	6 108	1 528	757	475	1 504	464	14	S	S	S
100,000 lb or more	3 921	1 112	868	756	206	112	S	231	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	164 082	11 980	7 524	548	37 608	2 632	57	8 297	789	75
Less than 50 lb	40 679	604	325	562	10 488	233	4	1 900	31	3
50 to 99 lb	11 789	299	131	431	4 493	144	3	674	19	2
100 to 499 lb	32 685	1 287	613	478	8 653	554	12	1 518	73	7
500 to 749 lb	6 983	400	215	531	1 464	132	3	325	25	2
750 to 999 lb	4 413	231	122	529	1 044	62	1	201	18	2
1,000 to 9,999 lb	37 054	3 078	1 730	538	7 238	789	17	1 542	170	15
10,000 to 49,999 lb	29 713	5 852	4 184	679	4 062	663	15	2 126	448	44
50,000 to 99,999 lb	540	151	150	910	S	53	S	S	S	S
100,000 lb or more	227	S	56	966	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	317 884	62 270	28 473	299	65 282	16 505	370	22 806	5 029	481
Less than 50 lb	12 381	619	215	278	4 715	293	4	1 055	40	4
50 to 99 lb	4 214	273	107	384	1 070	94	2	314	20	2
100 to 499 lb	15 007	1 001	353	332	3 316	319	7	1 520	105	10
500 to 749 lb	5 435	476	189	393	956	118	3	624	53	5
750 to 999 lb	4 382	400	137	343	836	101	3	800	54	5
1,000 to 9,999 lb	93 333	12 588	6 099	472	22 540	3 362	69	6 685	1 138	108
10,000 to 49,999 lb	131 154	33 624	13 824	399	25 034	9 744	227	10 670	3 116	294
50,000 to 99,999 lb	39 122	7 909	5 107	681	3 308	1 402	37	997	461	49
100,000 lb or more	12 855	5 380	2 443	431	3 507	1 073	S	141	43	4
SCTG 37, Transportation equipment, n.e.c.	20 794	1 772	1 048	815	1 656	300	16	655	50	5
Less than 50 lb	4 159	12	11	857	331	1	—	98	—	—
50 to 99 lb	1 091	6	4	640	112	1	—	S	S	S
100 to 499 lb	3 947	36	27	746	446	5	—	S	1	—
500 to 749 lb	659	17	11	616	88	2	—	S	S	S
750 to 999 lb	278	10	6	584	S	2	—	S	S	S
1,000 to 9,999 lb	4 532	309	244	722	141	22	1	163	16	1
10,000 to 49,999 lb	5 224	696	438	739	140	44	1	S	25	S
50,000 to 99,999 lb	S	S	29	S	S	S	S	—	—	—
100,000 lb or more	682	571	S	531	250	154	13	S	S	S
SCTG 38, Precision instruments and apparatus	35 611	714	490	680	7 260	140	3	1 943	62	5
Less than 50 lb	16 941	124	81	690	2 575	30	1	777	7	1
50 to 99 lb	3 135	48	27	546	981	16	—	99	3	—
100 to 499 lb	7 070	128	68	507	2 109	39	1	373	9	1
500 to 749 lb	1 238	29	13	457	305	7	—	S	4	—
750 to 999 lb	929	25	13	544	172	4	—	59	S	—
1,000 to 9,999 lb	4 314	137	80	566	1 088	39	S	295	S	1
10,000 to 49,999 lb	1 958	217	200	931	S	S	S	116	20	2
50,000 to 99,999 lb	S	S	S	1 348	—	—	—	—	—	—
100,000 lb or more	S	S	S	249	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	28 043	6 593	4 096	794	7 734	1 754	42	986	244	24
Less than 50 lb	1 288	114	101	925	392	18	—	34	2	—
50 to 99 lb	713	94	61	651	242	25	—	21	2	—
100 to 499 lb	3 149	423	231	538	1 069	139	2	186	22	2
500 to 749 lb	1 303	196	105	528	387	57	1	55	9	1
750 to 999 lb	1 167	169	87	513	267	41	1	61	11	1
1,000 to 9,999 lb	10 537	2 000	1 182	596	2 468	435	9	484	103	10
10,000 to 49,999 lb	9 384	3 133	1 970	570	2 566	775	23	141	92	9
50,000 to 99,999 lb	416	421	S	812	S	S	S	S	S	S
100,000 lb or more	85	42	7	238	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products ...	113 234	23 111	11 607	763	21 119	5 654	137	8 804	2 305	230
Less than 50 lb	24 563	694	510	799	4 681	128	3	1 208	36	3
50 to 99 lb	5 313	279	167	598	1 115	70	1	296	18	2
100 to 499 lb	14 142	1 296	674	522	2 961	323	7	851	90	8
500 to 749 lb	5 808	486	239	487	1 065	153	3	224	37	4
750 to 999 lb	3 201	369	182	488	665	86	2	236	36	3
1,000 to 9,999 lb	27 427	5 486	2 675	490	5 034	1 451	36	2 128	558	54
10,000 to 49,999 lb	30 670	11 661	5 333	448	5 239	2 508	58	3 675	1 341	137
50,000 to 99,999 lb	1 260	1 397	478	322	187	500	16	154	164	16
100,000 lb or more	851	1 443	S	629	174	S	S	S	S	S
SCTG 41, Waste and scrap .	12 395	69 134	12 405	165	4 498	32 617	883	1 800	12 444	1 228
Less than 50 lb	S	S	S	947	S	S	S	S	S	S
50 to 99 lb	S	S	S	291	S	S	S	—	—	—
100 to 499 lb	19	S	S	196	S	S	S	S	—	—
500 to 749 lb	S	S	S	179	S	S	S	S	S	S
750 to 999 lb	S	4	S	S	1	S	—	S	S	S
1,000 to 9,999 lb	459	1 134	55	59	254	1 037	S	30	S	S
10,000 to 49,999 lb	7 754	33 309	4 859	128	2 544	16 002	430	1 131	7 138	627
50,000 to 99,999 lb	1 356	13 201	1 434	105	656	7 089	157	390	3 347	308
100,000 lb or more	2 781	21 470	6 053	290	1 029	8 476	272	248	1 918	290
SCTG 43, Mixed freight.....	46 600	26 553	6 163	369	18 180	9 873	277	9 180	5 065	461
Less than 50 lb	1 728	136	S	519	756	62	1	100	13	1
50 to 99 lb	545	81	14	179	277	45	1	86	13	1
100 to 499 lb	2 838	750	82	111	1 406	428	10	530	144	14
500 to 749 lb	1 284	391	48	122	534	202	4	279	81	8
750 to 999 lb	909	310	51	162	345	136	3	208	74	7
1,000 to 9,999 lb	12 423	5 943	868	139	4 599	2 343	67	2 207	1 135	105
10,000 to 49,999 lb	26 363	14 930	2 079	133	10 088	6 088	180	5 760	3 589	324
50,000 to 99,999 lb	240	183	20	104	176	121	2	S	S	S
100,000 lb or more	S	S	S	799	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles ¹			50 to 99 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	11 431	14 869	S	476	3 496	6 696	116	1 151	1 354	122
Less than 50 lb	1 597	42	22	577	478	16	—	108	3	—
50 to 99 lb	492	19	7	377	83	9	—	S	1	—
100 to 499 lb	907	114	27	254	307	61	1	45	9	1
500 to 749 lb	452	58	13	216	S	35	1	20	S	S
750 to 999 lb	278	57	13	226	102	26	—	S	S	S
1,000 to 9,999 lb	2 217	1 203	215	209	604	723	11	345	76	7
10,000 to 49,999 lb	3 579	3 675	794	184	1 049	2 073	36	407	440	40
50,000 to 99,999 lb	359	2 271	108	49	308	1 810	44	S	S	S
100,000 lb or more	1 552	S	S	266	S	1 943	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	346 887	407 720	88 214	342 702	297 605	147 657	241 378	179 731	155 257	144 642	107 039	123 325
Less than 50 lb	24 951	669	142	30 898	805	370	27 143	676	520	20 291	596	623
50 to 99 lb	7 936	406	84	9 166	401	180	6 963	283	214	4 422	174	181
100 to 499 lb	25 618	2 405	486	27 622	1 847	814	19 255	1 187	898	12 469	709	742
500 to 749 lb	9 164	1 204	240	9 151	927	421	6 738	495	375	4 560	334	350
750 to 999 lb	6 531	1 095	219	6 235	675	299	4 267	413	310	2 518	266	275
1,000 to 9,999 lb	79 518	24 962	5 048	78 455	16 622	7 416	47 323	9 372	7 069	28 780	5 068	5 305
10,000 to 49,999 lb	152 642	149 881	30 664	144 977	105 057	46 426	99 644	54 109	40 361	52 014	30 722	31 950
50,000 to 99,999 lb	16 684	69 091	13 437	14 597	21 639	8 938	10 685	5 614	4 334	7 241	2 692	2 990
100,000 lb or more	23 844	158 008	37 894	21 601	149 632	82 794	19 361	107 581	101 176	12 346	66 477	80 909
SCTG 01, Live animals and live fish	1 369	1 286	276	431	377	163	56	35	25	S	S	S
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	6	6	3	S	S	S	S	S	S
10,000 to 49,999 lb	856	806	168	303	303	130	29	29	21	S	S	S
50,000 to 99,999 lb	241	234	49	60	46	19	6	4	3	—	—	—
100,000 lb or more	85	S	20	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	4 593	36 973	8 781	5 343	46 087	23 984	4 308	36 350	36 520	3 515	29 003	36 186
Less than 50 lb	S	—	—	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	1	2	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	—	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40	108	21	51	75	33	S	S	S	S	S	S
10,000 to 49,999 lb	716	1 571	317	512	2 045	889	887	607	463	305	295	310
50,000 to 99,999 lb	1 340	12 677	2 500	700	6 135	2 286	S	S	S	S	S	S
100,000 lb or more	2 497	22 613	5 941	4 078	37 828	20 775	3 241	35 049	35 524	3 154	28 646	35 806
SCTG 03, Other agricultural products	4 741	10 316	1 954	1 935	4 882	3 106	3 492	12 371	12 660	2 378	8 688	11 139
Less than 50 lb	97	9	2	314	S	S	124	S	8	49	4	4
50 to 99 lb	24	2	—	8	1	—	—	S	S	S	S	S
100 to 499 lb	121	40	7	36	5	2	S	2	1	13	1	1
500 to 749 lb	42	23	4	S	S	S	S	S	S	S	1	1
750 to 999 lb	76	49	2	2	1	—	4	1	1	S	S	S
1,000 to 9,999 lb	854	902	168	189	169	66	57	57	42	61	36	39
10,000 to 49,999 lb	1 884	2 683	488	414	777	334	321	679	507	293	431	446
50,000 to 99,999 lb	870	3 457	557	38	155	57	9	25	19	5	23	23
100,000 lb or more	772	3 150	718	926	3 734	2 629	2 960	11 597	12 081	1 952	8 192	10 624
SCTG 04, Animal feed and products of animal origin, n.e.c.	4 630	11 982	2 494	4 997	12 381	6 442	3 217	9 063	7 689	1 373	2 657	2 912
Less than 50 lb	2	1	—	3	1	—	S	—	—	1	—	—
50 to 99 lb	S	S	S	4	1	—	S	—	—	S	—	—
100 to 499 lb	40	19	4	S	S	S	10	2	2	6	2	2
500 to 749 lb	S	S	S	S	S	S	3	1	1	S	2	2
750 to 999 lb	S	S	S	7	5	2	S	3	2	S	S	S
1,000 to 9,999 lb	561	596	121	424	347	154	99	100	75	62	32	33
10,000 to 49,999 lb	2 738	5 717	1 152	2 983	4 828	2 134	1 817	3 321	2 481	1 040	1 340	1 394
50,000 to 99,999 lb	751	3 595	727	486	2 371	1 064	186	835	637	32	121	130
100,000 lb or more	466	2 017	483	1 054	4 814	3 082	1 093	4 800	4 491	210	1 160	1 351
SCTG 05, Meat, fish, seafood, and their preparations	9 724	4 626	969	9 911	4 762	2 175	7 349	3 306	2 522	6 033	2 457	2 538
Less than 50 lb	31	4	1	S	1	S	3	—	—	S	S	S
50 to 99 lb	S	6	1	3	—	—	S	S	S	S	S	S
100 to 499 lb	159	52	10	30	7	3	8	2	1	9	2	2
500 to 749 lb	133	51	9	31	8	3	13	3	2	7	1	1
750 to 999 lb	157	55	10	21	6	2	26	4	3	11	2	2
1,000 to 9,999 lb	2 201	951	190	1 316	437	188	944	284	215	770	215	226
10,000 to 49,999 lb	6 850	3 403	725	8 118	4 056	1 860	6 219	2 903	2 202	5 116	2 169	2 234
50,000 to 99,999 lb	84	65	15	28	33	17	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	214	101	112	94	86	105	S	S
SCTG 06, Milled grain products and preparations, and bakery products	7 653	9 719	2 239	7 226	7 919	3 848	6 700	9 085	7 690	3 631	4 620	4 965
Less than 50 lb	S	3	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	13	5	1	2	1	—	S	—	—	S	—	—
100 to 499 lb	184	68	12	33	11	4	7	2	2	3	1	1
500 to 749 lb	103	61	11	23	10	4	6	3	2	3	1	1
750 to 999 lb	103	65	12	30	13	5	S	3	2	2	S	S
1,000 to 9,999 lb	1 475	866	169	996	459	198	554	240	177	272	123	129
10,000 to 49,999 lb	4 933	4 818	1 017	5 378	4 654	2 175	5 009	3 804	2 898	2 775	2 069	2 100
50,000 to 99,999 lb	332	1 444	310	87	314	129	70	94	68	S	S	S
100,000 lb or more	484	2 390	707	525	2 453	1 331	996	4 938	4 540	494	2 308	2 609

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	21 678	27 065	5 494	16 398	19 098	9 420	12 251	12 173	9 788	7 229	7 439	8 132
Less than 50 lb	77	11	2	39	3	1	43	S	S	63	4	4
50 to 99 lb	65	18	3	26	2	1	17	2	1	S	S	S
100 to 499 lb	460	192	35	165	37	15	107	9	7	65	12	12
500 to 749 lb	239	110	20	94	26	11	49	10	7	48	S	S
750 to 999 lb	166	78	14	119	22	9	60	17	13	40	S	S
1,000 to 9,999 lb	3 559	2 133	414	2 345	880	380	1 169	379	287	957	279	290
10,000 to 49,999 lb	15 100	18 521	3 714	11 414	10 726	4 683	8 732	6 118	4 519	4 687	3 253	3 349
50,000 to 99,999 lb	1 225	3 625	686	222	641	259	150	233	180	53	65	69
100,000 lb or more	786	2 376	606	1 974	6 760	4 061	1 922	5 401	4 770	1 305	3 800	4 379
SCTG 08, Alcoholic beverages	2 459	3 439	746	1 874	2 548	1 076	530	656	524	477	416	450
Less than 50 lb	7	1	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	14	3	1	2	—	—	S	S	S	—	—	—
100 to 499 lb	89	25	5	10	3	1	S	S	S	S	S	S
500 to 749 lb	35	11	2	3	2	1	S	S	S	S	S	S
750 to 999 lb	25	9	2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	161	85	16	52	12	5	34	13	10	7	3	3
10,000 to 49,999 lb	1 343	1 937	408	1 174	1 514	627	353	304	230	186	172	183
50,000 to 99,999 lb	427	1 073	218	371	516	200	S	S	S	—	—	—
100,000 lb or more	S	S	S	258	498	241	108	299	249	S	S	S
SCTG 09, Tobacco products	1 196	89	17	520	18	8	102	4	3	S	1	1
Less than 50 lb	87	2	—	6	—	—	4	—	—	4	—	—
50 to 99 lb	127	2	—	S	—	—	4	—	—	7	S	S
100 to 499 lb	470	19	4	64	3	1	40	1	1	S	—	—
500 to 749 lb	130	10	2	S	S	S	S	1	1	S	S	S
750 to 999 lb	83	8	1	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	294	39	8	361	10	4	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	—	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	415	80	47	114	46	64	91	68	39	46	47
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	9	8	4	S	S	S	5	3	3
10,000 to 49,999 lb	S	344	65	32	96	38	40	66	49	33	42	43
50,000 to 99,999 lb	S	S	S	S	8	3	5	12	9	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S	—	—	—
SCTG 11, Natural sands	134	7 687	1 743	46	1 252	522	42	904	783	16	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	—	—	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	—	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	21	S	S	S	4	2	S	S	S	—	2	2
10,000 to 49,999 lb	44	1 778	352	21	377	160	13	103	73	8	S	S
50,000 to 99,999 lb	28	2 838	574	12	567	208	S	S	S	1	8	8
100,000 lb or more	38	3 026	807	8	303	152	28	788	700	7	187	229
SCTG 12, Gravel and crushed stone	201	32 882	7 277	125	21 392	10 113	33	6 038	5 459	32	3 294	3 534
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	17	4	S	2	1	S	S	S	S	S	S
10,000 to 49,999 lb	55	4 249	803	15	764	351	4	215	152	S	S	S
50,000 to 99,999 lb	31	3 560	660	4	268	116	S	S	S	S	S	S
100,000 lb or more	109	25 055	5 810	105	20 358	9 645	29	5 817	5 303	16	S	S
SCTG 13, Nonmetallic minerals n.e.c.	453	7 836	1 694	281	6 310	3 070	137	1 915	1 462	52	668	771
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	—	1	—	—	S	S	S	S	—	—
500 to 749 lb	1	—	—	—	—	—	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	54	99	20	6	17	7	12	S	S	2	6	6
10,000 to 49,999 lb	232	2 472	483	185	1 455	645	63	320	226	29	170	180
50,000 to 99,999 lb	50	1 188	246	21	332	138	6	S	S	S	S	S
100,000 lb or more	107	S	S	66	4 504	2 280	52	1 428	1 108	17	482	572

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	137	S	S	684	17 799	14 485	636	16 308	14 024	153	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	S	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	3	—	—	4	—	—	S	—	—	S	—	—
500 to 749 lb	2	—	—	2	—	—	S	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	5	1	24	5	2	15	3	2	4	1	1
10,000 to 49,999 lb	69	107	24	59	84	34	37	71	52	S	23	22
50,000 to 99,999 lb	S	11	3	S	29	12	S	S	S	S	S	S
100,000 lb or more	S	S	S	585	17 679	14 436	573	16 200	13 944	S	S	S
SCTG 15, Coal	726	28 712	6 799	216	8 980	4 263	156	6 381	5 729	92	4 000	4 679
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	33	762	147	15	S	S	7	14	11	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	539	25 273	6 052	173	8 290	4 019	149	6 366	5 719	92	4 000	4 678
SCTG 17, Gasoline and aviation turbine fuel	5 954	26 895	4 751	1 627	7 306	2 952	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	—	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	66	203	37	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	819	3 308	604	132	517	220	S	S	S	S	S	S
50,000 to 99,999 lb	1 716	6 639	1 198	174	705	300	—	—	—	S	S	S
100,000 lb or more	3 351	16 742	2 911	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	1 627	8 909	1 456	309	1 790	757	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	47	149	26	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	222	1 178	216	28	153	66	S	S	S	S	S	S
50,000 to 99,999 lb	581	3 048	571	S	S	S	S	S	S	—	—	—
100,000 lb or more	775	4 531	642	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	3 363	21 070	4 993	2 245	8 046	3 798	810	2 380	2 148	300	491	539
Less than 50 lb	10	1	—	10	1	1	7	1	1	S	S	S
50 to 99 lb	4	2	—	S	S	S	1	—	—	S	S	S
100 to 499 lb	42	13	2	24	6	3	21	S	S	5	2	2
500 to 749 lb	15	8	2	8	3	1	4	1	1	S	S	S
750 to 999 lb	13	6	1	S	S	S	6	2	1	2	1	1
1,000 to 9,999 lb	S	601	124	276	186	92	70	44	30	47	20	20
10,000 to 49,999 lb	1 218	5 235	978	796	1 576	624	314	S	S	60	76	78
50,000 to 99,999 lb	371	2 943	541	84	416	176	S	S	S	S	S	S
100,000 lb or more	1 032	12 262	3 345	1 012	5 839	2 894	369	1 351	1 407	150	373	419
SCTG 20, Basic chemicals	3 014	8 199	1 776	4 002	6 809	3 270	2 022	2 577	2 279	1 291	3 682	4 489
Less than 50 lb	115	3	1	159	4	2	128	2	1	83	2	2
50 to 99 lb	47	3	1	32	2	1	17	1	1	10	S	1
100 to 499 lb	119	26	5	165	17	8	88	8	6	69	S	S
500 to 749 lb	33	13	2	65	14	6	49	5	4	S	S	S
750 to 999 lb	65	9	2	S	11	5	11	1	1	8	1	1
1,000 to 9,999 lb	530	377	73	946	179	71	198	54	39	162	30	31
10,000 to 49,999 lb	1 496	4 317	812	1 644	1 777	782	1 108	808	615	646	567	562
50,000 to 99,999 lb	101	791	165	S	310	145	S	129	101	45	S	S
100,000 lb or more	509	2 660	716	671	4 496	2 252	343	1 569	1 511	239	2 898	3 690
SCTG 21, Pharmaceutical products	10 765	285	58	10 974	292	128	6 157	301	229	4 500	S	S
Less than 50 lb	3 236	36	7	2 509	24	11	1 638	13	10	1 128	8	9
50 to 99 lb	1 370	20	4	759	12	5	354	5	4	S	2	3
100 to 499 lb	2 571	60	12	2 416	38	17	966	15	11	839	11	12
500 to 749 lb	904	17	3	476	15	8	S	8	6	S	5	6
750 to 999 lb	S	13	3	S	8	3	140	8	7	S	2	2
1,000 to 9,999 lb	1 250	79	16	3 794	91	39	1 222	114	88	754	37	38
10,000 to 49,999 lb	S	60	13	457	69	32	1 281	138	104	282	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	1 174	6 398	S	S	S	S	206	967	755	54	227	245
Less than 50 lb	3	—	—	S	1	—	S	S	S	S	S	S
50 to 99 lb	S	—	S	S	—	S	S	S	S	S	S	S
100 to 499 lb	7	3	1	S	1	S	1	S	S	—	—	—
500 to 749 lb	2	S	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	—	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	71	60	11	14	11	5	10	7	5	S	S	S
10,000 to 49,999 lb	477	2 190	419	S	S	S	S	S	S	20	S	S
50,000 to 99,999 lb	215	1 216	240	77	418	172	6	30	21	S	S	S
100,000 lb or more	S	S	S	S	S	S	93	562	468	27	125	142
SCTG 23, Chemical products and preparations, n.e.c.	12 107	5 958	1 321	12 970	6 148	2 806	9 848	4 529	3 413	5 405	2 394	2 560
Less than 50 lb	624	31	6	425	20	9	238	11	8	118	6	6
50 to 99 lb	257	19	4	198	16	7	99	8	6	37	4	5
100 to 499 lb	804	110	22	574	82	36	343	50	37	175	22	23
500 to 749 lb	347	59	13	248	41	17	90	21	16	S	12	12
750 to 999 lb	144	41	8	161	36	16	90	13	13	S	13	13
1,000 to 9,999 lb	2 667	894	197	2 691	741	316	1 568	416	306	621	199	199
10,000 to 49,999 lb	6 997	4 259	946	8 414	4 633	2 086	7 154	3 629	2 740	3 868	1 646	1 755
50,000 to 99,999 lb	71	191	39	79	99	43	72	31	24	S	S	S
100,000 lb or more	196	356	88	180	479	275	S	S	S	237	354	388
SCTG 24, Plastics and rubber.....	15 450	5 410	1 168	18 340	7 161	3 236	11 916	4 504	3 493	5 954	1 881	1 966
Less than 50 lb	862	35	8	972	50	22	677	30	23	743	63	63
50 to 99 lb	423	43	9	417	33	14	302	26	19	183	11	11
100 to 499 lb	1 655	234	49	1 595	176	79	911	108	81	561	60	63
500 to 749 lb	557	107	22	680	94	41	377	52	40	373	37	39
750 to 999 lb	510	110	24	446	72	32	351	50	39	201	24	24
1,000 to 9,999 lb	6 101	1 848	375	6 042	1 901	833	3 353	927	691	1 543	444	462
10,000 to 49,999 lb	4 913	2 598	566	7 536	3 871	1 718	5 458	2 737	2 097	2 070	917	941
50,000 to 99,999 lb	88	104	22	58	49	20	66	43	35	S	S	S
100,000 lb or more	341	332	94	594	915	476	428	530	467	264	311	350
SCTG 25, Logs and other wood in the rough	93	405	80	131	S	S	29	57	43	4	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	15	7	1	S	3	1	S	S	S	S	S	S
10,000 to 49,999 lb	47	197	37	64	240	109	12	27	19	2	3	3
50,000 to 99,999 lb	15	135	25	28	S	S	S	S	S	S	S	S
100,000 lb or more	S	65	S	31	S	S	S	S	S	S	S	S
SCTG 26, Wood products ..	4 548	7 708	1 542	3 345	3 406	1 550	1 994	1 540	1 185	1 457	746	812
Less than 50 lb	60	5	1	51	4	2	35	2	2	23	2	2
50 to 99 lb	31	5	1	30	4	2	14	1	1	8	1	1
100 to 499 lb	176	35	7	137	18	8	68	10	7	44	7	8
500 to 749 lb	67	20	4	85	12	5	27	5	4	25	5	6
750 to 999 lb	59	19	3	60	10	4	31	7	6	7	1	1
1,000 to 9,999 lb	1 190	728	135	678	250	106	409	151	110	257	70	76
10,000 to 49,999 lb	2 488	4 322	876	2 146	2 640	1 192	1 285	956	705	1 056	553	594
50,000 to 99,999 lb	355	1 973	396	94	250	108	S	S	S	8	18	20
100,000 lb or more	121	600	119	63	217	123	55	258	242	29	88	105
SCTG 27, Pulp, newsprint, paper, and paperboard ...	4 092	6 032	1 373	5 945	6 359	3 050	3 930	4 405	3 475	2 195	3 141	3 379
Less than 50 lb	62	7	1	75	6	3	52	4	3	30	2	2
50 to 99 lb	26	6	1	41	5	2	26	S	S	S	S	S
100 to 499 lb	149	44	8	150	27	12	73	15	11	76	S	15
500 to 749 lb	95	36	7	73	12	5	31	7	5	S	6	6
750 to 999 lb	71	19	4	38	11	4	23	6	5	12	S	S
1,000 to 9,999 lb	666	499	101	744	321	141	286	136	106	420	168	175
10,000 to 49,999 lb	2 571	4 649	1 064	4 014	4 771	2 231	2 710	3 105	2 381	1 697	2 312	2 428
50,000 to 99,999 lb	55	159	47	115	375	211	83	171	163	69	134	164
100,000 lb or more	398	613	140	695	830	441	645	957	799	378	493	578
SCTG 28, Paper or paperboard articles	4 227	3 205	653	4 461	2 303	1 008	2 983	1 276	976	1 845	881	920
Less than 50 lb	193	10	2	183	9	4	220	11	8	158	7	7
50 to 99 lb	54	8	2	71	7	3	33	4	3	44	4	4
100 to 499 lb	205	50	10	147	26	12	89	16	12	97	16	16
500 to 749 lb	75	26	5	63	18	8	S	12	9	46	21	22
750 to 999 lb	55	18	4	37	13	6	45	14	10	20	5	6
1,000 to 9,999 lb	1 139	651	130	856	347	155	563	213	161	309	154	160
10,000 to 49,999 lb	2 491	2 379	486	3 091	1 816	789	1 923	996	765	1 162	631	664
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	13	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	8 602	2 468	500	10 919	2 610	1 187	9 374	2 268	1 681	6 143	1 106	1 138
Less than 50 lb	1 491	69	15	2 581	119	55	2 420	128	97	2 170	121	123
50 to 99 lb	415	37	8	685	39	17	480	35	27	509	21	22
100 to 499 lb	1 102	108	23	1 358	115	50	1 245	111	84	769	55	60
500 to 749 lb	205	37	7	421	S	S	259	26	20	107	14	15
750 to 999 lb	178	36	7	265	30	13	138	19	14	211	S	S
1,000 to 9,999 lb	2 005	878	173	2 593	808	391	2 295	792	583	1 178	411	430
10,000 to 49,999 lb	3 098	1 207	251	2 902	1 244	548	2 471	1 107	821	1 128	424	427
50,000 to 99,999 lb	S	S	5	41	S	13	S	S	S	S	S	S
100,000 lb or more	S	S	S	73	128	54	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	7 533	819	172	8 903	650	294	6 510	419	314	4 004	280	293
Less than 50 lb	1 429	42	9	2 269	73	34	2 585	76	60	1 804	66	69
50 to 99 lb	240	15	3	598	22	9	S	S	S	161	6	6
100 to 499 lb	804	59	12	843	52	22	821	42	31	451	23	24
500 to 749 lb	220	24	5	150	14	6	164	11	8	113	8	8
750 to 999 lb	158	17	3	195	18	8	87	6	4	50	3	3
1,000 to 9,999 lb	2 497	258	51	2 194	215	98	635	61	46	598	65	67
10,000 to 49,999 lb	2 093	S	S	2 636	244	111	1 642	192	142	805	104	111
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	5 382	22 146	4 549	5 437	14 476	6 529	2 383	3 148	2 414	1 130	1 975	2 144
Less than 50 lb	174	11	2	204	31	15	209	12	9	163	S	S
50 to 99 lb	35	5	1	83	9	4	61	5	4	31	4	4
100 to 499 lb	158	31	6	180	23	10	176	24	19	80	9	9
500 to 749 lb	69	22	4	60	12	5	43	S	S	14	3	3
750 to 999 lb	28	10	2	55	10	4	20	4	3	S	3	3
1,000 to 9,999 lb	612	384	78	965	396	182	396	175	134	149	58	59
10,000 to 49,999 lb	3 310	10 403	2 136	3 364	6 685	2 901	1 298	2 002	1 475	627	1 289	1 395
50,000 to 99,999 lb	645	6 315	1 160	145	1 412	557	S	S	S	6	S	S
100,000 lb or more	351	4 964	1 160	380	5 900	2 851	64	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	29 602	42 694	9 542	24 159	28 659	12 476	10 034	10 568	7 987	4 718	5 833	6 658
Less than 50 lb	151	8	2	127	5	2	189	5	3	122	3	3
50 to 99 lb	140	10	2	80	6	3	66	5	3	45	1	1
100 to 499 lb	535	111	22	609	66	27	326	36	27	175	21	21
500 to 749 lb	255	73	15	236	57	24	207	28	21	77	12	13
750 to 999 lb	301	65	13	237	43	19	108	23	18	71	18	18
1,000 to 9,999 lb	4 610	2 720	529	3 675	1 706	725	1 783	739	543	852	268	274
10,000 to 49,999 lb	17 304	24 607	5 249	16 358	20 405	8 789	5 478	5 733	4 171	1 959	1 831	1 880
50,000 to 99,999 lb	2 454	5 126	1 015	899	1 537	644	147	342	252	32	31	31
100,000 lb or more	3 852	9 973	2 694	1 937	4 833	2 243	1 730	3 657	2 949	1 386	3 648	4 416
SCTG 33, Articles of base metal	14 658	7 150	1 501	15 959	6 620	2 996	11 099	5 082	3 779	5 364	3 705	S
Less than 50 lb	1 479	46	10	1 974	58	27	1 121	46	35	716	26	27
50 to 99 lb	660	35	7	1 138	52	23	738	38	27	201	11	11
100 to 499 lb	1 769	211	42	1 659	165	71	2 071	153	114	664	58	60
500 to 749 lb	529	81	17	1 047	86	38	264	46	35	469	26	26
750 to 999 lb	467	72	14	442	62	28	339	38	27	150	21	22
1,000 to 9,999 lb	4 645	1 610	345	4 086	1 239	559	2 557	767	579	1 321	430	437
10,000 to 49,999 lb	4 946	4 766	994	5 304	4 532	2 055	3 761	3 505	2 579	1 607	S	S
50,000 to 99,999 lb	72	191	S	237	256	115	101	S	S	S	55	62
100,000 lb or more	S	S	S	72	170	79	147	307	254	S	S	S
SCTG 34, Machinery	29 394	4 831	1 010	30 775	4 355	1 964	22 448	2 994	2 267	13 651	1 763	1 872
Less than 50 lb	2 965	70	15	3 346	70	34	2 304	32	25	1 405	25	27
50 to 99 lb	735	27	6	794	25	12	702	20	15	372	10	10
100 to 499 lb	2 751	170	37	3 358	180	82	2 203	124	95	1 431	82	86
500 to 749 lb	847	63	13	1 189	84	36	795	45	34	427	30	32
750 to 999 lb	596	52	12	669	53	24	516	38	29	322	23	24
1,000 to 9,999 lb	5 905	795	173	7 298	950	419	5 525	661	500	3 850	422	440
10,000 to 49,999 lb	14 407	3 365	689	12 249	2 582	1 147	8 159	1 668	1 252	4 981	945	960
50,000 to 99,999 lb	846	126	25	837	128	55	1 024	208	168	S	S	S
100,000 lb or more	341	162	39	1 036	283	156	1 220	198	148	295	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	20 361	1 661	354	28 885	2 355	1 072	21 956	1 462	1 085	15 803	773	807
Less than 50 lb	4 057	60	13	5 550	61	28	6 011	66	52	4 144	55	58
50 to 99 lb	1 010	23	5	1 516	31	14	1 238	23	17	1 160	20	22
100 to 499 lb	3 230	117	26	5 130	159	74	4 511	125	96	3 242	83	88
500 to 749 lb	1 053	47	11	1 070	63	29	1 090	45	34	529	25	26
750 to 999 lb	695	35	8	781	39	19	836	27	21	213	18	19
1,000 to 9,999 lb	6 829	484	104	7 309	594	265	4 081	350	264	4 706	228	237
10,000 to 49,999 lb	3 406	843	178	7 494	1 389	634	4 133	815	593	1 729	330	341
50,000 to 99,999 lb	S	S	S	S	S	S	42	9	6	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	59 271	13 532	3 125	62 137	11 338	5 547	43 365	7 011	5 433	23 484	3 659	3 996
Less than 50 lb	1 821	79	17	1 726	69	30	1 238	53	42	882	43	44
50 to 99 lb	874	46	10	716	47	22	569	32	25	322	19	19
100 to 499 lb	3 449	210	44	3 669	182	81	1 103	72	55	831	55	58
500 to 749 lb	1 176	86	18	1 520	115	54	518	60	44	300	17	19
750 to 999 lb	1 294	112	23	737	67	30	222	29	21	S	17	17
1,000 to 9,999 lb	17 412	2 395	518	18 868	2 387	1 157	11 610	1 364	1 063	4 863	563	636
10,000 to 49,999 lb	26 219	7 279	1 608	24 817	6 033	2 779	17 959	3 326	2 487	9 312	1 506	1 634
50,000 to 99,999 lb	2 760	1 125	305	8 837	1 609	838	8 092	1 529	1 227	5 877	853	949
100,000 lb or more	S	S	S	S	S	S	2 054	547	469	898	S	S
SCTG 37, Transportation equipment, n.e.c.	2 360	375	91	3 430	409	188	3 977	341	295	2 593	109	113
Less than 50 lb	330	1	—	833	3	2	811	2	2	650	2	2
50 to 99 lb	198	1	—	181	2	1	187	1	1	103	1	1
100 to 499 lb	S	4	1	592	7	4	519	6	5	400	5	5
500 to 749 lb	75	2	—	S	3	1	259	S	S	101	2	2
750 to 999 lb	S	S	S	S	1	—	S	2	2	S	S	S
1,000 to 9,999 lb	519	47	10	701	71	34	620	49	37	615	35	36
10,000 to 49,999 lb	341	174	37	893	191	87	1 317	121	91	689	59	62
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	134	109	49	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	3 821	81	16	5 348	93	44	5 366	105	83	4 175	63	67
Less than 50 lb	2 132	15	3	2 824	18	9	2 487	17	13	2 272	12	13
50 to 99 lb	269	5	1	482	7	3	339	5	4	407	S	S
100 to 499 lb	773	18	4	1 060	20	10	876	15	11	767	10	10
500 to 749 lb	S	S	S	178	4	2	263	3	2	40	2	2
750 to 999 lb	151	S	S	53	1	1	168	3	2	52	2	2
1,000 to 9,999 lb	261	14	3	613	19	10	739	15	12	376	9	10
10,000 to 49,999 lb	97	16	2	S	S	S	494	47	38	S	18	18
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 614	930	214	3 943	993	451	4 757	1 025	764	2 590	596	628
Less than 50 lb	145	9	2	143	14	6	164	14	11	130	16	17
50 to 99 lb	57	7	1	140	16	8	68	8	6	88	S	S
100 to 499 lb	341	51	11	488	63	28	364	48	36	330	45	48
500 to 749 lb	190	26	6	212	39	18	155	22	17	116	18	20
750 to 999 lb	145	22	5	227	33	15	273	29	21	75	16	16
1,000 to 9,999 lb	1 465	280	58	1 670	341	157	1 742	334	253	1 142	250	264
10,000 to 49,999 lb	1 216	502	121	1 059	483	217	1 976	561	413	702	224	237
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products	18 675	4 203	886	19 971	3 918	1 699	17 855	2 725	2 078	10 731	1 670	1 724
Less than 50 lb	2 857	77	17	3 992	100	46	4 040	117	89	3 143	93	101
50 to 99 lb	693	37	8	970	46	21	908	37	28	446	24	25
100 to 499 lb	2 073	166	36	2 612	307	132	2 158	166	125	1 270	94	98
500 to 749 lb	S	70	15	877	70	32	1 301	55	42	522	53	55
750 to 999 lb	398	63	14	713	66	30	585	49	37	266	29	30
1,000 to 9,999 lb	4 513	893	195	5 203	869	373	4 171	736	561	2 478	411	422
10,000 to 49,999 lb	6 484	2 449	512	5 003	2 118	914	4 439	1 421	1 085	2 394	827	843
50,000 to 99,999 lb	299	331	64	401	176	80	82	76	59	S	24	24
100,000 lb or more	50	S	S	198	166	71	S	S	S	S	S	S
SCTG 41, Waste and scrap	3 167	12 248	2 762	2 034	7 849	3 643	592	2 816	2 257	164	621	669
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	109	30	6	19	9	4	S	S	8	S	S	S
10,000 to 49,999 lb	2 147	5 498	1 084	1 451	3 341	1 459	323	881	621	71	219	229
50,000 to 99,999 lb	176	1 796	359	53	S	S	28	83	72	40	106	115
100,000 lb or more	729	4 923	1 313	505	3 807	1 918	201	1 838	1 555	42	295	324
SCTG 43, Mixed freight	12 635	6 496	1 208	3 268	S	S	1 255	S	S	1 133	S	S
Less than 50 lb	232	18	4	S	S	S	S	S	S	S	S	S
50 to 99 lb	75	10	2	52	8	4	12	1	1	S	1	2
100 to 499 lb	577	137	26	160	22	9	63	6	4	22	4	4
500 to 749 lb	253	78	15	140	16	8	44	6	5	S	S	S
750 to 999 lb	171	64	12	72	15	6	S	S	S	S	S	S
1,000 to 9,999 lb	3 899	1 914	362	1 099	386	163	304	78	60	139	42	44
10,000 to 49,999 lb	7 325	4 140	763	1 563	580	254	659	245	176	694	186	191
50,000 to 99,999 lb	53	S	9	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles ¹			250 to 499 miles ¹			500 to 749 miles ¹			750 to 999 miles ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown.....	1 474	S	S	2 318	S	S	1 310	379	302	685	166	182
Less than 50 lb	193	5	1	217	4	2	202	4	3	125	4	4
50 to 99 lb	S	S	S	S	3	1	S	1	1	25	2	2
100 to 499 lb	81	12	2	319	17	8	57	S	5	60	4	4
500 to 749 lb	S	5	1	S	6	3	22	3	2	12	1	1
750 to 999 lb	41	14	3	43	4	2	15	3	2	S	S	S
1,000 to 9,999 lb	405	162	33	320	S	S	158	29	22	208	30	31
10,000 to 49,999 lb	361	396	78	582	305	142	S	231	166	215	100	106
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	3.5	6.8	7.4	4.0	3.8	3.9	4.4	11.6	12.8
Less than 50 lb	3.5	12.1	12.2	5.3	11.3	12.0	8.2	24.3	34.0
50 to 99 lb	9.4	11.5	12.5	10.0	10.6	10.7	25.7	25.2	24.7
100 to 499 lb	9.5	6.6	6.8	14.0	6.2	6.2	11.6	12.8	14.4
500 to 749 lb	11.2	15.6	13.3	36.1	43.1	44.5	25.3	19.1	18.3
750 to 999 lb	4.6	6.4	6.2	22.3	10.8	10.9	22.9	18.7	18.1
1,000 to 9,999 lb	9.7	9.3	9.3	6.1	4.8	4.7	9.9	6.6	6.7
10,000 to 49,999 lb	6.2	4.8	4.7	3.5	5.1	5.0	10.2	10.8	10.8
50,000 to 99,999 lb	29.1	13.5	14.0	22.3	9.7	9.7	S	49.4	S
100,000 lb or more	6.3	9.6	10.4	14.6	12.3	11.9	38.5	25.4	25.5
SCTG 01, Live animals and live fish	S	40.1	39.7	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	40.0	42.8	42.1	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	16.1	18.1	19.0	S	48.5	48.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	47.4	46.4	S	S	S	—	—	—
10,000 to 49,999 lb	43.9	32.6	33.9	S	49.0	48.4	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	17.8	18.3	19.2	—	—	—	—	—	—
SCTG 03, Other agricultural products	24.3	29.6	31.1	S	19.1	18.7	39.9	S	S
Less than 50 lb	35.8	47.2	45.8	31.6	38.1	39.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	27.8	28.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	31.1	40.0	38.0	S	48.6	49.4	S	S	S
10,000 to 49,999 lb	34.8	S	S	20.4	22.8	22.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	31.2	32.0	33.3	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.5	9.2	9.8	35.6	19.1	19.8	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	43.5	39.9	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	30.4	33.5	32.4	S	S	S	—	—	—
10,000 to 49,999 lb	12.8	10.0	11.5	17.4	21.1	20.9	S	S	S
50,000 to 99,999 lb	34.7	36.4	32.6	37.6	S	S	—	—	—
100,000 lb or more	13.1	14.0	14.1	S	36.9	36.7	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	14.7	14.7	14.8	10.2	10.0	10.7	29.9	32.1	31.4
Less than 50 lb	46.9	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.1	24.4	25.5	37.8	36.7	37.7	—	—	—
500 to 749 lb	42.4	23.7	22.4	S	40.2	40.8	—	—	—
750 to 999 lb	S	44.9	42.8	25.5	28.7	30.2	—	—	—
1,000 to 9,999 lb	17.3	15.8	15.8	10.5	10.2	10.2	S	S	S
10,000 to 49,999 lb	15.4	16.3	16.4	10.6	10.4	11.2	S	S	S
50,000 to 99,999 lb	45.9	40.9	39.6	S	S	S	S	S	S
100,000 lb or more	24.9	25.4	24.8	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11.3	13.8	13.6	13.1	11.5	11.2	26.9	29.8	38.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.7	45.3	40.5	S	48.3	49.4	S	S	S
500 to 749 lb	34.4	38.1	38.0	S	49.2	S	S	S	S
750 to 999 lb	37.9	36.0	34.7	44.9	41.7	41.8	S	S	S
1,000 to 9,999 lb	25.2	23.8	22.1	27.0	25.2	25.5	S	S	S
10,000 to 49,999 lb	12.6	9.1	8.8	16.2	12.7	12.0	27.1	36.0	45.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	19.1	19.6	19.4	27.4	33.7	32.6	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	6.1	9.4	10.3	11.1	9.6	9.7	20.2	29.0	29.5
Less than 50 lb	S	S	S	S	S	S	S	S	44.6
50 to 99 lb	S	35.4	35.3	S	S	S	S	S	S
100 to 499 lb	26.2	21.3	20.9	21.6	18.3	19.0	S	S	S
500 to 749 lb	21.8	22.1	20.1	37.0	32.7	33.4	S	46.3	44.4
750 to 999 lb	29.7	23.2	23.3	47.8	29.7	29.6	46.2	39.9	37.9
1,000 to 9,999 lb	15.9	22.9	21.3	20.9	12.9	12.4	46.3	47.9	48.8
10,000 to 49,999 lb	8.0	8.0	7.9	17.1	10.8	10.5	37.0	47.0	47.3
50,000 to 99,999 lb	S	45.4	48.3	27.3	S	S	—	—	—
100,000 lb or more	10.9	14.2	14.7	21.5	18.8	18.8	S	S	S
SCTG 08, Alcoholic beverages	34.1	42.4	43.7	25.2	34.4	34.2	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	37.8	34.9	32.6	45.0	49.3	S	—	—	—
10,000 to 49,999 lb	32.7	37.3	37.1	37.9	39.5	39.6	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	48.1	48.5	48.9	S	S	S	—	—	—
SCTG 09, Tobacco products	37.3	32.7	32.1	S	S	S	S	S	S
Less than 50 lb	48.9	35.6	37.4	40.6	35.7	36.0	S	S	S
50 to 99 lb	48.7	S	S	47.2	48.5	48.1	S	S	S
100 to 499 lb	42.3	33.3	34.5	40.1	37.5	37.3	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	46.0	46.1	47.4	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	46.0	44.1	42.5	S	S	S	—	—	—
10,000 to 49,999 lb	S	43.5	44.8	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	43.2	41.2	37.3	32.9	34.4	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	46.9	S	S	42.4	40.3	39.6	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	43.4	41.4	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	18.3	13.2	13.2	45.0	33.9	33.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.1	15.7	15.1	S	36.7	36.3	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	20.6	16.6	16.4	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	40.3	46.4	46.2	42.2	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	41.7	S	49.7	S	47.9	47.7	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	40.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	39.7	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	46.6	45.9	45.8	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	41.6	35.1	30.8	19.4	S	S	S	S	S
Less than 50 lb	S	S	S	S	44.5	44.0	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	37.6	35.2	35.2	S	43.2	43.7	—	—	—
500 to 749 lb	49.8	S	S	46.7	48.0	47.7	—	—	—
750 to 999 lb	46.5	41.0	40.8	S	S	S	—	—	—
1,000 to 9,999 lb	41.6	S	S	31.5	40.1	40.7	S	S	S
10,000 to 49,999 lb	41.9	29.1	30.6	22.4	43.4	43.9	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	20.1	22.6	21.7	41.5	S	S	—	—	—
SCTG 20, Basic chemicals	13.5	34.6	34.8	9.4	15.2	14.6	25.0	32.2	33.5
Less than 50 lb	S	30.2	32.4	S	43.1	41.8	S	45.1	46.0
50 to 99 lb	S	S	49.2	S	42.3	43.6	S	S	S
100 to 499 lb	33.9	S	48.9	36.0	30.6	28.5	42.2	S	S
500 to 749 lb	S	41.2	41.4	S	S	S	S	S	S
750 to 999 lb	44.8	47.0	S	S	S	S	S	S	S
1,000 to 9,999 lb	29.1	35.0	37.4	45.2	22.3	22.1	45.7	S	S
10,000 to 49,999 lb	18.6	29.9	31.2	15.2	19.5	18.6	32.6	40.3	42.2
50,000 to 99,999 lb	44.6	S	S	43.8	S	S	—	—	—
100,000 lb or more	38.4	44.2	43.8	32.0	23.6	22.3	39.3	36.5	36.3
SCTG 21, Pharmaceutical products	12.4	14.6	14.5	19.2	21.2	21.1	37.7	23.9	24.9
Less than 50 lb	23.8	8.1	8.0	17.6	20.3	20.6	48.8	41.7	39.9
50 to 99 lb	39.7	22.1	22.0	32.8	26.8	26.2	S	48.2	S
100 to 499 lb	42.5	20.2	20.5	29.3	13.0	13.3	S	40.3	S
500 to 749 lb	S	33.9	33.6	33.2	30.5	30.7	S	S	S
750 to 999 lb	S	37.2	37.8	S	47.8	48.2	—	—	—
1,000 to 9,999 lb	25.4	23.5	22.4	46.3	29.8	28.5	S	S	S
10,000 to 49,999 lb	28.1	23.0	23.5	45.9	29.6	30.1	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	35.6	28.6	28.8	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	38.7	37.7	37.6	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	41.0	28.4	28.8	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	17.1	17.9	17.6	17.5	12.9	13.7	24.9	25.9	25.7
Less than 50 lb	22.0	17.2	17.8	31.0	24.8	24.6	29.6	16.6	16.5
50 to 99 lb	37.7	29.7	30.1	43.2	28.8	28.7	42.0	46.6	46.6
100 to 499 lb	21.0	26.4	27.3	29.2	25.8	25.8	47.5	28.6	29.0
500 to 749 lb	34.9	22.8	21.7	25.4	28.5	28.7	S	S	S
750 to 999 lb	35.6	28.9	30.1	48.9	14.7	15.4	48.5	45.3	48.3
1,000 to 9,999 lb	10.3	15.2	17.5	19.7	12.3	12.5	28.8	20.2	21.0
10,000 to 49,999 lb	23.8	21.2	20.9	19.7	13.3	14.1	27.2	26.2	26.5
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	42.9	39.4	40.5	S	S	S
SCTG 24, Plastics and rubber	11.2	16.1	17.0	5.8	7.0	7.0	17.1	23.5	24.2
Less than 50 lb	8.4	14.7	14.0	14.6	19.1	18.9	26.5	33.7	33.6
50 to 99 lb	16.1	8.5	9.0	18.6	19.4	19.6	40.2	39.9	39.8
100 to 499 lb	7.0	11.9	12.0	14.0	11.6	11.3	14.4	16.6	16.1
500 to 749 lb	22.4	12.8	13.5	16.8	26.8	26.8	S	S	S
750 to 999 lb	27.0	22.0	21.4	39.4	21.7	22.0	32.0	36.4	35.8
1,000 to 9,999 lb	6.7	6.5	6.3	9.7	9.9	9.8	26.8	20.9	20.7
10,000 to 49,999 lb	24.4	24.3	25.8	6.6	8.4	8.6	28.6	27.6	27.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	38.8	39.8	37.7	25.7	28.2	28.7	S	S	S
SCTG 25, Logs and other wood in the rough	46.4	S	S	45.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	12.9	36.8	36.9	10.8	7.2	7.4	22.6	26.2	26.0
Less than 50 lb	27.0	39.5	39.0	21.4	19.2	18.0	S	44.1	41.4
50 to 99 lb	S	S	S	22.7	27.0	27.4	S	S	S
100 to 499 lb	19.4	15.4	15.4	27.6	19.0	18.9	S	S	S
500 to 749 lb	28.2	25.3	24.9	39.5	28.7	28.7	S	S	S
750 to 999 lb	34.1	37.9	38.3	S	S	S	S	S	S
1,000 to 9,999 lb	13.3	13.7	13.9	26.3	20.0	19.9	S	45.5	45.1
10,000 to 49,999 lb	19.9	S	S	11.3	14.7	16.1	33.9	31.6	31.5
50,000 to 99,999 lb	S	45.0	47.6	38.9	36.2	35.4	—	—	—
100,000 lb or more	13.6	12.8	12.9	14.3	8.8	8.3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	13.8	13.8	14.2	14.5	19.2	17.8	31.8	33.4	32.4
Less than 50 lb	42.8	S	S	37.6	33.9	32.4	47.1	46.8	49.6
50 to 99 lb	46.4	S	S	49.4	47.2	47.0	S	S	S
100 to 499 lb	31.6	31.0	29.4	S	41.3	42.1	S	S	S
500 to 749 lb	29.5	28.7	29.2	S	S	S	S	S	S
750 to 999 lb	39.5	S	S	S	46.0	47.3	S	S	S
1,000 to 9,999 lb	35.3	27.3	29.4	30.1	25.3	24.6	43.1	46.6	46.6
10,000 to 49,999 lb	13.0	16.2	16.3	20.5	26.2	25.5	49.7	48.5	46.5
50,000 to 99,999 lb	24.0	16.4	17.0	40.0	33.9	34.9	S	S	S
100,000 lb or more	32.0	27.3	26.7	34.9	33.8	33.8	—	—	—
SCTG 28, Paper or paperboard articles	14.3	16.4	17.0	12.9	11.8	12.2	29.4	25.4	25.8
Less than 50 lb	36.1	24.5	24.6	39.2	35.9	36.2	S	27.7	31.4
50 to 99 lb	34.8	32.1	32.2	28.2	S	S	S	S	S
100 to 499 lb	44.3	24.7	23.8	34.3	21.9	22.6	S	S	S
500 to 749 lb	30.5	27.6	28.9	18.1	26.7	28.6	S	S	S
750 to 999 lb	30.6	S	S	27.7	27.5	27.6	S	S	S
1,000 to 9,999 lb	17.8	33.6	39.3	18.3	15.0	15.1	30.3	31.4	31.4
10,000 to 49,999 lb	21.3	23.2	23.1	13.5	14.4	14.9	41.8	35.5	36.0
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products .	19.8	41.6	40.4	24.1	16.1	16.6	26.4	33.6	43.4
Less than 50 lb	14.1	21.7	23.0	12.2	19.2	18.9	31.3	S	S
50 to 99 lb	25.8	19.7	19.6	S	47.2	48.8	40.8	39.4	46.8
100 to 499 lb	30.0	19.4	18.7	S	37.8	39.9	37.1	36.7	34.8
500 to 749 lb	26.9	18.7	20.3	28.1	27.5	27.0	S	S	S
750 to 999 lb	32.0	22.9	24.8	S	44.4	42.6	S	39.3	39.2
1,000 to 9,999 lb	22.5	S	S	10.8	12.3	12.3	29.8	31.8	33.9
10,000 to 49,999 lb	S	20.7	20.5	19.0	19.9	19.8	37.2	38.0	38.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	20.0	38.2	41.1	13.1	S	S	34.9	33.0	33.9
Less than 50 lb	12.1	26.2	24.7	16.1	22.3	23.4	29.2	S	S
50 to 99 lb	44.3	35.7	38.6	27.4	33.5	33.9	24.9	26.3	25.7
100 to 499 lb	21.3	26.6	25.8	12.3	12.1	11.8	16.0	20.0	22.4
500 to 749 lb	34.4	20.6	19.9	20.9	22.9	23.3	S	32.4	32.4
750 to 999 lb	40.0	33.2	31.6	27.7	34.9	34.8	S	S	S
1,000 to 9,999 lb	24.8	20.4	20.0	15.8	14.3	14.7	S	47.9	46.1
10,000 to 49,999 lb	S	S	S	24.3	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	12.2	S	S	25.1	25.4	24.4	20.6	28.1	30.6
Less than 50 lb	21.3	S	S	34.6	32.1	32.6	47.2	47.9	47.9
50 to 99 lb	47.8	40.5	40.8	43.4	S	50.0	49.3	S	S
100 to 499 lb	21.7	15.1	14.9	32.1	29.6	29.6	41.6	36.0	35.7
500 to 749 lb	S	30.7	30.5	S	S	S	49.7	45.7	46.6
750 to 999 lb	S	S	S	47.5	35.7	34.9	S	49.2	47.5
1,000 to 9,999 lb	17.3	16.2	16.3	39.7	23.9	23.7	36.2	25.4	S
10,000 to 49,999 lb	19.9	36.8	41.8	26.0	20.6	19.3	34.3	33.5	32.9
50,000 to 99,999 lb	S	S	S	S	35.2	35.9	S	S	S
100,000 lb or more	31.1	S	S	46.3	43.1	41.2	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	7.3	24.7	27.3	13.2	10.6	11.0	18.1	28.6	28.7
Less than 50 lb	41.7	40.8	41.0	S	21.5	21.6	S	S	S
50 to 99 lb	24.7	13.4	13.1	35.1	36.7	36.2	S	S	S
100 to 499 lb	19.5	26.9	26.9	24.9	19.8	18.8	S	43.7	44.4
500 to 749 lb	13.5	16.1	15.9	S	31.4	31.1	41.9	37.6	38.1
750 to 999 lb	42.0	27.4	28.8	S	48.8	49.0	44.1	47.2	47.3
1,000 to 9,999 lb	16.1	17.1	18.1	14.2	12.4	13.5	31.8	30.6	33.6
10,000 to 49,999 lb	13.1	13.9	13.9	18.0	16.6	16.7	20.3	24.8	25.8
50,000 to 99,999 lb	47.5	S	S	S	40.1	40.4	S	S	S
100,000 lb or more	30.3	49.8	S	36.4	23.7	23.2	S	S	S
SCTG 33, Articles of base metal	9.1	23.5	24.0	33.1	9.8	9.5	23.4	29.2	29.3
Less than 50 lb	11.5	20.8	20.0	S	S	S	24.3	19.2	19.3
50 to 99 lb	18.7	13.9	13.3	14.8	14.9	15.0	S	S	S
100 to 499 lb	20.6	24.0	24.2	S	42.3	40.5	35.0	26.6	25.6
500 to 749 lb	23.5	16.2	16.4	24.2	17.6	17.8	S	S	S
750 to 999 lb	18.3	31.1	28.2	45.7	39.2	39.5	S	S	S
1,000 to 9,999 lb	20.5	38.6	37.9	13.4	16.8	16.6	41.0	20.9	20.8
10,000 to 49,999 lb	15.8	43.6	45.3	14.2	15.6	14.9	24.2	34.1	31.7
50,000 to 99,999 lb	S	45.8	47.4	S	S	S	S	S	S
100,000 lb or more	31.4	40.6	40.8	39.4	46.4	45.8	S	S	S
SCTG 34, Machinery	12.3	17.5	15.9	14.6	21.3	22.8	30.4	S	S
Less than 50 lb	13.1	11.2	11.6	19.8	28.0	28.3	25.5	29.0	32.7
50 to 99 lb	13.7	11.2	10.7	16.1	17.0	15.2	49.1	S	S
100 to 499 lb	9.6	9.5	10.0	9.2	9.5	9.4	39.1	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	20.4	14.5	15.7	33.3	28.9	28.1	S	S	S
1,000 to 9,999 lb	9.1	7.0	7.0	11.1	16.7	16.1	40.0	47.0	45.2
10,000 to 49,999 lb	25.9	24.4	22.6	11.1	8.1	8.1	S	S	S
50,000 to 99,999 lb	24.5	32.4	33.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	47.1	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.1	10.7	10.9	8.7	14.3	13.6	10.8	28.0	23.7
Less than 50 lb	14.4	12.5	12.9	9.3	10.7	11.1	20.3	18.0	19.0
50 to 99 lb	23.2	24.1	25.3	11.0	18.3	18.7	34.3	43.5	S
100 to 499 lb	24.1	24.1	24.2	18.2	19.0	18.4	28.3	23.5	31.4
500 to 749 lb	26.8	28.3	27.6	26.3	27.3	26.6	37.0	47.3	49.3
750 to 999 lb	23.1	20.3	18.7	34.7	29.4	28.0	S	S	S
1,000 to 9,999 lb	16.9	10.3	10.3	23.8	25.6	24.6	24.4	20.3	24.5
10,000 to 49,999 lb	17.7	13.1	13.3	28.5	17.9	16.7	37.6	41.9	43.4
50,000 to 99,999 lb	S	S	S	40.2	40.9	41.1	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	8.3	8.5	9.6	12.3	12.4	12.0	16.6	31.7	31.4
Less than 50 lb	12.1	23.5	25.0	13.4	17.8	17.6	35.7	29.0	29.7
50 to 99 lb	39.3	24.4	26.3	S	39.9	38.2	S	S	S
100 to 499 lb	22.9	13.9	14.4	39.2	21.2	21.1	22.4	21.9	23.0
500 to 749 lb	26.2	23.4	24.4	35.9	35.0	37.6	33.8	47.8	48.4
750 to 999 lb	28.9	23.0	23.6	S	35.1	35.8	S	S	S
1,000 to 9,999 lb	16.8	17.0	18.2	16.6	14.0	14.4	20.9	19.2	19.7
10,000 to 49,999 lb	12.3	12.1	12.7	14.9	14.7	14.8	27.2	S	S
50,000 to 99,999 lb	36.6	24.0	24.2	28.5	28.2	26.9	—	—	—
100,000 lb or more	S	40.4	49.6	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	43.2	S	S	29.5	20.7	21.2	45.6	S	S
Less than 50 lb	15.4	30.7	32.2	37.2	22.1	20.9	S	S	S
50 to 99 lb	33.7	25.9	29.8	43.1	33.1	33.6	S	S	S
100 to 499 lb	S	38.5	39.6	S	22.6	22.2	S	39.5	40.8
500 to 749 lb	S	37.3	40.9	S	37.5	37.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	30.9	31.8	S	S	S
10,000 to 49,999 lb	47.5	S	S	27.8	33.7	33.8	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	8.7	14.8	15.0	9.9	10.0	9.9	27.5	34.9	33.5
Less than 50 lb	11.0	29.0	28.6	9.8	20.6	20.1	25.7	23.6	18.5
50 to 99 lb	19.0	31.5	30.5	26.7	31.6	32.5	42.2	39.7	45.5
100 to 499 lb	16.0	19.9	21.3	15.1	22.3	22.1	32.0	35.7	34.1
500 to 749 lb	27.5	47.9	47.1	32.9	27.0	26.9	S	S	S
750 to 999 lb	32.6	38.4	38.3	S	S	S	S	S	S
1,000 to 9,999 lb	24.6	28.7	26.8	36.7	28.0	28.5	S	S	S
10,000 to 49,999 lb	22.8	22.6	22.9	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.3	10.2	10.7	8.0	31.3	32.5	46.9	35.4	41.4
Less than 50 lb	23.8	40.7	39.7	32.3	34.7	33.8	43.3	S	S
50 to 99 lb	34.9	40.0	40.3	21.5	23.4	23.3	S	45.8	46.8
100 to 499 lb	17.0	22.2	23.0	14.9	23.0	22.5	S	S	S
500 to 749 lb	S	39.3	37.6	24.2	30.5	30.5	S	S	S
750 to 999 lb	21.1	22.1	20.3	22.2	20.0	19.5	S	S	S
1,000 to 9,999 lb	24.2	20.3	19.3	13.4	14.4	14.5	37.4	36.0	33.4
10,000 to 49,999 lb	25.7	23.8	25.1	16.0	27.7	29.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	5.4	9.5	11.2	7.3	39.5	39.2	12.2	23.2	21.9
Less than 50 lb	10.2	17.5	17.9	9.6	7.9	7.6	16.4	17.3	21.1
50 to 99 lb	9.9	13.7	14.0	25.8	26.8	25.4	41.2	30.6	27.4
100 to 499 lb	10.1	9.6	9.5	6.5	14.1	14.4	20.6	33.8	34.0
500 to 749 lb	16.0	7.3	7.4	37.0	29.1	30.9	33.0	16.2	16.8
750 to 999 lb	17.9	25.8	25.1	23.2	20.4	19.9	S	S	S
1,000 to 9,999 lb	8.0	5.8	6.0	21.8	15.3	15.8	25.1	27.1	28.5
10,000 to 49,999 lb	14.4	8.6	9.1	14.6	13.3	13.5	31.7	22.6	33.1
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	49.5	48.6	48.1	S	S	S	S	S	S
SCTG 41, Waste and scrap .	31.4	23.9	23.7	28.6	25.4	25.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	40.6	35.4	34.7	37.3	39.0	37.6	S	S	S
50,000 to 99,999 lb	S	S	49.7	S	S	S	—	—	—
100,000 lb or more	S	28.1	28.4	40.0	38.6	37.3	—	—	—
SCTG 43, Mixed freight	22.5	S	S	29.0	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	49.1	49.9	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	49.9	42.4	42.5	—	—	—
10,000 to 49,999 lb	S	47.5	46.4	44.4	37.1	36.4	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text. Detail may not add to total because of rounding]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	21.1	S	S	29.8	36.6	34.8	44.7	S	S
Less than 50 lb	35.7	39.4	37.7	S	31.7	32.5	S	S	S
50 to 99 lb	46.2	40.2	38.4	S	S	S	S	S	S
100 to 499 lb	31.3	45.9	48.5	33.7	29.5	28.9	S	S	S
500 to 749 lb	S	S	S	46.4	30.0	30.0	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22.8	32.1	32.7	S	S	S	S	S	S
10,000 to 49,999 lb	33.3	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

Note: Data exclude shipments of SCTG 16, Crude Petroleum. See the section "Industry Coverage" for additional information.

¹Based on Great Circle Distance.

Appendix A.

Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in

1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

Item	1993	1997
1. Industry coverage	Manufacturers (minor exceptions) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses Auxiliaries (e.g., warehouses)
2. Commodity classification system	Standard Transportation Commodity Classification (STCC), developed by the American Association of Railroads (AAR).	Standard Classification of Transported Goods (SCTG).
3. Sample size	Approximately 200,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1992 Standard Statistical Establishment List (SSEL).	Approximately 100,000 establishments were selected from a universe of about 800,000 in-scope establishments on the 1995 Standard Statistical Establishment List (SSEL).
4. Survey methodology	Respondents took a sample of their individual outbound shipments for a 2-week period during each of the four calendar quarters of 1993. Respondents reported key characteristics for each sampled shipment.	Respondents took a sample of their individual outbound shipments for a 1-week period during each of the four calendar quarters of 1997. Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	<p>For each shipment:</p> <p>Total value</p> <p>Total weight</p> <p>Major commodity (STCC)</p> <p>All modes of transportation</p> <p>Multiple origins (respondents specifically requested to report all shipment origins for the sampled establishment and report the appropriate origin for each shipment; assumed to always be the mailing address if no other origins listed).</p> <p>Destination</p> <p>Containerized (Y/N)</p> <p>Hazardous material (Y/N)</p> <p>Export (Y/N)</p> <p>If export, mode of export, foreign country, and city of destination.</p>	<p>For each shipment:</p> <p>Total value</p> <p>Total weight</p> <p>Major commodity (SCTG)</p> <p>All modes of transportation</p> <p>Single origin (assumed to be the mailing address unless the respondent provided a different physical location address).</p> <p>Destination</p> <p>Containerized (Y/N)</p> <p>Hazardous material (UN/NA codes)</p> <p>Export (Y/N)</p> <p>If export, mode of export, foreign country, and city of destination.</p>

Appendix B. Reliability of the Estimates

An estimate based on a sample survey potentially contains two types of errors—sampling and nonsampling. Sampling error occurs because characteristics differ among sampling units and because only a subset of the entire population is measured in a sample survey. Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. The accuracy of a survey result may be affected by these two types of errors.

Sampling and nonsampling errors are often measured by the quantities, bias and variance. The bias of an estimator of an unknown population value is the difference, averaged over all possible samples of the same size and design, between the estimator and the unknown population value. Any systematic error, or inaccuracy that affects all samples of a specified design in a similar way, may bias the resulting estimates. Variance is the squared difference, averaged over all possible samples of the same size and design, between an estimator and its average value. Descriptions of sampling and nonsampling errors for the 1997 Commodity Flow Survey (CFS) are provided in the following sections.

SAMPLING ERROR

Because the estimates are based on a sample, exact agreement with the results that would be obtained from a complete enumeration of all the shipments made in 1997 from all establishments included on the CFS sampling frame is not expected. However, because probability sampling was used at each stage of selection, it is possible to estimate the sampling variability of the survey estimates. For CFS estimates, sampling variability arises from each of the three stages of sampling. (See Appendix C for a description of the sample design.)

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the

sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

An estimate of an unknown population value and its approximate standard error can be used to construct a confidence interval. A confidence interval is a range about a given estimator that has a specified probability, or confidence, of containing the unknown population value. If, for each possible sample, an estimate of an unknown population value and the estimate's approximate standard error were obtained, then:

1. For approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the unknown population value.
2. For approximately 95 percent of the possible samples, the interval from two standard errors below to two standard errors above the estimate would include the unknown population value.

NONSAMPLING ERROR

Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate and may also occur in censuses. It is often helpful to think of nonsampling error as arising from deficiencies or mistakes in the survey process. In the CFS, nonsampling error can be attributed to many sources: (1) nonresponse, (2) response errors, (3) differences in the interpretation of the questions, (4) mistakes in coding or keying the data obtained, and (5) other errors of collection, response, coverage, and processing. Although no direct measurement of the potential biases because of nonsampling error has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize its influence.

A potentially large source of bias in the estimates is due to nonresponse. Nonresponse is defined as the inability to obtain all the intended measurements or responses from all the selected establishments. Four levels of nonresponse can occur in the CFS: item, shipment, quarter (reporting week), and establishment. Item nonresponse

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been

returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

Some possible sources of bias that are attributed to respondent-conducted sampling include misunderstanding the definition of a shipment, constructing an incomplete frame of shipments from which to sample, ordering the shipment sampling frame by selected shipment characteristics, and selecting shipment records by a method other than the one specified in the questionnaire's instructions. We often contacted respondents who reported shipments having atypically large value or weight when compared to the rest of their reported shipments. Upon contact, if we are able to collect information on all of a given respondent's large shipments made either for a particular reporting week or for the entire quarter, then we identify these large shipments as certainty shipments. (See Appendix C for a description of how certainty shipments are used in the estimation process.)

Table B-1a. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.2	—	3.0	—	3.3	—	5.5
Single modes	1.1	.4	3.2	.5	3.0	.8	2.5
Truck	1.3	.4	4.8	1.3	1.7	1.5	2.6
For-hire truck	2.1	.6	8.9	2.0	2.0	1.4	4.2
Private truck	1.4	.5	2.9	1.1	4.1	.3	2.7
Rail	5.4	.4	5.9	.9	7.3	1.6	7.0
Water	6.5	—	9.1	.4	7.0	.9	S
Shallow draft	6.9	—	10.7	.4	8.0	.9	S
Great Lakes	22.7	—	13.1	.1	11.5	.2	11.4
Deep draft	S	S	S	S	S	S	33.9
Air (includes truck and air)	6.4	.1	10.5	—	7.9	—	2.0
Pipeline	12.7	.1	14.4	.4	S	S	S
Multiple modes	3.4	.4	9.4	.3	12.6	.8	5.7
Parcel, U.S. Postal Service or courier	3.1	.3	3.6	—	6.4	—	5.7
Truck and rail	8.5	.2	18.8	.1	4.3	.1	3.8
Truck and water	30.8	—	26.6	—	32.4	.2	22.9
Rail and water	17.2	—	18.0	.2	20.9	.8	11.1
Other multiple modes	34.4	—	22.3	—	30.2	.1	S
Other and unknown modes	12.0	.5	14.2	.5	13.4	.3	15.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Region: 1997 and 1993

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	1.2	1.3	2.1	3.0	1.8	4.2	3.3	4.3	6.4	5.5	2.4	6.9
Single modes	1.1	1.4	2.1	3.2	1.8	4.5	3.0	4.8	6.8	2.5	5.9	6.3
Truck	1.3	1.3	2.1	4.8	2.2	6.6	1.7	3.9	5.1	2.6	5.0	5.6
For-hire truck	2.1	1.7	3.1	8.9	2.6	12.5	2.0	4.9	6.4	4.2	3.6	5.1
Private truck	1.4	2.1	2.9	2.9	2.9	4.7	4.1	3.0	5.7	2.7	1.8	3.1
Rail	5.4	6.3	12.3	5.9	4.3	8.4	7.3	7.6	12.9	7.0	3.9	8.2
Water	6.5	13.3	18.5	9.1	14.0	18.4	7.0	18.4	21.3	S	15.2	S
Shallow draft	6.9	15.9	21.6	10.7	17.0	21.6	8.0	20.9	24.3	S	17.4	S
Great Lakes	22.7	49.4	68.6	13.1	18.6	26.5	11.5	21.0	26.0	11.4	15.2	12.2
Deep draft	S	33.9	S	S	S	S	S	S	S	33.9	19.4	40.6
Air (includes truck and air)	6.4	12.9	14.0	10.5	36.2	41.8	7.9	28.9	33.8	2.0	3.2	3.8
Pipeline	12.7	12.0	22.6	14.4	12.3	20.5	S	S	S	S	S	S
Multiple modes	3.4	3.0	6.0	9.4	15.1	21.0	12.6	15.4	24.9	5.7	2.5	6.8
Parcel, U.S. Postal Service or courier	3.1	1.6	5.0	3.6	3.3	6.2	6.4	6.2	12.3	5.7	2.5	6.9
Truck and rail	8.5	16.4	19.4	18.8	11.6	39.8	4.3	9.7	17.4	3.8	3.6	5.7
Truck and water	30.8	43.4	13.3	26.6	48.2	21.5	32.4	46.7	23.6	22.9	24.9	49.0
Rail and water	17.2	32.2	53.0	18.0	37.6	67.8	20.9	36.6	75.8	11.1	28.0	64.7
Other multiple modes	34.4	S	S	22.3	31.1	54.7	30.2	33.4	41.0	S	26.5	S
Other and unknown modes ...	12.0	4.7	17.7	14.2	9.8	19.3	13.4	32.1	34.4	15.4	16.0	10.4

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-1c. **Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Region: Percent of Total 1997 and 1993**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	—	—	—	—	—	—
Single modes .....	.4	.4	.5	.3	.8	1.3
Truck .....	.4	.4	1.3	1.1	1.5	1.5
For-hire truck .....	.6	.4	2.0	.7	1.4	1.2
Private truck .....	.5	.6	1.1	.9	.3	.5
Rail .....	.4	.3	.9	.7	1.6	1.9
Water	—	—	.4	.6	.9	2.2
Shallow draft	—	—	.4	.6	.9	2.3
Great Lakes	—	—	.1	.2	.2	.4
Deep draft	S	—	S	S	S	S
Air (includes truck and air) .....	.1	.2	—	—	—	—
Pipeline .....	.1	.1	.4	.4	S	S
Multiple modes .....	.4	.3	.3	.4	.8	1.1
Parcel, U.S. Postal Service or courier .....	.3	.2	—	—	—	—
Truck and rail .....	.2	.4	.1	—	.1	.2
Truck and water	—	—	—	.4	.2	1.0
Rail and water	—	—	.2	.4	.8	1.0
Other multiple modes	—	S	—	—	.1	.2
Other and unknown modes .....	.5	.2	.5	.3	.3	.9

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-2. **Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Region: 1997**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	3.3	—	5.5
Truck	1.7	1.5	2.6
Rail	7.1	1.6	6.0
Shallow draft	7.5	.8	S
Great Lakes	11.1	.5	15.6
Deep draft	S	S	10.1
Air	8.0	—	2.1
Parcel, U.S. Postal Service or courier	6.4	—	5.7
Pipeline	S	S	S
Other and unknown modes	13.4	.3	15.5

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	1.2	—	3.0	—	3.3	—
Less than 50 miles	1.6	.4	5.4	1.3	4.8	.3
50 to 99 miles	3.3	.2	3.9	.3	3.6	.2
100 to 249 miles	2.1	.3	1.7	.4	2.2	.3
250 to 499 miles	2.7	.4	3.5	.4	4.8	.8
500 to 749 miles	1.2	.1	8.1	.5	9.0	1.2
750 to 999 miles	3.8	.2	7.5	.3	7.6	1.0
1,000 to 1,499 miles	3.5	.2	6.8	.2	7.4	1.2
1,500 to 1,999 miles	4.0	.2	3.8	—	3.9	.3
2,000 miles or more	4.4	—	11.6	—	12.8	.1
Single modes	1.1	—	3.2	—	3.0	—
Less than 50 miles	1.4	.4	5.7	1.3	5.1	.4
50 to 99 miles	3.6	.3	4.0	.3	3.7	.2
100 to 249 miles	1.9	.3	2.1	.4	2.6	.4
250 to 499 miles	2.9	.4	3.2	.4	3.7	.7
500 to 749 miles	1.1	.1	8.6	.5	9.6	1.4
750 to 999 miles	4.6	.2	7.2	.2	7.2	.9
1,000 to 1,499 miles	5.0	.3	7.5	.3	8.2	1.3
1,500 to 1,999 miles	3.0	.1	4.4	—	4.5	.3
2,000 miles or more	8.0	—	9.4	—	9.7	—
Truck	1.3	—	4.8	—	1.7	—
Less than 50 miles	1.6	.5	6.6	1.1	6.2	.6
50 to 99 miles	3.9	.3	5.1	.5	4.6	.3
100 to 249 miles	2.3	.3	1.9	.4	1.9	.5
250 to 499 miles	3.3	.5	3.5	.3	3.4	.7
500 to 749 miles	1.2	.1	1.9	.1	1.9	.3
750 to 999 miles	4.7	.2	9.9	.2	10.2	1.0
1,000 to 1,499 miles	4.2	.2	5.4	—	5.6	.6
1,500 to 1,999 miles	3.2	.1	5.3	—	5.4	.5
2,000 miles or more	7.1	—	7.3	—	7.4	—
For-hire truck	2.1	—	8.9	—	2.0	—
Less than 50 miles	4.0	.6	15.5	2.6	13.6	.7
50 to 99 miles	4.6	.3	9.2	1.0	8.2	.4
100 to 249 miles	3.4	.3	1.8	.8	1.6	.4
250 to 499 miles	3.9	.6	3.7	.7	3.8	.7
500 to 749 miles	1.7	.3	2.4	.4	2.4	.4
750 to 999 miles	4.1	.2	7.0	.3	7.5	.8
1,000 to 1,499 miles	4.6	.4	5.8	.2	6.0	.7
1,500 to 1,999 miles	3.4	.2	3.3	—	3.4	.5
2,000 miles or more	8.2	—	7.6	—	7.7	—
Private truck	1.4	—	2.9	—	4.1	—
Less than 50 miles	1.9	.7	3.3	.6	4.8	1.2
50 to 99 miles	3.8	.5	5.4	.5	5.2	.8
100 to 249 miles	3.0	.4	3.5	.3	3.5	1.0
250 to 499 miles	3.6	.2	6.1	—	6.0	.9
500 to 749 miles	5.7	.2	11.8	—	11.3	.9
750 to 999 miles	9.3	.1	36.1	.2	34.9	2.4
1,000 to 1,499 miles	8.5	—	8.1	—	8.8	.4
1,500 to 1,999 miles	10.4	—	33.1	—	33.1	1.1
2,000 miles or more	34.1	—	32.8	—	33.2	.1
Rail	5.4	—	5.9	—	7.3	—
Less than 50 miles	18.3	1.4	16.1	2.7	15.6	.2
50 to 99 miles	14.5	.5	10.5	1.1	10.9	.2
100 to 249 miles	17.8	2.3	9.3	1.2	10.3	.7
250 to 499 miles	7.8	1.5	8.3	1.7	7.9	1.4
500 to 749 miles	9.6	1.0	16.3	1.5	17.3	2.2
750 to 999 miles	15.4	1.3	15.1	1.1	14.5	1.6
1,000 to 1,499 miles	14.2	1.6	9.5	.8	10.0	1.7
1,500 to 1,999 miles	7.9	.6	8.8	.1	8.8	.4
2,000 miles or more	26.3	.2	30.2	—	30.2	.1
Water	6.5	—	9.1	—	7.0	—
Less than 50 miles	33.7	3.9	26.8	2.2	29.5	—
50 to 99 miles	18.9	.4	29.2	.9	24.0	.1
100 to 249 miles	19.5	.9	21.5	2.3	17.9	1.0
250 to 499 miles	21.3	2.0	14.1	2.8	14.2	1.6
500 to 749 miles	11.7	4.8	13.2	4.2	11.9	5.4
750 to 999 miles	16.2	3.1	19.3	2.1	19.9	3.8
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Shallow draft	6.9	—	10.7	—	8.0	—
Less than 50 miles	36.3	3.1	26.7	2.1	31.4	—
50 to 99 miles	38.0	.4	30.9	.9	25.2	.1
100 to 249 miles	27.6	1.4	32.2	3.0	25.3	1.0
250 to 499 miles	25.2	2.1	26.4	2.3	27.0	1.7
500 to 749 miles	12.5	5.5	11.7	4.4	11.4	5.3
750 to 999 miles	16.2	3.5	19.3	3.5	19.9	4.6
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	22.7	—	13.1	—	11.5	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	15.9	3.4	36.7	1.7	32.9	.4
100 to 249 miles	27.5	6.0	20.0	5.3	20.8	4.4
250 to 499 miles	45.1	6.8	23.4	6.5	22.6	8.4
500 to 749 miles	S	S	45.6	9.0	44.6	11.9
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	—	—	—	—	—	—
250 to 499 miles	—	—	—	—	—	—
500 to 749 miles	—	—	—	—	—	—
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	6.4	—	10.5	—	7.9	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	18.6	.8	23.4	1.2	29.9	.6
100 to 249 miles	10.6	1.0	28.3	4.1	21.6	1.2
250 to 499 miles	8.0	1.4	14.8	2.6	14.5	2.0
500 to 749 miles	13.3	2.1	11.6	1.6	10.9	1.8
750 to 999 miles	12.2	1.4	30.6	3.6	31.3	3.8
1,000 to 1,499 miles	16.0	2.2	11.4	1.2	13.4	1.7
1,500 to 1,999 miles	17.7	1.5	17.6	1.4	16.8	2.8
2,000 miles or more	14.0	.4	33.0	1.6	38.3	4.3
Pipeline	12.7	—	14.4	—	S	S
Less than 50 miles	10.6	5.7	12.4	6.0	S	S
50 to 99 miles	31.3	4.0	25.9	1.7	S	S
100 to 249 miles	27.1	4.2	26.9	4.6	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	—	—	—	—	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	3.4	—	9.4	—	12.6	—
Less than 50 miles	4.4	.7	16.4	1.0	32.2	.2
50 to 99 miles	4.5	.2	S	S	43.4	.6
100 to 249 miles	5.8	.6	16.4	3.0	16.5	1.7
250 to 499 miles	4.8	.5	13.4	3.0	16.7	3.0
500 to 749 miles	4.2	.3	22.8	3.8	22.3	3.7
750 to 999 miles	4.8	.3	37.3	2.9	39.5	4.2
1,000 to 1,499 miles	7.3	.7	8.5	.3	8.5	.7
1,500 to 1,999 miles	6.7	.6	6.1	.5	6.1	1.7
2,000 miles or more	9.3	.1	18.4	.3	21.1	1.1
Parcel, U.S. Postal Service or courier	3.1	—	3.6	—	6.4	—
Less than 50 miles	4.3	.7	7.6	1.2	5.9	—
50 to 99 miles	4.4	.2	4.1	.3	4.5	—
100 to 249 miles	4.8	.6	3.7	.8	4.0	.4
250 to 499 miles	4.2	.4	4.5	.4	4.8	.5
500 to 749 miles	5.5	.5	6.8	.6	6.8	.7
750 to 999 miles	4.0	.3	8.2	.8	8.0	.9
1,000 to 1,499 miles	7.5	.8	11.2	.9	11.3	1.5
1,500 to 1,999 miles	8.4	.5	11.9	.5	12.1	1.4
2,000 miles or more	9.5	.1	15.5	.1	21.8	.8
Truck and rail	8.5	—	18.8	—	4.3	—
Less than 50 miles	33.4	.6	S	S	S	S
50 to 99 miles	34.2	.5	S	S	S	S
100 to 249 miles	24.1	.7	43.6	1.5	43.7	1.0
250 to 499 miles	18.4	2.2	21.2	3.3	20.7	1.6
500 to 749 miles	13.1	1.9	6.4	1.8	6.4	.8
750 to 999 miles	11.0	1.2	5.6	1.7	5.4	1.0
1,000 to 1,499 miles	18.7	2.6	10.3	1.9	9.9	1.6
1,500 to 1,999 miles	10.5	2.7	6.8	2.1	6.8	1.7
2,000 miles or more	21.1	.6	22.3	.7	21.6	1.2
Truck and water	30.8	—	26.6	—	32.4	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	45.8	4.1	36.8	6.2	41.2	5.1
250 to 499 miles	S	S	35.4	12.9	32.8	11.8
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	21.0	11.2	S	S	S	S

See footnotes at end of table.

Table B–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Multiple modes—Con.						
Rail and water	17.2	—	18.0	—	20.9	—
Less than 50 miles	—	—	—	—	—	—
50 to 99 miles	—	—	—	—	—	—
100 to 249 miles	31.4	3.7	32.5	6.2	36.8	3.4
250 to 499 miles	23.3	8.4	22.1	8.2	23.0	7.8
500 to 749 miles	27.8	8.3	31.9	7.5	31.2	8.8
750 to 999 miles	47.6	4.6	S	S	49.6	6.0
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	34.4	—	22.3	—	30.2	—
Less than 50 miles	28.0	11.4	29.7	11.4	47.1	5.5
50 to 99 miles	31.1	2.7	46.0	2.3	S	S
100 to 249 miles	S	S	26.8	12.6	27.8	13.6
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	36.3	—	37.3	7.2
Other and unknown modes	12.0	—	14.2	—	13.4	—
Less than 50 miles	10.8	1.9	17.7	4.2	12.0	1.4
50 to 99 miles	8.2	.9	15.6	.7	15.4	.4
100 to 249 miles	10.1	1.1	40.9	2.2	29.7	3.0
250 to 499 miles	15.8	.7	17.5	1.6	19.6	2.0
500 to 749 miles	19.1	.7	17.9	.4	17.1	2.3
750 to 999 miles	17.7	.5	20.8	.6	21.5	1.8
1,000 to 1,499 miles	27.4	1.6	31.8	2.0	30.7	5.9
1,500 to 1,999 miles	30.5	.8	28.1	.4	28.0	2.0
2,000 miles or more	17.0	.1	26.3	.1	25.7	1.3

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.2	—	3.0	—	3.3	—	5.5
Less than 50 lb	2.6	.2	3.4	—	8.0	—	5.9
50 to 99 lb	3.9	.1	2.7	—	5.9	—	5.6
100 to 499 lb	2.8	.2	3.1	—	3.3	—	4.5
500 to 749 lb	3.0	—	2.0	—	11.5	—	10.7
750 to 999 lb	2.5	—	2.5	—	1.6	—	1.6
1,000 to 9,999 lb	2.5	.4	4.4	.3	2.5	.2	2.1
10,000 to 49,999 lb	1.6	.3	2.8	1.0	2.9	1.2	3.6
50,000 to 99,999 lb	7.3	.5	5.2	.8	3.2	.3	3.7
100,000 lb or more	4.6	.3	6.4	1.4	5.8	1.6	13.0
Single modes	1.1	—	3.2	—	3.0	—	2.5
Less than 50 lb	4.5	.1	5.6	—	6.6	—	6.2
50 to 99 lb	4.3	—	3.4	—	7.1	—	6.2
100 to 499 lb	2.2	.2	3.6	—	2.9	—	2.3
500 to 749 lb	3.2	—	2.1	—	13.0	—	11.6
750 to 999 lb	2.5	—	2.6	—	1.5	—	2.3
1,000 to 9,999 lb	2.3	.5	4.6	.4	2.3	.2	2.2
10,000 to 49,999 lb	1.6	.4	2.9	1.1	2.9	1.2	3.7
50,000 to 99,999 lb	7.6	.6	5.4	.9	3.3	.3	3.6
100,000 lb or more	4.7	.3	7.5	1.6	5.5	1.6	13.3
Truck	1.3	—	4.8	—	1.7	—	2.6
Less than 50 lb	5.3	.1	5.7	—	6.6	—	8.4
50 to 99 lb	5.0	—	3.5	—	7.7	—	6.8
100 to 499 lb	2.4	.2	3.7	—	3.0	—	2.6
500 to 749 lb	3.2	—	2.1	—	13.3	.1	11.8
750 to 999 lb	2.6	—	2.7	—	1.5	—	2.2
1,000 to 9,999 lb	2.2	.5	4.7	.5	2.7	.4	2.4
10,000 to 49,999 lb	1.4	.3	2.9	1.5	3.0	1.4	3.8
50,000 to 99,999 lb	7.7	.5	5.5	1.2	4.5	.6	4.1
100,000 lb or more	8.7	.1	27.6	2.3	13.3	.9	27.8
For-hire truck	2.1	—	8.9	—	2.0	—	4.2
Less than 50 lb	9.3	.1	13.3	—	9.1	—	10.0
50 to 99 lb	10.9	.1	11.0	—	11.5	—	5.6
100 to 499 lb	5.0	.3	5.4	—	3.6	—	2.9
500 to 749 lb	6.0	.2	6.0	—	16.7	.1	9.8
750 to 999 lb	3.8	—	2.5	—	1.8	—	2.7
1,000 to 9,999 lb	2.6	.5	5.9	.4	2.8	.4	3.3
10,000 to 49,999 lb	2.2	.4	3.7	2.1	3.3	1.6	3.1
50,000 to 99,999 lb	7.2	.4	5.9	1.5	4.4	.5	6.9
100,000 lb or more	12.3	.2	45.3	3.6	18.9	1.2	S
Private truck	1.4	—	2.9	—	4.1	—	2.7
Less than 50 lb	4.8	.3	7.4	—	7.6	—	7.5
50 to 99 lb	3.7	.1	5.3	—	4.0	—	2.3
100 to 499 lb	2.0	.2	4.8	—	3.0	—	2.5
500 to 749 lb	3.5	.1	4.2	—	3.5	—	4.1
750 to 999 lb	3.3	—	3.7	—	4.6	—	4.6
1,000 to 9,999 lb	2.1	.6	4.4	.8	4.0	.8	3.5
10,000 to 49,999 lb	2.2	.6	4.3	1.7	4.8	1.7	4.8
50,000 to 99,999 lb	9.9	.7	6.9	1.2	7.3	1.3	2.5
100,000 lb or more	12.8	.2	15.4	1.4	20.5	1.5	17.5
Rail	5.4	—	5.9	—	7.3	—	7.0
Less than 50 lb	S	S	S	S	S	S	39.0
50 to 99 lb	S	S	S	S	36.3	—	S
100 to 499 lb	36.1	—	44.6	—	26.4	—	S
500 to 749 lb	40.1	—	41.7	—	31.3	—	S
750 to 999 lb	43.3	—	43.0	—	33.0	—	26.4
1,000 to 9,999 lb	24.0	1.9	21.0	—	26.0	.1	11.8
10,000 to 49,999 lb	16.4	2.9	11.1	.2	10.8	.4	3.7
50,000 to 99,999 lb	14.4	2.2	10.5	.3	7.9	.3	7.4
100,000 lb or more	6.7	3.4	6.2	.4	7.8	.6	3.9
Water	6.5	—	9.1	—	7.0	—	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	30.7
750 to 999 lb	S	S	S	S	S	S	31.6
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	29.9
100,000 lb or more	6.7	1.4	9.3	.6	7.0	—	7.0
Shallow draft	6.9	—	10.7	—	8.0	—	S
Less than 50 lb	S	S	S	S	S	S	29.8
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	32.2
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	29.9
100,000 lb or more	7.3	1.6	10.9	.7	8.0	—	7.6

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	22.7	—	13.1	—	11.5	—	11.4
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	31.6
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	31.6
10,000 to 49,999 lb	S	S	S	S	S	S	31.6
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	22.7	—	13.1	—	11.5	—	11.0
Deep draft	S	S	S	S	S	S	33.9
Less than 50 lb	S	S	S	S	S	S	31.6
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	31.6
1,000 to 9,999 lb	S	S	S	S	S	S	31.6
10,000 to 49,999 lb	S	S	S	S	S	S	31.6
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	29.8
Air (includes truck and air)	6.4	—	10.5	—	7.9	—	2.0
Less than 50 lb	8.6	2.3	7.5	1.4	9.6	1.6	2.1
50 to 99 lb	8.6	.7	14.2	.8	14.1	.8	4.0
100 to 499 lb	6.6	1.5	7.1	1.6	10.2	1.8	5.6
500 to 749 lb	9.4	.5	15.4	.6	18.3	.8	8.5
750 to 999 lb	26.4	.5	28.2	.8	18.0	.4	12.4
1,000 to 9,999 lb	11.2	1.3	8.9	2.7	10.1	3.1	6.2
10,000 to 49,999 lb	38.1	3.4	25.6	5.5	29.8	6.2	25.1
50,000 to 99,999 lb	S	S	44.6	2.1	S	S	21.2
100,000 lb or more	48.5	—	S	S	42.3	.4	31.9
Pipeline	12.7	—	14.4	—	S	S	S
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	46.2	.3	S	S	S
50,000 to 99,999 lb	40.6	.7	44.0	.2	S	S	S
100,000 lb or more	12.7	1.3	14.5	.5	S	S	S
Multiple modes	3.4	—	9.4	—	12.6	—	5.7
Less than 50 lb	2.7	1.2	4.9	.5	9.2	.7	5.9
50 to 99 lb	5.6	.4	5.9	.3	8.6	.2	3.9
100 to 499 lb	7.6	.9	5.6	.3	8.9	.4	4.6
500 to 749 lb	12.2	.2	12.5	—	13.8	—	9.3
750 to 999 lb	16.5	.2	18.1	—	12.2	—	19.2
1,000 to 9,999 lb	14.8	1.0	10.4	.3	12.6	.6	11.5
10,000 to 49,999 lb	11.9	.9	7.0	1.2	6.2	2.5	1.5
50,000 to 99,999 lb	S	S	31.5	.6	34.5	.9	43.7
100,000 lb or more	22.1	.2	12.0	2.4	18.1	4.1	5.8
Parcel, U.S. Postal Service or courier	3.1	—	3.6	—	6.4	—	5.7
Less than 50 lb	2.7	1.2	4.9	1.4	9.2	2.4	5.9
50 to 99 lb	5.6	.5	5.9	.7	8.7	1.0	3.9
100 to 499 lb	7.7	1.1	5.6	1.1	9.3	1.6	4.8
500 to 749 lb	12.0	.2	10.5	.4	13.3	.4	9.9
750 to 999 lb	18.1	.2	21.5	.6	12.1	.3	21.6
1,000 to 9,999 lb	28.2	—	19.9	—	27.0	—	30.4
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	8.5	—	18.8	—	4.3	—	3.8
Less than 50 lb	S	S	19.5	—	23.3	—	5.3
50 to 99 lb	39.4	—	44.0	—	49.2	—	18.6
100 to 499 lb	49.6	.3	38.9	—	37.9	—	9.5
500 to 749 lb	46.8	—	S	S	S	S	15.2
750 to 999 lb	S	S	28.2	—	42.9	—	15.5
1,000 to 9,999 lb	16.2	5.1	14.2	2.3	13.5	1.7	4.6
10,000 to 49,999 lb	11.9	5.7	7.0	5.2	6.4	2.1	1.2
50,000 to 99,999 lb	S	S	27.1	1.8	28.5	1.0	16.2
100,000 lb or more	14.3	.6	48.9	7.4	13.4	2.6	14.4
Truck and water	30.8	—	26.6	—	32.4	—	22.9
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	30.3
100 to 499 lb	44.6	1.2	43.9	—	41.5	—	24.7
500 to 749 lb	44.1	.3	41.4	—	S	S	30.9
750 to 999 lb	36.2	1.3	36.9	—	44.0	—	24.8
1,000 to 9,999 lb	35.6	6.4	29.8	7.5	41.7	8.5	14.9
10,000 to 49,999 lb	40.7	8.7	S	S	46.4	2.4	34.0
50,000 to 99,999 lb	S	S	S	S	S	S	34.7
100,000 lb or more	43.3	12.2	27.5	10.4	36.3	10.9	36.4

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	17.2	—	18.0	—	20.9	—	11.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	31.6
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	31.6
10,000 to 49,999 lb	S	S	S	S	S	S	31.6
50,000 to 99,999 lb	S	S	S	S	S	S	31.6
100,000 lb or more	17.3	.8	18.1	.3	21.2	1.0	7.6
Other multiple modes	34.4	—	22.3	—	30.2	—	S
Less than 50 lb	37.6	—	37.7	—	S	S	31.8
50 to 99 lb	S	S	S	S	S	S	31.6
100 to 499 lb	42.5	.1	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	47.1	.1	S	S	S	S	26.1
1,000 to 9,999 lb	33.3	13.5	34.9	13.1	47.1	5.6	S
10,000 to 49,999 lb	31.0	5.0	39.4	2.1	40.8	8.6	S
50,000 to 99,999 lb	S	S	S	S	S	S	31.4
100,000 lb or more	S	S	24.1	14.3	30.8	14.8	23.7
Other and unknown modes	12.0	—	14.2	—	13.4	—	15.4
Less than 50 lb	5.5	1.1	7.3	—	18.0	—	20.9
50 to 99 lb	7.1	.3	10.1	—	26.6	—	22.8
100 to 499 lb	6.2	.9	7.3	.3	14.4	.1	16.6
500 to 749 lb	21.1	.4	11.0	.1	19.4	—	16.7
750 to 999 lb	19.8	.3	11.6	—	15.2	—	19.2
1,000 to 9,999 lb	13.2	1.9	10.9	1.9	6.7	2.1	12.4
10,000 to 49,999 lb	6.6	2.0	11.5	3.9	17.5	4.4	16.5
50,000 to 99,999 lb	S	S	20.1	1.8	23.9	2.7	13.8
100,000 lb or more	11.0	.9	20.3	7.1	24.5	6.4	32.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.2	—	3.0	—	3.3	—	5.5
01	Live animals and live fish	28.7	—	27.6	—	25.9	—	20.3
02	Cereal grains	5.0	.1	4.9	.7	8.5	1.5	18.0
03	Other agricultural products	9.2	.2	6.3	.2	7.7	.4	17.8
04	Animal feed and products of animal origin, n.e.c.	5.4	—	3.8	.1	3.7	.1	14.8
05	Meat, fish, seafood, and their preparations	7.3	.2	6.4	—	8.5	.2	23.0
06	Milled grain products and preparations, and bakery products	5.5	.1	6.2	.1	9.3	.3	33.3
07	Other prepared foodstuffs and fats and oils	2.3	.1	3.1	.2	3.9	.2	16.0
08	Alcoholic beverages	2.7	—	4.7	—	16.8	.1	5.8
09	Tobacco products	5.1	—	14.2	—	26.8	—	10.4
10	Monumental or building stone	26.0	—	24.8	—	25.8	—	S
11	Natural sands	21.4	—	24.3	1.0	13.8	.1	20.2
12	Gravel and crushed stone	5.4	—	5.3	1.0	11.7	.6	14.7
13	Nonmetallic minerals n.e.c.	29.3	—	22.0	.5	19.2	.2	23.0
14	Metallic ores and concentrates	11.3	—	15.1	.3	22.2	1.1	15.3
15	Coal	12.1	—	12.6	.7	13.9	.5	11.2
17	Gasoline and aviation turbine fuel	11.1	.3	9.4	.5	18.0	.3	12.2
18	Fuel oils	7.4	—	7.7	.2	26.4	.2	11.6
19	Coal and petroleum products, n.e.c.	10.0	—	14.1	.5	20.2	.3	18.5
20	Basic chemicals	5.3	—	13.7	.2	20.2	.4	20.3
21	Pharmaceutical products	11.3	.3	12.9	—	18.4	—	7.6
22	Fertilizers	21.4	.1	26.1	.4	44.8	.4	17.9
23	Chemical products and preparations, n.e.c.	6.1	.2	7.9	—	5.5	.2	9.0
24	Plastics and rubber	3.4	.1	2.4	—	2.4	.1	8.2
25	Logs and other wood in the rough	11.2	—	30.3	—	22.4	—	24.1
26	Wood products	6.1	—	11.2	.2	8.2	.1	15.5
27	Pulp, newsprint, paper, and paperboard	7.9	.1	28.0	.4	10.0	.2	12.5
28	Paper or paperboard articles	5.2	—	4.0	—	6.3	—	8.3
29	Printed products	5.8	.2	7.3	—	14.6	.1	12.0
30	Textiles, leather, and articles of textiles or leather	10.0	.2	9.9	—	18.3	—	4.9
31	Nonmetallic mineral products	1.6	—	33.3	2.2	13.9	.5	18.7
32	Base metal in primary or semifinished forms and in finished basic shapes	4.4	.2	10.5	.6	5.7	.4	12.0
33	Articles of base metal	4.5	.2	13.4	.2	20.7	.5	11.4
34	Machinery	3.6	.3	5.0	—	9.2	.2	6.1
35	Electronic and other electrical equipment and components and office equipment	4.1	.3	4.2	—	5.9	—	5.3
36	Motorized and other vehicles (including parts)	5.3	.7	6.2	.1	5.1	.2	11.4
37	Transportation equipment, n.e.c.	12.1	.1	15.0	—	22.7	—	4.5
38	Precision instruments and apparatus	5.2	—	6.5	—	7.1	—	7.3
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5.8	—	9.2	—	13.8	—	9.3
40	Miscellaneous manufactured products	4.5	.3	5.2	—	12.7	.1	4.3
41	Waste and scrap	9.8	—	9.5	.2	8.8	.1	26.2
43	Mixed freight	9.8	.2	15.4	.1	45.9	.3	17.3
—	Commodity unknown	13.7	—	35.3	.2	S	S	17.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.2	—	3.0	—	3.3	—	5.5
010	Live animals and live fish	28.7	—	27.6	—	25.9	—	20.3
021	Wheat	11.4	—	11.7	.3	18.9	.7	27.0
022	Corn, except sweet	5.4	—	5.1	.5	8.1	1.0	15.1
029	Other cereal grains	21.2	—	13.3	.1	25.1	.5	15.7
031	Fresh or chilled potatoes (Irish potatoes), except sweet	25.9	—	34.0	—	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	27.8	—	25.5	—	18.8	—	34.1
033	Fresh, chilled, or dried edible fruit and nuts	34.1	—	33.6	—	41.9	—	28.4
034	Soya beans	7.0	—	6.7	.2	8.5	.4	8.1
035	Oil seeds and nuts, except olives and soya beans	14.3	—	16.3	—	18.8	—	22.2
036	Bulbs, live plants, and seeds for sowing, n.e.c.	16.0	—	42.1	—	38.8	—	17.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	15.3	—	30.8	—	45.1	—	24.9
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	11.5	—	6.7	—	10.4	.2	13.0
042	Animal feed preparations	6.0	—	5.2	.1	9.1	.2	15.7
051	Meat including poultry, except preparations	7.5	.2	6.8	—	9.2	.2	21.6
052	Fish, except live, and seafood, except preparations	26.4	—	20.3	—	21.3	—	37.6
053	Preparations, extracts, and juices of meat, fish, or seafood	24.8	—	17.2	—	19.2	—	44.6
061	Wheat flour, groats, and meal	9.7	—	9.6	—	13.1	.1	11.6
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	10.5	—	15.6	—	19.3	.3	14.4
063	Food preparations of cereals, flour, starch, or milk	12.2	—	11.4	—	11.0	—	11.1
064	Bakery products	10.0	.1	12.2	—	15.6	—	44.5
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	4.9	—	7.2	—	5.6	—	19.7
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.2	—	10.1	—	11.3	—	8.2
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	20.4	—	23.9	—	29.8	—	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	4.3	—	4.2	—	5.6	.1	5.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	14.6	—	13.9	—	11.0	.2	9.5
076	Confectionery, cocoa, and cocoa preparations	9.6	—	18.4	—	11.4	—	20.6
077	Edible preparations, n.e.c. and vinegar	8.5	—	14.9	—	12.1	.1	12.0
078	Nonalcoholic beverages, n.e.c. and ice	8.3	—	10.3	—	11.9	—	6.7
081	Malt Beer	4.3	—	6.1	—	17.0	—	4.0
082	Wine and other fermented beverages	23.9	—	14.7	—	12.7	—	11.6
083	Spirituos beverages and ethyl alcohol	9.5	—	13.3	—	25.0	—	6.8
090	Tobacco products	5.1	—	14.2	—	26.8	—	10.4
100	Monumental or building stone, except dolomite	26.0	—	24.8	—	25.8	—	S
110	Natural sands, except metal-bearing	21.4	—	24.3	1.0	13.8	.1	20.2
120	Gravel and crushed stone, except dolomite and slate	5.4	—	5.3	1.0	11.7	.6	14.7
131	Salt	S	S	25.6	—	29.3	.1	21.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	39.9
133	Dolomite	32.6	—	33.3	.5	44.0	.2	47.0
139	Other nonmetallic minerals	15.3	—	13.1	—	8.8	—	19.1
141	Iron ores and concentrates	16.6	—	16.3	.3	22.4	1.1	21.1
149	Other metallic ores and concentrates	9.4	—	19.9	—	29.4	—	14.9
151	Nonagglomerated bituminous coal	13.4	—	14.4	.6	14.3	.5	11.7
159	Other coal	25.1	—	25.4	.3	34.1	—	20.0
171	Gasoline	11.8	.3	9.9	.5	17.8	.2	11.9
172	Aviation turbine fuel (types A and B)	25.8	—	26.3	.1	48.7	.1	28.6
180	Fuel oils	7.4	—	7.7	.2	26.4	.2	11.6
191	Lubricating oils and greases	13.5	—	14.1	—	13.9	—	25.3
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	26.0	—	48.0	.1	39.7	.1	16.2
193	Gaseous hydrocarbons	15.4	—	14.5	—	26.2	—	14.7
199	Other products of petroleum refining, and coal products	15.1	—	14.5	.4	24.2	.3	22.4
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	19.0	—	23.2	—	26.0	—	10.9
202	Inorganic chemicals, n.e.c.	8.0	—	18.3	.2	26.7	.5	22.5
203	Cyclic hydrocarbons	39.3	—	S	S	47.9	—	26.6
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	14.4	—	21.1	—	22.8	—	17.8
205	Organic chemicals, n.e.c.	11.7	—	15.9	—	19.5	—	14.8
210	Pharmaceutical products	11.3	.3	12.9	—	18.4	—	7.6
220	Fertilizers and fertilizer materials	21.4	.1	26.1	.4	44.8	.4	17.9
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	7.2	—	8.7	—	8.7	—	14.2
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	14.5	—	14.9	—	16.3	—	20.1
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	10.7	.1	14.1	—	8.1	.1	10.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	34.4	—	35.4	—	28.3	—	17.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	11.4	—	11.9	—	18.7	—	16.1
239	Other chemical products and preparations	8.1	—	10.2	—	12.0	—	15.6
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	10.3	—	10.8	—	13.1	—	9.8
242	Manmade fibers and plastics basic shapes and articles	4.4	.1	3.1	—	4.8	—	8.1

See footnotes at end of table.

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	9.6	—	13.3	—	17.2	—	7.8
250	Logs and other wood in the rough	11.2	—	30.3	—	22.4	—	24.1
261	Wood chips or particles	16.5	—	31.5	—	S	S	S
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	8.7	—	11.9	—	9.0	—	17.5
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8.6	—	10.5	—	7.0	—	27.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.3	—	14.6	—	8.0	—	12.7
269	Other wood products	10.5	—	12.4	—	28.7	—	12.0
271	Pulp of fibrous cellulosic materials	31.6	—	S	S	S	S	28.7
272	Newsprint in large rolls or sheets	27.0	—	23.0	—	38.1	—	26.4
273	Uncoated paper and paperboard in large rolls or sheets	5.6	—	11.6	—	12.7	.2	19.3
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	12.6	—	7.9	—	9.8	—	13.9
280	Paper or paperboard articles	5.2	—	4.0	—	6.3	—	8.3
291	Printed books, brochures, leaflets, and similar printed products	11.3	.2	19.8	—	33.3	.1	5.1
292	Newspapers, journals, and periodicals	7.1	—	9.5	—	16.5	—	31.5
293	Advertising material, commercial or trade catalogues, and similar printed products	7.5	—	12.4	—	14.5	—	8.5
299	Other printed products	7.1	—	9.8	—	14.7	—	6.8
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	17.7	—	37.9	—	41.0	—	10.8
302	Textile clothing and accessories, and headgear, except safety	15.5	.2	24.9	—	41.7	—	6.4
303	Textiles and textile articles, n.e.c.	15.6	—	10.6	—	12.7	—	6.4
304	Footwear	32.3	.1	S	S	S	S	6.0
305	Leather and articles, luggage of related materials, and dressed furskins and articles	9.6	—	16.8	—	22.8	—	4.4
311	Hydraulic cements	11.8	—	13.1	.1	21.4	.1	12.2
312	Ceramic products	11.2	—	35.2	—	19.6	—	13.5
313	Glass and glass products	4.7	—	6.8	—	9.4	—	15.4
319	Other nonmetallic mineral products	5.7	—	39.7	2.2	21.8	.4	30.0
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	14.4	—	16.1	—	33.8	.3	11.1
322	Flat-rolled products of iron or steel	8.1	.2	12.4	.5	8.1	.3	9.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	13.2	.1	15.0	.2	13.7	.1	21.2
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	5.5	—	8.0	—	14.0	.1	11.7
331	Pipes, tubes, and fittings	8.3	—	30.7	.2	38.7	.5	6.7
332	Structures and parts, except prefabricated buildings	8.9	—	9.6	—	7.4	—	7.2
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.4	.2	20.9	—	25.8	—	12.4
339	Other articles of metal	5.5	—	9.9	—	10.0	—	11.1
341	Internal-combustion piston engines	6.9	.1	11.0	—	15.0	—	10.4
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	8.5	—	25.0	—	25.9	—	17.2
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4.8	—	4.7	—	9.2	—	6.3
344	Air-conditioning, refrigerating, or freezing equipment	5.1	—	6.4	—	12.9	—	13.0
345	Materials-handling, excavating, boring, and related machinery and equipment	13.2	.1	12.0	—	13.9	—	11.5
349	Other machinery	4.6	.2	5.0	—	12.2	.1	9.5
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	6.4	—	7.9	—	15.3	—	12.3
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.4	—	22.1	—	21.2	—	8.5
353	Line telephone or telegraph apparatus	16.9	—	14.3	—	17.3	—	11.0
354	Electronic entertainment products, except parts	14.7	—	16.7	—	23.2	—	10.0
355	Computer and office equipment	13.7	.2	9.3	—	17.0	—	7.1
356	Prepared unrecorded or prerecorded media	8.1	—	16.5	—	18.0	—	5.0
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	33.7	.1	30.0	—	39.5	—	7.8
358	Electronic components and parts	7.7	—	14.9	—	14.0	—	8.8
359	Other electronic and electrical equipment	8.8	.3	5.8	—	8.4	—	10.6
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	11.4	.7	16.0	—	8.0	.1	11.2
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	16.8	—	11.3	—	19.7	—	21.3
363	Other vehicles	6.3	.1	6.4	—	6.5	—	8.2
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	7.8	.5	7.9	—	8.0	.1	13.4
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.1	—	15.0	—	19.6	—	5.0
372	Aircraft and spacecraft	18.1	.1	S	S	S	S	4.6
373	Ships, boats, and floating structures	11.5	—	46.8	—	43.8	—	7.8
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	21.8	—	30.4	—	18.4	—	13.4
382	Photographic and photocopying machines	7.3	—	23.1	—	35.3	—	17.3
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	18.3	—	34.5	—	44.8	—	15.3
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8.8	—	10.3	—	14.2	—	6.1

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11.9	—	16.1	—	14.9	—	9.1
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5.8	—	9.2	—	13.8	—	9.3
401	Arms and ammunition	42.0	—	20.8	—	14.3	—	7.5
402	Toys, games, and sporting equipment	9.1	—	17.6	—	13.2	—	4.9
409	Miscellaneous manufactured products	5.1	.3	6.1	—	14.5	.1	5.8
411	Metallic waste and scrap	11.3	—	9.9	.2	12.0	.1	10.0
412	Nonmetallic waste and scrap, except from food processing	12.5	—	24.6	.1	17.3	—	26.5
439	Mixed freight	9.8	.2	15.4	.1	45.9	.3	17.3
—	Commodity unknown	13.7	—	35.3	.2	S	S	17.2

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	1.2	—	3.0	—	3.3	—	5.5
Single modes	1.1	.4	3.2	.5	3.0	.8	2.5
Truck	1.3	.4	4.8	1.3	1.7	1.5	2.6
For-hire truck	2.1	.6	8.9	2.0	2.0	1.4	4.2
Private truck	1.4	.5	2.9	1.1	4.1	.3	2.7
Rail	5.4	.4	5.9	.9	7.3	1.6	7.0
Water	6.5	—	9.1	.4	7.0	.9	S
Shallow draft	6.9	—	10.7	.4	8.0	.9	S
Great Lakes	22.7	—	13.1	.1	11.5	.2	11.4
Deep draft	S	S	S	S	S	S	33.9
Air (includes truck and air)	6.4	.1	10.5	—	7.9	—	2.0
Pipeline	12.7	.1	14.4	.4	S	S	S
Multiple modes	3.4	.4	9.4	.3	12.6	.8	5.7
Parcel, U.S. Postal Service or courier	3.1	.3	3.6	—	6.4	—	5.7
Truck and rail	8.5	.2	18.8	.1	4.3	.1	3.8
Truck and water	30.8	—	26.6	—	32.4	.2	22.9
Rail and water	17.2	—	18.0	.2	20.9	.8	11.1
Other multiple modes	34.4	—	22.3	—	30.2	.1	S
Other and unknown modes	12.0	.5	14.2	.5	13.4	.3	15.4
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	28.7	—	27.6	—	25.9	—	20.3
Single modes	29.3	1.1	28.1	1.0	26.6	1.7	20.3
Truck	29.3	1.2	28.1	1.0	26.6	1.8	19.3
For-hire truck	30.5	7.0	27.3	5.3	26.3	4.6	8.5
Private truck	41.0	6.4	39.5	5.2	40.5	3.3	26.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	31.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	25.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	25.0
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	39.1
SCTG 02, CEREAL GRAINS							
Total	5.0	—	4.9	—	8.5	—	18.0
Single modes	5.2	.5	5.0	.5	8.9	1.0	18.4
Truck	6.5	2.5	6.1	2.8	11.2	.7	15.4
For-hire truck	7.4	1.9	8.8	2.2	13.6	.6	24.1
Private truck	11.5	1.8	11.4	2.1	15.5	.4	9.5
Rail	10.6	3.2	11.5	3.6	14.1	4.3	10.3
Water	11.2	1.5	10.6	1.5	10.8	4.3	3.0
Shallow draft	11.0	1.4	10.9	1.4	11.0	4.2	3.1
Great Lakes	32.8	.3	31.6	.3	S	S	26.1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	38.5	.5	S	S	S	S	19.5
Parcel, U.S. Postal Service or courier	45.9	—	40.3	—	37.3	—	21.4
Truck and rail	S	S	48.4	—	48.3	—	25.8
Truck and water	S	S	S	S	S	S	29.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	21.0	.4	27.5	.4	47.0	.9	27.8

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	9.2	—	6.3	—	7.7	—	17.8
Single modes	9.9	1.2	6.0	1.1	8.5	2.4	11.7
Truck	12.5	2.4	8.3	2.4	16.1	2.4	11.7
For-hire truck	7.3	1.4	7.9	1.4	17.3	1.7	45.0
Private truck	18.5	3.3	13.1	2.9	17.5	.9	7.2
Rail	7.2	.9	7.4	1.3	13.7	2.5	16.5
Water	9.0	1.1	7.9	1.2	9.0	1.8	3.9
Shallow draft	8.5	1.1	7.5	1.3	9.1	1.8	3.9
Great Lakes	S	S	S	S	2.3	—	31.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	41.7	.1	44.0	—	S	S	19.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.1	.8	39.1	.4	43.5	1.4	17.5
Parcel, U.S. Postal Service or courier	37.1	.8	40.8	—	40.6	—	17.5
Truck and rail	S	S	S	S	49.9	.2	42.1
Truck and water	43.3	.2	43.8	.3	S	S	28.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.1	1.0	36.5	1.0	49.9	1.6	S
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	5.4	—	3.8	—	3.7	—	14.8
Single modes	5.3	.3	3.6	.3	4.2	1.3	14.0
Truck	5.8	1.0	4.6	1.0	7.9	2.8	15.0
For-hire truck	11.3	3.2	8.3	2.3	10.0	2.6	9.7
Private truck	8.1	3.1	7.9	2.7	11.6	1.4	15.0
Rail	9.5	.9	8.5	1.2	8.3	2.7	5.9
Water	40.1	.6	32.8	.8	34.1	2.7	19.0
Shallow draft	40.1	.6	32.8	.8	34.1	2.7	19.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	44.2	—	S	S	S	S	20.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.8	.3	21.5	.2	20.8	1.4	8.8
Parcel, U.S. Postal Service or courier	29.0	—	34.5	—	41.4	—	14.5
Truck and rail	19.5	.3	19.9	.2	19.3	.8	6.8
Truck and water	S	S	S	S	S	S	31.6
Rail and water	43.9	—	49.1	.1	S	S	23.7
Other multiple modes	S	S	S	S	S	S	29.8
Other and unknown modes	15.7	.2	19.1	.2	38.0	.5	25.9
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	7.3	—	6.4	—	8.5	—	23.0
Single modes	7.5	.4	6.6	.4	8.7	.3	9.6
Truck	7.5	.7	6.7	.7	8.9	1.2	9.7
For-hire truck	8.4	1.0	8.1	1.4	9.1	1.5	3.4
Private truck	6.7	.7	5.1	1.1	11.6	1.0	10.1
Rail	29.5	.4	30.1	.5	31.2	1.2	6.7
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	27.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	37.1	—	24.5	—	35.9	.1	14.1
Parcel, U.S. Postal Service or courier	38.8	—	40.4	—	S	S	15.5
Truck and rail	S	S	37.1	—	36.8	—	21.1
Truck and water	S	S	S	S	S	S	32.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	23.6	.3	24.3	.4	26.2	.3	S

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	5.5	—	6.2	—	9.3	—	33.3
Single modes	4.9	.7	6.4	.8	9.8	1.1	15.6
Truck	5.2	.6	5.3	1.8	8.0	2.2	15.8
For-hire truck	8.2	2.8	6.1	2.1	8.9	2.4	6.6
Private truck	9.7	3.0	10.6	2.0	10.7	.7	16.4
Rail	6.6	.6	9.7	1.8	10.0	2.4	2.8
Water	S	S	S	S	S	S	27.9
Shallow draft	S	S	S	S	S	S	27.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	48.1	—	S	S	S	S	25.8
Pipeline	43.8	—	43.1	—	S	S	S
Multiple modes	31.1	.5	21.6	.3	17.4	.6	18.2
Parcel, U.S. Postal Service or courier	S	S	41.4	—	40.0	—	18.9
Truck and rail	21.1	.3	22.0	.3	16.3	.5	9.9
Truck and water	S	S	S	S	S	S	31.6
Rail and water	S	S	S	S	S	S	30.2
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	39.7	.4	44.7	.7	32.2	.6	37.7
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	2.3	—	3.1	—	3.9	—	16.0
Single modes	2.4	.4	2.9	.4	3.6	.7	8.7
Truck	2.6	.6	3.5	1.4	4.3	1.6	8.7
For-hire truck	4.2	1.3	5.0	1.2	4.4	1.2	6.2
Private truck	2.4	.9	4.1	1.6	6.5	.8	7.5
Rail	4.8	.3	8.2	1.3	6.5	1.9	4.6
Water	39.6	.1	38.3	.3	36.5	.6	21.7
Shallow draft	39.6	.1	38.3	.3	36.5	.6	21.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	37.5	—	41.7	—	46.9	—	12.2
Pipeline	48.6	.1	48.2	.2	S	S	S
Multiple modes	12.7	.2	19.3	.2	15.0	.6	9.8
Parcel, U.S. Postal Service or courier	30.6	.1	19.6	—	26.3	—	11.8
Truck and rail	13.5	.1	19.9	.2	15.2	.6	6.2
Truck and water	S	S	S	S	S	S	30.2
Rail and water	S	S	S	S	S	S	31.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.7	.4	19.8	.3	26.5	.4	41.4
SCTG 08, ALCOHOLIC BEVERAGES							
Total	2.7	—	4.7	—	16.8	—	5.8
Single modes	3.2	.8	4.9	1.3	17.2	1.7	5.0
Truck	3.8	2.3	4.4	2.6	12.5	6.9	5.1
For-hire truck	11.9	2.0	11.2	2.3	15.1	3.9	12.5
Private truck	4.7	3.0	6.2	4.0	16.2	4.8	5.0
Rail	26.6	1.9	24.5	2.1	31.1	6.3	16.8
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	26.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	36.1	.1	42.8	1.3	46.1
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	27.6
Truck and rail	S	S	37.0	.1	44.3	1.3	25.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	39.1	.9	S	S	S	S	36.7

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	5.1	—	14.2	—	26.8	—	10.4
Single modes	5.2	.4	14.3	.5	22.6	6.6	12.3
Truck	5.2	.4	14.3	.5	22.6	6.6	12.3
For-hire truck	23.5	4.0	26.1	2.5	33.6	6.9	37.6
Private truck	6.6	3.9	14.4	2.3	18.0	9.0	6.3
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.7	.3	S	S	S	S	17.8
Parcel, U.S. Postal Service or courier	28.8	.3	27.6	.1	29.2	1.5	13.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	29.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	46.7	.3	46.3	.4	S	S	29.8
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	26.0	—	24.8	—	25.8	—	S
Single modes	25.9	2.5	25.7	2.2	25.9	.7	S
Truck	25.9	2.5	25.9	2.5	24.7	3.2	S
For-hire truck	29.3	9.6	S	S	28.7	9.9	29.7
Private truck	36.2	9.8	31.7	10.7	S	S	S
Rail	S	S	S	S	S	S	28.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	29.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	29.3
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	46.7	.5	S
SCTG 11, NATURAL SANDS							
Total	21.4	—	24.3	—	13.8	—	20.2
Single modes	21.7	1.1	23.5	1.1	13.9	1.7	19.9
Truck	24.3	3.5	24.4	1.7	20.8	7.1	20.3
For-hire truck	22.6	4.5	20.9	5.4	22.0	6.4	17.2
Private truck	28.6	3.8	29.5	4.4	30.7	6.9	42.6
Rail	23.8	3.3	16.1	1.4	22.7	6.6	12.5
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	48.7	—	S	S	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	32.5
Truck and rail	S	S	S	S	S	S	29.9
Truck and water	—	—	—	—	—	—	—
Rail and water	S	S	S	S	S	S	31.6
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.3	1.1	S	S	S	S	24.4

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	5.4	—	5.3	—	11.7	—	14.7
Single modes	5.1	.7	5.2	.6	12.5	2.6	14.9
Truck	5.1	1.0	6.1	2.0	11.7	6.1	15.3
For-hire truck	9.4	3.0	9.2	2.9	11.5	3.7	9.6
Private truck	7.6	2.5	8.2	2.7	18.5	3.9	18.7
Rail	24.0	.6	31.3	.5	38.0	2.1	29.0
Water	21.0	.9	20.8	1.4	23.7	6.5	22.4
Shallow draft	22.5	.4	22.5	.5	28.6	4.1	25.9
Great Lakes	28.4	.7	25.9	1.0	27.1	3.9	18.7
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	28.6	.7	27.5	.5	27.7	2.4	21.4
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.9
Truck and rail	S	S	S	S	S	S	27.9
Truck and water	38.7	.2	37.5	.3	40.4	1.9	23.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	44.5	.3	45.1	.4	48.6	1.4	25.9
Other and unknown modes	39.6	.5	40.1	.6	39.6	.5	S
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	29.3	—	22.0	—	19.2	—	23.0
Single modes	29.0	1.1	22.5	1.4	18.3	2.9	12.9
Truck	32.6	3.2	23.5	3.2	13.6	6.5	12.2
For-hire truck	16.0	5.0	25.3	3.0	11.9	2.4	33.7
Private truck	49.4	6.0	23.5	4.5	21.9	4.3	11.0
Rail	20.3	1.8	45.1	1.3	29.3	5.0	11.4
Water	39.3	2.8	39.3	2.6	37.7	4.7	19.1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	39.3	2.8	39.3	2.6	37.7	4.7	19.1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	28.2
Pipeline	21.0	.1	21.1	—	S	S	S
Multiple modes	20.2	.4	S	S	S	S	20.2
Parcel, U.S. Postal Service or courier	28.6	.4	20.2	—	45.9	—	20.5
Truck and rail	35.7	—	43.8	.2	39.9	.6	33.3
Truck and water	S	S	S	S	S	S	29.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	48.8	1.1	27.7	.9	36.1	1.9	S
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	11.3	—	15.1	—	22.2	—	15.3
Single modes	15.5	6.1	25.6	8.3	37.6	9.9	25.5
Truck	13.1	5.4	22.0	1.5	S	S	26.7
For-hire truck	17.0	5.2	23.2	1.4	S	S	16.4
Private truck	27.9	1.9	30.9	—	29.3	—	29.5
Rail	27.9	5.3	32.7	9.3	42.3	10.1	18.5
Water	S	S	S	S	S	S	28.1
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	27.9
Deep draft	S	S	S	S	S	S	29.8
Air (includes truck and air)	S	S	S	S	S	S	28.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.3	5.9	22.7	8.3	24.4	9.9	14.6
Parcel, U.S. Postal Service or courier	39.3	1.1	43.3	—	41.5	—	19.4
Truck and rail	S	S	S	S	S	S	31.6
Truck and water	—	—	—	—	—	—	—
Rail and water	21.6	5.3	22.7	8.3	24.4	9.9	12.8
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	12.1	—	12.6	—	13.9	—	11.2
Single modes	13.1	4.3	13.2	3.8	20.1	6.1	13.2
Truck	22.8	4.4	24.6	3.2	24.9	2.0	14.6
For-hire truck	22.7	4.0	24.5	3.0	22.1	1.6	13.7
Private truck	S	S	S	S	S	S	23.1
Rail	11.5	3.8	10.9	4.4	15.5	6.1	17.0
Water	S	S	S	S	S	S	21.5
Shallow draft	S	S	S	S	S	S	21.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.0	3.2	20.7	3.3	19.0	6.1	43.5
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	31.6
Truck and rail	S	S	S	S	S	S	31.6
Truck and water	S	S	S	S	S	S	S
Rail and water	24.4	1.9	24.7	1.8	26.9	5.3	13.5
Other multiple modes	43.7	2.0	43.7	2.4	44.9	4.7	26.5
Other and unknown modes	25.7	4.9	24.4	5.8	47.5	1.5	27.3
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	11.1	—	9.4	—	18.0	—	12.2
Single modes	11.3	.4	9.5	.2	18.0	.1	11.5
Truck	15.9	3.7	13.0	4.2	14.5	9.7	9.7
For-hire truck	15.6	1.8	14.2	1.7	16.2	4.5	8.3
Private truck	17.6	3.8	14.1	3.8	14.5	5.4	11.0
Rail	S	S	S	S	S	S	24.1
Water	S	S	S	S	S	S	35.5
Shallow draft	S	S	S	S	S	S	35.9
Great Lakes	S	S	S	S	S	S	31.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	27.9
Pipeline	15.6	3.4	16.5	3.8	S	S	S
Multiple modes	32.2	.3	33.3	—	48.7	—	26.9
Parcel, U.S. Postal Service or courier	—	—	—	—	—	—	—
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	31.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	32.4	.3	33.7	—	48.8	—	28.7
Other and unknown modes	26.8	.2	27.1	.2	29.9	.1	S
SCTG 18, FUEL OILS							
Total	7.4	—	7.7	—	26.4	—	11.6
Single modes	7.7	1.0	7.7	.7	26.7	.6	12.1
Truck	8.7	3.0	8.8	3.4	14.8	8.4	10.3
For-hire truck	10.3	1.0	9.7	1.6	20.5	4.5	14.6
Private truck	8.8	2.4	9.2	2.3	11.4	4.3	10.6
Rail	S	S	S	S	S	S	23.2
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	31.6
Pipeline	16.3	3.2	17.1	3.7	S	S	S
Multiple modes	33.0	.6	36.2	.2	35.6	—	41.6
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	31.7
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	33.3	.6	36.4	.2	35.7	—	37.8
Other and unknown modes	49.6	1.1	44.4	.7	S	S	14.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	10.0	—	14.1	—	20.2	—	18.5
Single modes	10.2	.5	14.2	.4	20.6	1.0	12.3
Truck	8.4	3.9	13.7	5.7	15.8	5.7	13.4
For-hire truck	14.3	3.7	20.3	4.3	20.6	4.4	18.0
Private truck	10.0	3.0	12.0	4.0	11.3	2.9	7.0
Rail	24.4	3.5	26.7	5.9	27.3	6.2	30.6
Water	36.8	.6	44.4	.8	S	S	S
Shallow draft	44.8	.5	S	S	S	S	S
Great Lakes	S	S	S	S	S	S	29.2
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	37.6	—	33.4	—	24.2
Pipeline	44.3	2.7	38.2	2.2	S	S	S
Multiple modes	22.1	.4	34.9	—	35.7	.1	20.1
Parcel, U.S. Postal Service or courier	34.7	.3	23.8	—	39.6	—	17.8
Truck and rail	37.7	.1	36.4	—	47.3	.1	23.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	45.5	—	48.3	—	S	S	S
Other and unknown modes	29.5	.2	36.6	.4	S	S	48.7
SCTG 20, BASIC CHEMICALS							
Total	5.3	—	13.7	—	20.2	—	20.3
Single modes	5.5	.9	13.8	.3	20.9	1.2	27.0
Truck	5.9	2.2	16.7	6.5	17.9	7.5	25.3
For-hire truck	8.5	3.1	16.6	3.4	20.4	6.0	6.5
Private truck	8.7	2.1	21.5	4.3	14.5	1.8	20.4
Rail	13.8	1.4	31.0	6.6	37.5	8.3	11.2
Water	S	S	S	S	S	S	28.6
Shallow draft	S	S	S	S	S	S	28.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	23.2	.4	S	S	S	S	11.9
Pipeline	27.8	.1	46.0	1.1	S	S	S
Multiple modes	15.4	.9	21.1	.2	23.3	1.2	20.7
Parcel, U.S. Postal Service or courier	19.9	.8	47.2	.1	29.3	—	21.0
Truck and rail	24.2	.5	27.9	.2	24.0	1.2	12.5
Truck and water	S	S	S	S	S	S	30.7
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	18.6	.2	19.9	.2	30.1	.2	29.0
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	11.3	—	12.9	—	18.4	—	7.6
Single modes	14.3	3.2	14.2	1.6	20.7	1.7	11.3
Truck	15.5	3.2	14.6	1.9	22.0	2.9	12.0
For-hire truck	22.7	4.2	20.6	4.7	27.5	5.1	10.6
Private truck	8.5	2.5	19.4	4.6	32.2	5.8	13.6
Rail	S	S	S	S	S	S	26.0
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	16.7	.6	19.0	.2	18.5	.4	6.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	10.9	3.0	10.8	1.5	9.0	1.6	6.7
Parcel, U.S. Postal Service or courier	10.9	3.0	11.0	1.5	9.7	1.6	6.7
Truck and rail	S	S	S	S	36.8	.2	40.3
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	32.3	.5	34.5	.3	28.1	.3	22.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	21.4	—	26.1	—	44.8	—	17.9
Single modes	20.0	.9	24.5	1.2	41.9	1.7	17.8
Truck	13.9	3.6	18.3	3.7	32.1	6.1	15.8
For-hire truck	47.1	4.0	S	S	48.4	3.5	16.2
Private truck	11.3	7.2	10.9	7.7	9.7	4.4	10.9
Rail	S	S	S	S	S	S	8.5
Water	S	S	S	S	S	S	34.6
Shallow draft	S	S	S	S	S	S	34.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	31.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	S	S	S	S	S	S	15.2
Parcel, U.S. Postal Service or courier	S	S	33.6	—	43.3	—	15.2
Truck and rail	—	—	—	—	—	—	—
Truck and water	S	S	S	S	S	S	31.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	42.9	.8	47.5	1.1	S	S	25.4
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	6.1	—	7.9	—	5.5	—	9.0
Single modes	6.8	.8	7.9	.8	4.7	1.7	9.1
Truck	7.0	1.0	8.3	1.0	5.3	1.3	9.2
For-hire truck	7.2	1.8	9.2	1.8	4.4	2.0	10.4
Private truck	11.1	2.1	12.1	2.1	19.7	2.1	17.6
Rail	28.6	.8	11.5	.7	7.2	.9	12.7
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	10.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	5.1	.8	12.7	.5	17.4	1.8	6.6
Parcel, U.S. Postal Service or courier	13.1	.9	18.1	.2	14.1	.1	6.8
Truck and rail	25.2	1.0	17.8	.6	18.7	1.9	7.4
Truck and water	49.8	—	49.2	—	50.0	—	29.3
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	26.4	.5	37.3	.6	34.4	.6	44.5
SCTG 24, PLASTICS AND RUBBER							
Total	3.4	—	2.4	—	2.4	—	8.2
Single modes	4.1	1.0	2.8	.8	2.2	2.0	3.7
Truck	4.1	1.1	2.9	.9	2.3	2.1	4.2
For-hire truck	5.0	1.5	3.6	1.6	3.0	2.2	2.6
Private truck	6.5	1.2	6.1	1.1	10.7	.9	6.9
Rail	8.5	.2	7.3	.6	9.0	1.2	47.9
Water	S	S	S	S	S	S	31.6
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	31.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	6.9	—	10.3	—	16.1	—	8.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	7.7	.9	16.4	.7	21.8	1.7	5.8
Parcel, U.S. Postal Service or courier	7.6	.8	9.4	.2	13.6	.4	5.8
Truck and rail	33.4	.4	29.1	.6	28.4	1.6	7.3
Truck and water	S	S	S	S	S	S	30.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	8.5	.3	8.4	.2	27.9	.5	14.6

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	11.2	—	30.3	—	22.4	—	24.1
Single modes	10.9	1.7	30.6	.5	24.2	5.5	13.7
Truck	12.0	2.4	30.1	2.5	25.7	6.7	13.6
For-hire truck	17.4	4.5	35.9	6.7	29.2	7.7	26.6
Private truck	9.8	4.5	34.1	6.3	47.8	7.8	7.5
Rail	31.0	2.0	S	S	30.7	5.1	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	33.2
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	28.4
Truck and rail	S	S	S	S	S	S	26.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.9	.7	41.1	.3	42.4	.9	42.9
SCTG 26, WOOD PRODUCTS							
Total	6.1	—	11.2	—	8.2	—	15.5
Single modes	6.3	.4	11.1	.7	5.9	4.2	6.7
Truck	6.5	.6	11.8	1.5	7.8	3.6	6.9
For-hire truck	9.7	1.9	10.7	2.6	7.3	2.6	7.2
Private truck	6.2	2.3	13.4	2.2	10.4	1.5	7.9
Rail	14.1	.3	23.4	1.4	9.3	2.5	14.1
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	15.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.4	.4	29.3	.2	35.5	1.0	6.9
Parcel, U.S. Postal Service or courier	18.2	.3	34.7	—	S	S	7.7
Truck and rail	33.9	.3	39.1	.2	42.4	1.0	6.8
Truck and water	S	S	S	S	S	S	31.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.5	.3	32.7	.7	S	S	45.4
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	7.9	—	28.0	—	10.0	—	12.5
Single modes	8.0	.5	28.4	.4	10.5	.9	4.9
Truck	8.7	1.6	32.7	3.2	15.1	4.8	6.2
For-hire truck	11.1	2.3	36.6	4.4	15.7	5.0	8.5
Private truck	5.6	1.5	9.9	1.3	22.4	.7	4.3
Rail	9.5	1.3	9.1	2.4	10.4	4.3	4.2
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	28.0	—	S	S	S	S	10.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.0	.5	20.6	.3	23.8	.7	19.8
Parcel, U.S. Postal Service or courier	18.2	.5	20.0	—	32.5	—	19.7
Truck and rail	30.0	.3	28.2	.2	27.3	.7	16.8
Truck and water	S	S	S	S	S	S	31.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	36.5
Other and unknown modes	20.4	.4	21.3	.3	26.9	.7	33.0

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	5.2	—	4.0	—	6.3	—	8.3
Single modes	4.7	.9	4.3	.6	6.2	1.9	7.6
Truck	4.8	1.0	4.2	.6	6.4	2.0	8.3
For-hire truck	6.4	1.2	6.1	2.1	7.6	2.5	4.9
Private truck	4.1	1.4	7.1	2.0	8.6	.9	6.0
Rail	40.7	.1	36.6	.2	36.3	1.0	21.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	40.6	—	S	S	13.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.5	.7	21.6	.4	36.5	1.8	7.1
Parcel, U.S. Postal Service or courier	15.0	.7	6.5	—	10.7	.3	7.1
Truck and rail	32.0	.3	41.8	.4	49.2	1.9	8.9
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	25.9	.6	22.1	.4	29.1	.5	35.6
SCTG 29, PRINTED PRODUCTS							
Total	5.8	—	7.3	—	14.6	—	12.0
Single modes	9.1	2.7	8.2	1.2	17.1	1.9	16.1
Truck	8.8	2.7	8.2	1.2	17.2	2.0	16.6
For-hire truck	12.0	2.6	11.1	2.8	18.4	2.7	21.6
Private truck	5.7	1.4	10.5	2.4	18.4	1.1	9.1
Rail	S	S	40.7	—	44.5	.2	23.3
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	30.1	.5	21.2	—	26.2	.2	5.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	10.8	2.7	11.1	.8	15.6	1.8	11.1
Parcel, U.S. Postal Service or courier	11.3	2.8	13.3	.9	20.5	1.9	11.1
Truck and rail	44.2	.2	28.2	.2	26.7	.7	9.4
Truck and water	S	S	S	S	S	S	30.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	12.4	.7	22.1	1.0	15.0	.5	30.9
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	10.0	—	9.9	—	18.3	—	4.9
Single modes	16.8	3.9	12.3	2.3	24.5	4.6	13.5
Truck	16.7	3.8	12.3	2.3	24.6	4.6	12.6
For-hire truck	22.6	4.9	19.9	5.2	28.1	6.1	7.0
Private truck	14.1	2.1	21.8	4.9	S	S	26.9
Rail	S	S	S	S	S	S	26.3
Water	S	S	S	S	S	S	31.6
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	31.6
Air (includes truck and air)	35.7	.2	27.7	—	22.1	—	9.1
Pipeline	S	S	S	—	S	S	S
Multiple modes	7.5	3.6	5.3	1.7	7.4	4.2	3.9
Parcel, U.S. Postal Service or courier	7.6	3.7	5.4	1.7	8.4	4.3	3.9
Truck and rail	49.1	.3	42.2	.3	42.2	1.3	18.6
Truck and water	S	S	S	S	S	S	31.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	31.5	1.8	18.7	1.0	33.3	1.0	41.4

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	1.6	—	33.3	—	13.9	—	18.7
Single modes	2.0	1.3	34.1	1.1	11.4	4.2	17.1
Truck	2.1	1.4	35.3	2.2	11.3	5.6	17.0
For-hire truck	4.0	2.1	S	S	14.3	4.0	18.8
Private truck	4.2	1.3	8.6	7.6	10.0	2.1	17.8
Rail	18.0	.3	24.4	.9	31.7	2.8	17.2
Water	34.3	.4	36.1	.9	39.4	2.7	22.0
Shallow draft	48.9	.2	48.7	.6	S	S	26.5
Great Lakes	S	S	S	S	S	S	26.1
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	19.9	—	40.9	—	45.2	—	8.6
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.2	1.1	26.7	—	25.3	.7	11.7
Parcel, U.S. Postal Service or courier	23.7	1.1	25.7	—	28.2	.1	11.8
Truck and rail	32.8	.3	39.4	—	38.7	.7	7.1
Truck and water	S	S	S	S	S	S	28.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	30.8
Other and unknown modes	23.8	.5	42.7	1.1	S	S	41.9
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	4.4	—	10.5	—	5.7	—	12.0
Single modes	4.6	.6	11.2	1.2	7.1	2.4	6.0
Truck	5.0	1.1	13.3	2.3	9.2	4.6	6.1
For-hire truck	5.6	1.1	15.1	2.4	9.4	4.1	5.6
Private truck	6.2	1.2	8.8	1.2	11.3	.8	8.8
Rail	9.6	.8	10.5	1.6	16.4	3.6	5.7
Water	S	S	47.8	—	46.9	.2	S
Shallow draft	S	S	49.3	—	S	S	33.1
Great Lakes	S	S	S	S	S	S	31.6
Deep draft	S	S	S	S	S	S	31.6
Air (includes truck and air)	25.8	—	34.6	—	30.4	.1	3.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	21.1	.6	S	S	49.7	2.3	12.2
Parcel, U.S. Postal Service or courier	17.7	.2	17.8	—	12.0	—	12.4
Truck and rail	19.4	.1	21.8	—	16.8	.2	6.6
Truck and water	S	S	S	S	S	S	48.8
Rail and water	S	S	S	S	S	S	31.6
Other multiple modes	S	S	S	S	S	S	36.9
Other and unknown modes	19.7	.3	25.8	.6	23.3	.6	19.3
SCTG 33, ARTICLES OF BASE METAL							
Total	4.5	—	13.4	—	20.7	—	11.4
Single modes	5.3	3.2	14.8	1.5	23.4	3.4	5.0
Truck	5.1	3.1	15.2	1.7	26.5	3.9	5.2
For-hire truck	5.3	2.3	21.5	3.8	29.6	4.3	3.4
Private truck	6.5	1.4	9.8	3.0	9.5	1.4	6.6
Rail	26.0	.3	40.4	1.3	40.4	3.6	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	18.9	.1	33.6	—	23.2	.1	4.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	22.6	3.3	18.1	.6	22.4	1.3	9.5
Parcel, U.S. Postal Service or courier	23.0	3.3	23.4	.6	38.1	1.2	9.6
Truck and rail	18.1	—	35.0	.2	12.8	.3	21.1
Truck and water	S	S	S	S	S	S	25.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	34.9
Other and unknown modes	12.4	.4	16.8	1.0	33.7	2.2	25.3

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	3.6	—	5.0	—	9.2	—	6.1
Single modes	3.0	1.4	5.4	1.1	9.2	2.6	11.8
Truck	2.9	1.6	5.2	1.4	7.9	2.7	14.0
For-hire truck	3.2	1.4	6.1	2.0	7.8	2.2	7.2
Private truck	5.5	1.0	6.8	1.3	12.6	.9	12.4
Rail	29.7	.7	28.4	.8	30.5	1.3	S
Water	S	S	S	S	S	S	31.6
Shallow draft	—	—	—	—	—	—	—
Great Lakes	S	S	S	S	S	S	31.6
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	9.5	.2	14.3	—	13.3	—	3.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	11.8	1.3	18.6	1.0	22.1	2.5	5.3
Parcel, U.S. Postal Service or courier	8.1	.7	9.9	.2	10.7	.2	5.3
Truck and rail	40.2	.8	27.6	.8	26.8	2.1	10.2
Truck and water	S	S	S	S	S	S	22.5
Rail and water	S	S	S	S	S	S	31.6
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	11.5	.4	11.8	.4	22.5	.4	23.6
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	4.1	—	4.2	—	5.9	—	5.3
Single modes	4.4	1.8	4.3	.6	6.0	1.2	6.7
Truck	4.9	2.0	4.3	.5	6.4	1.0	8.7
For-hire truck	7.8	2.7	6.2	2.2	7.7	2.1	5.0
Private truck	8.8	1.4	7.5	1.9	14.5	1.6	7.1
Rail	31.9	.2	18.2	.2	17.7	.6	27.6
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	6.9	.4	7.0	—	6.6	.2	3.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	7.6	1.8	9.1	.7	12.0	1.3	4.8
Parcel, U.S. Postal Service or courier	8.1	1.8	10.6	.5	14.6	.8	4.9
Truck and rail	19.0	.2	19.2	.4	15.8	.9	6.4
Truck and water	49.3	—	S	S	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.9
Other and unknown modes	22.6	.7	15.5	.5	34.8	.5	28.9
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	5.3	—	6.2	—	5.1	—	11.4
Single modes	5.4	1.6	7.1	1.2	6.4	1.6	14.6
Truck	7.5	2.0	5.6	1.0	5.5	1.2	15.2
For-hire truck	9.7	2.6	6.7	.9	5.3	1.1	6.6
Private truck	6.5	1.0	6.4	.9	10.1	.3	16.6
Rail	9.8	1.9	15.1	1.9	10.1	2.5	5.5
Water	S	S	S	S	S	S	31.6
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	31.6
Air (includes truck and air)	23.7	.2	27.7	—	24.8	.1	5.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	11.3	1.7	8.8	.7	9.3	1.3	4.6
Parcel, U.S. Postal Service or courier	14.3	.6	12.3	.1	17.4	.2	4.8
Truck and rail	13.0	1.3	10.4	.6	10.3	1.3	3.8
Truck and water	S	S	S	S	S	S	30.3
Rail and water	S	S	S	S	S	S	29.8
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	26.3	1.9	19.2	1.1	30.5	1.6	38.1

See footnotes at end of table.

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment — coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	12.1	—	15.0	—	22.7	—	4.5
Single modes	13.4	3.2	15.4	.8	23.3	1.2	8.5
Truck	11.2	4.3	13.2	6.8	13.1	8.7	8.6
For-hire truck	17.5	4.5	14.5	4.6	18.9	6.3	6.8
Private truck	12.2	1.9	22.5	4.5	14.8	4.8	17.7
Rail	S	S	29.4	6.2	S	S	23.4
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	25.0	5.9	30.2	.3	31.8	.9	5.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	21.2	3.1	25.2	.3	30.6	.7	6.5
Parcel, U.S. Postal Service or courier	21.0	3.0	20.9	.2	20.0	.4	6.5
Truck and rail	S	S	S	S	S	S	30.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	34.0	.5	43.6	.5	48.7	.6	31.2
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	5.2	—	6.5	—	7.1	—	7.3
Single modes	6.2	1.5	7.5	2.5	7.6	2.8	6.1
Truck	7.4	1.8	7.7	2.6	8.5	3.1	20.2
For-hire truck	8.6	1.6	6.4	3.3	9.1	2.8	6.7
Private truck	13.1	1.2	31.2	3.9	28.4	1.1	23.0
Rail	S	S	S	S	S	S	S
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	15.2	1.6	11.5	.3	14.1	1.0	3.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	6.5	1.9	10.0	2.4	14.6	2.9	9.0
Parcel, U.S. Postal Service or courier	6.4	1.8	10.1	2.4	15.1	3.0	9.0
Truck and rail	S	S	S	S	S	S	35.4
Truck and water	S	S	S	S	S	S	29.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	19.4	.8	32.0	1.2	S	S	31.1
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	5.8	—	9.2	—	13.8	—	9.3
Single modes	6.0	.8	9.3	1.0	13.8	1.7	8.6
Truck	6.1	1.0	8.9	1.3	14.1	2.2	7.7
For-hire truck	6.8	1.9	8.7	2.6	15.3	3.4	5.0
Private truck	9.7	2.4	12.3	1.7	22.7	1.6	13.2
Rail	38.8	.3	S	S	40.3	.8	23.9
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	34.2	.2	S	S	S	S	14.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	9.4	.6	18.3	.4	28.9	1.4	8.5
Parcel, U.S. Postal Service or courier	13.3	.7	11.5	.3	15.8	.9	8.6
Truck and rail	30.4	.3	46.5	.3	S	S	12.0
Truck and water	S	S	S	S	S	S	25.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	19.7	.4	31.2	.8	28.0	.9	45.0

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	4.5	—	5.2	—	12.7	—	4.3
Single modes	5.5	1.2	5.2	.8	13.7	1.0	5.8
Truck	5.4	1.3	5.2	1.0	14.5	1.7	4.9
For-hire truck	7.5	2.1	7.0	2.7	7.0	3.3	3.0
Private truck	6.3	1.2	9.0	2.6	45.2	3.9	11.4
Rail	42.8	.5	46.2	.7	39.0	1.2	9.0
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	31.6
Air (includes truck and air)	16.8	.2	10.5	—	12.8	—	4.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	5.3	1.2	5.7	.4	4.4	.8	4.5
Parcel, U.S. Postal Service or courier	5.2	1.2	6.1	.4	5.3	.7	4.5
Truck and rail	30.1	.2	23.8	.1	20.4	.3	11.0
Truck and water	S	S	S	S	S	S	24.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	30.4
Other and unknown modes	17.3	.6	28.9	.7	21.5	.6	27.6
SCTG 41, WASTE AND SCRAP							
Total	9.8	—	9.5	—	8.8	—	26.2
Single modes	9.9	.2	9.5	.1	9.2	.5	13.2
Truck	10.8	2.0	11.0	2.5	12.9	3.7	14.0
For-hire truck	11.9	3.5	9.4	3.4	12.4	3.5	8.2
Private truck	16.3	3.1	17.5	4.5	29.3	3.9	20.7
Rail	12.0	1.9	10.9	2.4	11.5	3.8	15.3
Water	S	S	S	S	S	S	28.7
Shallow draft	S	S	S	S	S	S	28.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	30.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	19.3	.3	26.1	.1	18.7	.5	20.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.6
Truck and rail	19.4	.2	26.3	.1	18.7	.5	18.7
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	28.6
SCTG 43, MIXED FREIGHT							
Total	9.8	—	15.4	—	45.9	—	17.3
Single modes	8.9	2.4	16.5	1.9	48.7	2.4	9.7
Truck	8.9	2.6	16.6	1.9	49.0	2.5	9.4
For-hire truck	13.8	2.3	S	S	S	S	15.8
Private truck	10.0	2.8	11.5	6.0	9.6	11.2	10.9
Rail	S	S	S	S	S	S	40.5
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	34.3	.7	39.9	.2	S	S	11.0
Parcel, U.S. Postal Service or courier	37.6	.7	31.6	.1	44.8	.9	11.1
Truck and rail	S	S	S	S	S	S	24.4
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	48.1	2.3	34.5	1.9	S	S	S

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	13.7	—	35.3	—	S	S	17.2
Single modes	13.9	2.2	35.7	.3	S	S	30.3
Truck	10.5	5.3	17.9	12.2	15.9	14.4	33.4
For-hire truck	13.9	5.4	18.4	8.7	18.8	10.2	13.0
Private truck	13.0	2.8	22.7	9.5	17.8	6.8	30.5
Rail	S	S	S	S	S	S	46.3
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	31.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	40.5	—	S	S	22.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	24.8	1.8	33.2	.1	20.2	1.0	12.7
Parcel, U.S. Postal Service or courier	25.4	1.9	18.5	.1	21.8	.6	12.7
Truck and rail	43.8	—	S	S	45.1	.6	S
Truck and water	S	S	S	S	S	S	30.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	31.6
Other and unknown modes	37.0	2.1	31.0	.3	S	S	20.7

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	1.2	3.0	3.3
Less than 50 miles	1.6	5.4	4.8
50 to 99 miles	3.3	3.9	3.6
100 to 249 miles	2.1	1.7	2.2
250 to 499 miles	2.7	3.5	4.8
500 to 749 miles	1.2	8.1	9.0
750 to 999 miles	3.8	7.5	7.6
1,000 to 1,499 miles	3.5	6.8	7.4
1,500 to 1,999 miles	4.0	3.8	3.9
2,000 miles or more	4.4	11.6	12.8
SCTG 01, Live animals and live fish	28.7	27.6	25.9
Less than 50 miles	22.5	19.5	20.0
50 to 99 miles	S	49.7	S
100 to 249 miles	30.3	29.1	38.3
250 to 499 miles	30.9	32.8	33.2
500 to 749 miles	38.7	34.1	34.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	40.1	39.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	—	—	—
SCTG 02, Cereal grains	5.0	4.9	8.5
Less than 50 miles	9.7	10.1	13.3
50 to 99 miles	11.4	12.9	12.8
100 to 249 miles	13.9	15.6	18.4
250 to 499 miles	18.3	18.0	17.5
500 to 749 miles	13.8	23.8	24.1
750 to 999 miles	14.6	15.3	14.4
1,000 to 1,499 miles	16.1	18.1	19.0
1,500 to 1,999 miles	S	48.5	48.0
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	9.2	6.3	7.7
Less than 50 miles	10.9	12.2	14.4
50 to 99 miles	18.4	13.9	14.3
100 to 249 miles	21.5	20.0	20.8
250 to 499 miles	12.2	18.6	19.9
500 to 749 miles	13.5	14.1	15.9
750 to 999 miles	9.5	9.7	11.0
1,000 to 1,499 miles	24.3	29.6	31.1
1,500 to 1,999 miles	S	19.1	18.7
2,000 miles or more	39.9	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.4	3.8	3.7
Less than 50 miles	5.6	6.5	8.9
50 to 99 miles	12.1	11.0	11.5
100 to 249 miles	10.9	8.5	8.8
250 to 499 miles	10.2	10.8	9.3
500 to 749 miles	4.5	8.7	8.8
750 to 999 miles	13.4	9.1	8.7
1,000 to 1,499 miles	8.5	9.2	9.8
1,500 to 1,999 miles	35.6	19.1	19.8
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	7.3	6.4	8.5
Less than 50 miles	7.9	8.1	7.3
50 to 99 miles	12.8	12.7	11.5
100 to 249 miles	4.7	4.6	4.9
250 to 499 miles	9.7	10.3	10.4
500 to 749 miles	8.8	8.2	8.3
750 to 999 miles	10.7	10.3	10.2
1,000 to 1,499 miles	14.7	14.7	14.8
1,500 to 1,999 miles	10.2	10.0	10.7
2,000 miles or more	29.9	32.1	31.4
SCTG 06, Milled grain products and preparations, and bakery products	5.5	6.2	9.3
Less than 50 miles	7.0	7.9	14.8
50 to 99 miles	9.4	8.3	7.9
100 to 249 miles	6.5	13.9	14.8
250 to 499 miles	4.5	7.0	7.2
500 to 749 miles	9.3	14.9	17.6
750 to 999 miles	14.4	10.9	10.9
1,000 to 1,499 miles	11.3	13.8	13.6
1,500 to 1,999 miles	13.1	11.5	11.2
2,000 miles or more	26.9	29.8	38.6
SCTG 07, Other prepared foodstuffs and fats and oils	2.3	3.1	3.9
Less than 50 miles	3.5	4.7	4.6
50 to 99 miles	6.6	8.7	8.7
100 to 249 miles	4.6	4.7	4.8
250 to 499 miles	5.2	6.5	7.1
500 to 749 miles	5.6	6.2	6.6
750 to 999 miles	10.0	6.7	6.9
1,000 to 1,499 miles	6.1	9.4	10.3
1,500 to 1,999 miles	11.1	9.6	9.7
2,000 miles or more	20.2	29.0	29.5

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	2.7	4.7	16.8
Less than 50 miles	4.5	5.0	5.9
50 to 99 miles	10.1	10.8	11.4
100 to 249 miles	7.1	9.7	12.3
250 to 499 miles	19.1	18.5	19.4
500 to 749 miles	21.2	23.9	25.1
750 to 999 miles	40.6	38.5	38.8
1,000 to 1,499 miles	34.1	42.4	43.7
1,500 to 1,999 miles	25.2	34.4	34.2
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	5.1	14.2	26.8
Less than 50 miles	6.3	11.9	15.1
50 to 99 miles	6.4	21.8	20.9
100 to 249 miles	9.9	19.1	19.8
250 to 499 miles	31.8	28.6	29.2
500 to 749 miles	33.6	28.1	28.5
750 to 999 miles	S	45.8	48.0
1,000 to 1,499 miles	37.3	32.7	32.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	26.0	24.8	25.8
Less than 50 miles	36.4	31.2	24.8
50 to 99 miles	S	S	S
100 to 249 miles	S	40.1	37.1
250 to 499 miles	31.8	26.6	27.7
500 to 749 miles	31.2	27.4	27.5
750 to 999 miles	40.7	37.7	38.2
1,000 to 1,499 miles	46.0	46.1	47.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	21.4	24.3	13.8
Less than 50 miles	29.3	27.2	31.9
50 to 99 miles	14.0	15.0	14.1
100 to 249 miles	8.1	15.6	13.4
250 to 499 miles	12.7	23.6	23.3
500 to 749 miles	23.3	28.2	29.2
750 to 999 miles	19.8	S	S
1,000 to 1,499 miles	S	43.2	41.2
1,500 to 1,999 miles	37.3	32.9	34.4
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	5.4	5.3	11.7
Less than 50 miles	6.2	6.8	10.1
50 to 99 miles	12.8	14.0	14.5
100 to 249 miles	22.2	15.6	15.8
250 to 499 miles	9.6	18.6	17.4
500 to 749 miles	22.8	31.5	32.3
750 to 999 miles	32.3	47.2	46.1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	29.3	22.0	19.2
Less than 50 miles	25.1	27.0	27.2
50 to 99 miles	S	18.7	21.3
100 to 249 miles	17.8	32.0	33.0
250 to 499 miles	17.3	29.1	31.2
500 to 749 miles	18.3	23.3	21.7
750 to 999 miles	14.0	15.9	16.4
1,000 to 1,499 miles	18.3	13.2	13.2
1,500 to 1,999 miles	45.0	33.9	33.7
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	11.3	15.1	22.2
Less than 50 miles	21.7	28.0	33.6
50 to 99 miles	16.2	38.9	38.4
100 to 249 miles	28.2	S	S
250 to 499 miles	22.3	23.3	24.1
500 to 749 miles	35.3	40.1	41.0
750 to 999 miles	44.3	S	S
1,000 to 1,499 miles	40.3	46.4	46.2
1,500 to 1,999 miles	42.2	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	12.1	12.6	13.9
Less than 50 miles	12.6	14.6	8.9
50 to 99 miles	20.4	21.0	23.0
100 to 249 miles	23.2	20.3	15.5
250 to 499 miles	22.5	24.5	21.8
500 to 749 miles	33.2	32.8	38.1
750 to 999 miles	33.1	32.1	31.0
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	11.1	9.4	18.0
Less than 50 miles	14.3	10.4	17.1
50 to 99 miles	20.3	23.8	24.2
100 to 249 miles	23.1	22.6	22.3
250 to 499 miles	49.3	48.5	46.1
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 18, Fuel oils	7.4	7.7	26.4
Less than 50 miles	9.3	10.1	11.7
50 to 99 miles	14.3	15.1	14.9
100 to 249 miles	20.9	20.3	21.6
250 to 499 miles	34.0	35.9	37.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	—	—	—
2,000 miles or more	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	10.0	14.1	20.2
Less than 50 miles	15.9	20.2	25.7
50 to 99 miles	21.3	17.5	14.4
100 to 249 miles	18.5	29.8	30.4
250 to 499 miles	11.1	28.7	27.4
500 to 749 miles	19.0	33.7	36.9
750 to 999 miles	12.0	14.2	14.5
1,000 to 1,499 miles	41.6	35.1	30.8
1,500 to 1,999 miles	19.4	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	5.3	13.7	20.2
Less than 50 miles	6.2	17.3	28.5
50 to 99 miles	9.4	17.6	19.1
100 to 249 miles	8.7	22.0	25.2
250 to 499 miles	11.0	25.1	26.1
500 to 749 miles	13.9	29.0	32.7
750 to 999 miles	9.8	37.4	39.5
1,000 to 1,499 miles	13.5	34.6	34.8
1,500 to 1,999 miles	9.4	15.2	14.6
2,000 miles or more	25.0	32.2	33.5
SCTG 21, Pharmaceutical products	11.3	12.9	18.4
Less than 50 miles	11.6	15.8	15.9
50 to 99 miles	7.3	11.0	11.0
100 to 249 miles	10.5	9.3	10.5
250 to 499 miles	26.9	17.9	16.5
500 to 749 miles	17.8	13.3	13.5
750 to 999 miles	25.9	S	S
1,000 to 1,499 miles	12.4	14.6	14.5
1,500 to 1,999 miles	19.2	21.2	21.1
2,000 miles or more	37.7	23.9	24.9
SCTG 22, Fertilizers	21.4	26.1	44.8
Less than 50 miles	11.5	15.1	25.2
50 to 99 miles	40.1	37.4	35.2
100 to 249 miles	42.5	48.8	S
250 to 499 miles	S	S	S
500 to 749 miles	42.2	41.3	36.8
750 to 999 miles	35.7	47.1	46.6
1,000 to 1,499 miles	35.6	28.6	28.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	6.1	7.9	5.5
Less than 50 miles	13.2	17.3	16.0
50 to 99 miles	9.4	9.9	11.2
100 to 249 miles	6.4	8.8	9.2
250 to 499 miles	6.2	5.6	5.1
500 to 749 miles	5.5	6.0	5.5
750 to 999 miles	16.7	12.8	13.2
1,000 to 1,499 miles	17.1	17.9	17.6
1,500 to 1,999 miles	17.5	12.9	13.7
2,000 miles or more	24.9	25.9	25.7
SCTG 24, Plastics and rubber	3.4	2.4	2.4
Less than 50 miles	4.8	5.8	6.4
50 to 99 miles	4.5	5.8	6.2
100 to 249 miles	8.0	7.5	6.5
250 to 499 miles	4.0	4.2	3.7
500 to 749 miles	5.2	6.2	7.3
750 to 999 miles	8.4	8.8	9.3
1,000 to 1,499 miles	11.2	16.1	17.0
1,500 to 1,999 miles	5.8	7.0	7.0
2,000 miles or more	17.1	23.5	24.2

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	11.2	30.3	22.4
Less than 50 miles	26.1	29.6	S
50 to 99 miles	27.1	46.5	49.3
100 to 249 miles	20.5	23.2	21.8
250 to 499 miles	25.0	S	S
500 to 749 miles	35.4	32.6	32.6
750 to 999 miles	42.6	S	S
1,000 to 1,499 miles	46.4	S	S
1,500 to 1,999 miles	45.8	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	6.1	11.2	8.2
Less than 50 miles	6.6	19.7	23.1
50 to 99 miles	8.6	13.5	11.1
100 to 249 miles	9.0	6.1	5.7
250 to 499 miles	10.9	10.8	11.2
500 to 749 miles	12.3	14.8	14.4
750 to 999 miles	16.4	14.4	14.1
1,000 to 1,499 miles	12.9	36.8	36.9
1,500 to 1,999 miles	10.8	7.2	7.4
2,000 miles or more	22.6	26.2	26.0
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	28.0	10.0
Less than 50 miles	6.2	9.5	14.6
50 to 99 miles	9.4	S	S
100 to 249 miles	8.9	8.2	8.8
250 to 499 miles	13.7	10.2	10.6
500 to 749 miles	12.5	7.9	8.4
750 to 999 miles	16.3	18.7	18.2
1,000 to 1,499 miles	13.8	13.8	14.2
1,500 to 1,999 miles	14.5	19.2	17.8
2,000 miles or more	31.8	33.4	32.4
SCTG 28, Paper or paperboard articles	5.2	4.0	6.3
Less than 50 miles	7.7	6.7	7.5
50 to 99 miles	4.5	5.8	6.8
100 to 249 miles	6.6	8.6	9.1
250 to 499 miles	8.1	8.2	7.2
500 to 749 miles	10.0	9.7	9.6
750 to 999 miles	5.6	12.6	12.6
1,000 to 1,499 miles	14.3	16.4	17.0
1,500 to 1,999 miles	12.9	11.8	12.2
2,000 miles or more	29.4	25.4	25.8
SCTG 29, Printed products	5.8	7.3	14.6
Less than 50 miles	5.8	9.4	7.6
50 to 99 miles	8.7	10.6	11.4
100 to 249 miles	5.7	6.9	6.1
250 to 499 miles	5.7	12.1	13.5
500 to 749 miles	9.0	14.8	14.5
750 to 999 miles	8.2	12.8	13.6
1,000 to 1,499 miles	19.8	41.6	40.4
1,500 to 1,999 miles	24.1	16.1	16.6
2,000 miles or more	26.4	33.6	43.4
SCTG 30, Textiles, leather, and articles of textiles or leather	10.0	9.9	18.3
Less than 50 miles	13.7	10.7	13.5
50 to 99 miles	10.9	16.8	16.0
100 to 249 miles	17.9	23.7	26.7
250 to 499 miles	14.6	11.7	11.5
500 to 749 miles	10.9	18.1	17.5
750 to 999 miles	10.2	13.0	13.2
1,000 to 1,499 miles	20.0	38.2	41.1
1,500 to 1,999 miles	13.1	S	S
2,000 miles or more	34.9	33.0	33.9
SCTG 31, Nonmetallic mineral products	1.6	33.3	13.9
Less than 50 miles	5.3	43.2	49.8
50 to 99 miles	7.0	9.3	10.7
100 to 249 miles	5.3	6.7	7.2
250 to 499 miles	5.2	12.9	14.1
500 to 749 miles	7.4	12.6	14.3
750 to 999 miles	8.7	21.7	24.5
1,000 to 1,499 miles	12.2	S	S
1,500 to 1,999 miles	25.1	25.4	24.4
2,000 miles or more	20.6	28.1	30.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.4	10.5	5.7
Less than 50 miles	5.0	19.5	7.5
50 to 99 miles	4.5	15.5	13.2
100 to 249 miles	7.3	8.0	9.3
250 to 499 miles	7.3	11.1	11.0
500 to 749 miles	5.2	6.8	7.4
750 to 999 miles	11.0	18.5	20.2
1,000 to 1,499 miles	7.3	24.7	27.3
1,500 to 1,999 miles	13.2	10.6	11.0
2,000 miles or more	18.1	28.6	28.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	4.5	13.4	20.7
Less than 50 miles	8.0	10.4	15.2
50 to 99 miles	9.1	11.2	10.4
100 to 249 miles	4.1	8.3	9.7
250 to 499 miles	4.4	10.0	10.5
500 to 749 miles	10.5	22.0	21.8
750 to 999 miles	4.9	49.8	S
1,000 to 1,499 miles	9.1	23.5	24.0
1,500 to 1,999 miles	33.1	9.8	9.5
2,000 miles or more	23.4	29.2	29.3
SCTG 34, Machinery	3.6	5.0	9.2
Less than 50 miles	6.6	4.8	5.7
50 to 99 miles	5.2	17.2	17.4
100 to 249 miles	7.7	9.8	9.4
250 to 499 miles	5.5	5.5	5.6
500 to 749 miles	4.0	5.3	5.3
750 to 999 miles	5.3	8.3	10.1
1,000 to 1,499 miles	12.3	17.5	15.9
1,500 to 1,999 miles	14.6	21.3	22.8
2,000 miles or more	30.4	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.1	4.2	5.9
Less than 50 miles	5.6	6.5	8.2
50 to 99 miles	6.4	6.6	6.2
100 to 249 miles	10.7	7.2	7.2
250 to 499 miles	7.8	10.1	10.1
500 to 749 miles	5.2	6.3	5.9
750 to 999 miles	12.6	6.4	6.4
1,000 to 1,499 miles	8.1	10.7	10.9
1,500 to 1,999 miles	8.7	14.3	13.6
2,000 miles or more	10.8	28.0	23.7
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.2	5.1
Less than 50 miles	9.0	10.4	7.9
50 to 99 miles	8.2	8.2	7.1
100 to 249 miles	7.6	13.9	15.5
250 to 499 miles	8.6	6.2	8.2
500 to 749 miles	5.5	5.4	5.6
750 to 999 miles	12.3	19.5	18.6
1,000 to 1,499 miles	8.3	8.5	9.6
1,500 to 1,999 miles	12.3	12.4	12.0
2,000 miles or more	16.6	31.7	31.4
SCTG 37, Transportation equipment, n.e.c.	12.1	15.0	22.7
Less than 50 miles	22.8	30.5	34.7
50 to 99 miles	30.8	25.6	27.9
100 to 249 miles	19.5	31.0	36.6
250 to 499 miles	10.2	17.4	17.9
500 to 749 miles	16.1	39.9	45.8
750 to 999 miles	20.5	21.8	20.1
1,000 to 1,499 miles	43.2	S	S
1,500 to 1,999 miles	29.5	20.7	21.2
2,000 miles or more	45.6	S	S
SCTG 38, Precision instruments and apparatus	5.2	6.5	7.1
Less than 50 miles	13.7	22.1	29.4
50 to 99 miles	14.7	22.8	20.5
100 to 249 miles	9.3	11.4	12.5
250 to 499 miles	7.7	18.3	18.6
500 to 749 miles	6.0	10.7	10.6
750 to 999 miles	8.5	16.0	16.7
1,000 to 1,499 miles	8.7	14.8	15.0
1,500 to 1,999 miles	9.9	10.0	9.9
2,000 miles or more	27.5	34.9	33.5
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5.8	9.2	13.8
Less than 50 miles	7.5	10.6	16.8
50 to 99 miles	10.3	15.3	16.2
100 to 249 miles	6.1	11.0	11.6
250 to 499 miles	5.6	11.7	11.3
500 to 749 miles	9.9	13.5	12.9
750 to 999 miles	12.6	15.2	15.4
1,000 to 1,499 miles	12.3	10.2	10.7
1,500 to 1,999 miles	8.0	31.3	32.5
2,000 miles or more	46.9	35.4	41.4
SCTG 40, Miscellaneous manufactured products	4.5	5.2	12.7
Less than 50 miles	8.4	10.9	10.7
50 to 99 miles	10.6	15.5	17.1
100 to 249 miles	8.4	3.4	4.3
250 to 499 miles	4.2	7.3	6.9
500 to 749 miles	5.9	6.4	6.6
750 to 999 miles	5.0	15.0	14.9
1,000 to 1,499 miles	5.4	9.5	11.2
1,500 to 1,999 miles	7.3	39.5	39.2
2,000 miles or more	12.2	23.2	21.9

See footnotes at end of table.

Table B–8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	9.8	9.5	8.8
Less than 50 miles	13.4	13.0	15.2
50 to 99 miles	16.3	14.9	14.1
100 to 249 miles	19.4	13.1	14.5
250 to 499 miles	11.8	17.0	17.6
500 to 749 miles	14.8	21.8	21.0
750 to 999 miles	21.1	19.5	19.0
1,000 to 1,499 miles	31.4	23.9	23.7
1,500 to 1,999 miles	28.6	25.4	25.0
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	9.8	15.4	45.9
Less than 50 miles	10.7	12.4	11.2
50 to 99 miles	13.5	18.0	16.9
100 to 249 miles	14.2	14.9	15.0
250 to 499 miles	32.0	S	S
500 to 749 miles	21.1	S	S
750 to 999 miles	29.8	S	S
1,000 to 1,499 miles	22.5	S	S
1,500 to 1,999 miles	29.0	S	S
2,000 miles or more	S	S	S
Commodity unknown	13.7	35.3	S
Less than 50 miles	14.3	22.9	23.7
50 to 99 miles	17.1	31.1	29.8
100 to 249 miles	29.7	S	S
250 to 499 miles	25.6	S	S
500 to 749 miles	32.8	28.2	30.4
750 to 999 miles	10.7	26.9	27.9
1,000 to 1,499 miles	21.1	S	S
1,500 to 1,999 miles	29.8	36.6	34.8
2,000 miles or more	44.7	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	1.2	3.0	3.3
Less than 50 lb	2.6	3.4	8.0
50 to 99 lb	3.9	2.7	5.9
100 to 499 lb	2.8	3.1	3.3
500 to 749 lb	3.0	2.0	11.5
750 to 999 lb	2.5	2.5	1.6
1,000 to 9,999 lb	2.5	4.4	2.5
10,000 to 49,999 lb	1.6	2.8	2.9
50,000 to 99,999 lb	7.3	5.2	3.2
100,000 lb or more	4.6	6.4	5.8
SCTG 01, Live animals and live fish	28.7	27.6	25.9
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	36.2	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	36.2	33.3	28.2
50,000 to 99,999 lb	21.0	24.1	14.9
100,000 lb or more	24.5	33.9	48.7
SCTG 02, Cereal grains	5.0	4.9	8.5
Less than 50 lb	31.9	31.5	34.5
50 to 99 lb	S	31.0	S
100 to 499 lb	16.3	11.8	13.9
500 to 749 lb	32.6	20.6	35.2
750 to 999 lb	35.4	27.2	22.3
1,000 to 9,999 lb	29.7	10.4	31.4
10,000 to 49,999 lb	21.8	12.2	21.7
50,000 to 99,999 lb	7.3	8.1	10.9
100,000 lb or more	6.9	7.4	8.8
SCTG 03, Other agricultural products	9.2	6.3	7.7
Less than 50 lb	18.0	24.5	39.9
50 to 99 lb	13.1	35.8	17.1
100 to 499 lb	7.6	17.9	13.0
500 to 749 lb	14.6	20.5	16.7
750 to 999 lb	31.0	19.5	17.5
1,000 to 9,999 lb	11.3	12.7	11.9
10,000 to 49,999 lb	29.8	19.9	30.7
50,000 to 99,999 lb	8.3	7.8	10.5
100,000 lb or more	11.2	10.5	9.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.4	3.8	3.7
Less than 50 lb	17.3	16.2	24.8
50 to 99 lb	13.2	11.2	15.2
100 to 499 lb	14.4	10.0	20.4
500 to 749 lb	24.5	12.6	31.5
750 to 999 lb	30.7	20.2	26.8
1,000 to 9,999 lb	10.0	9.5	18.0
10,000 to 49,999 lb	8.1	5.9	7.9
50,000 to 99,999 lb	7.4	8.9	9.5
100,000 lb or more	8.4	5.7	7.0
SCTG 05, Meat, fish, seafood, and their preparations	7.3	6.4	8.5
Less than 50 lb	29.9	24.2	29.2
50 to 99 lb	31.3	23.5	21.9
100 to 499 lb	17.4	11.8	7.7
500 to 749 lb	9.1	13.2	10.9
750 to 999 lb	7.5	10.2	10.0
1,000 to 9,999 lb	8.8	7.8	9.1
10,000 to 49,999 lb	7.4	7.1	9.9
50,000 to 99,999 lb	20.4	18.0	34.0
100,000 lb or more	20.4	14.1	21.1
SCTG 06, Milled grain products and preparations, and bakery products	5.5	6.2	9.3
Less than 50 lb	41.1	15.1	42.3
50 to 99 lb	21.7	27.0	19.8
100 to 499 lb	21.6	20.9	14.9
500 to 749 lb	16.0	15.7	13.0
750 to 999 lb	16.9	10.7	12.6
1,000 to 9,999 lb	13.0	11.7	15.1
10,000 to 49,999 lb	8.1	6.6	7.9
50,000 to 99,999 lb	16.5	14.9	16.7
100,000 lb or more	10.4	12.1	13.8
SCTG 07, Other prepared foodstuffs and fats and oils	2.3	3.1	3.9
Less than 50 lb	14.6	12.8	23.1
50 to 99 lb	12.9	12.5	14.1
100 to 499 lb	5.7	10.9	7.7
500 to 749 lb	5.6	12.8	10.0
750 to 999 lb	10.9	11.9	17.0
1,000 to 9,999 lb	5.8	6.9	7.3
10,000 to 49,999 lb	3.5	3.9	4.6
50,000 to 99,999 lb	8.1	8.3	11.6
100,000 lb or more	5.8	7.6	6.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	2.7	4.7	16.8
Less than 50 lb	9.6	7.6	14.8
50 to 99 lb	13.9	8.5	12.9
100 to 499 lb	6.7	4.7	6.2
500 to 749 lb	4.1	5.7	6.4
750 to 999 lb	7.9	6.7	7.8
1,000 to 9,999 lb	7.5	7.2	8.0
10,000 to 49,999 lb	11.9	11.1	14.7
50,000 to 99,999 lb	18.2	16.7	26.0
100,000 lb or more	19.9	20.7	31.4
SCTG 09, Tobacco products	5.1	14.2	26.8
Less than 50 lb	11.4	9.5	12.4
50 to 99 lb	7.4	9.1	18.6
100 to 499 lb	8.2	7.0	17.6
500 to 749 lb	14.7	11.3	26.6
750 to 999 lb	16.2	18.9	29.1
1,000 to 9,999 lb	12.4	19.8	37.9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	—	—	—
100,000 lb or more	—	—	—
SCTG 10, Monumental or building stone	26.0	24.8	25.8
Less than 50 lb	34.8	32.9	S
50 to 99 lb	S	S	49.3
100 to 499 lb	S	S	S
500 to 749 lb	38.1	38.1	37.4
750 to 999 lb	41.2	47.7	S
1,000 to 9,999 lb	27.3	32.0	30.6
10,000 to 49,999 lb	32.6	38.4	28.0
50,000 to 99,999 lb	S	34.7	33.2
100,000 lb or more	S	40.2	43.3
SCTG 11, Natural sands	21.4	24.3	13.8
Less than 50 lb	S	S	S
50 to 99 lb	35.5	42.0	40.3
100 to 499 lb	S	29.7	32.5
500 to 749 lb	S	31.5	27.7
750 to 999 lb	48.0	31.6	34.3
1,000 to 9,999 lb	38.9	14.7	23.9
10,000 to 49,999 lb	28.2	31.7	31.5
50,000 to 99,999 lb	24.1	32.3	23.7
100,000 lb or more	21.9	36.7	21.6
SCTG 12, Gravel and crushed stone	5.4	5.3	11.7
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	45.6	18.5	S
500 to 749 lb	S	24.8	S
750 to 999 lb	S	S	41.0
1,000 to 9,999 lb	S	12.3	17.6
10,000 to 49,999 lb	5.7	8.2	16.0
50,000 to 99,999 lb	10.8	8.3	9.9
100,000 lb or more	12.3	15.1	16.9
SCTG 13, Nonmetallic minerals n.e.c.	29.3	22.0	19.2
Less than 50 lb	28.7	21.8	S
50 to 99 lb	22.5	26.9	46.9
100 to 499 lb	46.3	21.4	33.9
500 to 749 lb	30.4	S	S
750 to 999 lb	36.1	29.8	45.4
1,000 to 9,999 lb	28.2	21.5	17.7
10,000 to 49,999 lb	37.7	31.4	14.2
50,000 to 99,999 lb	30.7	25.6	18.6
100,000 lb or more	16.2	19.2	26.7
SCTG 14, Metallic ores and concentrates	11.3	15.1	22.2
Less than 50 lb	36.4	37.0	S
50 to 99 lb	28.6	18.7	46.3
100 to 499 lb	32.6	25.4	33.7
500 to 749 lb	25.1	18.7	23.3
750 to 999 lb	42.1	30.8	41.8
1,000 to 9,999 lb	34.2	35.0	30.3
10,000 to 49,999 lb	11.9	21.6	36.1
50,000 to 99,999 lb	46.9	S	S
100,000 lb or more	14.8	15.4	22.2
SCTG 15, Coal	12.1	12.6	13.9
Less than 50 lb	S	S	S
50 to 99 lb	—	—	—
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	34.2	S
10,000 to 49,999 lb	21.2	28.2	22.3
50,000 to 99,999 lb	29.5	29.4	33.7
100,000 lb or more	12.1	12.1	14.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	11.1	9.4	18.0
Less than 50 lb	31.6	35.6	S
50 to 99 lb	37.6	37.7	49.6
100 to 499 lb	S	16.5	16.7
500 to 749 lb	18.9	15.4	12.7
750 to 999 lb	26.7	22.4	27.0
1,000 to 9,999 lb	20.8	14.4	24.1
10,000 to 49,999 lb	11.6	13.1	14.5
50,000 to 99,999 lb	22.3	17.2	16.3
100,000 lb or more	13.1	14.3	32.3
SCTG 18, Fuel oils	7.4	7.7	26.4
Less than 50 lb	38.7	S	S
50 to 99 lb	24.9	36.1	S
100 to 499 lb	17.9	13.2	20.9
500 to 749 lb	23.0	23.0	21.1
750 to 999 lb	15.9	18.3	10.0
1,000 to 9,999 lb	9.0	11.9	9.5
10,000 to 49,999 lb	11.3	10.5	16.7
50,000 to 99,999 lb	13.4	12.6	18.2
100,000 lb or more	12.8	13.1	S
SCTG 19, Coal and petroleum products, n.e.c.	10.0	14.1	20.2
Less than 50 lb	12.5	9.9	26.3
50 to 99 lb	12.7	11.2	30.3
100 to 499 lb	20.6	13.2	16.5
500 to 749 lb	16.4	14.6	41.5
750 to 999 lb	10.7	13.3	21.3
1,000 to 9,999 lb	17.2	11.7	20.6
10,000 to 49,999 lb	10.2	15.8	21.3
50,000 to 99,999 lb	16.5	22.0	21.5
100,000 lb or more	18.2	19.0	24.1
SCTG 20, Basic chemicals	5.3	13.7	20.2
Less than 50 lb	19.8	28.8	30.7
50 to 99 lb	11.7	24.9	24.1
100 to 499 lb	15.0	34.5	17.8
500 to 749 lb	15.9	23.2	27.4
750 to 999 lb	41.3	24.2	12.4
1,000 to 9,999 lb	8.5	15.4	11.0
10,000 to 49,999 lb	7.2	19.7	10.5
50,000 to 99,999 lb	12.0	22.4	37.0
100,000 lb or more	14.8	24.7	30.8
SCTG 21, Pharmaceutical products	11.3	12.9	18.4
Less than 50 lb	8.3	10.9	11.8
50 to 99 lb	12.7	16.3	12.3
100 to 499 lb	15.5	8.7	10.8
500 to 749 lb	26.1	13.1	11.7
750 to 999 lb	26.3	14.7	15.6
1,000 to 9,999 lb	22.5	15.7	15.3
10,000 to 49,999 lb	18.2	22.4	32.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	21.4	26.1	44.8
Less than 50 lb	46.4	31.5	48.6
50 to 99 lb	35.4	26.4	46.8
100 to 499 lb	26.6	16.1	13.8
500 to 749 lb	22.2	34.8	30.9
750 to 999 lb	31.0	27.9	24.0
1,000 to 9,999 lb	15.1	15.0	8.3
10,000 to 49,999 lb	23.3	26.0	49.9
50,000 to 99,999 lb	28.1	34.3	23.1
100,000 lb or more	42.0	38.2	49.2
SCTG 23, Chemical products and preparations, n.e.c.	6.1	7.9	5.5
Less than 50 lb	9.6	10.1	15.1
50 to 99 lb	11.4	7.6	10.6
100 to 499 lb	8.1	8.7	11.9
500 to 749 lb	30.7	12.0	13.4
750 to 999 lb	24.9	19.2	12.5
1,000 to 9,999 lb	10.8	10.5	7.7
10,000 to 49,999 lb	6.9	9.6	6.9
50,000 to 99,999 lb	18.8	19.7	42.2
100,000 lb or more	9.8	11.5	8.0
SCTG 24, Plastics and rubber	3.4	2.4	2.4
Less than 50 lb	6.8	12.6	21.0
50 to 99 lb	4.8	5.4	7.3
100 to 499 lb	5.3	5.8	4.0
500 to 749 lb	8.3	6.1	7.3
750 to 999 lb	7.7	6.9	8.6
1,000 to 9,999 lb	4.6	6.1	6.2
10,000 to 49,999 lb	4.6	2.6	3.6
50,000 to 99,999 lb	31.3	19.8	37.2
100,000 lb or more	12.7	14.6	13.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	11.2	30.3	22.4
Less than 50 lb	S	S	S
50 to 99 lb	39.1	S	S
100 to 499 lb	37.4	S	S
500 to 749 lb	38.1	30.5	41.7
750 to 999 lb	47.8	S	S
1,000 to 9,999 lb	34.6	44.4	30.1
10,000 to 49,999 lb	15.7	23.5	26.8
50,000 to 99,999 lb	29.2	44.9	46.7
100,000 lb or more	21.4	35.9	37.6
SCTG 26, Wood products	6.1	11.2	8.2
Less than 50 lb	13.5	10.4	18.3
50 to 99 lb	7.2	22.0	S
100 to 499 lb	13.1	10.4	6.4
500 to 749 lb	11.5	8.6	9.5
750 to 999 lb	9.5	12.0	12.8
1,000 to 9,999 lb	6.0	34.0	9.5
10,000 to 49,999 lb	8.0	11.6	13.3
50,000 to 99,999 lb	7.1	12.2	10.4
100,000 lb or more	12.4	18.9	6.9
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	28.0	10.0
Less than 50 lb	14.1	11.3	23.1
50 to 99 lb	16.0	15.4	36.0
100 to 499 lb	10.6	11.7	30.8
500 to 749 lb	11.6	13.6	34.7
750 to 999 lb	14.0	12.1	21.0
1,000 to 9,999 lb	13.0	10.8	14.1
10,000 to 49,999 lb	8.9	8.9	10.4
50,000 to 99,999 lb	11.6	13.3	16.5
100,000 lb or more	8.1	S	19.4
SCTG 28, Paper or paperboard articles	5.2	4.0	6.3
Less than 50 lb	19.2	11.4	19.0
50 to 99 lb	9.6	10.1	18.7
100 to 499 lb	5.7	4.7	7.6
500 to 749 lb	12.5	7.4	13.3
750 to 999 lb	8.2	7.5	15.4
1,000 to 9,999 lb	8.0	5.7	11.0
10,000 to 49,999 lb	5.0	5.7	7.7
50,000 to 99,999 lb	23.8	31.6	33.7
100,000 lb or more	19.0	33.8	S
SCTG 29, Printed products	5.8	7.3	14.6
Less than 50 lb	10.2	10.2	26.5
50 to 99 lb	14.0	8.7	17.7
100 to 499 lb	16.2	10.2	19.0
500 to 749 lb	14.6	17.7	22.6
750 to 999 lb	11.9	13.4	25.2
1,000 to 9,999 lb	7.7	13.1	31.7
10,000 to 49,999 lb	5.2	7.0	7.2
50,000 to 99,999 lb	20.7	18.3	29.7
100,000 lb or more	18.1	43.6	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.0	9.9	18.3
Less than 50 lb	7.1	7.4	11.0
50 to 99 lb	29.0	19.2	23.7
100 to 499 lb	13.0	8.7	7.8
500 to 749 lb	9.7	9.7	7.4
750 to 999 lb	14.0	12.9	13.9
1,000 to 9,999 lb	17.5	13.0	14.1
10,000 to 49,999 lb	27.2	26.2	37.3
50,000 to 99,999 lb	34.5	41.5	45.9
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	1.6	33.3	13.9
Less than 50 lb	19.0	22.1	32.0
50 to 99 lb	14.5	12.5	24.7
100 to 499 lb	16.7	15.0	17.2
500 to 749 lb	15.5	23.6	14.9
750 to 999 lb	13.0	13.2	14.8
1,000 to 9,999 lb	6.8	19.6	6.6
10,000 to 49,999 lb	2.4	6.2	9.5
50,000 to 99,999 lb	6.6	20.4	10.5
100,000 lb or more	32.9	S	29.8
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.4	10.5	5.7
Less than 50 lb	15.3	12.2	14.1
50 to 99 lb	12.2	12.2	9.2
100 to 499 lb	9.8	10.3	9.0
500 to 749 lb	10.7	11.8	10.7
750 to 999 lb	13.4	9.6	9.9
1,000 to 9,999 lb	4.9	10.6	6.2
10,000 to 49,999 lb	6.6	11.8	9.0
50,000 to 99,999 lb	9.5	16.1	9.5
100,000 lb or more	10.1	10.5	11.9

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	4.5	13.4	20.7
Less than 50 lb	8.0	10.8	30.9
50 to 99 lb	27.0	17.0	28.4
100 to 499 lb	13.0	10.7	16.9
500 to 749 lb	17.8	15.1	12.6
750 to 999 lb	16.7	15.4	12.2
1,000 to 9,999 lb	10.1	17.0	22.1
10,000 to 49,999 lb	3.2	22.3	36.0
50,000 to 99,999 lb	16.7	14.5	26.6
100,000 lb or more	17.8	21.7	27.6
SCTG 34, Machinery	3.6	5.0	9.2
Less than 50 lb	7.2	11.1	13.8
50 to 99 lb	6.3	8.0	9.0
100 to 499 lb	2.9	4.8	6.0
500 to 749 lb	16.7	26.5	S
750 to 999 lb	8.9	7.7	11.1
1,000 to 9,999 lb	3.2	3.8	6.1
10,000 to 49,999 lb	4.7	4.7	9.1
50,000 to 99,999 lb	17.1	31.0	25.6
100,000 lb or more	25.8	25.6	38.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.1	4.2	5.9
Less than 50 lb	4.7	5.1	7.5
50 to 99 lb	9.1	7.5	14.1
100 to 499 lb	9.8	10.5	15.0
500 to 749 lb	10.5	13.5	15.8
750 to 999 lb	11.8	9.5	13.1
1,000 to 9,999 lb	7.2	5.0	6.0
10,000 to 49,999 lb	9.8	5.4	7.3
50,000 to 99,999 lb	27.9	32.4	32.4
100,000 lb or more	33.9	S	39.4
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.2	5.1
Less than 50 lb	7.2	7.7	12.4
50 to 99 lb	5.0	4.4	11.0
100 to 499 lb	10.8	6.1	9.8
500 to 749 lb	11.0	14.1	18.7
750 to 999 lb	15.2	11.3	12.4
1,000 to 9,999 lb	8.3	4.9	4.3
10,000 to 49,999 lb	7.2	5.8	5.4
50,000 to 99,999 lb	15.3	7.8	8.0
100,000 lb or more	28.9	38.2	42.3
SCTG 37, Transportation equipment, n.e.c.	12.1	15.0	22.7
Less than 50 lb	14.6	16.9	24.6
50 to 99 lb	22.0	16.5	15.3
100 to 499 lb	21.6	19.6	21.6
500 to 749 lb	23.1	22.7	27.3
750 to 999 lb	48.5	33.1	25.3
1,000 to 9,999 lb	29.2	17.8	33.5
10,000 to 49,999 lb	14.4	19.7	24.1
50,000 to 99,999 lb	S	S	47.8
100,000 lb or more	33.4	38.4	S
SCTG 38, Precision instruments and apparatus	5.2	6.5	7.1
Less than 50 lb	5.9	12.1	11.2
50 to 99 lb	8.3	16.9	25.7
100 to 499 lb	17.2	12.7	9.9
500 to 749 lb	16.6	18.8	16.2
750 to 999 lb	19.4	18.1	15.9
1,000 to 9,999 lb	8.1	19.8	12.5
10,000 to 49,999 lb	20.3	14.4	17.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5.8	9.2	13.8
Less than 50 lb	12.5	20.3	28.0
50 to 99 lb	7.8	14.9	22.8
100 to 499 lb	8.7	10.3	18.7
500 to 749 lb	9.5	7.5	13.7
750 to 999 lb	7.0	6.7	9.2
1,000 to 9,999 lb	6.0	6.7	10.0
10,000 to 49,999 lb	11.8	20.3	25.4
50,000 to 99,999 lb	37.8	44.7	S
100,000 lb or more	41.6	39.4	47.3
SCTG 40, Miscellaneous manufactured products	4.5	5.2	12.7
Less than 50 lb	6.0	6.0	7.0
50 to 99 lb	5.4	4.8	8.9
100 to 499 lb	3.8	10.9	6.8
500 to 749 lb	19.4	10.1	10.1
750 to 999 lb	9.9	9.4	8.6
1,000 to 9,999 lb	6.7	6.4	6.4
10,000 to 49,999 lb	8.6	6.7	6.6
50,000 to 99,999 lb	15.9	9.7	38.7
100,000 lb or more	30.9	45.5	S

See footnotes at end of table.

Table B–9. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	9.8	9.5	8.8
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	39.8	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	40.0	S
1,000 to 9,999 lb	15.6	34.6	27.8
10,000 to 49,999 lb	13.6	13.5	11.4
50,000 to 99,999 lb	7.3	16.9	20.8
100,000 lb or more	10.2	9.2	11.7
SCTG 43, Mixed freight	9.8	15.4	45.9
Less than 50 lb	29.1	28.3	S
50 to 99 lb	12.4	14.6	19.1
100 to 499 lb	15.3	20.4	12.0
500 to 749 lb	17.2	16.8	12.8
750 to 999 lb	16.2	13.6	24.1
1,000 to 9,999 lb	11.5	13.1	13.1
10,000 to 49,999 lb	13.0	12.0	14.0
50,000 to 99,999 lb	24.4	21.6	38.5
100,000 lb or more	S	S	S
Commodity unknown	13.7	35.3	S
Less than 50 lb	14.2	19.2	25.9
50 to 99 lb	29.2	18.5	33.6
100 to 499 lb	21.7	15.9	23.3
500 to 749 lb	32.8	23.3	22.0
750 to 999 lb	26.9	22.9	20.1
1,000 to 9,999 lb	12.8	20.2	21.8
10,000 to 49,999 lb	22.2	18.9	22.3
50,000 to 99,999 lb	38.4	35.3	47.5
100,000 lb or more	46.9	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	1.2	3.0	3.3	5.5	1.6	5.4	4.8	3.3	3.9	3.6
Less than 50 lb	2.6	3.4	8.0	5.9	4.1	5.5	5.6	5.2	3.5	3.4
50 to 99 lb	3.9	2.7	5.9	5.6	6.5	3.6	3.4	3.1	4.0	4.1
100 to 499 lb	2.8	3.1	3.3	4.5	2.5	4.5	5.5	3.1	5.1	4.8
500 to 749 lb	3.0	2.0	11.5	10.7	4.2	3.4	4.5	8.3	5.2	4.9
750 to 999 lb	2.5	2.5	1.6	1.6	4.1	3.4	5.6	8.5	6.9	6.4
1,000 to 9,999 lb	2.5	4.4	2.5	2.1	3.9	5.7	8.0	4.1	5.3	4.8
10,000 to 49,999 lb	1.6	2.8	2.9	3.6	2.3	4.5	6.8	5.9	3.6	3.6
50,000 to 99,999 lb	7.3	5.2	3.2	3.7	12.2	6.5	7.4	11.7	9.1	8.5
100,000 lb or more	4.6	6.4	5.8	13.0	7.9	17.7	16.9	12.5	13.4	10.1
SCTG 01, Live animals and live fish	28.7	27.6	25.9	20.3	22.5	19.5	20.0	S	49.7	S
Less than 50 lb	S	S	S	23.6	S	S	S	S	S	S
50 to 99 lb	S	S	S	31.2	S	S	S	S	S	S
100 to 499 lb	S	S	S	29.8	S	S	S	S	S	S
500 to 749 lb	S	36.2	S	22.3	S	49.7	S	S	S	S
750 to 999 lb	S	S	S	33.7	46.5	36.7	39.0	S	S	S
1,000 to 9,999 lb	S	S	S	20.0	S	30.5	38.5	48.8	44.8	39.9
10,000 to 49,999 lb	36.2	33.3	28.2	10.4	24.8	27.6	27.8	S	S	S
50,000 to 99,999 lb	21.0	24.1	14.9	11.6	32.4	37.8	43.3	S	S	S
100,000 lb or more	24.5	33.9	48.7	18.6	40.9	41.9	43.5	45.3	46.5	47.4
SCTG 02, Cereal grains	5.0	4.9	8.5	18.0	9.7	10.1	13.3	11.4	12.9	12.8
Less than 50 lb	31.9	31.5	34.5	S	41.6	36.7	35.1	48.8	S	S
50 to 99 lb	S	31.0	S	S	S	29.5	S	S	S	S
100 to 499 lb	16.3	11.8	13.9	18.4	18.5	12.6	23.3	43.7	30.1	30.3
500 to 749 lb	32.6	20.6	35.2	28.8	23.4	20.7	22.3	S	S	S
750 to 999 lb	35.4	27.2	22.3	S	48.0	33.4	39.9	S	S	S
1,000 to 9,999 lb	29.7	10.4	31.4	21.1	15.4	12.7	19.5	43.8	S	S
10,000 to 49,999 lb	21.8	12.2	21.7	24.6	15.7	18.1	18.3	26.7	33.8	32.8
50,000 to 99,999 lb	7.3	8.1	10.9	16.7	13.9	14.3	16.1	14.3	14.9	14.1
100,000 lb or more	6.9	7.4	8.8	9.1	10.9	12.6	21.6	23.5	27.7	27.1
SCTG 03, Other agricultural products	9.2	6.3	7.7	17.8	10.9	12.2	14.4	18.4	13.9	14.3
Less than 50 lb	18.0	24.5	39.9	17.4	30.4	44.4	43.7	16.9	18.4	21.9
50 to 99 lb	13.1	35.8	17.1	21.6	20.0	43.0	48.1	24.9	23.5	24.0
100 to 499 lb	7.6	17.9	13.0	10.4	11.8	20.5	19.0	29.6	21.4	19.9
500 to 749 lb	14.6	20.5	16.7	18.3	20.9	23.6	29.7	24.4	27.4	27.2
750 to 999 lb	31.0	19.5	17.5	20.3	24.0	28.0	26.0	S	23.1	20.2
1,000 to 9,999 lb	11.3	12.7	11.9	20.8	11.6	10.8	25.2	20.8	42.6	36.0
10,000 to 49,999 lb	29.8	19.9	30.7	14.7	23.7	21.0	20.0	46.9	36.1	37.9
50,000 to 99,999 lb	8.3	7.8	10.5	4.3	9.7	9.7	11.7	17.9	17.6	19.0
100,000 lb or more	11.2	10.5	9.6	9.0	39.7	40.9	38.4	37.2	36.9	32.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	5.4	3.8	3.7	14.8	5.6	6.5	8.9	12.1	11.0	11.5
Less than 50 lb	17.3	16.2	24.8	30.4	21.5	17.7	16.8	S	36.0	35.4
50 to 99 lb	13.2	11.2	15.2	41.4	13.7	11.7	14.7	S	29.2	31.4
100 to 499 lb	14.4	10.0	20.4	20.0	12.3	9.6	21.4	41.1	30.9	32.1
500 to 749 lb	24.5	12.6	31.5	15.4	16.2	10.3	19.8	42.4	25.8	27.6
750 to 999 lb	30.7	20.2	26.8	20.9	28.0	19.8	24.0	S	26.1	27.0
1,000 to 9,999 lb	10.0	9.5	18.0	19.7	11.0	11.9	10.0	27.3	17.0	17.0
10,000 to 49,999 lb	8.1	5.9	7.9	7.8	11.0	7.4	12.8	20.1	14.0	14.8
50,000 to 99,999 lb	7.4	8.9	9.5	10.8	17.2	20.9	18.3	13.1	13.1	11.4
100,000 lb or more	8.4	5.7	7.0	5.5	27.2	29.7	28.6	21.4	21.5	20.6
SCTG 05, Meat, fish, seafood, and their preparations	7.3	6.4	8.5	23.0	7.9	8.1	7.3	12.8	12.7	11.5
Less than 50 lb	29.9	24.2	29.2	S	32.9	25.8	23.6	29.7	28.7	27.1
50 to 99 lb	31.3	23.5	21.9	S	31.6	24.7	21.6	46.7	29.8	30.9
100 to 499 lb	17.4	11.8	7.7	17.9	19.7	13.8	14.5	19.9	13.6	12.7
500 to 749 lb	9.1	13.2	10.9	12.9	14.6	17.7	22.4	14.7	15.5	16.1
750 to 999 lb	7.5	10.2	10.0	22.9	15.9	15.7	14.1	11.6	16.4	19.4
1,000 to 9,999 lb	8.8	7.8	9.1	5.4	13.2	10.2	9.8	9.8	12.1	11.8
10,000 to 49,999 lb	7.4	7.1	9.9	5.8	6.3	10.4	7.5	18.5	17.1	16.1
50,000 to 99,999 lb	20.4	18.0	34.0	17.7	S	40.2	S	41.9	36.7	35.9
100,000 lb or more	20.4	14.1	21.1	17.7	27.5	24.9	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	5.5	6.2	9.3	33.3	7.0	7.9	14.8	9.4	8.3	7.9
Less than 50 lb	41.1	15.1	42.3	44.8	15.6	19.4	27.5	29.7	35.5	39.1
50 to 99 lb	21.7	27.0	19.8	24.3	25.5	30.0	36.4	34.2	33.0	34.8
100 to 499 lb	21.6	20.9	14.9	25.4	24.8	24.4	28.6	27.5	25.5	26.3
500 to 749 lb	16.0	15.7	13.0	11.5	19.4	21.5	19.1	26.2	14.9	13.7
750 to 999 lb	16.9	10.7	12.6	12.3	22.7	16.1	13.0	21.9	13.9	13.7
1,000 to 9,999 lb	13.0	11.7	15.1	6.4	12.5	10.3	9.4	13.7	12.0	12.4
10,000 to 49,999 lb	8.1	6.6	7.9	3.0	5.6	8.2	10.5	17.3	13.9	13.6
50,000 to 99,999 lb	16.5	14.9	16.7	25.0	38.9	32.4	S	33.2	37.0	37.6
100,000 lb or more	10.4	12.1	13.8	2.5	30.4	28.0	35.6	S	29.5	26.5

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	2.3	3.1	3.9	16.0	3.5	4.7	4.6	6.6	8.7	8.7
Less than 50 lb	14.6	12.8	23.1	25.4	20.7	15.9	14.5	31.6	30.6	30.3
50 to 99 lb	12.9	12.5	14.1	19.9	16.9	13.0	13.5	37.2	29.6	31.0
100 to 499 lb	5.7	10.9	7.7	9.4	9.8	12.0	12.7	18.5	17.9	17.8
500 to 749 lb	5.6	12.8	10.0	10.4	8.1	14.4	14.3	14.1	17.6	19.0
750 to 999 lb	10.9	11.9	17.0	15.8	13.8	13.7	15.7	13.7	21.5	19.9
1,000 to 9,999 lb	5.8	6.9	7.3	8.7	8.8	9.0	10.1	11.5	13.1	12.5
10,000 to 49,999 lb	3.5	3.9	4.6	2.6	3.8	2.8	4.4	6.4	11.7	12.0
50,000 to 99,999 lb	8.1	8.3	11.6	11.1	10.3	10.0	11.7	19.8	21.7	19.7
100,000 lb or more	5.8	7.6	6.4	3.7	15.8	18.9	30.2	28.9	28.5	30.5
SCTG 08, Alcoholic beverages	2.7	4.7	16.8	5.8	4.5	5.0	5.9	10.1	10.8	11.4
Less than 50 lb	9.6	7.6	14.8	8.5	9.8	8.3	9.1	15.9	17.0	17.1
50 to 99 lb	13.9	8.5	12.9	7.8	13.4	8.3	7.9	19.9	22.5	23.6
100 to 499 lb	6.7	4.7	6.2	5.2	6.9	5.0	6.1	17.3	18.1	18.5
500 to 749 lb	4.1	5.7	6.4	6.8	4.8	6.0	5.7	18.3	19.7	20.0
750 to 999 lb	7.9	6.7	7.8	5.3	9.2	7.2	9.3	19.0	14.2	13.8
1,000 to 9,999 lb	7.5	7.2	8.0	4.9	6.9	7.1	8.8	23.3	22.6	21.7
10,000 to 49,999 lb	11.9	11.1	14.7	8.3	10.8	11.7	13.7	24.1	22.7	22.7
50,000 to 99,999 lb	18.2	16.7	26.0	13.2	27.6	28.8	44.3	27.0	28.6	30.4
100,000 lb or more	19.9	20.7	31.4	16.2	45.4	27.1	34.2	S	S	S
SCTG 09, Tobacco products	5.1	14.2	26.8	10.4	6.3	11.9	15.1	6.4	21.8	20.9
Less than 50 lb	11.4	9.5	12.4	8.9	11.4	10.4	8.8	17.9	14.3	13.0
50 to 99 lb	7.4	9.1	18.6	18.7	12.9	13.5	10.5	20.0	16.5	16.0
100 to 499 lb	8.2	7.0	17.6	13.2	9.1	9.4	9.7	9.6	12.4	11.7
500 to 749 lb	14.7	11.3	26.6	26.5	21.0	13.9	20.0	27.2	24.8	24.6
750 to 999 lb	16.2	18.9	29.1	20.5	18.4	20.4	27.4	23.6	28.3	26.1
1,000 to 9,999 lb	12.4	19.8	37.9	19.2	19.3	27.5	31.6	22.3	23.0	22.9
10,000 to 49,999 lb	S	S	S	27.7	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	26.0	24.8	25.8	S	36.4	31.2	24.8	S	S	S
Less than 50 lb	34.8	32.9	S	38.7	35.9	37.8	S	S	S	S
50 to 99 lb	S	S	49.3	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	38.1	38.1	37.4	38.7	S	S	S	S	S	S
750 to 999 lb	41.2	47.7	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.3	32.0	30.6	47.9	35.8	46.6	43.2	42.8	S	S
10,000 to 49,999 lb	32.6	38.4	28.0	46.8	37.0	S	46.7	S	S	S
50,000 to 99,999 lb	S	34.7	33.2	37.6	S	37.0	35.3	—	—	—
100,000 lb or more	S	40.2	43.3	30.7	S	42.8	S	S	S	S
SCTG 11, Natural sands	21.4	24.3	13.8	20.2	29.3	27.2	31.9	14.0	15.0	14.1
Less than 50 lb	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	35.5	42.0	40.3	28.0	35.9	42.5	41.8	S	S	S
100 to 499 lb	S	29.7	32.5	31.1	S	32.7	35.2	S	S	S
500 to 749 lb	S	31.5	27.7	S	S	33.5	34.1	S	41.8	42.5
750 to 999 lb	48.0	31.6	34.3	S	S	36.2	48.8	S	S	S
1,000 to 9,999 lb	38.9	14.7	23.9	15.5	S	14.7	19.3	S	41.6	41.7
10,000 to 49,999 lb	28.2	31.7	31.5	45.7	32.0	34.2	42.4	15.1	27.0	25.2
50,000 to 99,999 lb	24.1	32.3	23.7	14.7	30.4	35.9	35.4	15.5	22.0	21.9
100,000 lb or more	21.9	36.7	21.6	39.1	45.0	47.6	S	26.7	33.7	33.5
SCTG 12, Gravel and crushed stone	5.4	5.3	11.7	14.7	6.2	6.8	10.1	12.8	14.0	14.5
Less than 50 lb	S	S	S	26.7	S	S	S	—	—	—
50 to 99 lb	S	S	S	30.6	S	S	S	S	S	S
100 to 499 lb	45.6	18.5	S	S	S	22.3	18.5	S	S	S
500 to 749 lb	S	24.8	S	42.8	S	27.2	S	S	S	S
750 to 999 lb	S	S	41.0	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	12.3	17.6	19.4	S	12.6	17.4	42.1	37.7	38.9
10,000 to 49,999 lb	5.7	8.2	16.0	19.5	6.4	8.8	14.8	15.9	17.6	16.7
50,000 to 99,999 lb	10.8	8.3	9.9	6.4	12.2	9.2	8.8	21.4	23.4	23.0
100,000 lb or more	12.3	15.1	16.9	23.6	16.7	17.1	15.8	31.4	34.6	35.4
SCTG 13, Nonmetallic minerals n.e.c.	29.3	22.0	19.2	23.0	25.1	27.0	27.2	S	18.7	21.3
Less than 50 lb	28.7	21.8	S	23.9	40.4	16.3	29.5	S	S	S
50 to 99 lb	22.5	26.9	46.9	S	30.8	29.4	33.7	S	S	S
100 to 499 lb	46.3	21.4	33.9	16.9	S	18.9	34.6	41.5	S	S
500 to 749 lb	30.4	S	S	27.9	42.2	S	S	S	39.3	42.2
750 to 999 lb	36.1	29.8	45.4	26.1	S	28.4	28.0	S	S	S
1,000 to 9,999 lb	28.2	21.5	17.7	42.5	28.0	28.6	46.8	S	34.0	39.0
10,000 to 49,999 lb	37.7	31.4	14.2	48.7	32.3	35.4	40.4	S	24.8	25.8
50,000 to 99,999 lb	30.7	25.6	18.6	42.7	20.1	31.7	32.4	S	22.6	21.1
100,000 lb or more	16.2	19.2	26.7	13.2	33.0	31.4	49.4	30.6	35.9	39.6

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	11.3	15.1	22.2	15.3	21.7	28.0	33.6	16.2	38.9	38.4
Less than 50 lb	36.4	37.0	S	31.2	S	S	S	S	S	S
50 to 99 lb	28.6	18.7	46.3	37.4	S	44.9	45.4	S	S	S
100 to 499 lb	32.6	25.4	33.7	16.0	23.0	28.4	34.2	S	35.6	37.3
500 to 749 lb	25.1	18.7	23.3	S	47.1	30.4	30.5	S	S	S
750 to 999 lb	42.1	30.8	41.8	43.9	46.2	48.2	S	S	S	S
1,000 to 9,999 lb	34.2	35.0	30.3	33.9	32.7	S	S	S	27.4	28.4
10,000 to 49,999 lb	11.9	21.6	36.1	21.1	35.1	22.7	32.4	30.3	36.5	35.4
50,000 to 99,999 lb	46.9	S	S	26.2	S	31.7	37.3	S	49.3	46.4
100,000 lb or more	14.8	15.4	22.2	13.7	24.9	28.4	33.8	30.3	41.1	40.6
SCTG 15, Coal	12.1	12.6	13.9	11.2	12.6	14.6	8.9	20.4	21.0	23.0
Less than 50 lb	S	S	S	33.2	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	29.6	S	S	S	S	S	S
750 to 999 lb	S	S	S	31.6	S	S	S	—	—	—
1,000 to 9,999 lb	S	34.2	S	29.5	S	31.7	39.4	—	—	—
10,000 to 49,999 lb	21.2	28.2	22.3	15.0	30.1	34.9	30.1	33.7	40.2	40.7
50,000 to 99,999 lb	29.5	29.4	33.7	13.2	33.7	32.3	24.2	40.5	48.4	S
100,000 lb or more	12.1	12.1	14.4	21.4	14.6	14.5	9.3	23.2	21.7	22.1
SCTG 17, Gasoline and aviation turbine fuel	11.1	9.4	18.0	12.2	14.3	10.4	17.1	20.3	23.8	24.2
Less than 50 lb	31.6	35.6	S	27.3	32.9	35.6	S	S	S	S
50 to 99 lb	37.6	37.7	49.6	30.5	37.6	37.5	S	S	S	S
100 to 499 lb	S	16.5	16.7	13.4	S	17.0	20.1	S	S	S
500 to 749 lb	18.9	15.4	12.7	10.2	19.9	15.6	13.3	S	S	S
750 to 999 lb	26.7	22.4	27.0	10.9	26.8	22.6	28.2	48.7	48.9	49.0
1,000 to 9,999 lb	20.8	14.4	24.1	8.8	21.9	15.1	29.0	32.0	22.4	23.2
10,000 to 49,999 lb	11.6	13.1	14.5	6.4	10.9	12.8	12.5	23.4	25.2	25.7
50,000 to 99,999 lb	22.3	17.2	16.3	9.8	27.2	20.3	26.1	28.8	29.6	29.7
100,000 lb or more	13.1	14.3	32.3	37.4	11.1	12.0	23.4	S	43.7	44.5
SCTG 18, Fuel oils	7.4	7.7	26.4	11.6	9.3	10.1	11.7	14.3	15.1	14.9
Less than 50 lb	38.7	S	S	27.4	31.0	49.8	S	S	S	S
50 to 99 lb	24.9	36.1	S	21.6	22.3	23.9	33.7	S	S	S
100 to 499 lb	17.9	13.2	20.9	13.9	18.6	13.8	22.0	26.5	32.2	33.7
500 to 749 lb	23.3	23.0	21.1	10.1	23.3	23.0	21.7	—	—	—
750 to 999 lb	15.9	18.3	10.0	11.3	16.2	18.5	11.0	S	S	S
1,000 to 9,999 lb	9.0	11.9	9.5	6.8	10.0	12.6	11.7	29.9	18.9	18.7
10,000 to 49,999 lb	11.3	10.5	16.7	7.7	12.0	10.8	10.7	22.2	19.1	20.7
50,000 to 99,999 lb	13.4	12.6	18.2	7.9	13.4	12.1	12.2	23.5	23.6	24.2
100,000 lb or more	12.8	13.1	S	28.7	18.0	18.0	26.4	46.0	41.3	37.4
SCTG 19, Coal and petroleum products, n.e.c.	10.0	14.1	20.2	18.5	15.9	20.2	25.7	21.3	17.5	14.4
Less than 50 lb	12.5	9.9	26.3	40.8	13.3	15.5	15.6	24.6	25.1	25.1
50 to 99 lb	12.7	11.2	30.3	41.9	10.3	15.7	25.6	25.3	31.8	35.5
100 to 499 lb	20.6	13.2	16.5	13.3	26.1	15.1	19.9	21.7	22.7	22.7
500 to 749 lb	16.4	14.6	41.5	32.6	17.9	17.2	14.9	38.1	43.9	42.7
750 to 999 lb	10.7	13.3	21.3	25.5	12.5	16.0	15.3	49.8	S	S
1,000 to 9,999 lb	17.2	11.7	20.6	14.8	12.3	9.9	13.1	18.7	19.3	20.5
10,000 to 49,999 lb	10.2	15.8	21.3	18.0	15.1	19.6	24.4	19.3	21.8	20.9
50,000 to 99,999 lb	16.5	22.0	21.5	25.1	26.3	29.7	49.3	26.2	26.4	26.8
100,000 lb or more	18.2	19.0	24.1	16.3	42.9	33.5	32.5	S	38.7	36.7
SCTG 20, Basic chemicals	5.3	13.7	20.2	20.3	6.2	17.3	28.5	9.4	17.6	19.1
Less than 50 lb	19.8	28.8	30.7	16.5	20.5	29.8	26.3	28.8	30.2	29.9
50 to 99 lb	11.7	24.9	24.1	24.5	20.4	27.3	26.4	26.0	23.4	24.8
100 to 499 lb	15.0	34.5	17.8	S	20.0	39.2	41.6	34.0	47.9	45.0
500 to 749 lb	15.9	23.2	27.4	35.3	20.3	28.3	32.4	24.0	35.2	33.1
750 to 999 lb	41.3	24.2	12.4	S	18.9	29.1	26.1	36.9	21.6	21.0
1,000 to 9,999 lb	8.5	15.4	11.0	21.4	13.6	19.0	19.2	12.6	14.3	14.1
10,000 to 49,999 lb	7.2	19.7	10.5	10.5	11.5	29.2	39.1	13.2	21.7	23.2
50,000 to 99,999 lb	12.0	22.4	37.0	28.3	42.0	43.6	49.5	38.3	39.5	38.5
100,000 lb or more	14.8	24.7	30.8	10.7	47.7	S	26.3	S	43.6	45.2
SCTG 21, Pharmaceutical products	11.3	12.9	18.4	7.6	11.6	15.8	15.9	7.3	11.0	11.0
Less than 50 lb	8.3	10.9	11.8	8.0	12.5	16.2	16.0	11.2	10.9	8.8
50 to 99 lb	12.7	16.3	12.3	12.9	23.6	23.7	21.4	28.7	25.7	26.6
100 to 499 lb	15.5	8.7	10.8	9.0	16.4	16.2	13.7	13.9	14.0	13.4
500 to 749 lb	26.1	13.1	11.7	9.6	42.4	29.5	29.4	40.8	15.8	14.6
750 to 999 lb	26.3	14.7	15.6	15.6	30.9	16.7	21.8	S	36.6	35.3
1,000 to 9,999 lb	22.5	15.7	15.3	3.7	14.2	18.2	22.2	18.5	22.2	22.1
10,000 to 49,999 lb	18.2	22.4	32.5	10.0	31.7	32.9	36.9	S	S	S
50,000 to 99,999 lb	S	S	S	33.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	31.6	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	21.4	26.1	44.8	17.9	11.5	15.1	25.2	40.1	37.4	35.2
Less than 50 lb	46.4	31.5	48.6	18.5	46.9	S	38.4	S	S	S
50 to 99 lb	35.4	26.4	46.8	34.7	S	35.7	34.4	47.6	48.2	49.3
100 to 499 lb	26.6	16.1	13.8	30.3	23.0	17.1	22.9	S	22.2	25.5
500 to 749 lb	22.2	34.8	30.9	25.4	25.6	39.8	45.6	43.0	29.4	29.2
750 to 999 lb	31.0	27.9	24.0	22.6	38.8	29.3	39.2	S	46.9	44.3
1,000 to 9,999 lb	15.1	15.0	8.3	12.4	16.8	15.5	13.3	22.0	25.7	21.0
10,000 to 49,999 lb	23.3	26.0	49.9	17.4	12.8	14.3	22.1	48.1	48.5	45.7
50,000 to 99,999 lb	28.1	34.3	23.1	17.7	34.5	44.8	S	33.0	27.3	24.1
100,000 lb or more	42.0	38.2	49.2	14.2	35.9	32.2	33.7	S	39.1	41.4
SCTG 23, Chemical products and preparations, n.e.c.	6.1	7.9	5.5	9.0	13.2	17.3	16.0	9.4	9.9	11.2
Less than 50 lb	9.6	10.1	15.1	11.5	7.0	10.3	12.0	19.1	23.6	22.9
50 to 99 lb	11.4	7.6	10.6	15.3	16.3	13.5	14.8	35.0	31.2	29.2
100 to 499 lb	8.1	8.7	11.9	13.6	10.5	11.8	10.6	21.0	11.3	13.1
500 to 749 lb	30.7	12.0	13.4	12.0	45.4	17.7	16.9	21.1	15.3	15.6
750 to 999 lb	24.9	19.2	12.5	12.8	44.1	29.4	36.6	20.3	29.6	30.5
1,000 to 9,999 lb	10.8	10.5	7.7	5.7	14.6	14.3	14.9	12.6	6.8	6.9
10,000 to 49,999 lb	6.9	9.6	6.9	4.4	13.4	21.3	21.2	11.4	14.4	15.9
50,000 to 99,999 lb	18.8	19.7	42.2	20.3	30.2	22.4	24.7	44.8	47.5	47.4
100,000 lb or more	9.8	11.5	8.0	17.0	34.9	45.6	S	S	S	S
SCTG 24, Plastics and rubber	3.4	2.4	2.4	8.2	4.8	5.8	6.4	4.5	5.8	6.2
Less than 50 lb	6.8	12.6	21.0	8.9	8.5	5.9	4.7	10.5	8.8	8.7
50 to 99 lb	4.8	5.4	7.3	3.7	5.2	7.0	6.5	10.7	8.9	8.6
100 to 499 lb	5.3	5.8	4.0	4.7	8.6	8.0	8.1	8.9	8.3	8.1
500 to 749 lb	8.3	6.1	7.3	4.5	9.1	7.7	7.8	6.5	6.9	7.2
750 to 999 lb	7.7	6.9	8.6	4.7	10.3	12.1	10.8	10.6	12.1	12.9
1,000 to 9,999 lb	4.6	6.1	6.2	3.2	8.5	13.9	11.1	10.0	11.6	11.3
10,000 to 49,999 lb	4.6	2.6	3.6	4.3	10.0	6.3	7.2	11.8	8.9	9.4
50,000 to 99,999 lb	31.3	19.8	37.2	13.8	S	45.9	S	S	42.9	39.2
100,000 lb or more	12.7	14.6	13.4	6.2	24.1	24.0	35.5	27.0	27.3	24.8
SCTG 25, Logs and other wood in the rough	11.2	30.3	22.4	24.1	26.1	29.6	S	27.1	46.5	49.3
Less than 50 lb	S	S	S	26.5	S	S	S	S	S	S
50 to 99 lb	39.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	37.4	S	S	S	42.0	S	S	S	S	S
500 to 749 lb	38.1	30.5	41.7	50.0	S	S	S	S	S	S
750 to 999 lb	47.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.6	44.4	30.1	S	35.7	S	S	S	35.0	37.3
10,000 to 49,999 lb	15.7	23.5	26.8	18.2	21.3	22.2	37.1	42.4	41.9	42.5
50,000 to 99,999 lb	29.2	44.9	46.7	24.6	24.3	43.1	S	43.3	S	S
100,000 lb or more	21.4	35.9	37.6	49.6	37.9	S	47.3	40.2	S	S
SCTG 26, Wood products	6.1	11.2	8.2	15.5	6.6	19.7	23.1	8.6	13.5	11.1
Less than 50 lb	13.5	10.4	18.3	8.7	9.2	9.1	9.7	14.8	12.4	13.9
50 to 99 lb	7.2	22.0	S	24.9	6.4	5.5	9.1	28.7	25.0	23.6
100 to 499 lb	13.1	10.4	6.4	9.9	15.5	13.5	15.5	16.2	14.2	14.4
500 to 749 lb	11.5	8.6	9.5	10.4	12.5	11.1	9.7	13.4	16.4	15.8
750 to 999 lb	9.5	12.0	12.8	15.9	15.6	18.4	28.7	17.9	20.9	21.1
1,000 to 9,999 lb	6.0	34.0	9.5	16.1	8.8	46.0	S	10.7	12.2	11.5
10,000 to 49,999 lb	8.0	11.6	13.3	4.2	9.9	14.2	11.9	9.7	20.9	16.6
50,000 to 99,999 lb	7.1	12.2	10.4	16.3	15.7	15.3	19.5	17.8	24.5	25.2
100,000 lb or more	12.4	18.9	6.9	19.2	29.0	30.4	S	25.6	35.9	36.9
SCTG 27, Pulp, newsprint, paper, and paperboard	7.9	28.0	10.0	12.5	6.2	9.5	14.6	9.4	S	S
Less than 50 lb	14.1	11.3	23.1	21.7	12.7	11.3	11.8	13.7	13.8	17.9
50 to 99 lb	16.0	15.4	36.0	19.7	19.8	14.2	14.3	20.7	19.6	18.4
100 to 499 lb	10.6	11.7	30.8	16.9	8.0	8.3	9.9	22.7	20.1	21.2
500 to 749 lb	11.6	13.6	34.7	16.3	11.9	12.9	13.5	15.6	12.6	14.8
750 to 999 lb	14.0	12.1	21.0	14.0	20.7	12.6	12.8	42.5	25.1	24.0
1,000 to 9,999 lb	13.0	10.8	14.1	7.4	9.4	11.0	12.2	10.2	25.0	29.4
10,000 to 49,999 lb	8.9	8.9	10.4	5.7	14.1	19.6	22.5	11.2	15.7	18.2
50,000 to 99,999 lb	11.6	13.3	16.5	10.7	29.0	22.4	29.7	S	S	S
100,000 lb or more	8.1	S	19.4	S	28.9	28.2	32.0	42.0	S	S
SCTG 28, Paper or paperboard articles	5.2	4.0	6.3	8.3	7.7	6.7	7.5	4.5	5.8	6.8
Less than 50 lb	19.2	11.4	19.0	10.7	19.3	15.3	15.4	20.9	15.8	15.0
50 to 99 lb	9.6	10.1	18.7	13.5	15.8	14.3	12.9	41.7	21.4	20.9
100 to 499 lb	5.7	4.7	7.6	8.7	8.8	8.5	9.1	11.4	11.2	10.6
500 to 749 lb	12.5	7.4	13.3	11.0	9.5	8.9	9.7	12.0	11.4	11.7
750 to 999 lb	8.2	7.5	15.4	12.2	10.0	9.5	11.1	14.6	13.1	12.8
1,000 to 9,999 lb	8.0	5.7	11.0	6.4	15.9	7.8	8.7	7.0	7.2	7.5
10,000 to 49,999 lb	5.0	5.7	7.7	6.7	7.3	12.5	11.8	7.6	7.2	8.2
50,000 to 99,999 lb	23.8	31.6	33.7	47.4	30.7	37.7	45.7	S	39.6	36.4
100,000 lb or more	19.0	33.8	S	25.7	28.9	40.9	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.8	7.3	14.6	12.0	5.8	9.4	7.6	8.7	10.6	11.4
Less than 50 lb	10.2	10.2	26.5	12.5	10.1	10.5	12.3	17.8	11.7	12.3
50 to 99 lb	14.0	8.7	17.7	14.3	7.9	11.1	15.9	23.6	18.1	16.2
100 to 499 lb	16.2	10.2	19.0	12.6	7.5	12.1	11.6	12.8	26.3	26.5
500 to 749 lb	14.6	17.7	22.6	15.4	20.8	24.4	37.1	15.8	23.5	22.3
750 to 999 lb	11.9	13.4	25.2	18.1	14.7	21.4	19.1	14.4	26.1	23.7
1,000 to 9,999 lb	7.7	13.1	31.7	13.0	10.1	13.9	12.9	11.9	11.3	11.3
10,000 to 49,999 lb	5.2	7.0	7.2	6.3	9.2	16.0	13.7	22.3	20.1	20.5
50,000 to 99,999 lb	20.7	18.3	29.7	33.1	48.5	34.3	35.6	46.2	39.2	40.7
100,000 lb or more	18.1	43.6	S	23.2	24.5	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	10.0	9.9	18.3	4.9	13.7	10.7	13.5	10.9	16.8	16.0
Less than 50 lb	7.1	7.4	11.0	4.9	12.2	14.6	13.2	13.6	11.1	12.2
50 to 99 lb	29.0	19.2	23.7	6.8	11.7	12.3	15.2	13.8	12.7	14.4
100 to 499 lb	13.0	8.7	7.8	6.1	16.5	16.2	17.7	21.4	13.5	15.2
500 to 749 lb	9.7	9.7	7.4	11.3	25.0	19.0	23.5	42.4	35.0	44.4
750 to 999 lb	14.0	12.9	13.9	12.5	30.4	25.5	23.6	21.2	25.9	26.8
1,000 to 9,999 lb	17.5	13.0	14.1	9.2	17.3	15.9	18.2	19.1	16.1	17.1
10,000 to 49,999 lb	27.2	26.2	37.3	10.7	42.8	24.7	28.1	33.4	38.4	32.9
50,000 to 99,999 lb	34.5	41.5	45.9	30.3	S	S	S	S	S	S
100,000 lb or more	S	S	S	31.2	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	1.6	33.3	13.9	18.7	5.3	43.2	49.8	7.0	9.3	10.7
Less than 50 lb	19.0	22.1	32.0	15.4	42.3	23.1	24.4	36.7	22.2	21.4
50 to 99 lb	14.5	12.5	24.7	16.7	17.1	13.4	14.5	40.8	23.9	22.9
100 to 499 lb	16.7	15.0	17.2	16.0	29.9	20.6	32.2	35.5	26.7	27.6
500 to 749 lb	15.5	23.6	14.9	24.3	27.3	34.6	49.4	27.3	28.9	31.5
750 to 999 lb	13.0	13.2	14.8	18.3	18.1	15.5	16.9	24.2	18.1	19.0
1,000 to 9,999 lb	6.8	19.6	6.6	10.3	9.1	22.8	16.7	10.4	11.8	11.6
10,000 to 49,999 lb	2.4	6.2	9.5	16.8	5.6	9.0	12.5	6.1	13.2	12.8
50,000 to 99,999 lb	6.6	20.4	10.5	10.9	10.3	35.1	26.4	10.8	10.5	10.7
100,000 lb or more	32.9	S	29.8	S	S	S	S	32.8	32.7	37.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	4.4	10.5	5.7	12.0	5.0	19.5	7.5	4.5	15.5	13.2
Less than 50 lb	15.3	12.2	14.1	17.6	20.8	15.2	16.7	16.2	17.5	17.9
50 to 99 lb	12.2	12.2	9.2	13.1	17.4	14.9	15.5	24.5	19.8	18.5
100 to 499 lb	9.8	10.3	9.0	8.0	11.7	13.1	11.6	10.7	16.2	17.0
500 to 749 lb	10.7	11.8	10.7	7.8	10.5	13.2	12.3	19.1	22.9	20.8
750 to 999 lb	13.4	9.6	9.9	10.9	12.9	11.6	14.4	17.0	26.4	24.5
1,000 to 9,999 lb	4.9	10.6	6.2	4.6	6.5	13.2	14.4	10.6	12.8	13.0
10,000 to 49,999 lb	6.6	11.8	9.0	4.8	7.9	21.1	9.4	4.3	8.6	8.2
50,000 to 99,999 lb	9.5	16.1	9.5	10.9	7.3	26.3	15.9	27.8	24.4	20.4
100,000 lb or more	10.1	10.5	11.9	8.4	12.7	14.1	15.5	11.3	46.5	36.8
SCTG 33, Articles of base metal	4.5	13.4	20.7	11.4	8.0	10.4	15.2	9.1	11.2	10.4
Less than 50 lb	8.0	10.8	30.9	13.2	7.2	8.0	7.8	10.5	11.0	10.7
50 to 99 lb	27.0	17.0	28.4	7.9	10.6	10.9	11.2	11.9	12.3	12.7
100 to 499 lb	13.0	10.7	16.9	9.8	10.6	11.3	10.4	12.0	13.8	13.0
500 to 749 lb	17.8	15.1	12.6	6.4	22.2	20.4	24.4	11.6	10.5	11.3
750 to 999 lb	16.7	15.4	12.2	8.2	22.6	22.3	24.1	26.6	28.8	26.0
1,000 to 9,999 lb	10.1	17.0	22.1	7.4	14.6	18.3	19.7	13.2	8.2	7.7
10,000 to 49,999 lb	3.2	22.3	36.0	8.1	8.5	15.7	24.9	17.7	17.5	16.4
50,000 to 99,999 lb	16.7	14.5	26.6	18.9	24.5	18.3	20.4	45.3	49.3	43.9
100,000 lb or more	17.8	21.7	27.6	9.4	39.4	49.2	46.8	S	S	S
SCTG 34, Machinery	3.6	5.0	9.2	6.1	6.6	4.8	5.7	5.2	17.2	17.4
Less than 50 lb	7.2	11.1	13.8	7.0	11.4	11.6	10.0	8.2	12.9	13.3
50 to 99 lb	6.3	8.0	9.0	8.4	11.7	14.9	15.0	15.8	15.5	14.4
100 to 499 lb	2.9	4.8	6.0	5.4	6.6	8.0	7.1	10.0	20.7	19.6
500 to 749 lb	16.7	26.5	S	18.8	20.2	14.3	16.0	27.9	14.5	14.4
750 to 999 lb	8.9	7.7	11.1	7.3	11.2	15.4	16.1	14.6	14.4	14.8
1,000 to 9,999 lb	3.2	3.8	6.1	4.6	7.9	9.6	11.2	9.5	8.1	8.7
10,000 to 49,999 lb	4.7	4.7	9.1	4.1	10.4	6.9	8.3	13.6	10.6	11.9
50,000 to 99,999 lb	17.1	31.0	25.6	17.1	33.1	44.2	46.8	S	S	S
100,000 lb or more	25.8	25.6	38.0	13.6	38.8	39.0	S	47.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	4.1	4.2	5.9	5.3	5.6	6.5	8.2	6.4	6.6	6.2
Less than 50 lb	4.7	5.1	7.5	5.2	6.4	7.3	9.0	8.4	12.1	11.2
50 to 99 lb	9.1	7.5	14.1	9.0	20.7	7.3	10.2	14.0	12.2	11.8
100 to 499 lb	9.8	10.5	15.0	8.8	8.1	11.8	13.8	8.7	10.3	10.2
500 to 749 lb	10.5	13.5	15.8	5.9	18.4	18.1	18.3	32.3	30.7	31.3
750 to 999 lb	11.8	9.5	13.1	9.3	29.4	15.1	19.3	31.1	37.7	32.2
1,000 to 9,999 lb	7.2	5.0	6.0	5.1	9.3	6.5	9.0	13.7	10.5	11.2
10,000 to 49,999 lb	9.8	5.4	7.3	5.2	20.3	21.0	21.1	16.8	7.5	8.1
50,000 to 99,999 lb	27.9	32.4	32.4	13.0	S	46.0	S	S	S	S
100,000 lb or more	33.9	S	39.4	25.3	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	5.3	6.2	5.1	11.4	9.0	10.4	7.9	8.2	8.2	7.1
Less than 50 lb	7.2	7.7	12.4	13.6	11.7	16.9	11.6	20.2	8.4	8.2
50 to 99 lb	5.0	4.4	11.0	10.8	9.4	9.1	9.7	18.3	12.2	12.0
100 to 499 lb	10.8	6.1	9.8	7.3	16.4	10.2	8.9	17.1	10.8	11.8
500 to 749 lb	11.0	14.1	18.7	5.8	12.2	13.8	13.6	25.3	10.3	10.6
750 to 999 lb	15.2	11.3	12.4	8.3	25.1	14.3	18.3	36.3	12.4	15.5
1,000 to 9,999 lb	8.3	4.9	4.3	6.2	17.7	15.5	10.5	13.0	8.0	8.7
10,000 to 49,999 lb	7.2	5.8	5.4	4.4	8.1	12.6	7.6	13.9	10.8	9.9
50,000 to 99,999 lb	15.3	7.8	8.0	7.7	29.7	29.2	28.1	24.7	24.0	23.7
100,000 lb or more	28.9	38.2	42.3	17.5	46.3	46.3	S	46.0	44.2	48.6
SCTG 37, Transportation equipment, n.e.c.	12.1	15.0	22.7	4.5	22.8	30.5	34.7	30.8	25.6	27.9
Less than 50 lb	14.6	16.9	24.6	4.3	24.4	26.7	28.0	18.1	23.9	23.8
50 to 99 lb	22.0	16.5	15.3	11.5	47.4	30.5	33.6	S	S	S
100 to 499 lb	21.6	19.6	21.6	8.0	36.2	33.6	27.2	S	44.2	46.2
500 to 749 lb	23.1	22.7	27.3	11.6	41.8	34.5	32.3	S	S	S
750 to 999 lb	48.5	33.1	25.3	23.6	S	41.2	37.4	S	S	S
1,000 to 9,999 lb	29.2	17.8	33.5	7.8	26.6	27.0	29.0	28.6	24.4	20.4
10,000 to 49,999 lb	14.4	19.7	24.1	14.4	46.3	31.1	23.7	S	49.8	S
50,000 to 99,999 lb	S	S	47.8	S	S	S	S	—	—	—
100,000 lb or more	33.4	38.4	S	18.4	41.5	41.5	42.0	S	S	S
SCTG 38, Precision instruments and apparatus	5.2	6.5	7.1	7.3	13.7	22.1	29.4	14.7	22.8	20.5
Less than 50 lb	5.9	12.1	11.2	7.3	13.2	29.2	17.8	16.3	14.6	17.0
50 to 99 lb	8.3	16.9	25.7	11.7	20.1	33.7	41.4	13.1	22.5	22.2
100 to 499 lb	17.2	12.7	9.9	11.5	29.0	31.1	24.7	28.9	22.6	19.9
500 to 749 lb	16.6	18.8	16.2	13.7	21.2	22.7	30.3	S	43.0	44.5
750 to 999 lb	19.4	18.1	15.9	13.9	21.3	29.7	26.7	43.5	S	44.6
1,000 to 9,999 lb	8.1	19.8	12.5	12.7	22.5	42.4	S	30.5	S	45.5
10,000 to 49,999 lb	20.3	14.4	17.4	6.6	S	S	S	34.9	42.6	38.1
50,000 to 99,999 lb	S	S	S	31.6	—	—	—	—	—	—
100,000 lb or more	S	S	S	29.8	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5.8	9.2	13.8	9.3	7.5	10.6	16.8	10.3	15.3	16.2
Less than 50 lb	12.5	20.3	28.0	12.9	8.6	8.3	7.1	12.7	13.5	13.8
50 to 99 lb	7.8	14.9	22.8	8.4	13.2	13.8	10.2	25.5	14.8	14.7
100 to 499 lb	8.7	10.3	18.7	10.3	13.6	9.0	11.4	34.8	18.3	19.5
500 to 749 lb	9.5	7.5	13.7	7.8	14.4	11.9	13.3	21.3	22.7	22.5
750 to 999 lb	7.0	6.7	9.2	7.4	18.4	17.8	14.9	17.9	18.9	21.1
1,000 to 9,999 lb	6.0	6.7	10.0	5.8	10.5	9.7	9.9	12.7	16.6	16.6
10,000 to 49,999 lb	11.8	20.3	25.4	13.9	13.3	14.7	25.7	25.5	25.5	26.1
50,000 to 99,999 lb	37.8	44.7	S	30.0	S	S	S	S	S	S
100,000 lb or more	41.6	39.4	47.3	33.9	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	4.5	5.2	12.7	4.3	8.4	10.9	10.7	10.6	15.5	17.1
Less than 50 lb	6.0	6.0	7.0	4.7	12.8	13.2	12.2	7.9	8.4	9.1
50 to 99 lb	5.4	4.8	8.9	6.8	7.0	11.8	9.1	12.8	6.3	6.6
100 to 499 lb	3.8	10.9	6.8	4.9	7.9	10.1	9.1	12.7	12.5	13.4
500 to 749 lb	19.4	10.1	10.1	3.9	17.1	18.3	17.4	14.9	17.3	19.6
750 to 999 lb	9.9	9.4	8.6	5.8	20.6	20.2	22.6	22.7	19.9	19.2
1,000 to 9,999 lb	6.7	6.4	6.4	3.4	7.6	9.7	9.7	7.8	11.3	12.2
10,000 to 49,999 lb	8.6	6.7	6.6	6.0	26.2	17.3	13.9	24.8	25.8	27.9
50,000 to 99,999 lb	15.9	9.7	38.7	25.7	22.2	24.3	23.6	21.2	27.4	28.9
100,000 lb or more	30.9	45.5	S	19.6	41.7	S	S	S	S	S
SCTG 41, Waste and scrap	9.8	9.5	8.8	26.2	13.4	13.0	15.2	16.3	14.9	14.1
Less than 50 lb	S	S	S	27.2	S	S	S	S	S	S
50 to 99 lb	S	S	S	45.0	S	S	S	—	—	—
100 to 499 lb	39.8	S	S	29.8	S	S	S	S	48.4	47.2
500 to 749 lb	S	S	S	44.7	S	S	S	S	S	S
750 to 999 lb	S	40.0	S	S	49.0	S	47.7	S	S	S
1,000 to 9,999 lb	15.6	34.6	27.8	38.1	22.4	38.1	S	43.3	S	S
10,000 to 49,999 lb	13.6	13.5	11.4	16.4	24.2	23.0	26.0	18.1	19.5	18.3
50,000 to 99,999 lb	7.3	16.9	20.8	14.3	9.8	16.0	11.8	21.9	15.4	17.3
100,000 lb or more	10.2	9.2	11.7	12.0	16.5	18.8	25.1	23.3	24.7	24.2
SCTG 43, Mixed freight	9.8	15.4	45.9	17.3	10.7	12.4	11.2	13.5	18.0	16.9
Less than 50 lb	29.1	28.3	S	17.9	17.2	23.8	29.6	20.2	27.3	30.1
50 to 99 lb	12.4	14.6	19.1	14.8	16.6	19.7	20.1	20.2	19.0	18.4
100 to 499 lb	15.3	20.4	12.0	20.5	18.8	27.4	23.4	14.4	17.1	17.1
500 to 749 lb	17.2	16.8	12.8	22.3	19.2	22.3	18.1	19.6	16.1	14.5
750 to 999 lb	16.2	13.6	24.1	38.2	25.8	21.5	21.8	21.5	20.9	21.7
1,000 to 9,999 lb	11.5	13.1	13.1	15.8	15.7	17.7	16.7	8.3	10.7	10.9
10,000 to 49,999 lb	13.0	12.0	14.0	12.9	13.0	12.3	12.3	19.4	24.3	22.8
50,000 to 99,999 lb	24.4	21.6	38.5	25.6	33.8	31.5	29.9	S	S	S
100,000 lb or more	S	S	S	33.7	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	13.7	35.3	S	17.2	14.3	22.9	23.7	17.1	31.1	29.8
Less than 50 lb	14.2	19.2	25.9	16.9	25.4	35.6	20.7	43.2	39.3	39.0
50 to 99 lb	29.2	18.5	33.6	25.8	29.9	25.7	23.1	S	36.8	39.5
100 to 499 lb	21.7	15.9	23.3	18.1	26.6	23.8	23.1	26.6	27.6	30.2
500 to 749 lb	32.8	23.3	22.0	21.5	S	28.8	34.1	39.5	S	S
750 to 999 lb	26.9	22.9	20.1	27.5	49.2	33.1	45.2	S	S	S
1,000 to 9,999 lb	12.8	20.2	21.8	23.2	25.8	35.9	35.1	30.4	29.7	31.3
10,000 to 49,999 lb	22.2	18.9	22.3	34.4	29.0	30.0	28.6	39.4	30.6	29.4
50,000 to 99,999 lb	38.4	35.3	47.5	19.4	40.3	31.9	36.2	S	S	S
100,000 lb or more	46.9	S	S	33.1	S	47.8	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	2.1	1.7	2.2	2.7	3.5	4.8	1.2	8.1	9.0	3.8	7.5	7.6
Less than 50 lb	4.9	4.4	4.4	4.5	6.3	6.8	4.5	5.7	5.8	3.3	11.2	10.8
50 to 99 lb	5.9	6.1	6.1	9.3	8.0	8.0	12.4	9.5	9.1	8.6	9.6	9.0
100 to 499 lb	4.3	3.1	3.1	5.8	8.0	7.3	7.0	4.2	4.3	5.0	4.3	4.5
500 to 749 lb	11.3	4.1	3.9	5.0	5.1	6.2	7.7	7.0	6.8	20.5	6.6	6.8
750 to 999 lb	7.8	2.7	2.8	8.6	5.1	4.9	7.0	3.5	3.6	10.1	7.2	7.2
1,000 to 9,999 lb	4.4	5.0	5.0	3.6	2.7	2.9	4.8	3.8	4.0	6.7	2.7	2.5
10,000 to 49,999 lb	2.1	1.6	1.6	4.2	2.7	3.1	1.8	3.1	3.0	4.2	12.5	12.9
50,000 to 99,999 lb	8.0	6.5	7.2	20.2	12.6	11.8	14.9	8.6	8.2	27.0	18.1	17.5
100,000 lb or more	15.6	5.0	5.5	7.5	6.3	7.7	5.2	12.7	13.1	8.5	8.8	8.4
SCTG 01, Live animals and live fish	30.3	29.1	38.3	30.9	32.8	33.2	38.7	34.1	34.5	S	S	S
Less than 50 lb	S	42.6	45.2	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	32.9	37.5	37.0	S	S	S	S	S	S
10,000 to 49,999 lb	30.7	28.7	37.5	45.2	42.0	42.8	35.9	38.9	39.3	S	S	S
50,000 to 99,999 lb	25.8	25.3	29.4	34.6	27.4	28.3	32.0	29.8	30.7	—	—	—
100,000 lb or more	42.1	S	48.0	S	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	13.9	15.6	18.4	18.3	18.0	17.5	13.8	23.8	24.1	14.6	15.3	14.4
Less than 50 lb	S	38.9	36.3	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	46.6	46.8	S	S	S	S	S	S
100 to 499 lb	39.1	30.5	34.1	S	S	S	S	S	S	S	S	S
500 to 749 lb	40.9	40.7	44.0	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.9	22.3	19.9	44.4	26.9	28.1	S	S	S	S	S	S
10,000 to 49,999 lb	42.9	21.7	21.7	24.1	40.6	42.5	34.1	19.0	18.6	29.1	33.3	31.3
50,000 to 99,999 lb	16.2	16.3	20.0	34.4	34.8	33.5	S	S	S	S	S	S
100,000 lb or more	22.9	21.4	24.5	19.9	19.2	18.0	15.9	25.1	25.1	16.5	15.4	14.5
SCTG 03, Other agricultural products	21.5	20.0	20.8	12.2	18.6	19.9	13.5	14.1	15.9	9.5	9.7	11.0
Less than 50 lb	31.0	31.5	30.6	49.5	S	S	42.8	S	49.1	49.0	37.0	34.4
50 to 99 lb	44.7	15.7	16.8	37.4	22.8	23.4	44.3	S	S	S	S	S
100 to 499 lb	11.7	23.7	25.5	41.8	41.7	40.6	S	42.0	42.2	46.7	46.0	43.3
500 to 749 lb	31.0	22.5	20.7	S	S	S	S	S	S	S	40.9	43.0
750 to 999 lb	42.8	29.2	33.7	47.6	36.1	39.8	49.6	47.0	45.9	S	S	S
1,000 to 9,999 lb	21.0	20.8	20.3	21.2	16.2	15.8	16.9	29.2	28.4	33.5	44.5	43.3
10,000 to 49,999 lb	41.6	26.8	26.4	21.0	38.4	38.1	15.7	40.5	39.5	20.3	25.5	25.6
50,000 to 99,999 lb	26.6	26.6	27.8	25.7	26.8	23.1	35.8	36.8	35.8	45.8	49.4	46.6
100,000 lb or more	33.5	32.8	35.4	22.9	23.4	23.3	15.8	15.6	17.1	12.3	10.5	11.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	10.9	8.5	8.8	10.2	10.8	9.3	4.5	8.7	8.8	13.4	9.1	8.7
Less than 50 lb	32.1	34.1	32.7	35.9	28.6	29.9	S	32.9	31.8	43.6	37.1	35.8
50 to 99 lb	S	S	S	32.3	34.9	35.1	S	39.6	38.8	S	30.2	29.6
100 to 499 lb	41.3	44.1	47.3	S	S	S	38.5	32.5	34.2	34.2	48.7	47.8
500 to 749 lb	S	S	S	S	S	S	25.8	27.9	29.8	S	43.6	45.3
750 to 999 lb	S	S	S	45.7	41.1	37.1	S	39.0	39.1	S	S	S
1,000 to 9,999 lb	26.4	21.3	21.5	28.3	41.8	44.6	24.2	29.8	32.3	34.9	40.1	39.5
10,000 to 49,999 lb	14.6	11.9	11.7	13.3	15.6	14.8	7.9	19.3	19.7	17.6	14.2	13.4
50,000 to 99,999 lb	6.8	5.5	5.8	16.1	17.9	18.2	35.0	32.1	32.3	24.3	31.7	34.0
100,000 lb or more	24.2	19.1	18.9	9.2	9.6	8.6	15.5	12.3	14.7	12.2	11.2	11.0
SCTG 05, Meat, fish, seafood, and their preparations	4.7	4.6	4.9	9.7	10.3	10.4	8.8	8.2	8.3	10.7	10.3	10.2
Less than 50 lb	38.5	29.0	26.5	S	47.3	S	49.5	46.3	45.2	S	S	S
50 to 99 lb	S	40.0	38.0	48.1	36.9	43.0	S	S	S	S	S	S
100 to 499 lb	9.9	7.8	8.7	26.2	24.2	23.6	25.5	17.6	17.4	24.1	22.5	23.9
500 to 749 lb	11.8	14.1	13.5	37.8	38.7	41.8	37.6	32.8	33.3	24.0	19.3	17.6
750 to 999 lb	15.5	14.4	16.3	28.1	25.2	25.2	40.7	29.6	30.1	48.3	49.3	49.0
1,000 to 9,999 lb	8.3	8.6	8.6	10.4	10.0	10.1	13.6	12.2	13.1	14.2	13.5	13.4
10,000 to 49,999 lb	6.0	6.5	7.0	10.5	11.3	11.6	9.7	9.5	9.6	11.4	11.2	11.2
50,000 to 99,999 lb	40.1	32.3	36.1	47.9	41.4	45.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	29.8	28.1	33.5	37.9	37.5	47.1	S	S
SCTG 06, Milled grain products and preparations, and bakery products	6.5	13.9	14.8	4.5	7.0	7.2	9.3	14.9	17.6	14.4	10.9	10.9
Less than 50 lb	S	29.5	33.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	27.6	28.0	25.2	40.1	40.8	43.9	S	41.5	41.5	S	38.3	37.7
100 to 499 lb	27.8	21.6	23.2	32.4	46.2	42.8	17.3	10.0	11.6	24.7	27.1	27.4
500 to 749 lb	31.4	16.0	17.0	15.9	16.0	18.3	27.4	25.2	27.0	46.8	48.1	47.9
750 to 999 lb	18.9	17.9	17.8	22.4	23.1	20.1	S	40.6	41.3	45.4	S	S
1,000 to 9,999 lb	20.1	17.3	16.1	18.3	16.9	15.1	23.4	27.9	27.4	23.3	24.4	24.2
10,000 to 49,999 lb	7.8	8.7	7.3	5.1	8.5	8.6	10.8	8.8	8.8	20.9	15.3	14.8
50,000 to 99,999 lb	33.6	37.7	31.8	30.8	34.6	35.0	45.4	49.4	47.8	S	S	S
100,000 lb or more	21.6	24.7	27.4	7.2	10.3	10.5	22.3	25.1	28.1	16.5	17.4	17.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	4.6	4.7	4.8	5.2	6.5	7.1	5.6	6.2	6.6	10.0	6.7	6.9
Less than 50 lb	39.2	31.8	31.6	44.7	31.9	32.6	44.9	S	S	41.7	41.8	43.1
50 to 99 lb	38.0	34.2	34.8	36.5	23.4	21.6	38.6	37.3	38.2	S	S	S
100 to 499 lb	8.5	10.0	10.8	19.0	24.7	24.4	30.1	17.4	17.1	28.8	38.6	40.9
500 to 749 lb	16.8	15.5	14.0	23.4	22.8	24.9	20.6	17.8	17.5	46.5	S	S
750 to 999 lb	10.6	12.0	12.7	27.4	26.6	27.4	26.4	45.9	45.9	45.5	S	S
1,000 to 9,999 lb	9.2	12.9	13.7	10.2	13.1	13.3	10.3	9.2	9.1	11.4	6.2	5.7
10,000 to 49,999 lb	4.4	4.9	4.6	7.9	8.7	8.8	6.2	3.7	3.5	12.0	6.9	6.8
50,000 to 99,999 lb	19.5	14.1	14.9	20.4	18.7	19.7	20.8	27.8	27.7	35.1	38.3	38.3
100,000 lb or more	20.0	17.4	17.8	8.8	10.4	11.9	8.3	11.6	11.4	11.9	12.0	12.1
SCTG 08, Alcoholic beverages	7.1	9.7	12.3	19.1	18.5	19.4	21.2	23.9	25.1	40.6	38.5	38.8
Less than 50 lb	16.3	17.7	16.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	26.5	26.5	25.2	36.7	23.6	23.5	S	S	S	S	—	—
100 to 499 lb	17.2	17.6	15.9	24.2	23.5	25.1	S	S	S	S	S	S
500 to 749 lb	30.4	31.0	30.0	37.7	37.8	37.9	S	S	S	S	—	—
750 to 999 lb	35.8	33.8	34.9	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	17.9	17.0	17.6	48.4	29.1	31.1	43.0	36.7	39.8	42.0	32.1	30.6
10,000 to 49,999 lb	12.7	9.7	9.7	26.1	29.8	29.6	23.8	27.8	28.1	26.3	28.4	28.6
50,000 to 99,999 lb	21.7	20.2	21.4	36.1	29.7	32.6	S	S	S	—	—	—
100,000 lb or more	S	S	S	35.7	38.1	38.0	41.2	40.6	40.5	S	S	S
SCTG 09, Tobacco products	9.9	19.1	19.8	31.8	28.6	29.2	33.6	28.1	28.5	S	45.8	48.0
Less than 50 lb	20.2	14.3	14.9	49.1	22.1	21.2	27.5	28.3	29.0	41.3	29.8	30.4
50 to 99 lb	33.5	24.6	24.2	S	31.7	36.2	46.5	38.8	39.3	49.0	S	S
100 to 499 lb	20.0	14.6	14.3	42.7	31.4	31.8	42.0	37.4	38.4	S	40.9	39.9
500 to 749 lb	24.1	22.1	21.3	S	S	S	S	44.7	45.0	S	S	S
750 to 999 lb	48.1	38.3	35.2	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	24.7	33.5	33.7	41.3	40.5	39.9	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	S	40.1	37.1	31.8	26.6	27.7	31.2	27.4	27.5	40.7	37.7	38.2
Less than 50 lb	S	S	S	S	S	S	—	—	—	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	40.8	44.6	47.1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	43.4	33.1	34.5	S	S	S	36.4	40.1	40.6
10,000 to 49,999 lb	S	49.3	47.0	40.7	29.0	30.4	47.2	31.1	31.1	43.6	38.4	38.8
50,000 to 99,999 lb	S	S	S	S	47.4	48.3	49.3	42.9	43.6	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	—	—	—	—
SCTG 11, Natural sands	8.1	15.6	13.4	12.7	23.6	23.3	23.3	28.2	29.2	19.8	S	S
Less than 50 lb	—	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	—	—	—	—	—
100 to 499 lb	S	47.2	47.2	S	S	S	S	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	34.3	S	S	S	33.4	30.6	S	S	S	44.2	43.3	42.7
10,000 to 49,999 lb	19.1	19.0	16.9	27.8	40.1	39.7	28.0	27.3	25.8	38.7	S	S
50,000 to 99,999 lb	10.5	24.5	22.9	32.0	35.3	33.8	S	S	S	42.0	47.8	47.7
100,000 lb or more	18.7	18.2	17.9	34.3	35.8	36.3	26.2	31.1	31.7	29.2	31.1	35.0
SCTG 12, Gravel and crushed stone	22.2	15.6	15.8	9.6	18.6	17.4	22.8	31.5	32.3	32.3	47.2	46.1
Less than 50 lb	—	—	—	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	34.4	38.3	S	48.1	47.6	S	S	S	S	S	S
10,000 to 49,999 lb	46.6	16.8	20.1	40.7	28.5	27.7	43.7	29.5	29.9	S	S	S
50,000 to 99,999 lb	15.0	9.3	9.3	21.6	22.3	20.8	S	S	S	S	S	S
100,000 lb or more	18.3	18.4	17.6	10.3	19.3	17.9	21.5	32.5	33.0	42.2	S	S
SCTG 13, Nonmetallic minerals n.e.c.	17.8	32.0	33.0	17.3	29.1	31.2	18.3	23.3	21.7	14.0	15.9	16.4
Less than 50 lb	S	40.5	42.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	32.5	34.5	37.7	39.2	40.7	S	S	S	S	46.1	47.3
500 to 749 lb	28.5	29.2	31.9	49.8	38.8	40.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.5	41.9	42.9	32.8	40.3	40.8	39.6	S	S	37.5	47.9	47.6
10,000 to 49,999 lb	19.9	32.5	29.7	16.7	20.6	21.2	21.3	13.6	13.5	16.1	12.0	11.2
50,000 to 99,999 lb	29.8	34.6	33.9	41.8	23.1	22.9	49.1	S	S	S	S	S
100,000 lb or more	43.5	S	S	34.5	36.0	37.9	34.8	31.5	28.8	20.2	20.5	20.6

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	28.2	S	S	22.3	23.3	24.1	35.3	40.1	41.0	44.3	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	42.8	S	41.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	48.4	38.7	39.5	40.8	30.8	32.3	S	42.2	42.7	S	39.6	39.4
500 to 749 lb	41.0	34.0	34.0	47.8	34.5	35.5	S	45.7	47.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	38.2	39.3	46.2	36.5	42.1	44.5	38.2	41.8	36.0	33.7	34.6
10,000 to 49,999 lb	25.9	23.2	23.2	25.9	24.5	22.9	37.7	33.6	33.4	S	40.5	40.4
50,000 to 99,999 lb	S	38.5	40.5	S	47.6	44.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	27.5	23.5	24.3	38.8	40.4	41.3	S	S	S
SCTG 15, Coal	23.2	20.3	15.5	22.5	24.5	21.8	33.2	32.8	38.1	33.1	32.1	31.0
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	—	—	—	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	47.0	43.8	44.6	39.4	S	S	45.5	45.5	45.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	25.4	23.7	17.8	24.4	23.8	21.6	34.6	32.9	38.2	33.0	32.1	31.0
SCTG 17, Gasoline and aviation turbine fuel	23.1	22.6	22.3	49.3	48.5	46.1	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	25.9	28.9	30.0	S	S	S	—	—	—	S	S	S
10,000 to 49,999 lb	16.7	18.3	18.6	30.5	27.4	26.6	S	S	S	S	S	S
50,000 to 99,999 lb	36.3	34.0	33.1	35.0	34.8	38.2	—	—	—	S	S	S
100,000 lb or more	32.5	32.5	34.6	S	S	S	—	—	—	S	S	S
SCTG 18, Fuel oils	20.9	20.3	21.6	34.0	35.9	37.7	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	28.7	29.1	25.6	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	21.9	22.1	25.1	32.5	31.7	32.7	S	S	S	S	S	S
50,000 to 99,999 lb	28.8	27.5	30.4	S	S	S	S	S	S	—	—	—
100,000 lb or more	23.9	24.4	24.8	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	18.5	29.8	30.4	11.1	28.7	27.4	19.0	33.7	36.9	12.0	14.2	14.5
Less than 50 lb	35.3	27.7	30.3	48.1	49.6	48.9	46.5	47.5	46.1	S	S	S
50 to 99 lb	32.6	29.9	32.3	S	S	S	34.3	35.7	35.8	S	S	S
100 to 499 lb	26.2	19.9	20.0	27.8	28.1	28.7	32.5	S	S	34.0	34.4	36.3
500 to 749 lb	37.1	30.3	30.8	39.4	31.6	30.1	36.2	38.2	38.9	S	S	S
750 to 999 lb	23.6	21.2	21.3	S	S	S	37.9	29.3	30.9	44.3	42.6	41.5
1,000 to 9,999 lb	S	44.3	46.9	28.0	33.5	38.1	23.0	22.2	20.9	30.8	30.5	30.6
10,000 to 49,999 lb	16.3	28.7	27.6	15.4	32.3	28.0	27.2	S	S	16.9	18.2	16.9
50,000 to 99,999 lb	29.7	36.3	36.6	28.8	38.9	43.7	S	S	S	S	S	S
100,000 lb or more	36.0	36.0	35.7	21.5	39.0	35.5	24.8	31.0	42.6	23.5	18.7	18.6
SCTG 20, Basic chemicals	8.7	22.0	25.2	11.0	25.1	26.1	13.9	29.0	32.7	9.8	37.4	39.5
Less than 50 lb	26.7	27.5	27.9	24.4	37.2	39.0	26.6	30.0	32.0	32.2	40.5	42.5
50 to 99 lb	27.6	22.2	24.5	26.7	21.8	22.9	28.6	38.9	39.7	41.0	S	46.3
100 to 499 lb	27.2	17.9	14.4	29.4	22.7	22.6	20.2	26.1	27.2	27.0	S	S
500 to 749 lb	13.3	15.6	15.1	33.3	27.0	26.4	35.3	34.0	34.2	S	S	S
750 to 999 lb	43.2	14.1	16.5	S	40.9	40.4	39.3	30.1	30.7	46.4	36.8	36.7
1,000 to 9,999 lb	8.8	25.8	26.4	24.4	16.5	16.1	20.5	16.2	15.8	24.4	12.7	13.0
10,000 to 49,999 lb	12.7	16.8	16.4	9.7	12.0	12.0	18.2	15.1	15.0	15.4	12.7	12.8
50,000 to 99,999 lb	22.4	26.0	25.3	S	43.9	45.7	S	37.1	37.0	29.2	S	S
100,000 lb or more	24.6	46.1	47.4	22.1	40.1	40.1	20.8	46.3	48.6	38.5	47.7	48.1
SCTG 21, Pharmaceutical products	10.5	9.3	10.5	26.9	17.9	16.5	17.8	13.3	13.5	25.9	S	S
Less than 50 lb	11.6	11.0	11.1	9.0	13.2	12.3	17.3	19.8	19.4	19.7	17.4	17.1
50 to 99 lb	14.4	14.9	14.3	13.3	21.3	21.9	29.6	25.0	25.6	S	20.5	21.3
100 to 499 lb	14.9	11.2	12.0	38.1	30.9	29.5	22.0	17.0	18.0	19.5	21.1	23.2
500 to 749 lb	29.5	18.2	18.7	21.9	25.9	29.9	S	45.4	44.8	S	19.9	19.9
750 to 999 lb	S	41.4	45.6	S	32.3	35.3	30.1	44.4	48.2	S	26.8	26.7
1,000 to 9,999 lb	21.8	17.4	18.5	47.6	31.4	31.0	30.7	21.2	22.0	36.6	12.9	12.9
10,000 to 49,999 lb	S	21.1	23.5	23.5	26.7	25.6	26.2	16.2	15.9	44.3	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	42.5	48.8	S	S	S	S	42.2	41.3	36.8	35.7	47.1	46.6
Less than 50 lb	44.4	40.1	40.5	S	48.4	48.9	S	S	S	S	S	S
50 to 99 lb	S	46.7	S	S	48.6	S	S	S	S	S	S	S
100 to 499 lb	45.8	27.9	27.8	S	48.6	S	45.1	S	S	—	—	—
500 to 749 lb	45.3	S	49.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	24.6	17.2	16.1	28.8	29.4	30.9	40.5	37.1	37.7	S	S	S
10,000 to 49,999 lb	42.1	49.8	48.4	S	S	S	S	S	S	48.1	S	S
50,000 to 99,999 lb	22.3	18.6	18.2	23.4	25.5	25.2	45.5	40.0	39.0	S	S	S
100,000 lb or more	S	S	S	S	S	S	45.3	32.1	28.2	36.7	39.0	40.8
SCTG 23, Chemical products and preparations, n.e.c.	6.4	8.8	9.2	6.2	5.6	5.1	5.5	6.0	5.5	16.7	12.8	13.2
Less than 50 lb	16.2	19.0	17.1	17.7	12.5	13.3	31.2	25.0	23.3	18.7	18.8	19.0
50 to 99 lb	21.7	16.9	13.8	18.8	15.3	16.2	28.4	22.1	22.6	33.7	21.1	20.5
100 to 499 lb	10.9	12.3	12.2	12.0	19.2	19.1	22.8	14.7	14.7	30.3	17.3	17.0
500 to 749 lb	44.0	18.4	20.9	14.3	13.0	12.1	14.2	13.7	13.9	S	29.4	29.3
750 to 999 lb	16.5	19.3	18.9	16.8	23.8	24.6	21.5	16.5	16.4	S	26.9	26.8
1,000 to 9,999 lb	12.0	16.8	18.3	18.1	11.0	10.0	11.5	11.5	11.1	8.7	16.7	16.6
10,000 to 49,999 lb	9.7	8.7	8.6	5.7	6.0	5.3	6.2	5.6	5.5	18.9	17.3	17.5
50,000 to 99,999 lb	40.4	48.5	42.9	49.2	32.2	31.8	38.6	40.3	43.2	S	S	S
100,000 lb or more	32.5	42.8	42.3	22.0	26.0	30.0	S	S	S	39.7	26.0	26.7
SCTG 24, Plastics and rubber	8.0	7.5	6.5	4.0	4.2	3.7	5.2	6.2	7.3	8.4	8.8	9.3
Less than 50 lb	15.7	12.3	14.8	9.4	15.9	16.3	7.0	14.8	15.4	25.7	44.5	42.7
50 to 99 lb	8.8	17.4	14.4	12.0	8.8	8.9	16.9	15.3	15.1	18.4	20.6	20.8
100 to 499 lb	8.9	7.6	7.6	7.7	6.9	7.1	7.0	6.1	6.0	14.2	8.2	8.6
500 to 749 lb	9.6	10.8	11.4	10.4	12.1	10.4	13.2	14.3	15.0	33.8	20.4	21.0
750 to 999 lb	9.4	11.6	13.2	11.9	10.2	10.1	26.6	24.2	25.3	27.9	19.7	20.2
1,000 to 9,999 lb	9.0	7.3	6.2	5.3	9.8	9.5	7.0	9.5	10.0	7.5	9.5	9.6
10,000 to 49,999 lb	11.4	10.5	10.5	7.5	5.4	5.5	9.0	7.9	9.1	11.1	12.9	13.9
50,000 to 99,999 lb	47.8	41.9	39.8	43.8	38.2	35.4	47.0	42.5	43.8	S	S	S
100,000 lb or more	25.2	18.3	17.8	13.4	28.6	19.4	17.6	16.6	16.4	22.9	22.2	22.4
SCTG 25, Logs and other wood in the rough	20.5	23.2	21.8	25.0	S	S	35.4	32.6	32.6	42.6	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	48.9	40.3	42.6	S	47.1	49.0	S	S	S	S	S	S
10,000 to 49,999 lb	25.5	38.8	36.3	39.4	49.2	49.8	32.2	44.7	43.9	48.8	41.0	41.0
50,000 to 99,999 lb	33.2	38.1	38.5	44.6	S	S	S	S	S	S	S	S
100,000 lb or more	S	47.5	S	37.2	S	S	S	S	S	S	S	S
SCTG 26, Wood products	9.0	6.1	5.7	10.9	10.8	11.2	12.3	14.8	14.4	16.4	14.4	14.1
Less than 50 lb	20.3	15.3	16.7	28.8	37.8	37.2	31.3	37.5	37.9	21.5	19.0	19.0
50 to 99 lb	18.1	17.1	17.7	19.9	21.7	22.8	25.2	22.7	22.8	22.7	20.5	20.7
100 to 499 lb	13.8	10.1	12.0	20.9	16.5	15.0	31.3	19.3	19.0	15.6	15.0	13.9
500 to 749 lb	16.1	19.0	20.3	39.6	18.7	17.3	28.3	18.0	19.8	14.1	18.7	18.4
750 to 999 lb	15.7	15.9	14.7	29.6	18.3	19.0	16.0	17.1	18.6	38.9	32.5	33.4
1,000 to 9,999 lb	11.1	7.9	8.0	12.5	11.7	11.0	8.0	13.9	12.7	14.8	13.0	12.9
10,000 to 49,999 lb	11.4	7.2	7.1	12.7	11.6	12.1	15.5	11.1	10.9	22.5	19.5	19.1
50,000 to 99,999 lb	15.3	16.3	15.9	27.8	27.3	28.1	S	S	S	31.3	30.0	31.4
100,000 lb or more	27.4	36.2	32.6	25.3	26.3	26.3	21.9	23.0	21.6	31.4	28.2	28.2
SCTG 27, Pulp, newsprint, paper, and paperboard	8.9	8.2	8.8	13.7	10.2	10.6	12.5	7.9	8.4	16.3	18.7	18.2
Less than 50 lb	22.2	19.4	21.9	24.4	27.4	28.4	30.1	26.7	26.8	27.6	26.7	26.9
50 to 99 lb	19.3	18.0	18.6	24.7	33.8	33.8	45.9	S	S	S	S	S
100 to 499 lb	22.9	17.1	19.7	25.8	28.7	31.0	36.3	45.0	44.5	42.7	S	49.3
500 to 749 lb	15.4	13.8	16.0	47.4	33.4	33.1	38.6	37.1	34.9	S	43.1	43.5
750 to 999 lb	33.3	19.2	21.7	28.3	31.8	30.6	42.0	41.6	43.6	33.6	S	S
1,000 to 9,999 lb	18.5	20.0	23.9	21.3	13.0	13.6	17.1	12.2	12.9	40.3	31.0	31.8
10,000 to 49,999 lb	6.7	9.4	10.4	16.2	12.0	12.7	14.5	8.5	9.8	14.2	24.2	24.0
50,000 to 99,999 lb	32.7	26.3	26.4	24.6	26.5	27.0	21.4	26.0	25.9	39.3	21.0	20.1
100,000 lb or more	17.1	19.8	19.7	16.1	10.7	9.5	18.1	19.2	16.5	35.8	28.6	28.0
SCTG 28, Paper or paperboard articles	6.6	8.6	9.1	8.1	8.2	7.2	10.0	9.7	9.6	5.6	12.6	12.6
Less than 50 lb	24.1	13.5	14.0	19.5	11.2	11.0	28.2	16.3	15.5	29.2	20.1	20.2
50 to 99 lb	24.5	11.5	14.8	17.9	21.2	21.9	18.0	23.6	22.8	29.1	20.2	21.2
100 to 499 lb	12.8	8.7	9.7	14.3	14.5	14.3	16.7	20.2	20.9	30.7	14.9	14.8
500 to 749 lb	18.5	15.5	15.3	21.0	23.1	23.9	S	13.7	13.6	36.2	44.7	46.6
750 to 999 lb	19.0	12.6	12.5	21.0	21.9	19.4	39.9	36.1	34.9	23.6	23.6	23.3
1,000 to 9,999 lb	10.2	13.1	13.9	7.8	9.9	10.3	16.6	18.1	18.6	15.2	26.2	27.4
10,000 to 49,999 lb	8.2	8.9	9.2	10.9	10.7	9.5	10.6	11.3	11.4	5.8	13.1	13.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	47.7	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products .	5.7	6.9	6.1	5.7	12.1	13.5	9.0	14.8	14.5	8.2	12.8	13.6
Less than 50 lb	15.4	7.6	7.7	11.7	14.3	15.6	14.4	19.2	19.3	18.5	41.7	40.8
50 to 99 lb	21.7	21.3	21.4	21.1	17.9	16.5	24.3	31.0	31.3	42.9	19.2	17.5
100 to 499 lb	14.3	17.8	16.7	17.6	11.2	10.0	27.1	22.6	22.0	39.1	32.3	33.4
500 to 749 lb	17.5	15.2	14.5	40.8	S	S	21.4	12.4	12.8	18.1	16.1	16.4
750 to 999 lb	10.2	17.7	16.6	22.0	13.0	12.9	26.1	26.8	27.4	34.3	S	S
1,000 to 9,999 lb	9.1	7.8	8.6	12.6	23.5	26.7	23.7	32.8	32.7	11.8	28.4	30.3
10,000 to 49,999 lb	7.6	11.3	11.1	8.0	8.4	9.2	9.1	11.4	11.4	15.5	6.3	6.0
50,000 to 99,999 lb	S	S	44.9	47.6	S	48.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	43.0	49.2	45.4	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	17.9	23.7	26.7	14.6	11.7	11.5	10.9	18.1	17.5	10.2	13.0	13.2
Less than 50 lb	14.4	8.1	8.6	16.4	12.7	12.9	12.8	12.8	13.5	10.2	22.0	21.6
50 to 99 lb	18.1	16.0	15.6	49.9	36.8	31.8	S	S	S	19.0	23.7	24.1
100 to 499 lb	19.0	16.8	19.1	18.6	16.5	15.8	18.8	14.2	14.2	27.7	23.3	21.8
500 to 749 lb	15.8	16.9	17.1	33.9	25.2	24.3	13.9	19.5	19.8	24.4	22.3	22.7
750 to 999 lb	17.1	20.7	20.7	19.5	24.8	24.5	35.0	22.1	23.1	46.5	29.2	28.7
1,000 to 9,999 lb	26.6	24.5	25.9	20.2	22.4	23.6	20.5	22.0	22.7	15.8	19.2	19.8
10,000 to 49,999 lb	36.5	S	S	31.2	25.2	25.1	33.3	39.6	39.5	27.4	28.6	29.4
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	5.3	6.7	7.2	5.2	12.9	14.1	7.4	12.6	14.3	8.7	21.7	24.5
Less than 50 lb	24.3	24.5	24.8	19.0	41.5	42.7	14.0	20.2	20.3	20.9	S	S
50 to 99 lb	21.3	18.3	19.9	38.6	45.3	42.4	20.1	22.6	22.7	31.5	29.2	28.5
100 to 499 lb	13.7	22.6	20.7	26.6	18.4	18.7	27.0	23.5	23.6	30.5	24.8	25.5
500 to 749 lb	18.1	28.1	24.8	15.8	20.0	24.8	47.0	S	S	34.1	20.5	20.9
750 to 999 lb	14.9	17.3	15.0	21.2	24.8	23.2	37.9	33.9	36.4	S	45.5	47.5
1,000 to 9,999 lb	11.5	10.6	10.9	30.4	17.0	16.1	9.9	15.8	16.6	15.6	4.6	4.8
10,000 to 49,999 lb	8.0	9.5	9.5	6.4	6.3	6.5	8.5	5.4	5.6	14.6	20.4	23.2
50,000 to 99,999 lb	6.9	6.9	6.7	25.1	31.4	30.2	S	S	S	31.0	S	S
100,000 lb or more	24.2	18.9	20.7	26.3	30.7	30.3	46.6	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	7.3	8.0	9.3	7.3	11.1	11.0	5.2	6.8	7.4	11.0	18.5	20.2
Less than 50 lb	14.1	13.8	14.1	23.8	10.7	10.5	23.5	16.3	16.0	28.8	15.3	15.8
50 to 99 lb	17.9	20.8	21.0	15.8	12.8	13.6	17.9	11.9	11.3	37.3	9.9	9.8
100 to 499 lb	15.1	10.6	11.1	16.3	14.8	13.7	11.6	10.8	11.2	15.3	16.7	16.1
500 to 749 lb	15.9	9.4	9.3	13.2	14.8	13.0	16.2	13.1	12.8	39.8	42.1	42.4
750 to 999 lb	39.5	8.6	10.0	16.7	11.1	10.8	16.4	14.1	15.0	18.1	26.2	25.5
1,000 to 9,999 lb	11.3	15.4	13.8	5.5	7.8	7.2	6.2	7.5	7.6	16.0	11.9	11.6
10,000 to 49,999 lb	9.5	10.3	11.1	9.9	12.3	13.3	8.2	10.0	9.9	10.2	14.9	16.1
50,000 to 99,999 lb	12.8	12.7	11.4	17.8	15.4	15.8	22.3	22.4	20.7	44.7	44.6	45.8
100,000 lb or more	19.4	19.0	25.8	25.3	16.7	15.0	15.0	14.4	16.3	32.5	29.3	30.5
SCTG 33, Articles of base metal	4.1	8.3	9.7	4.4	10.0	10.5	10.5	22.0	21.8	4.9	49.8	S
Less than 50 lb	7.0	8.5	8.6	17.6	25.4	29.7	10.6	24.9	25.1	12.0	21.6	23.6
50 to 99 lb	25.3	20.8	17.3	49.8	35.7	35.6	48.5	43.5	41.1	21.9	13.8	13.6
100 to 499 lb	9.5	12.9	12.0	9.5	11.0	9.1	39.7	22.7	21.7	17.2	11.7	11.7
500 to 749 lb	14.8	10.0	12.7	33.2	17.1	16.5	16.4	26.0	26.7	44.7	18.3	17.5
750 to 999 lb	25.8	15.8	16.1	26.6	16.4	16.3	41.5	18.3	16.9	29.9	22.6	22.5
1,000 to 9,999 lb	10.5	15.0	16.4	7.4	16.9	18.3	11.9	22.3	22.2	21.6	42.9	41.5
10,000 to 49,999 lb	6.6	12.7	14.0	7.6	15.3	16.0	12.7	32.9	33.0	8.4	S	S
50,000 to 99,999 lb	36.3	32.7	30.1	30.0	28.2	28.2	40.9	S	S	S	34.4	36.0
100,000 lb or more	S	S	S	29.3	25.6	24.3	29.5	30.5	31.0	S	S	S
SCTG 34, Machinery	7.7	9.8	9.4	5.5	5.5	5.6	4.0	5.3	5.3	5.3	8.3	10.1
Less than 50 lb	13.1	17.2	16.5	19.4	29.7	33.0	12.0	9.2	9.6	9.1	18.5	18.9
50 to 99 lb	11.7	13.3	13.4	11.7	8.0	7.9	9.7	7.2	7.2	21.3	15.2	15.2
100 to 499 lb	7.5	10.5	11.3	8.2	7.3	7.5	7.6	6.5	6.6	8.8	14.1	14.5
500 to 749 lb	8.2	8.8	9.0	6.0	9.8	9.7	16.3	10.7	11.6	15.1	16.0	16.1
750 to 999 lb	22.3	16.9	18.9	17.2	16.2	14.5	23.8	25.9	26.7	20.6	13.3	12.3
1,000 to 9,999 lb	6.8	7.9	7.9	8.0	8.7	8.2	8.6	10.5	10.9	11.3	8.7	9.2
10,000 to 49,999 lb	9.7	12.7	12.5	10.9	6.3	6.6	7.1	8.3	8.2	8.2	8.3	7.2
50,000 to 99,999 lb	32.3	20.2	19.9	29.2	19.6	22.5	23.9	16.4	16.7	S	S	S
100,000 lb or more	43.9	45.6	43.8	41.5	35.8	37.0	35.0	31.6	31.9	44.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	10.7	7.2	7.2	7.8	10.1	10.1	5.2	6.3	5.9	12.6	6.4	6.4
Less than 50 lb	9.9	12.7	12.5	5.8	7.3	7.3	13.2	8.4	8.8	7.0	18.1	18.0
50 to 99 lb	11.7	9.2	9.5	11.5	11.5	11.0	15.3	12.4	12.3	13.3	15.9	16.4
100 to 499 lb	13.3	5.7	7.1	15.5	15.2	15.8	18.3	20.4	21.2	17.8	12.6	13.0
500 to 749 lb	34.6	20.5	22.3	10.6	20.2	22.4	26.6	15.2	15.7	14.5	15.7	15.9
750 to 999 lb	21.3	16.2	15.5	15.5	11.2	13.1	36.5	25.7	25.5	15.7	19.5	19.8
1,000 to 9,999 lb	29.9	12.4	11.2	8.8	9.8	9.9	8.9	7.2	7.6	37.7	12.1	12.4
10,000 to 49,999 lb	15.3	7.7	8.6	18.2	14.7	14.2	16.6	11.1	10.6	26.6	11.3	11.3
50,000 to 99,999 lb	S	S	S	S	S	S	35.4	26.9	24.4	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	7.6	13.9	15.5	8.6	6.2	8.2	5.5	5.4	5.6	12.3	19.5	18.6
Less than 50 lb	10.0	10.9	11.6	11.3	13.6	12.3	17.9	20.4	20.3	16.7	25.3	24.3
50 to 99 lb	18.1	13.9	17.4	16.4	19.8	21.1	24.2	20.8	20.7	24.3	19.9	19.1
100 to 499 lb	22.3	13.6	13.7	31.9	18.9	19.0	35.7	19.9	20.0	34.1	28.3	29.0
500 to 749 lb	18.9	9.2	10.2	18.7	20.5	23.0	15.9	39.3	36.0	43.1	30.6	32.2
750 to 999 lb	22.2	25.5	20.9	27.6	28.2	26.3	16.2	20.0	19.3	S	36.1	37.0
1,000 to 9,999 lb	11.5	7.8	7.7	9.3	4.3	4.7	12.3	10.2	10.3	13.7	8.0	8.1
10,000 to 49,999 lb	7.7	6.2	6.9	12.1	5.7	4.5	10.2	6.3	6.1	22.5	17.1	16.8
50,000 to 99,999 lb	32.9	24.6	25.5	30.2	15.6	14.8	18.1	11.2	11.4	33.9	26.2	27.2
100,000 lb or more	S	S	S	S	S	S	22.0	16.7	17.4	48.2	S	S
SCTG 37, Transportation equipment, n.e.c.	19.5	31.0	36.6	10.2	17.4	17.9	16.1	39.9	45.8	20.5	21.8	20.1
Less than 50 lb	16.7	13.3	15.8	25.9	28.3	26.9	24.7	22.6	28.8	18.7	36.2	41.3
50 to 99 lb	47.6	40.6	40.3	30.4	28.8	23.3	47.4	28.4	24.9	39.1	29.5	30.9
100 to 499 lb	S	23.8	23.8	38.0	28.5	32.4	38.3	25.3	26.2	29.4	25.3	23.9
500 to 749 lb	38.9	26.1	29.6	S	31.7	32.0	45.3	S	S	49.6	37.4	38.0
750 to 999 lb	S	S	S	S	45.4	44.4	S	42.3	44.2	S	S	S
1,000 to 9,999 lb	18.7	12.7	11.3	18.2	11.9	12.9	22.9	24.7	24.6	35.0	23.7	23.7
10,000 to 49,999 lb	20.6	31.2	29.3	26.5	27.2	30.0	46.3	26.4	27.3	45.8	33.8	31.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	42.1	33.8	35.4	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	9.3	11.4	12.5	7.7	18.3	18.6	6.0	10.7	10.6	8.5	16.0	16.7
Less than 50 lb	11.6	10.0	9.4	10.4	8.9	7.8	7.1	10.9	10.7	10.9	17.2	17.1
50 to 99 lb	18.9	29.3	26.9	14.4	21.3	23.8	20.4	11.4	13.2	30.1	S	S
100 to 499 lb	23.5	17.0	23.5	16.7	15.7	16.2	23.4	15.4	17.5	18.9	13.9	13.8
500 to 749 lb	S	S	S	30.2	19.4	18.2	33.0	28.1	28.5	35.2	45.1	43.3
750 to 999 lb	47.6	S	S	25.8	17.3	16.0	34.0	26.8	26.6	40.5	35.0	34.6
1,000 to 9,999 lb	30.6	19.3	20.1	11.2	19.8	19.0	8.6	27.9	28.9	25.0	20.3	19.5
10,000 to 49,999 lb	31.1	25.9	24.4	S	S	S	37.8	23.7	22.7	S	45.7	44.9
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6.1	11.0	11.6	5.6	11.7	11.3	9.9	13.5	12.9	12.6	15.2	15.4
Less than 50 lb	28.7	32.2	31.0	21.2	37.7	36.1	20.9	35.2	33.3	35.5	37.6	37.3
50 to 99 lb	14.7	15.7	17.0	25.0	31.3	36.8	20.8	39.3	40.2	41.1	S	S
100 to 499 lb	9.4	10.5	10.9	13.8	10.9	11.8	8.4	10.9	10.9	17.0	24.4	25.1
500 to 749 lb	22.2	18.9	19.3	16.1	19.4	20.6	13.0	8.4	8.2	15.1	19.9	20.6
750 to 999 lb	17.6	15.6	16.0	13.4	12.3	12.0	30.6	13.9	13.5	16.7	28.6	30.5
1,000 to 9,999 lb	9.3	10.6	8.9	10.5	13.3	14.6	12.6	15.6	14.9	18.1	20.2	21.5
10,000 to 49,999 lb	19.5	20.9	20.3	17.7	27.7	27.4	21.6	28.7	27.7	21.9	35.3	36.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	—	—	—	S	S	S
SCTG 40, Miscellaneous manufactured products ...	8.4	3.4	4.3	4.2	7.3	6.9	5.9	6.4	6.6	5.0	15.0	14.9
Less than 50 lb	8.6	7.5	8.0	7.4	7.1	7.9	8.8	14.9	14.8	11.3	10.4	11.1
50 to 99 lb	6.4	10.0	10.3	6.9	9.4	9.3	17.0	9.2	8.8	10.5	6.6	6.2
100 to 499 lb	9.2	7.6	8.3	5.6	40.4	37.7	7.9	6.8	6.4	6.6	4.8	4.4
500 to 749 lb	S	12.1	10.1	16.5	10.7	10.1	44.3	16.1	16.4	15.4	19.9	20.4
750 to 999 lb	14.7	22.1	19.8	25.6	11.0	11.9	21.5	14.4	14.4	13.1	16.2	16.6
1,000 to 9,999 lb	24.3	10.4	12.8	7.5	7.9	7.4	7.9	11.1	11.2	7.3	11.2	10.4
10,000 to 49,999 lb	13.0	4.1	4.2	11.3	8.0	8.0	8.8	8.8	9.7	12.0	22.6	22.4
50,000 to 99,999 lb	21.2	22.7	19.8	34.5	20.4	19.4	25.7	31.0	32.0	S	45.9	47.1
100,000 lb or more	42.9	S	S	39.2	39.3	37.7	S	S	S	S	S	S
SCTG 41, Waste and scrap .	19.4	13.1	14.5	11.8	17.0	17.6	14.8	21.8	21.0	21.1	19.5	19.0
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.7	24.1	20.6	42.8	36.1	36.3	S	S	47.1	S	S	S
10,000 to 49,999 lb	25.4	16.5	16.3	15.0	15.3	16.7	20.4	48.1	47.2	21.5	27.2	28.4
50,000 to 99,999 lb	13.5	35.7	36.2	36.5	S	S	43.4	39.9	39.7	42.9	31.6	32.6
100,000 lb or more	32.2	18.7	21.7	15.7	21.9	23.9	29.3	25.7	25.3	33.8	31.7	31.2
SCTG 43, Mixed freight	14.2	14.9	15.0	32.0	S	S	21.1	S	S	29.8	S	S
Less than 50 lb	36.9	29.6	34.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	23.9	26.6	26.1	37.9	41.3	42.0	40.1	27.8	29.0	S	41.6	40.6
100 to 499 lb	17.9	15.1	15.3	42.7	29.9	30.0	39.1	34.4	33.2	19.4	25.9	26.6
500 to 749 lb	22.0	21.3	21.5	36.8	25.4	26.3	31.9	27.0	25.9	S	S	S
750 to 999 lb	20.0	17.5	17.9	35.8	25.7	25.7	S	S	S	S	S	S
1,000 to 9,999 lb	11.5	13.8	14.3	31.1	26.1	28.0	28.8	24.5	25.3	40.3	30.9	29.8
10,000 to 49,999 lb	22.3	21.4	21.7	44.6	26.5	26.7	26.1	20.7	21.3	44.9	33.2	31.7
50,000 to 99,999 lb	44.6	S	49.7	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	29.7	S	S	25.6	S	S	32.8	28.2	30.4	10.7	26.9	27.9
Less than 50 lb	28.4	31.3	32.1	33.4	33.8	27.2	31.5	28.6	28.8	38.6	35.8	34.7
50 to 99 lb	S	S	S	S	45.3	42.8	S	49.7	46.9	35.9	44.5	46.4
100 to 499 lb	25.9	29.8	28.5	44.5	44.3	42.9	23.4	S	49.4	34.6	25.0	23.4
500 to 749 lb	S	38.6	37.6	S	27.7	28.7	31.3	25.0	25.5	40.3	36.4	35.8
750 to 999 lb	32.6	41.7	40.6	45.7	29.2	37.3	38.0	33.4	32.7	S	S	S
1,000 to 9,999 lb	22.7	21.6	23.2	27.0	S	S	35.1	27.4	27.4	26.1	34.6	34.6
10,000 to 49,999 lb	28.1	32.6	31.0	38.6	25.6	25.7	S	31.4	30.1	35.4	27.9	26.9
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	3.5	6.8	7.4	4.0	3.8	3.9	4.4	11.6	12.8
Less than 50 lb	3.5	12.1	12.2	5.3	11.3	12.0	8.2	24.3	34.0
50 to 99 lb	9.4	11.5	12.5	10.0	10.6	10.7	25.7	25.2	24.7
100 to 499 lb	9.5	6.6	6.8	14.0	6.2	6.2	11.6	12.8	14.4
500 to 749 lb	11.2	15.6	13.3	36.1	43.1	44.5	25.3	19.1	18.3
750 to 999 lb	4.6	6.4	6.2	22.3	10.8	10.9	22.9	18.7	18.1
1,000 to 9,999 lb	9.7	9.3	9.3	6.1	4.8	4.7	9.9	6.6	6.7
10,000 to 49,999 lb	6.2	4.8	4.7	3.5	5.1	5.0	10.2	10.8	10.8
50,000 to 99,999 lb	29.1	13.5	14.0	22.3	9.7	9.7	S	49.4	S
100,000 lb or more	6.3	9.6	10.4	14.6	12.3	11.9	38.5	25.4	25.5
SCTG 01, Live animals and live fish	S	40.1	39.7	S	S	S	—	—	—
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	40.0	42.8	42.1	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 02, Cereal grains	16.1	18.1	19.0	S	48.5	48.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	47.4	46.4	S	S	S	—	—	—
10,000 to 49,999 lb	43.9	32.6	33.9	S	49.0	48.4	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	17.8	18.3	19.2	—	—	—	—	—	—
SCTG 03, Other agricultural products	24.3	29.6	31.1	S	19.1	18.7	39.9	S	S
Less than 50 lb	35.8	47.2	45.8	31.6	38.1	39.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	27.8	28.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	31.1	40.0	38.0	S	48.6	49.4	S	S	S
10,000 to 49,999 lb	34.8	S	S	20.4	22.8	22.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	31.2	32.0	33.3	S	S	S	—	—	—
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.5	9.2	9.8	35.6	19.1	19.8	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	43.5	39.9	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	30.4	33.5	32.4	S	S	S	—	—	—
10,000 to 49,999 lb	12.8	10.0	11.5	17.4	21.1	20.9	S	S	S
50,000 to 99,999 lb	34.7	36.4	32.6	37.6	S	S	—	—	—
100,000 lb or more	13.1	14.0	14.1	S	36.9	36.7	—	—	—
SCTG 05, Meat, fish, seafood, and their preparations	14.7	14.7	14.8	10.2	10.0	10.7	29.9	32.1	31.4
Less than 50 lb	46.9	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.1	24.4	25.5	37.8	36.7	37.7	—	—	—
500 to 749 lb	42.4	23.7	22.4	S	40.2	40.8	—	—	—
750 to 999 lb	S	44.9	42.8	25.5	28.7	30.2	—	—	—
1,000 to 9,999 lb	17.3	15.8	15.8	10.5	10.2	10.2	S	S	S
10,000 to 49,999 lb	15.4	16.3	16.4	10.6	10.4	11.2	S	S	S
50,000 to 99,999 lb	45.9	40.9	39.6	S	S	S	S	S	S
100,000 lb or more	24.9	25.4	24.8	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	11.3	13.8	13.6	13.1	11.5	11.2	26.9	29.8	38.6
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.7	45.3	40.5	S	48.3	49.4	S	S	S
500 to 749 lb	34.4	38.1	38.0	S	49.2	S	S	S	S
750 to 999 lb	37.9	36.0	34.7	44.9	41.7	41.8	S	S	S
1,000 to 9,999 lb	25.2	23.8	22.1	27.0	25.2	25.5	S	S	S
10,000 to 49,999 lb	12.6	9.1	8.8	16.2	12.7	12.0	27.1	36.0	45.7
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	19.1	19.6	19.4	27.4	33.7	32.6	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	6.1	9.4	10.3	11.1	9.6	9.7	20.2	29.0	29.5
Less than 50 lb	S	S	S	S	S	S	S	S	44.6
50 to 99 lb	S	35.4	35.3	S	S	S	S	S	S
100 to 499 lb	26.2	21.3	20.9	21.6	18.3	19.0	S	S	S
500 to 749 lb	21.8	22.1	20.1	37.0	32.7	33.4	S	46.3	44.4
750 to 999 lb	29.7	23.2	23.3	47.8	29.7	29.6	46.2	39.9	37.9
1,000 to 9,999 lb	15.9	22.9	21.3	20.9	12.9	12.4	46.3	47.9	48.8
10,000 to 49,999 lb	8.0	8.0	7.9	17.1	10.8	10.5	37.0	47.0	47.3
50,000 to 99,999 lb	S	45.4	48.3	27.3	S	S	—	—	—
100,000 lb or more	10.9	14.2	14.7	21.5	18.8	18.8	S	S	S
SCTG 08, Alcoholic beverages	34.1	42.4	43.7	25.2	34.4	34.2	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	37.8	34.9	32.6	45.0	49.3	S	—	—	—
10,000 to 49,999 lb	32.7	37.3	37.1	37.9	39.5	39.6	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	48.1	48.5	48.9	S	S	S	—	—	—
SCTG 09, Tobacco products	37.3	32.7	32.1	S	S	S	S	S	S
Less than 50 lb	48.9	35.6	37.4	40.6	35.7	36.0	S	S	S
50 to 99 lb	48.7	S	S	47.2	48.5	48.1	S	S	S
100 to 499 lb	42.3	33.3	34.5	40.1	37.5	37.3	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 10, Monumental or building stone	46.0	46.1	47.4	S	S	S	S	S	S
Less than 50 lb	S	S	S	—	—	—	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	46.0	44.1	42.5	S	S	S	—	—	—
10,000 to 49,999 lb	S	43.5	44.8	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 11, Natural sands	S	43.2	41.2	37.3	32.9	34.4	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	46.9	S	S	42.4	40.3	39.6	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	43.4	41.4	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	18.3	13.2	13.2	45.0	33.9	33.7	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	S	S	S	—	—	—
750 to 999 lb	—	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.1	15.7	15.1	S	36.7	36.3	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	20.6	16.6	16.4	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	40.3	46.4	46.2	42.2	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	41.7	S	49.7	S	47.9	47.7	S	S	S
500 to 749 lb	S	S	S	—	—	—	S	S	S
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	40.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	39.7	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	46.6	45.9	45.8	—	—	—	—	—	—
SCTG 15, Coal	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 17, Gasoline and aviation turbine fuel	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	—	—	—	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 18, Fuel oils	S	S	S	—	—	—	—	—	—
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	—	—	—	—	—	—	—	—	—
10,000 to 49,999 lb	—	—	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—
SCTG 19, Coal and petroleum products, n.e.c.	41.6	35.1	30.8	19.4	S	S	S	S	S
Less than 50 lb	S	S	S	S	44.5	44.0	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	37.6	35.2	35.2	S	43.2	43.7	—	—	—
500 to 749 lb	49.8	S	S	46.7	48.0	47.7	—	—	—
750 to 999 lb	46.5	41.0	40.8	S	S	S	—	—	—
1,000 to 9,999 lb	41.6	S	S	31.5	40.1	40.7	S	S	S
10,000 to 49,999 lb	41.9	29.1	30.6	22.4	43.4	43.9	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	20.1	22.6	21.7	41.5	S	S	—	—	—
SCTG 20, Basic chemicals	13.5	34.6	34.8	9.4	15.2	14.6	25.0	32.2	33.5
Less than 50 lb	S	30.2	32.4	S	43.1	41.8	S	45.1	46.0
50 to 99 lb	S	S	49.2	S	42.3	43.6	S	S	S
100 to 499 lb	33.9	S	48.9	36.0	30.6	28.5	42.2	S	S
500 to 749 lb	S	41.2	41.4	S	S	S	S	S	S
750 to 999 lb	44.8	47.0	S	S	S	S	S	S	S
1,000 to 9,999 lb	29.1	35.0	37.4	45.2	22.3	22.1	45.7	S	S
10,000 to 49,999 lb	18.6	29.9	31.2	15.2	19.5	18.6	32.6	40.3	42.2
50,000 to 99,999 lb	44.6	S	S	43.8	S	S	—	—	—
100,000 lb or more	38.4	44.2	43.8	32.0	23.6	22.3	39.3	36.5	36.3
SCTG 21, Pharmaceutical products	12.4	14.6	14.5	19.2	21.2	21.1	37.7	23.9	24.9
Less than 50 lb	23.8	8.1	8.0	17.6	20.3	20.6	48.8	41.7	39.9
50 to 99 lb	39.7	22.1	22.0	32.8	26.8	26.2	S	48.2	S
100 to 499 lb	42.5	20.2	20.5	29.3	13.0	13.3	S	40.3	S
500 to 749 lb	S	33.9	33.6	33.2	30.5	30.7	S	S	S
750 to 999 lb	S	37.2	37.8	S	47.8	48.2	—	—	—
1,000 to 9,999 lb	25.4	23.5	22.4	46.3	29.8	28.5	S	S	S
10,000 to 49,999 lb	28.1	23.0	23.5	45.9	29.6	30.1	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	35.6	28.6	28.8	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	38.7	37.7	37.6	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	41.0	28.4	28.8	S	S	S	—	—	—
SCTG 23, Chemical products and preparations, n.e.c.	17.1	17.9	17.6	17.5	12.9	13.7	24.9	25.9	25.7
Less than 50 lb	22.0	17.2	17.8	31.0	24.8	24.6	29.6	16.6	16.5
50 to 99 lb	37.7	29.7	30.1	43.2	28.8	28.7	42.0	46.6	46.6
100 to 499 lb	21.0	26.4	27.3	29.2	25.8	25.8	47.5	28.6	29.0
500 to 749 lb	34.9	22.8	21.7	25.4	28.5	28.7	S	S	S
750 to 999 lb	35.6	22.9	30.1	48.9	14.7	15.4	48.5	45.3	48.3
1,000 to 9,999 lb	10.3	15.2	17.5	19.7	12.3	12.5	28.8	20.2	21.0
10,000 to 49,999 lb	23.8	21.2	20.9	19.7	13.3	14.1	27.2	26.2	26.5
50,000 to 99,999 lb	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	42.9	39.4	40.5	S	S	S
SCTG 24, Plastics and rubber	11.2	16.1	17.0	5.8	7.0	7.0	17.1	23.5	24.2
Less than 50 lb	8.4	14.7	14.0	14.6	19.1	18.9	26.5	33.7	33.6
50 to 99 lb	16.1	8.5	9.0	18.6	19.4	19.6	40.2	39.9	39.8
100 to 499 lb	7.0	11.9	12.0	14.0	11.6	11.3	14.4	16.6	16.1
500 to 749 lb	22.4	12.8	13.5	16.8	26.8	26.8	S	S	S
750 to 999 lb	27.0	22.0	21.4	39.4	21.7	22.0	32.0	36.4	35.8
1,000 to 9,999 lb	6.7	6.5	6.3	9.7	9.9	9.8	26.8	20.9	20.7
10,000 to 49,999 lb	24.4	24.3	25.8	6.6	8.4	8.6	28.6	27.6	27.8
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	38.8	39.8	37.7	25.7	28.2	28.7	S	S	S
SCTG 25, Logs and other wood in the rough	46.4	S	S	45.8	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	12.9	36.8	36.9	10.8	7.2	7.4	22.6	26.2	26.0
Less than 50 lb	27.0	39.5	39.0	21.4	19.2	18.0	S	44.1	41.4
50 to 99 lb	S	S	S	22.7	27.0	27.4	S	S	S
100 to 499 lb	19.4	15.4	15.4	27.6	19.0	18.9	S	S	S
500 to 749 lb	28.2	25.3	24.9	39.5	28.7	28.7	S	S	S
750 to 999 lb	34.1	37.9	38.3	S	S	S	S	S	S
1,000 to 9,999 lb	13.3	13.7	13.9	26.3	20.0	19.9	S	45.5	45.1
10,000 to 49,999 lb	19.9	S	S	11.3	14.7	16.1	33.9	31.6	31.5
50,000 to 99,999 lb	S	45.0	47.6	38.9	36.2	35.4	—	—	—
100,000 lb or more	13.6	12.8	12.9	14.3	8.8	8.3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	13.8	13.8	14.2	14.5	19.2	17.8	31.8	33.4	32.4
Less than 50 lb	42.8	S	S	37.6	33.9	32.4	47.1	46.8	49.6
50 to 99 lb	46.4	S	S	49.4	47.2	47.0	S	S	S
100 to 499 lb	31.6	31.0	29.4	S	41.3	42.1	S	S	S
500 to 749 lb	29.5	28.7	29.2	S	S	S	S	S	S
750 to 999 lb	39.5	S	S	S	46.0	47.3	S	S	S
1,000 to 9,999 lb	35.3	27.3	29.4	30.1	25.3	24.6	43.1	46.6	46.6
10,000 to 49,999 lb	13.0	16.2	16.3	20.5	26.2	25.5	49.7	48.5	46.5
50,000 to 99,999 lb	24.0	16.4	17.0	40.0	33.9	34.9	S	S	S
100,000 lb or more	32.0	27.3	26.7	34.9	33.8	33.8	—	—	—
SCTG 28, Paper or paperboard articles	14.3	16.4	17.0	12.9	11.8	12.2	29.4	25.4	25.8
Less than 50 lb	36.1	24.5	24.6	39.2	35.9	36.2	S	27.7	31.4
50 to 99 lb	34.8	32.1	32.2	28.2	S	S	S	S	S
100 to 499 lb	44.3	24.7	23.8	34.3	21.9	22.6	S	S	S
500 to 749 lb	30.5	27.6	28.9	18.1	26.7	28.6	S	S	S
750 to 999 lb	30.6	S	S	27.7	27.5	27.6	S	S	S
1,000 to 9,999 lb	17.8	33.6	39.3	18.3	15.0	15.1	30.3	31.4	31.4
10,000 to 49,999 lb	21.3	23.2	23.1	13.5	14.4	14.9	41.8	35.5	36.0
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	19.8	41.6	40.4	24.1	16.1	16.6	26.4	33.6	43.4
Less than 50 lb	14.1	21.7	23.0	12.2	19.2	18.9	31.3	S	S
50 to 99 lb	25.8	19.7	19.6	S	47.2	48.8	40.8	39.4	46.8
100 to 499 lb	30.0	19.4	18.7	S	37.8	39.9	37.1	36.7	34.8
500 to 749 lb	26.9	18.7	20.3	28.1	27.5	27.0	S	S	S
750 to 999 lb	32.0	22.9	24.8	S	44.4	42.6	S	39.3	39.2
1,000 to 9,999 lb	22.5	S	S	10.8	12.3	12.3	29.8	31.8	33.9
10,000 to 49,999 lb	S	20.7	20.5	19.0	19.9	19.8	37.2	38.0	38.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	20.0	38.2	41.1	13.1	S	S	34.9	33.0	33.9
Less than 50 lb	12.1	26.2	24.7	16.1	22.3	23.4	29.2	S	S
50 to 99 lb	44.3	35.7	38.6	27.4	33.5	33.9	24.9	26.3	25.7
100 to 499 lb	21.3	26.6	25.8	12.3	12.1	11.8	16.0	20.0	22.4
500 to 749 lb	34.4	20.6	19.9	20.9	22.9	23.3	S	32.4	32.4
750 to 999 lb	40.0	33.2	31.6	27.7	34.9	34.8	S	S	S
1,000 to 9,999 lb	24.8	20.4	20.0	15.8	14.3	14.7	S	47.9	46.1
10,000 to 49,999 lb	S	S	S	24.3	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	S	S	S	—	—	—
SCTG 31, Nonmetallic mineral products	12.2	S	S	25.1	25.4	24.4	20.6	28.1	30.6
Less than 50 lb	21.3	S	S	34.6	32.1	32.6	47.2	47.9	47.9
50 to 99 lb	47.8	40.5	40.8	43.4	S	50.0	49.3	S	S
100 to 499 lb	21.7	15.1	14.9	32.1	29.6	29.6	41.6	36.0	35.7
500 to 749 lb	S	30.7	30.5	S	S	S	49.7	45.7	46.6
750 to 999 lb	S	S	S	47.5	35.7	34.9	S	49.2	47.5
1,000 to 9,999 lb	17.3	16.2	16.3	39.7	23.9	23.7	36.2	25.4	S
10,000 to 49,999 lb	19.9	36.8	41.8	26.0	20.6	19.3	34.3	33.5	32.9
50,000 to 99,999 lb	S	S	S	S	35.2	35.9	S	S	S
100,000 lb or more	31.1	S	S	46.3	43.1	41.2	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	7.3	24.7	27.3	13.2	10.6	11.0	18.1	28.6	28.7
Less than 50 lb	41.7	40.8	41.0	S	21.5	21.6	S	S	S
50 to 99 lb	24.7	13.4	13.1	35.1	36.7	36.2	S	S	S
100 to 499 lb	19.5	26.9	26.9	24.9	19.8	18.8	S	43.7	44.4
500 to 749 lb	13.5	16.1	15.9	S	31.4	31.1	41.9	37.6	38.1
750 to 999 lb	42.0	27.4	28.8	S	48.8	49.0	44.1	47.2	47.3
1,000 to 9,999 lb	16.1	17.1	18.1	14.2	12.4	13.5	31.8	30.6	33.6
10,000 to 49,999 lb	13.1	13.9	13.9	18.0	16.6	16.7	20.3	24.8	25.8
50,000 to 99,999 lb	47.5	S	S	S	40.1	40.4	S	S	S
100,000 lb or more	30.3	49.8	S	36.4	23.7	23.2	S	S	S
SCTG 33, Articles of base metal	9.1	23.5	24.0	33.1	9.8	9.5	23.4	29.2	29.3
Less than 50 lb	11.5	20.8	20.0	S	S	S	24.3	19.2	19.3
50 to 99 lb	18.7	13.9	13.3	14.8	14.9	15.0	S	S	S
100 to 499 lb	20.6	24.0	24.2	S	42.3	40.5	35.0	26.6	25.6
500 to 749 lb	23.5	16.2	16.4	24.2	17.6	17.8	S	S	S
750 to 999 lb	18.3	31.1	28.2	45.7	39.2	39.5	S	S	S
1,000 to 9,999 lb	20.5	38.6	37.9	13.4	16.8	16.6	41.0	20.9	20.8
10,000 to 49,999 lb	15.8	43.6	45.3	14.2	15.6	14.9	24.2	34.1	31.7
50,000 to 99,999 lb	S	45.8	47.4	S	S	S	S	S	S
100,000 lb or more	31.4	40.6	40.8	39.4	46.4	45.8	S	S	S
SCTG 34, Machinery	12.3	17.5	15.9	14.6	21.3	22.8	30.4	S	S
Less than 50 lb	13.1	11.2	11.6	19.8	28.0	28.3	25.5	29.0	32.7
50 to 99 lb	13.7	11.2	10.7	16.1	17.0	15.2	49.1	S	S
100 to 499 lb	9.6	9.5	10.0	9.2	9.5	9.4	39.1	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	20.4	14.5	15.7	33.3	28.9	28.1	S	S	S
1,000 to 9,999 lb	9.1	7.0	7.0	11.1	16.7	16.1	40.0	47.0	45.2
10,000 to 49,999 lb	25.9	24.4	22.6	11.1	8.1	8.1	S	S	S
50,000 to 99,999 lb	24.5	32.4	33.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	47.1	S	S	—	—	—
SCTG 35, Electronic and other electrical equipment and components and office equipment	8.1	10.7	10.9	8.7	14.3	13.6	10.8	28.0	23.7
Less than 50 lb	14.4	12.5	12.9	9.3	10.7	11.1	20.3	18.0	19.0
50 to 99 lb	23.2	24.1	25.3	11.0	18.3	18.7	34.3	43.5	S
100 to 499 lb	24.1	24.1	24.2	18.2	19.0	18.4	28.3	23.5	31.4
500 to 749 lb	26.8	28.3	27.6	26.3	27.3	26.6	37.0	47.3	49.3
750 to 999 lb	23.1	20.3	18.7	34.7	29.4	28.0	S	S	S
1,000 to 9,999 lb	16.9	10.3	10.3	23.8	25.6	24.6	24.4	20.3	24.5
10,000 to 49,999 lb	17.7	13.1	13.3	28.5	17.9	16.7	37.6	41.9	43.4
50,000 to 99,999 lb	S	S	S	40.2	40.9	41.1	—	—	—
100,000 lb or more	—	—	—	S	S	S	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	8.3	8.5	9.6	12.3	12.4	12.0	16.6	31.7	31.4
Less than 50 lb	12.1	23.5	25.0	13.4	17.8	17.6	35.7	29.0	29.7
50 to 99 lb	39.3	24.4	26.3	S	39.9	38.2	S	S	S
100 to 499 lb	22.9	13.9	14.4	39.2	21.2	21.1	22.4	21.9	23.0
500 to 749 lb	26.2	23.4	24.4	35.9	35.0	37.6	33.8	47.8	48.4
750 to 999 lb	28.9	23.0	23.6	S	35.1	35.8	S	S	S
1,000 to 9,999 lb	16.8	17.0	18.2	16.6	14.0	14.4	20.9	19.2	19.7
10,000 to 49,999 lb	12.3	12.1	12.7	14.9	14.7	14.8	27.2	S	S
50,000 to 99,999 lb	36.6	24.0	24.2	28.5	28.2	26.9	—	—	—
100,000 lb or more	S	40.4	49.6	S	S	S	—	—	—
SCTG 37, Transportation equipment, n.e.c.	43.2	S	S	29.5	20.7	21.2	45.6	S	S
Less than 50 lb	15.4	30.7	32.2	37.2	22.1	20.9	S	S	S
50 to 99 lb	33.7	25.9	29.8	43.1	33.1	33.6	S	S	S
100 to 499 lb	S	38.5	39.6	S	22.6	22.2	S	39.5	40.8
500 to 749 lb	S	37.3	40.9	S	37.5	37.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	30.9	31.8	S	S	S
10,000 to 49,999 lb	47.5	S	S	27.8	33.7	33.8	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 38, Precision instruments and apparatus	8.7	14.8	15.0	9.9	10.0	9.9	27.5	34.9	33.5
Less than 50 lb	11.0	29.0	28.6	9.8	20.6	20.1	25.7	23.6	18.5
50 to 99 lb	19.0	31.5	30.5	26.7	31.6	32.5	42.2	39.7	45.5
100 to 499 lb	16.0	19.9	21.3	15.1	22.3	22.1	32.0	35.7	34.1
500 to 749 lb	27.5	47.9	47.1	32.9	27.0	26.9	S	S	S
750 to 999 lb	32.6	38.4	38.3	S	S	S	S	S	S
1,000 to 9,999 lb	24.6	28.7	26.8	36.7	28.0	28.5	S	S	S
10,000 to 49,999 lb	22.8	22.6	22.9	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.3	10.2	10.7	8.0	31.3	32.5	46.9	35.4	41.4
Less than 50 lb	23.8	40.7	39.7	32.3	34.7	33.8	43.3	S	S
50 to 99 lb	34.9	40.0	40.3	21.5	23.4	23.3	S	45.8	46.8
100 to 499 lb	17.0	22.2	23.0	14.9	23.0	22.5	S	S	S
500 to 749 lb	S	39.3	37.6	24.2	30.5	30.5	S	S	S
750 to 999 lb	21.1	22.1	20.3	22.2	20.0	19.5	S	S	S
1,000 to 9,999 lb	24.2	20.3	19.3	13.4	14.4	14.5	37.4	36.0	33.4
10,000 to 49,999 lb	25.7	23.8	25.1	16.0	27.7	29.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 40, Miscellaneous manufactured products ...	5.4	9.5	11.2	7.3	39.5	39.2	12.2	23.2	21.9
Less than 50 lb	10.2	17.5	17.9	9.6	7.9	7.6	16.4	17.3	21.1
50 to 99 lb	9.9	13.7	14.0	25.8	26.8	25.4	41.2	30.6	27.4
100 to 499 lb	10.1	9.6	9.5	6.5	14.1	14.4	20.6	33.8	34.0
500 to 749 lb	16.0	7.3	7.4	37.0	29.1	30.9	33.0	16.2	16.8
750 to 999 lb	17.9	25.8	25.1	23.2	20.4	19.9	S	S	S
1,000 to 9,999 lb	8.0	5.8	6.0	21.8	15.3	15.8	25.1	27.1	28.5
10,000 to 49,999 lb	14.4	8.6	9.1	14.6	13.3	13.5	31.7	22.6	33.1
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	49.5	48.6	48.1	S	S	S	S	S	S
SCTG 41, Waste and scrap .	31.4	23.9	23.7	28.6	25.4	25.0	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	S	S	S	—	—	—	—	—	—
750 to 999 lb	—	—	—	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	40.6	35.4	34.7	37.3	39.0	37.6	S	S	S
50,000 to 99,999 lb	S	S	49.7	S	S	S	—	—	—
100,000 lb or more	S	28.1	28.4	40.0	38.6	37.3	—	—	—
SCTG 43, Mixed freight	22.5	S	S	29.0	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—
100 to 499 lb	S	S	49.1	49.9	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	49.9	42.4	42.5	—	—	—
10,000 to 49,999 lb	S	47.5	46.4	44.4	37.1	36.4	—	—	—
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Region: 1997—Con.**

[For explanation of terms and meaning of abbreviations and symbols, see introductory text]

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	21.1	S	S	29.8	36.6	34.8	44.7	S	S
Less than 50 lb	35.7	39.4	37.7	S	31.7	32.5	S	S	S
50 to 99 lb	46.2	40.2	38.4	S	S	S	S	S	S
100 to 499 lb	31.3	45.9	48.5	33.7	29.5	28.9	S	S	S
500 to 749 lb	S	S	S	46.4	30.0	30.0	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22.8	32.1	32.7	S	S	S	S	S	S
10,000 to 49,999 lb	33.3	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	—	—	—	—	—	—

— Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons.

Note: For description of development and uses of measures of reliability, see Appendix B, Reliability of the Estimates.

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

SAMPLE DESIGN

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

First Stage

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidiroglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty make up the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode-NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

Second Stage

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26,

1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

Third Stage

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

DATA COLLECTION

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which

the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed "unusable." (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these "unusable" shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment's reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of "usable" shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment's reporting week are both equal to one.

The quarter weight inflates an establishment's estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment's value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of

quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment's value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment's probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

Appendix D.

Standard Classification of Transported Goods Code Information

The commodities shown in this report are classified using the Standard Classification of Transported Goods (SCTG) coding system. The SCTG coding system was created jointly by agencies of the United States and Canadian governments based on the Harmonized System (HS) of product classification which is used worldwide. The purpose of the SCTG coding system was to specifically address statistical needs in regard to products transported.

In the past, Commodity Flow Survey (CFS) data have been collected and reported using product classifications found in the Standard Transportation Commodity Classification (STCC) system. These classifications were developed in the early 1960s by the American Association of Railroads (AAR) to analyze commodity movements by rail. The original purpose of the STCC was for identification of commodities for purposes of assigning rates for Interstate Commerce Commission (ICC) regulated rail carriers. The STCC continues to be used by the AAR as a tariff mechanism.

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although

it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

In 1997 the CFS provided respondents with a listing of SCTG codes and descriptions at the five-digit level to use in assigning a commodity code for each shipment. For shipments of more than one commodity, we instructed respondents to use the five-digit code for the major commodity, defined as the commodity of greatest total weight in the shipment.

Additional information on the SCTG system can be found on the Internet through the BTS web page at <http://www.bts.gov>. Comments or questions on the SCTG should be directed to [http://cfs@bts.gov](mailto:cfs@bts.gov).

Appendix E.

Sample Report Forms and Instructions

The sample report forms and instructions are shown on the following pages.

Note: The CFS-2000 was sent to a subsample of establishments to obtain additional information about the use of transportation equipment and facilities.

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1 ☐ Yes
- 2 ☐ No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1 ☐ Yes
- 2 ☐ No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

--

This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see *Instruction Guide* for a definition of "shipment."**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1								
2								
3								
4								
5								
6								
7								
8								
9								

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

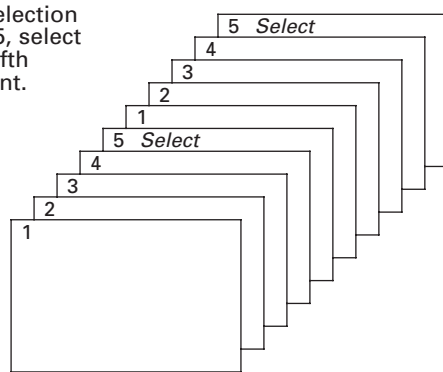
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

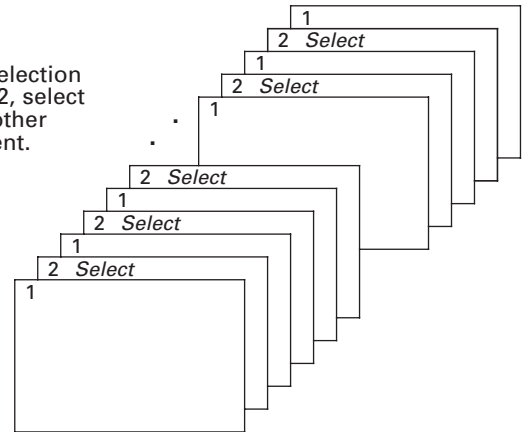
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below.	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)			(m)		(n)	(o)
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel

6 — Deep draft vessel

7 — Pipeline

8 — Air

9 — Other mode

0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.) (j)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	State	ZIP Code			City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued
Item G
1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

2. Are the records for outbound shipments from this location maintained in a number of separate files (e.g., separate files for each commodity, or for each shipping site) at this location?

☐ Yes

☐ No

If yes to item G1 or item G2:
3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

Enter the total value of shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item I

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item J
CERTIFICATION

Name of person to contact regarding this report — *Please print*

Telephone number — *Include area code*

Date

Signature

Title

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION**Reporting period:****Please return by:****RETURN TO****BUREAU OF THE CENSUS**
1201 East 10th Street
Jeffersonville IN 47132-0001

(Please correct any error in name, address, and ZIP Code)

BEFORE COMPLETING YOUR REPORT, please read the accompanying instruction guide. If book figures are not available for requested data, please provide estimates. If you have any questions, please call 1-800-772-7851.

Through this survey, we are requesting data on a representative sample of your outbound shipments, to help us produce key statistics used by transportation planners and managers. We greatly appreciate your assistance in this program.

Item A Is the establishment name shown in the mailing address correct?

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter correct name. ↗

Item B Mark (X) the **ONE** box which best describes this establishment during the one-week period shown above.

- 1
- ☐
- In operation
-
- 2
- ☐
- Temporarily or seasonally inactive
-
- 3
- ☐
- Ceased operation — Give date →

Month	Day	Year

Item C Is this establishment's physical location the same as the address shown in the label? (PO boxes or rural routes are not physical locations.)

- 1
- ☐
- Yes
-
- 2
- ☐
- No — Enter physical location below. ↗

Number and street

City, town, village, etc.

State

ZIP Code

NOTE — The rest of this questionnaire requests information about shipments (or deliveries) from the establishment located at the address in the mailing label.

If you entered a different address in item C — Please complete the form for shipments originating from the location listed in item C.

Item D Please enter the **total number** of outbound shipments (or deliveries), including customer pick-up, for the one-week reporting period shown above. If book figures are not available, please provide your best estimate.

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This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. Please see Instruction Guide for a definition of "shipment."

**DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.****YOUR RESPONSE IS REQUIRED BY LAW.** Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

Our goal in this section is to identify a sample of your shipments that you will provide data on. Through the use of a sample, we can avoid asking you for information on all of your shipments, while still obtaining statistically accurate information.

FINDING YOUR SELECTION RATE

If you reported 40 or fewer shipments in item D, please enter "1" as your selection rate in the box below, then go directly to item F and enter the information for each of your shipments.

If you reported 41 or more shipments in item D, we will now ask you to select and report on a sample of your shipments. Following the steps below will result in a sample of 20 to 40 shipments to report on in item F.

In the table at right, identify the selection rate that corresponds to the number you entered in item D, and enter it in the box below.

Please enter your selection rate. →

Number of shipments entered in item D	Selection rate
1— 40	1
41— 80	2
81— 100	3
101— 200	5
201— 400	10
401— 800	20
801— 1600	40
1601— 3200	80
3201— 6400	160
6401—12800	320
More than 12800	Call Census at 1-800-772-7851

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
0	123-5	4	26	4,235	140	3 5 1 2 0	Electrical transformers	| | | |
00	402H	4	26	125,300	626,500	1 7 1 0 0	Gasoline	1 2 0 3
1						| | | |		| | | |
2						| | | |		| | | |
3						| | | |		| | | |
4						| | | |		| | | |
5						| | | |		| | | |
6						| | | |		| | | |
7						| | | |		| | | |
8						| | | |		| | | |
9						| | | |		| | | |

Mode of transport codes for columns (k) and (n)

1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

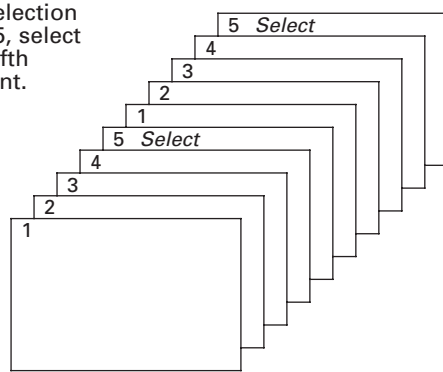
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

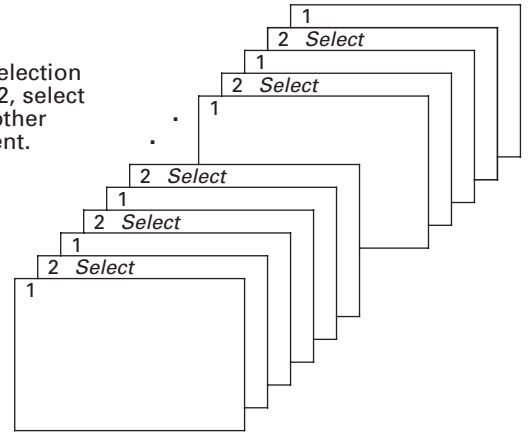
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

If the selection rate is 5, select every fifth shipment.



If the selection rate is 2, select every other shipment.



Once you have selected your sample of shipments, please proceed to item F and enter the requested information for each selected shipment. Examples of completed lines for two shipments are provided on lines "0" and "00" below.

If you have difficulties constructing a file of shipments or have questions about how to select the sample of your shipments, please call our toll-free number for assistance: 1-800-772-7851.

Containerized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
N	Los Angeles	CA	9 0 0 4 0	2, 4, 3	N				0
N	New York	NY	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

Mode of transport codes
for columns (k) and (n)

1 — Parcel delivery, courier, or U.S.
Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued


Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination Enter all that apply in order used. Use codes below. (k)	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code		(l)	City	Country		
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27
									28
									29
									30
									31
									32
									33
									34

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)	If a hazardous material, enter the "UN" or "NA" number (h)
		Month	Day					
35								
36								
37								
38								
39								
40								

Mode of transport codes for columns (k) and (n)


1 — Parcel delivery, courier, or U.S. Postal Service

2 — Private truck
3 — For-hire truck

4 — Railroad
Continued

Item G

Enter the total dollar value of **all** shipments for the one-week reporting period. This figure should represent all products leaving this establishment for the one-week period. An estimate is acceptable.

Total value in whole dollars

Item H

In the last three months did this location have any individual shipments with a value over \$2,000,000?

☐ Yes

☐ No

Item I
AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not this type of facility existed **on-site** during 1997. For each "Yes" in column (b), check "Yes" or "No" in column (c) to indicate whether or not you used the facility on your premises for **outbound shipments** during 1997.

Type of shipping facility (a)	Was a shipping facility of this type on your premises during 1997? (b)	Did you use this facility on your premises for outbound shipments during 1997? (c)
1. Rail siding	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
2. Dock on the Great Lakes	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
3. Dock on inland water	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
4. Dock on deep sea water	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
5. Airport/landing strip capable of handling your shipments	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
6. Pipeline terminal	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No

Containerized? (Y/N)	U.S. destination (Complete for all shipments.)			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)			(m)		(n)	(o)
	City	State	ZIP Code			City	Country		
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel

7 — Pipeline
8 — Air

9 — Other mode
0 — Unknown

Item J **USE OF OFF-SITE SHIPPING FACILITIES**

In column (b), check "Yes" or "No" for each type of shipping facility to indicate whether or not you used an **off-site** facility of that type for **outbound shipments** during 1997. For each "Yes", enter the miles to that off-site facility in column (c), and the mode of transport used to reach that facility in column (d). The modes are listed below.

Type of shipping facility (a)	Did you use this type of off-site facility for outbound shipments during 1997? (b)	Distance to the off-site facility of this type that you used most in 1997 (Report in miles – estimates are acceptable) (c)	Mode of transport used to reach that facility (Enter a code from the list below) (d)
1. Rail siding	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		
2. Dock on the Great Lakes	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		
3. Dock on inland water	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		
4. Dock on deep sea water	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		
5. Airport/landing strip capable of handling your shipments	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		
6. Pipeline terminal	1 <input type="checkbox"/> Yes —————→ 2 <input type="checkbox"/> No		

1 – Trailer on Flat Car (TOFC)
2 – Private Truck

3 – For-Hire Truck
4 – Rail

5 – Water
6 – Pipeline

7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

During 1997, did this location use any of the following types of equipment for outbound shipments? Please check "Yes" or "No." For rail cars reported in number 1 below, enter the approximate percentage of your total outbound rail shipments that used that type of rail car. These percentages should add to 100%. If you had no rail shipments, leave the percentages blank.

Equipment (a)	Was this type of equipment used for outbound shipments during 1993? (b)	Percentage of total rail shipments (c)
1. Rail cars that:	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	
a. Your company owned/leased		
b. A common carrier owned/leased	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	
c. Another party owned/leased (e.g. receiver)	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	
2. Trucks with 6 or more tires or truck-tractors that:	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
a. Your company owned		
b. Your company leased, with driver	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
c. Your company leased, without driver	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
3. Truck trailers that your company owned or leased	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
4. Aircraft that your company owned or leased	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
5. Barges that your company owned or leased	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
6. Other equipment that your company owned or leased – <i>Specify</i> ↴	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	

Item L TRANSPORTATION DECISIONS

During 1997, who generally decided on the mode of transportation for your outbound shipments? *Check the appropriate box.*

1 ☐ Your company2 ☐ Receiver of shipment3 ☐ Other

Remarks

Item M CERTIFICATIONName of person to contact regarding this report – *Please print*Telephone number – *Include area code*

Date

Signature

Title

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

You may use estimates if book figures are not readily available.

If you have questions about completing the survey, a Census Bureau representative will be glad to assist you. You can call us at 1-800-772-7851.

Some instructions are included on the questionnaire itself. However, due to space limitations, most of the instructions and definitions are included in separate reference materials. These include this instruction guide, and a listing of commodity codes to be used for classifying individual shipments in this survey.

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

The CFS produces valuable measures of the demands on the nation's transportation system.

The results of the CFS are used by transportation policy makers to analyze future transportation needs.

Who reports in the CFS?

The CFS covers a sample of establishments in the mining, manufacturing, wholesale, and selected retail industries.

Why is my participation important?

Your establishment was selected as part of a sample designed to represent a wide range of industries and geographic regions.

Your report helps ensure quality results.

Is this survey mandatory?

Yes. The CFS is mandatory under the authority of Title 13, United States Code (USC).

Will my data be kept confidential?

Yes. The same law that requires your participation, Title 13, USC, also guarantees your data will be kept strictly confidential.

The reports you provide the Census Bureau cannot be used for purposes of taxation, regulation, or investigation.

Your report is used only to develop summary data that do not reveal the activities of individual firms or establishments.

How often must I report?

You will be sent four questionnaires in all: one during each quarter of 1997.

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

Please enter the information requested on your establishment's name, operational status, and physical location.

Item D

Enter in the space provided your total number of outbound shipments **for the one week reporting period** on the front of the questionnaire.

Please include in this count any materials picked up by the customer ("customer pick-up").

What we mean by a "shipment":

For the purposes of this survey, a shipment is a single movement of goods, commodities, products, etc. from your location to a customer or to another location of your company.

"Commodities" refer to items that your location produces, sells, or distributes, *not* to items that are considered by-products of your location's operation.

What we don't mean by a "shipment":

Do *not* include as shipments items such as inter-office memos, payroll checks, business correspondence, etc.

Do *not* include as shipments items such as refuse, scrap paper, waste, and recyclable materials **unless** your location is in the business of selling or providing these materials to others.

A special note about "shipments":

A full, or partial, truckload should be counted as a single shipment only if all the commodities on the truck are destined for one location.

If a truck makes multiple deliveries on a route, **please count each stop as one shipment.**

Item E: Sampling Instructions

If you reported 40 or fewer shipments in Item D, complete Item F (Shipment Characteristics) for all of your shipments covered by the one-week reporting period.

If you reported more than 40 shipments in Item D, follow the instructions in Item E in order to select a sample of shipments on which to report in Item F.

By asking you to select a sample of your shipments for the one-week reporting period, we avoid asking you for information on all your shipments, while still obtaining statistically accurate information.

Reminder: The files you are sampling from should reflect the full range of your location's shipping activities in terms of modes of transportation used, commodities shipped, and destinations.

We're here to answer your questions! If you have questions about the sampling process (or any part of the questionnaire) please call us at 1-800-772-7851.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

- **Shipment ID Number (column b)** – Enter the invoice number, shipment number, or some other unique identification number that your establishment could use to find this particular shipping document if questions arise regarding your report.
- **Shipment Date (column c)** – Enter the month and day of the shipment. If shipment date is not available, use the invoice/shipping document date. Use numbers only.
- **Shipment Value (column d)** – Enter the dollar value, in whole dollars, of the entire shipment. The value should not include freight charges or excise taxes (i.e., report the net selling value, f.o.b. plant). If the value is not readily available from your records, please estimate.
- **Shipment Weight (column e)** – Enter the weight of the total shipment in whole pounds. If weight is not readily available from your records, please estimate.
- **Commodity Code (column f)** – Please use the list of Standard Classification of Transported Goods (SCTG) Codes in the enclosed SCTG Manual to select the proper code. For shipments with more than one commodity, enter only the code for the commodity with the greatest weight.
- **Commodity Description (column g)** – Enter a brief description of the commodity shipped. For shipments with more than one commodity, describe only the commodity with the greatest weight. Do not use trade names, catalog numbers, or other codes not familiar to persons outside your business.

Item F SHIPMENT CHARACTERISTICS							
Line No. (a)	Shipment ID Number (b)	Shipment date (c)		Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
		Month	Day				
0	123-5	4	26	4,235	140	3 6 1 2 0	Electrical transformers
00	123-6	4	26	125,300	626,500	1 7 1 0 0	Gasoline
1						| | | |	
2						| | | |	
3						| | | |	
4						| | | |	

Mode of transport codes for columns (k) and (n) ▶
1 — Parcel delivery, courier, or U.S. Postal Service
2 — Private truck
3 — For-hire truck
4 — Railroad
Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **For Hazardous Materials (column h)** – If shipment is a hazardous material, enter the 4-digit United Nations or North American number.
- **Containerized (column i)** – Indicate whether or not the shipment was containerized by entering "Y" or "N" (yes or no). Containerized means that the shipment **left your establishment** in an intermodal container or stackable tank without permanently attached wheels. These containers typically vary from 20 to 53 feet in length, and are carried on truck chassis, trains, and ships.
- **U.S. Destination: City, State, and ZIP Code (column j)** – For domestic shipments, enter the city, state, and 5-digit ZIP Code of the buyer/receiver as it appears on the shipping document. Use the **"ship to"** address. Use the two letter state abbreviation shown in Part IV.

For **export shipments**, report the U.S. **port of exit** as the destination city. The port of exit is the port or airport from which the shipment left the country. In case of land shipments into Mexico or Canada, it is the border crossing.
- **Mode(s) of Transport (column k)** – Enter the code(s) for **all** modes of transport used for the shipment to its U.S. destination (i.e., the destination reported in column j). Codes are located on the bottom of pages 2, 3, 4, and 5 of the questionnaire. Enter in the sequence used, all that apply. See Part III for definitions of each mode.

For Customer Pick-up: Report the mode(s) of transportation used, if known. Otherwise, report mode as "0" (unknown).

For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

If a hazardous material, enter the "UN" or "NA" number (h)	Containerized? (Y/N) (i)	U.S. destination (j)			Mode(s) of transport to U.S. destination Enter all that apply using codes shown below. (k)
		City	State	ZIP Code	
	N	Los Angeles	CA	90040	2, 4, 3
	N	New York	NY	10454	5

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

- **Export Shipment (column l)** – Indicate whether or not the shipment is intended for export outside of the United States, by entering a "Y" or "N" (yes or no). For purposes of this survey, shipments to Puerto Rico and U.S. territories and possessions are considered exports.
- **Foreign Destination: City and Country (column m)** – If the shipment is an export, enter the foreign city and country of destination. **For U.S. Destination (column j),** enter the U.S. port, airport, or border crossing of exit. **In column (k),** enter the mode of transport used to the U.S. destination.
- **Export Mode (column n)** – If the shipment is an export, enter the code for the mode of transport by which the shipment left the country. Codes are located at the bottom of pages 2, 3, 4, and 5 of the questionnaire.

Export? (Y/N) (l)	Foreign destination (for export shipments only) Note: In column (j) enter the U.S. port, airport, or border crossing of exit. (m)		Export mode (n)	Line No. (o)
	City	Country		
N				0
Y	London	England	6	00
				1
				2
				3
				4
				5

Items G – I

Please enter the information requested.

Item J: Certification

Please enter the name and telephone number of the person to contact in the event that we have a question about your report.

PART III – MODE DEFINITIONS

Parcel delivery/Courier/U.S. Postal Service – Delivery services that carry letters, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.

Private truck – Trucks operated by a temporary or permanent employee of this establishment or the buyer/receiver of the shipment.

For-hire truck – Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.

Railroad – Any common carrier or private railroad.

Shallow draft vessel – Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.

Deep draft vessel – Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.

Pipeline – Movements of oil, petroleum, gas, slurry, etc. through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.

Air – Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.

Other mode – Any mode not listed above.

Unknown – The shipment was not carried by a parcel delivery/courier/U.S. Postal service, and you cannot determine what mode of transportation is used.

Note: Commodities that are "shipped" under their own power, such as boats, barges, ferries, ships, aircraft, trucks, and trains **should be classified with the appropriate mode above.** Commodities shipped under their own power for which an appropriate mode is not listed (e.g., buses, recreational vehicles) should be listed as **"other" mode.**

PART IV -- STATE ABBREVIATION LIST

State	Abbrev.	State	Abbrev.
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Rhode Island	RI
Indiana	IN	South Carolina	SC
Iowa	IA	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Maine	ME	Vermont	VT
Maryland	MD	Virginia	VA
Massachusetts	MA	Washington	WA
Michigan	MI	West Virginia	WV
Minnesota	MN	Wisconsin	WI
Mississippi	MS	Wyoming	WY
Missouri	MO		

NOTICE - We estimate that it will take an average of 2 hours to complete this form. This includes time to read instructions, assemble and review information, and record answers on the form. If you have any comments regarding this estimate or any other aspect of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0189, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-0001. Respondents are not required to respond to any information collection unless it displays a valid approval number in the top right corner on the front of the questionnaire.

