South Region

1997

Issued April 2000

EC97TCF-REG(2)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
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

[1]We 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**	**378**
Single modes	**2 038 992**	**86.8**	**4 233 899**	**94.8**	**879 767**	**91.8**	**174**
Truck[1]	1 752 338	74.6	2 897 569	64.9	389 081	40.6	145
For-hire truck	988 765	42.1	1 273 125	28.5	272 585	28.4	472
Private truck	749 237	31.9	1 581 694	35.4	111 987	11.7	61
Rail	128 838	5.5	623 860	14.0	302 617	31.6	736
Water	45 741	1.9	326 956	7.3	138 554	14.5	486
Shallow draft	36 111	1.5	259 968	5.8	94 063	9.8	265
Great Lakes	–	–	–	–	–	–	–
Deep draft	9 630	.4	66 988	1.5	44 492	4.6	1 683
Air (includes truck and air)	47 304	2.0	913	–	1 092	.1	1 147
Pipeline[2]	64 772	2.8	384 602	8.6	S	S	S
Multiple modes	**223 565**	**9.5**	**63 408**	**1.4**	**57 494**	**6.0**	**759**
Parcel, U.S. Postal Service or courier	198 444	8.5	5 766	.1	3 637	.4	758
Truck and rail	21 009	.9	16 102	.4	13 505	1.4	1 078
Truck and water	2 078	–	17 716	.4	19 772	2.1	S
Rail and water	388	–	12 703	.3	6 785	.7	502
Other multiple modes	1 646	–	11 121	.2	13 795	1.4	S
Other and unknown modes	**85 630**	**3.6**	**168 328**	**3.8**	**21 216**	**2.2**	**64**

– 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.
[2]CFS 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	**2 348 187**	**2 032 802**	**15.5**	**4 465 635**	**3 929 951**	**13.6**	**958 477**	**890 682**	**7.6**	**378**	**355**	**6.5**
Single modes	**2 038 992**	**1 800 048**	**13.3**	**4 233 899**	**3 621 999**	**16.9**	**879 767**	**777 348**	**13.2**	**174**	**163**	**6.6**
Truck[1]	1 752 338	1 580 401	10.9	2 897 569	2 449 369	18.3	389 081	325 627	19.5	145	137	5.7
For-hire truck	988 765	887 003	11.5	1 273 125	1 104 545	15.3	272 585	220 374	23.7	472	431	9.5
Private truck	749 237	679 012	10.3	1 581 694	1 336 256	18.4	111 987	104 057	7.6	61	54	11.7
Rail	128 838	102 092	26.2	623 860	629 752	–.9	302 617	285 530	6.0	736	738	–.4
Water	45 741	36 298	26.0	326 956	283 796	15.2	138 554	139 625	–.8	486	S	S
Shallow draft	36 111	25 554	41.3	259 968	213 268	21.9	94 063	75 811	24.1	265	S	S
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	9 630	10 744	–10.4	66 988	70 529	–5.0	44 492	63 814	–30.3	1 683	2 136	–21.2
Air (includes truck and air)	47 304	31 629	49.6	913	653	39.7	1 092	676	61.5	1 147	1 184	–3.1
Pipeline[2]	64 772	49 627	30.5	384 602	258 428	48.8	S	S	S	S	S	S
Multiple modes	**223 565**	**166 162**	**34.5**	**63 408**	**98 739**	**–35.8**	**57 494**	**82 535**	**–30.3**	**759**	**726**	**4.5**
Parcel, U.S. Postal Service or courier	198 444	137 114	44.7	5 766	5 086	13.4	3 637	3 185	14.2	758	724	4.7
Truck and rail	21 009	21 032	–.1	16 102	13 577	18.6	13 505	9 271	45.7	1 078	1 126	–4.2
Truck and water	2 078	3 975	–47.7	17 716	37 455	–52.7	19 772	18 705	5.7	S	1 221	S
Rail and water	388	2 347	–83.5	12 703	32 141	–60.5	6 785	26 042	–73.9	502	797	–37.0
Other multiple modes	1 646	1 694	–2.8	11 121	S	S	13 795	S	S	S	1 152	S
Other and unknown modes	**85 630**	**66 592**	**28.6**	**168 328**	**209 213**	**–19.5**	**21 216**	**30 799**	**–31.1**	**64**	**143**	**–55.2**

– 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. 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.
[2]CFS 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	**86.8**	**88.6**	**94.8**	**92.2**	**91.8**	**87.3**
Truck[1]	74.6	77.7	64.9	62.3	40.6	36.6
For-hire truck	42.1	43.6	28.5	28.1	28.4	24.7
Private truck	31.9	33.4	35.4	34.0	11.7	11.7
Rail	5.5	5.0	14.0	16.0	31.6	32.1
Water	1.9	1.8	7.3	7.2	14.5	15.7
Shallow draft	1.5	1.3	5.8	5.4	9.8	8.5
Great Lakes	–	–	–	–	–	–
Deep draft	.4	.5	1.5	1.8	4.6	7.2
Air (includes truck and air)	2.0	1.6	–	–	.1	–
Pipeline[2]	2.8	2.4	8.6	6.6	S	S
Multiple modes	**9.5**	**8.2**	**1.4**	**2.5**	**6.0**	**9.3**
Parcel, U.S. Postal Service or courier	8.5	6.7	.1	.1	.4	.4
Truck and rail	.9	1.0	.4	.3	1.4	1.0
Truck and water	–	.2	.4	1.0	2.1	2.1
Rail and water	–	.1	.3	.8	.7	2.9
Other multiple modes	–	–	.2	S	1.4	S
Other and unknown modes	**3.6**	**3.3**	**3.8**	**5.3**	**2.2**	**3.5**

– Represents data cell equal to zero or less than 1 unit of measure.
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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.
[2]CFS 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	**958 476**	**100.0**	**372**
Truck	390 322	40.7	143
Rail	318 223	33.2	791
Shallow draft	111 970	11.7	362
Great Lakes	765	–	645
Deep draft	62 041	6.5	3 265
Air	1 009	.1	1 065
Parcel, U.S. Postal Service or courier	3 637	.4	758
Pipeline	S	S	S
Other and unknown modes	22 086	2.3	64

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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]Data 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**
Less than 50 miles	700 923	29.8	2 511 658	56.2	52 662	5.5
50 to 99 miles	194 150	8.3	473 095	10.6	45 119	4.7
100 to 249 miles	401 175	17.1	603 269	13.5	141 467	14.8
250 to 499 miles	380 848	16.2	439 301	9.8	211 085	22.0
500 to 749 miles	250 063	10.6	203 828	4.6	171 747	17.9
750 to 999 miles	154 108	6.6	121 213	2.7	132 190	13.8
1,000 to 1,499 miles	162 475	6.9	85 265	1.9	137 318	14.3
1,500 to 1,999 miles	61 079	2.6	18 731	.4	41 241	4.3
2,000 miles or more	43 367	1.8	9 275	.2	25 647	2.7
Single modes	**2 038 992**	**100.0**	**4 233 899**	**100.0**	**879 767**	**100.0**
Less than 50 miles	624 279	30.6	2 373 802	56.1	49 661	5.6
50 to 99 miles	179 172	8.8	465 968	11.0	44 382	5.0
100 to 249 miles	362 470	17.8	568 018	13.4	131 557	15.0
250 to 499 miles	336 749	16.5	420 467	9.9	197 313	22.4
500 to 749 miles	209 064	10.3	188 500	4.5	156 424	17.8
750 to 999 miles	124 859	6.1	114 928	2.7	124 783	14.2
1,000 to 1,499 miles	123 530	6.1	78 274	1.8	119 639	13.6
1,500 to 1,999 miles	48 135	2.4	16 873	.4	36 943	4.2
2,000 miles or more	30 735	1.5	7 069	.2	19 065	2.2
Truck[1]	**1 752 338**	**100.0**	**2 897 569**	**100.0**	**389 081**	**100.0**
Less than 50 miles	549 746	31.4	1 857 724	64.1	39 019	10.0
50 to 99 miles	168 031	9.6	378 483	13.1	33 444	8.6
100 to 249 miles	322 828	18.4	315 315	10.9	61 786	15.9
250 to 499 miles	289 962	16.5	177 346	6.1	75 377	19.4
500 to 749 miles	174 047	9.9	82 759	2.9	61 325	15.8
750 to 999 miles	95 020	5.4	40 790	1.4	42 159	10.8
1,000 to 1,499 miles	87 805	5.0	30 570	1.1	43 382	11.1
1,500 to 1,999 miles	39 951	2.3	9 599	.3	19 640	5.0
2,000 miles or more	24 948	1.4	4 984	.2	12 949	3.3
For-hire truck	**988 765**	**100.0**	**1 273 125**	**100.0**	**272 585**	**100.0**
Less than 50 miles	148 737	15.0	645 232	50.7	15 026	5.5
50 to 99 miles	67 273	6.8	189 472	14.9	16 713	6.1
100 to 249 miles	175 322	17.7	171 212	13.4	34 471	12.6
250 to 499 miles	228 047	23.1	126 387	9.9	55 143	20.2
500 to 749 miles	148 209	15.0	67 708	5.3	50 275	18.4
750 to 999 miles	85 155	8.6	34 108	2.7	35 033	12.9
1,000 to 1,499 miles	77 890	7.9	26 142	2.1	37 062	13.6
1,500 to 1,999 miles	36 356	3.7	8 381	.7	17 194	6.3
2,000 miles or more	21 777	2.2	4 482	.4	11 667	4.3
Private truck	**749 237**	**100.0**	**1 581 694**	**100.0**	**111 987**	**100.0**
Less than 50 miles	396 856	53.0	1 182 593	74.8	23 132	20.7
50 to 99 miles	99 641	13.3	184 197	11.6	16 277	14.5
100 to 249 miles	144 592	19.3	138 860	8.8	26 308	23.5
250 to 499 miles	59 719	8.0	49 783	3.1	19 710	17.6
500 to 749 miles	23 891	3.2	14 206	.9	10 423	9.3
750 to 999 miles	9 019	1.2	6 300	.4	6 733	6.0
1,000 to 1,499 miles	9 409	1.3	4 167	.3	5 966	5.3
1,500 to 1,999 miles	3 324	.4	1 140	–	2 288	2.0
2,000 miles or more	2 785	.4	449	–	1 150	1.0
Rail	**128 838**	**100.0**	**623 860**	**100.0**	**302 617**	**100.0**
Less than 50 miles	12 872	10.0	132 921	21.3	4 307	1.4
50 to 99 miles	3 230	2.5	39 390	6.3	5 012	1.7
100 to 249 miles	15 035	11.7	143 361	23.0	43 762	14.5
250 to 499 miles	29 087	22.6	186 228	29.9	96 951	32.0
500 to 749 miles	21 590	16.8	50 913	8.2	44 125	14.6
750 to 999 miles	18 216	14.1	31 540	5.1	36 829	12.2
1,000 to 1,499 miles	20 991	16.3	30 932	5.0	50 247	16.6
1,500 to 1,999 miles	4 907	3.8	6 551	1.1	15 464	5.1
2,000 miles or more	2 911	2.3	2 023	.3	5 920	2.0
Water	**45 741**	**100.0**	**326 956**	**100.0**	**138 554**	**100.0**
Less than 50 miles	15 517	33.9	104 462	31.9	2 822	2.0
50 to 99 miles	4 382	9.6	39 473	12.1	5 339	3.9
100 to 249 miles	9 329	20.4	70 089	21.4	19 862	14.3
250 to 499 miles	6 295	13.8	32 316	9.9	17 381	12.5
500 to 749 miles	4 814	10.5	45 147	13.8	44 849	32.4
750 to 999 miles	3 858	8.4	28 635	8.8	33 852	24.4
1,000 to 1,499 miles	1 435	3.1	6 154	1.9	12 692	9.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	**36 111**	**100.0**	**259 968**	**100.0**	**94 063**	**100.0**
Less than 50 miles	11 868	32.9	84 722	32.6	2 448	2.6
50 to 99 miles	3 963	11.0	37 655	14.5	5 156	5.5
100 to 249 miles	8 886	24.6	66 482	25.6	18 798	20.0
250 to 499 miles	5 491	15.2	28 085	10.8	15 555	16.5
500 to 749 miles	3 334	9.2	30 982	11.9	33 616	35.7
750 to 999 miles	2 243	6.2	10 518	4.0	15 589	16.6
1,000 to 1,499 miles	S	S	1 524	.6	2 900	3.1
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	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
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	–	–	–	–	–	–
Deep draft	**9 630**	**100.0**	**66 988**	**100.0**	**44 492**	**100.0**
Less than 50 miles	3 650	37.9	19 740	29.5	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	1 479	15.4	14 166	21.1	11 233	25.2
750 to 999 miles	1 615	16.8	18 117	27.0	18 262	41.0
1,000 to 1,499 miles	1 109	11.5	4 630	6.9	9 792	22.0
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	**47 304**	**100.0**	**913**	**100.0**	**1 092**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	910	1.9	23	2.5	5	.5
100 to 249 miles	7 061	14.9	90	9.8	33	3.0
250 to 499 miles	6 684	14.1	168	18.4	96	8.8
500 to 749 miles	7 116	15.0	199	21.8	203	18.6
750 to 999 miles	7 091	15.0	87	9.5	104	9.5
1,000 to 1,499 miles	12 399	26.2	S	S	374	34.2
1,500 to 1,999 miles	3 178	6.7	43	4.7	84	7.6
2,000 miles or more	2 864	6.1	63	6.9	194	17.7
Pipeline[2]	**64 772**	**100.0**	**384 602**	**100.0**	**S**	**S**
Less than 50 miles	46 144	71.2	278 695	72.5	S	S
50 to 99 miles	2 620	4.0	8 599	2.2	S	S
100 to 249 miles	8 216	12.7	39 163	10.2	S	S
250 to 499 miles	4 720	7.3	24 409	6.3	S	S
500 to 749 miles	1 498	2.3	9 482	2.5	S	S
750 to 999 miles	673	1.0	13 876	3.6	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
Multiple modes	**223 565**	**100.0**	**63 408**	**100.0**	**57 494**	**100.0**
Less than 50 miles	26 902	12.0	8 044	12.7	393	.7
50 to 99 miles	11 316	5.1	1 219	1.9	162	.3
100 to 249 miles	29 619	13.2	19 500	30.8	6 637	11.5
250 to 499 miles	36 524	16.3	11 117	17.5	S	S
500 to 749 miles	35 334	15.8	11 689	18.4	12 697	22.1
750 to 999 miles	26 141	11.7	3 889	6.1	4 898	8.5
1,000 to 1,499 miles	35 440	15.9	5 578	8.8	S	S
1,500 to 1,999 miles	11 203	5.0	1 420	2.2	3 402	5.9
2,000 miles or more	11 085	5.0	952	1.5	2 920	5.1
Parcel, U.S. Postal Service or courier	**198 444**	**100.0**	**5 766**	**100.0**	**3 637**	**100.0**
Less than 50 miles	25 649	12.9	1 028	17.8	24	.7
50 to 99 miles	11 034	5.6	417	7.2	39	1.1
100 to 249 miles	28 571	14.4	984	17.1	208	5.7
250 to 499 miles	30 411	15.3	1 015	17.6	455	12.5
500 to 749 miles	29 563	14.9	819	14.2	607	16.7
750 to 999 miles	23 400	11.8	572	9.9	594	16.3
1,000 to 1,499 miles	31 949	16.1	523	9.1	740	20.4
1,500 to 1,999 miles	8 310	4.2	214	3.7	443	12.2
2,000 miles or more	9 557	4.8	194	3.4	526	14.5
Truck and rail	**21 009**	**100.0**	**16 102**	**100.0**	**13 505**	**100.0**
Less than 50 miles	494	2.4	3 043	18.9	S	S
50 to 99 miles	173	.8	430	2.7	S	S
100 to 249 miles	508	2.4	3 589	22.3	1 020	7.6
250 to 499 miles	5 223	24.9	2 252	14.0	1 155	8.6
500 to 749 miles	5 287	25.2	1 921	11.9	1 684	12.5
750 to 999 miles	2 431	11.6	1 083	6.7	1 286	9.5
1,000 to 1,499 miles	2 710	12.9	1 876	11.7	3 031	22.4
1,500 to 1,999 miles	2 880	13.7	1 182	7.3	2 879	21.3
2,000 miles or more	1 303	6.2	727	4.5	2 186	16.2
Truck and water	**2 078**	**100.0**	**17 716**	**100.0**	**19 772**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	276	1.6	23	.1
100 to 249 miles	294	14.2	7 296	41.2	2 387	12.1
250 to 499 miles	454	21.8	3 463	19.5	2 310	11.7
500 to 749 miles	86	4.1	2 088	11.8	2 250	11.4
750 to 999 miles	S	S	1 090	6.2	1 571	7.9
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	130	6.2	21	.1	155	.8

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	**388**	**100.0**	**12 703**	**100.0**	**6 785**	**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	241	62.2	7 624	60.0	3 021	44.5
250 to 499 miles	S	S	S	S	1 437	21.2
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	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**1 646**	**100.0**	**11 121**	**100.0**	**13 795**	**100.0**
Less than 50 miles	698	42.4	3 061	27.5	168	1.2
50 to 99 miles	42	2.5	S	S	S	S
100 to 249 miles	S	S	7	–	1	–
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	S	S	S	S
Other and unknown modes	**85 630**	**100.0**	**168 328**	**100.0**	**21 216**	**100.0**
Less than 50 miles	49 742	58.1	129 813	77.1	2 608	12.3
50 to 99 miles	3 661	4.3	5 909	3.5	575	2.7
100 to 249 miles	9 086	10.6	15 751	9.4	3 273	15.4
250 to 499 miles	7 576	8.8	7 717	4.6	3 108	14.7
500 to 749 miles	5 664	6.6	3 639	2.2	2 627	12.4
750 to 999 miles	3 108	3.6	2 396	1.4	2 510	11.8
1,000 to 1,499 miles	3 505	4.1	1 413	.8	1 959	9.2
1,500 to 1,999 miles	1 742	2.0	437	.3	895	4.2
2,000 miles or more	1 547	1.8	1 254	.7	3 662	17.3

– 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.
[2]CFS 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**	**378**
Less than 50 lb	214 883	9.2	5 570	.1	2 113	.2	483
50 to 99 lb	64 727	2.8	4 504	.1	1 093	.1	241
100 to 499 lb	200 347	8.5	27 811	.6	5 535	.6	200
500 to 749 lb	60 277	2.6	13 104	.3	2 494	.3	190
750 to 999 lb	43 041	1.8	11 008	.2	2 202	.2	200
1,000 to 9,999 lb	522 240	22.2	185 767	4.2	39 741	4.1	206
10,000 to 49,999 lb	872 377	37.2	1 614 987	36.2	281 419	29.4	177
50,000 to 99,999 lb	109 616	4.7	857 707	19.2	71 513	7.5	81
100,000 lb or more	260 679	11.1	1 745 178	39.1	552 367	57.6	474
Single modes	**2 038 992**	**100.0**	**4 233 899**	**100.0**	**879 767**	**100.0**	**174**
Less than 50 lb	75 868	3.7	2 761	–	409	–	179
50 to 99 lb	36 094	1.8	3 259	–	452	–	135
100 to 499 lb	159 184	7.8	24 748	.6	4 366	.5	169
500 to 749 lb	54 552	2.7	12 357	.3	2 315	.3	187
750 to 999 lb	39 824	2.0	10 460	.2	2 068	.2	197
1,000 to 9,999 lb	480 582	23.6	176 635	4.2	36 924	4.2	203
10,000 to 49,999 lb	842 962	41.3	1 584 900	37.4	266 899	30.3	171
50,000 to 99,999 lb	106 548	5.2	837 681	19.8	64 719	7.4	77
100,000 lb or more	243 378	11.9	1 581 098	37.3	501 616	57.0	472
Truck[1]	**1 752 338**	**100.0**	**2 897 569**	**100.0**	**389 081**	**100.0**	**145**
Less than 50 lb	55 908	3.2	2 686	–	324	–	119
50 to 99 lb	31 073	1.8	3 220	.1	403	.1	121
100 to 499 lb	149 621	8.5	24 606	.8	4 200	1.1	162
500 to 749 lb	52 498	3.0	12 313	.4	2 256	.6	183
750 to 999 lb	39 096	2.2	10 432	.4	2 030	.5	194
1,000 to 9,999 lb	467 328	26.7	175 956	6.1	36 114	9.3	199
10,000 to 49,999 lb	828 137	47.3	1 577 352	54.4	259 455	66.7	167
50,000 to 99,999 lb	99 257	5.7	829 941	28.6	60 537	15.6	74
100,000 lb or more	29 422	1.7	261 062	9.0	23 761	6.1	121
For-hire truck	**988 765**	**100.0**	**1 273 125**	**100.0**	**272 585**	**100.0**	**472**
Less than 50 lb	15 373	1.6	375	–	203	–	512
50 to 99 lb	9 808	1.0	443	–	244	–	546
100 to 499 lb	71 824	7.3	4 897	.4	3 016	1.1	611
500 to 749 lb	26 650	2.7	2 625	.2	1 598	.6	606
750 to 999 lb	20 788	2.1	2 231	.2	1 392	.5	624
1,000 to 9,999 lb	260 909	26.4	47 369	3.7	24 498	9.0	545
10,000 to 49,999 lb	518 921	52.5	707 590	55.6	190 748	70.0	289
50,000 to 99,999 lb	45 937	4.6	393 985	30.9	33 184	12.2	85
100,000 lb or more	18 555	1.9	113 609	8.9	17 701	6.5	203
Private truck	**749 237**	**100.0**	**1 581 694**	**100.0**	**111 987**	**100.0**	**61**
Less than 50 lb	40 011	5.3	2 296	.1	118	.1	54
50 to 99 lb	21 014	2.8	2 767	.2	156	.1	55
100 to 499 lb	76 589	10.2	19 549	1.2	1 148	1.0	57
500 to 749 lb	25 213	3.4	9 573	.6	629	.6	65
750 to 999 lb	18 056	2.4	8 092	.5	620	.6	76
1,000 to 9,999 lb	203 153	27.1	126 576	8.0	11 203	10.0	83
10,000 to 49,999 lb	302 743	40.4	844 461	53.4	65 854	58.8	79
50,000 to 99,999 lb	52 509	7.0	429 310	27.1	26 811	23.9	64
100,000 lb or more	9 947	1.3	139 071	8.8	5 448	4.9	54
Rail	**128 838**	**100.0**	**623 860**	**100.0**	**302 617**	**100.0**	**736**
Less than 50 lb	26	–	S	S	–	–	280
50 to 99 lb	S	S	S	S	–	–	S
100 to 499 lb	82	–	8	–	9	–	1 143
500 to 749 lb	S	S	3	–	S	S	1 369
750 to 999 lb	27	–	5	–	6	–	1 333
1,000 to 9,999 lb	4 357	3.4	421	–	544	.2	1 268
10,000 to 49,999 lb	12 422	9.6	5 998	1.0	7 029	2.3	1 188
50,000 to 99,999 lb	6 958	5.4	6 912	1.1	4 005	1.3	583
100,000 lb or more	104 904	81.4	610 511	97.9	291 019	96.2	658
Water	**45 741**	**100.0**	**326 956**	**100.0**	**138 554**	**100.0**	**486**
Less than 50 lb	S	S	–	–	–	–	92
50 to 99 lb	S	S	S	S	S	S	3 609
100 to 499 lb	S	S	2	–	–	–	17
500 to 749 lb	S	S	1	–	–	–	S
750 to 999 lb	4	–	1	–	S	S	21
1,000 to 9,999 lb	117	.3	27	–	S	S	115
10,000 to 49,999 lb	426	.9	S	S	144	.1	139
50,000 to 99,999 lb	S	S	345	.1	S	S	187
100,000 lb or more	44 885	98.1	325 708	99.6	138 320	99.8	457
Shallow draft	**36 111**	**100.0**	**259 968**	**100.0**	**94 063**	**100.0**	**265**
Less than 50 lb	3	–	–	–	S	S	83
50 to 99 lb	1	–	–	–	–	–	14
100 to 499 lb	S	S	2	–	–	–	16
500 to 749 lb	S	S	1	–	–	–	26
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	74	.2	S	S	S	S	138
10,000 to 49,999 lb	254	.7	S	S	128	.1	S
50,000 to 99,999 lb	S	S	334	.1	S	S	192
100,000 lb or more	35 507	98.3	258 793	99.5	93 847	99.8	428

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	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–
Deep draft	**9 630**	**100.0**	**66 988**	**100.0**	**44 492**	**100.0**	**1 683**
Less than 50 lb	S	S	S	S	S	S	216
50 to 99 lb	S	S	S	S	S	S	5 099
100 to 499 lb	S	S	S	S	S	S	20
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	29
1,000 to 9,999 lb	S	S	S	S	S	S	89
10,000 to 49,999 lb	S	S	51	–	S	S	242
50,000 to 99,999 lb	S	S	S	S	S	S	22
100,000 lb or more	9 378	97.4	66 915	99.9	44 473	100.0	693
Air (includes truck and air)	**47 304**	**100.0**	**913**	**100.0**	**1 092**	**100.0**	**1 147**
Less than 50 lb	19 909	42.1	72	7.9	84	7.7	1 137
50 to 99 lb	4 994	10.6	36	3.9	46	4.2	1 288
100 to 499 lb	9 456	20.0	131	14.4	157	14.4	1 178
500 to 749 lb	1 826	3.9	40	4.4	54	5.0	1 353
750 to 999 lb	696	1.5	22	2.4	31	2.8	1 408
1,000 to 9,999 lb	8 660	18.3	219	24.0	264	24.2	1 235
10,000 to 49,999 lb	S	S	191	20.9	218	19.9	1 062
50,000 to 99,999 lb	S	S	S	S	S	S	842
100,000 lb or more	S	S	S	S	S	S	1 501
Pipeline[2]	**64 772**	**100.0**	**384 602**	**100.0**	**S**	**S**	**S**
Less than 50 lb	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	13	–	S	S	S
10,000 to 49,999 lb	278	.4	S	S	S	S	S
50,000 to 99,999 lb	198	.3	387	.1	S	S	S
100,000 lb or more	64 156	99.0	383 710	99.8	S	S	S
Multiple modes	**223 565**	**100.0**	**63 408**	**100.0**	**57 494**	**100.0**	**759**
Less than 50 lb	130 484	58.4	2 418	3.8	1 677	2.9	771
50 to 99 lb	26 049	11.7	1 003	1.6	624	1.1	618
100 to 499 lb	35 247	15.8	1 845	2.9	1 097	1.9	613
500 to 749 lb	4 218	1.9	286	.5	141	.2	495
750 to 999 lb	2 084	.9	193	.3	102	.2	522
1,000 to 9,999 lb	10 625	4.8	1 137	1.8	1 177	2.0	990
10,000 to 49,999 lb	9 185	4.1	6 185	9.8	8 109	14.1	1 322
50,000 to 99,999 lb	1 115	.5	10 919	17.2	5 271	9.2	457
100,000 lb or more	4 559	2.0	39 421	62.2	39 297	68.4	842
Parcel, U.S. Postal Service or courier	**198 444**	**100.0**	**5 766**	**100.0**	**3 637**	**100.0**	**758**
Less than 50 lb	130 479	65.8	2 418	41.9	1 676	46.1	771
50 to 99 lb	26 047	13.1	1 003	17.4	624	17.2	618
100 to 499 lb	35 217	17.7	1 840	31.9	1 085	29.8	607
500 to 749 lb	4 191	2.1	283	4.9	137	3.8	485
750 to 999 lb	2 064	1.0	192	3.3	100	2.7	515
1,000 to 9,999 lb	446	.2	30	.5	S	S	480
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**21 009**	**100.0**	**16 102**	**100.0**	**13 505**	**100.0**	**1 078**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	511
100 to 499 lb	17	–	S	S	1	–	S
500 to 749 lb	S	S	2	–	S	S	1 481
750 to 999 lb	S	S	1	–	1	–	1 078
1,000 to 9,999 lb	10 134	48.2	1 076	6.7	1 125	8.3	1 033
10,000 to 49,999 lb	8 718	41.5	5 839	36.3	7 880	58.3	1 364
50,000 to 99,999 lb	549	2.6	1 850	11.5	867	6.4	451
100,000 lb or more	1 549	7.4	7 330	45.5	3 627	26.9	793
Truck and water	**2 078**	**100.0**	**17 716**	**100.0**	**19 772**	**100.0**	**S**
Less than 50 lb	S	S	–	–	S	S	4 624
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	2	–	S	S	6 316
500 to 749 lb	S	S	S	S	S	S	7 494
750 to 999 lb	S	S	S	S	S	S	4 603
1,000 to 9,999 lb	38	1.8	10	–	36	.2	3 952
10,000 to 49,999 lb	221	10.6	214	1.2	180	.9	S
50,000 to 99,999 lb	251	12.1	8 244	46.5	4 383	22.2	529
100,000 lb or more	1 549	74.6	9 245	52.2	S	S	993

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	**388**	**100.0**	**12 703**	**100.0**	**6 785**	**100.0**	**502**
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	S	S	S	S	S	S	412
10,000 to 49,999 lb	S	S	S	S	S	S	3 733
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	387	99.7	12 701	100.0	6 783	100.0	446
Other multiple modes	**1 646**	**100.0**	**11 121**	**100.0**	**13 795**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	37
50 to 99 lb	S	S	S	S	S	S	149
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	35
1,000 to 9,999 lb	7	.4	S	S	1	–	S
10,000 to 49,999 lb	S	S	131	1.2	S	S	347
50,000 to 99,999 lb	315	19.1	825	7.4	21	.2	25
100,000 lb or more	1 073	65.2	10 145	91.2	13 727	99.5	1 577
Other and unknown modes	**85 630**	**100.0**	**168 328**	**100.0**	**21 216**	**100.0**	**64**
Less than 50 lb	8 531	10.0	391	.2	27	.1	54
50 to 99 lb	2 584	3.0	242	.1	17	–	69
100 to 499 lb	5 916	6.9	1 218	.7	73	.3	62
500 to 749 lb	1 508	1.8	461	.3	38	.2	83
750 to 999 lb	1 133	1.3	354	.2	33	.2	97
1,000 to 9,999 lb	31 033	36.2	7 994	4.7	1 640	7.7	183
10,000 to 49,999 lb	20 230	23.6	23 902	14.2	6 412	30.2	291
50,000 to 99,999 lb	1 954	2.3	9 106	5.4	1 522	7.2	156
100,000 lb or more	12 742	14.9	124 659	74.1	11 454	54.0	293

– 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.
[2]CFS 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**	**378**
01	Live animals and live fish	2 082	–	2 229	–	680	–	359
02	Cereal grains	12 447	.5	93 425	2.1	16 401	1.7	80
03	Other agricultural products	28 044	1.2	53 544	1.2	14 667	1.5	203
04	Animal feed and products of animal origin, n.e.c.	22 814	1.0	80 762	1.8	10 660	1.1	40
05	Meat, fish, seafood, and their preparations	61 878	2.6	30 812	.7	12 734	1.3	152
06	Milled grain products and preparations, and bakery products	29 633	1.3	23 827	.5	9 025	.9	89
07	Other prepared foodstuffs and fats and oils	104 054	4.4	124 712	2.8	31 675	3.3	132
08	Alcoholic beverages	27 871	1.2	23 651	.5	4 089	.4	31
09	Tobacco products	38 916	1.7	3 085	–	855	–	478
10	Monumental or building stone	755	–	6 051	.1	486	–	158
11	Natural sands	1 481	–	177 493	4.0	11 601	1.2	42
12	Gravel and crushed stone	4 316	.2	671 150	15.0	36 406	3.8	43
13	Nonmetallic minerals n.e.c.	5 293	.2	104 223	2.3	28 800	3.0	204
14	Metallic ores and concentrates	2 308	.1	11 063	.2	3 737	.4	212
15	Coal	13 306	.6	529 110	11.8	147 442	15.4	96
17	Gasoline and aviation turbine fuel	88 933	3.8	487 052	10.9	96 689	10.1	46
18	Fuel oils	42 177	1.8	235 449	5.3	31 596	3.3	30
19	Coal and petroleum products, n.e.c.	37 583	1.6	181 176	4.1	37 801	3.9	119
20	Basic chemicals	108 045	4.6	194 411	4.4	88 699	9.3	228
21	Pharmaceutical products	70 002	3.0	4 923	.1	3 095	.3	684
22	Fertilizers	13 073	.6	102 268	2.3	27 107	2.8	96
23	Chemical products and preparations, n.e.c.	61 116	2.6	36 449	.8	17 210	1.8	318
24	Plastics and rubber	108 620	4.6	59 035	1.3	38 201	4.0	290
25	Logs and other wood in the rough	5 948	.3	231 110	5.2	16 033	1.7	68
26	Wood products	51 182	2.2	174 948	3.9	42 523	4.4	242
27	Pulp, newsprint, paper, and paperboard	43 104	1.8	69 092	1.5	43 764	4.6	178
28	Paper or paperboard articles	31 959	1.4	24 638	.6	8 220	.9	222
29	Printed products	61 379	2.6	25 874	.6	5 572	.6	416
30	Textiles, leather, and articles of textiles or leather	200 973	8.6	32 351	.7	15 828	1.7	817
31	Nonmetallic mineral products	38 260	1.6	337 896	7.6	35 463	3.7	219
32	Base metal in primary or semifinished forms and in finished basic shapes	72 761	3.1	87 986	2.0	35 162	3.7	210
33	Articles of base metal	70 445	3.0	38 223	.9	15 843	1.7	306
34	Machinery	125 334	5.3	14 352	.3	7 756	.8	275
35	Electronic and other electrical equipment and components and office equipment	265 208	11.3	15 287	.3	9 101	.9	505
36	Motorized and other vehicles (including parts)	155 181	6.6	22 495	.5	11 082	1.2	233
37	Transportation equipment, n.e.c.	26 147	1.1	1 974	–	1 297	.1	737
38	Precision instruments and apparatus	40 091	1.7	1 055	–	694	–	789
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	40 012	1.7	8 284	.2	4 249	.4	504
40	Miscellaneous manufactured products	115 174	4.9	37 598	.8	13 073	1.4	660
41	Waste and scrap	7 954	.3	43 439	1.0	10 852	1.1	171
43	Mixed freight	101 032	4.3	43 088	1.0	6 087	.6	141
--	Commodity unknown	11 297	.5	S	S	S	S	347

– 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**	**378**
010	Live animals and live fish	2 082	–	2 229	–	680	–	359
021	Wheat	2 581	.1	19 182	.4	4 569	.5	138
022	Corn, except sweet	5 302	.2	47 408	1.1	5 151	.5	54
029	Other cereal grains	4 564	.2	26 835	.6	6 681	.7	113
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 206	–	2 173	–	287	–	49
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	5 922	.3	7 607	.2	2 493	.3	67
033	Fresh, chilled, or dried edible fruit and nuts	3 274	.1	5 618	.1	2 407	.3	507
034	Soya beans	6 713	.3	25 639	.6	5 150	.5	95
035	Oil seeds and nuts, except olives and soya beans	2 470	.1	5 977	.1	2 429	.3	161
036	Bulbs, live plants, and seeds for sowing, n.e.c.	1 127	–	718	–	130	–	235
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	7 333	.3	5 812	.1	1 771	.2	S
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.	6 362	.3	20 838	.5	4 967	.5	S
042	Animal feed preparations	16 452	.7	59 925	1.3	5 693	.6	35
051	Meat including poultry, except preparations	53 564	2.3	28 554	.6	11 562	1.2	122
052	Fish, except live, and seafood, except preparations	6 756	.3	1 351	–	569	–	173
053	Preparations, extracts, and juices of meat, fish, or seafood	1 557	–	S	S	S	S	844
061	Wheat flour, groats, and meal	1 829	–	5 854	.1	1 224	.1	111
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	2 293	.1	4 457	.1	2 981	.3	204
063	Food preparations of cereals, flour, starch, or milk	6 715	.3	3 829	–	1 404	.1	155
064	Bakery products	18 795	.8	9 687	.2	3 416	.4	75
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	12 562	.5	15 278	.3	2 062	.2	50
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	20 668	.9	13 725	.3	5 961	.6	409
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	5 736	.2	1 695	–	999	.1	166
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	7 827	.3	15 584	.3	6 047	.6	121
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	6 090	.3	14 367	.3	6 287	.7	198
076	Confectionery, cocoa, and cocoa preparations	4 724	.2	1 306	–	798	–	338
077	Edible preparations, n.e.c. and vinegar	15 926	.7	9 970	.2	3 918	.4	294
078	Nonalcoholic beverages, n.e.c. and ice	30 520	1.3	52 786	1.2	5 603	.6	39
081	Malt Beer	17 738	.8	20 654	.5	3 311	.3	26
082	Wine and other fermented beverages	2 617	.1	910	–	33	–	35
083	Spirituous beverages and ethyl alcohol	7 516	.3	2 087	–	745	–	49
090	Tobacco products	38 916	1.7	3 085	–	855	–	478
100	Monumental or building stone, except dolomite	755	–	6 051	.1	486	–	158
110	Natural sands, except metal-bearing	1 481	–	177 493	4.0	11 601	1.2	42
120	Gravel and crushed stone, except dolomite and slate	4 316	.2	671 150	15.0	36 406	3.8	43
131	Salt	698	–	12 689	.3	S	S	121
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	505	–	13 844	.3	1 967	.2	783
133	Dolomite	126	–	S	S	S	S	S
139	Other nonmetallic minerals	3 964	.2	63 929	1.4	16 079	1.7	197
141	Iron ores and concentrates	145	–	2 810	–	149	–	57
149	Other metallic ores and concentrates	2 163	–	8 253	.2	3 588	.4	283
151	Nonagglomerated bituminous coal	12 615	.5	475 641	10.7	146 488	15.3	99
159	Other coal	692	–	53 469	1.2	953	.1	35
171	Gasoline	83 549	3.6	421 579	9.4	72 937	7.6	46
172	Aviation turbine fuel (types A and B)	5 384	.2	65 473	1.5	23 752	2.5	58
180	Fuel oils	42 177	1.8	235 449	5.3	31 596	3.3	30
191	Lubricating oils and greases	14 321	.6	24 629	.6	11 829	1.2	167
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	6 139	.3	31 257	.7	8 267	.9	53
193	Gaseous hydrocarbons	9 225	.4	36 598	.8	3 688	.4	53
199	Other products of petroleum refining, and coal products	7 897	.3	88 693	2.0	14 018	1.5	101
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	4 152	.2	26 213	.6	13 935	1.5	350
202	Inorganic chemicals, n.e.c.	19 823	.8	61 126	1.4	18 997	2.0	96
203	Cyclic hydrocarbons	6 566	.3	11 089	.2	3 881	.4	287
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	14 625	.6	19 776	.4	12 588	1.3	367
205	Organic chemicals, n.e.c.	62 881	2.7	76 206	1.7	39 299	4.1	479
210	Pharmaceutical products	70 002	3.0	4 923	.1	3 095	.3	684
220	Fertilizers and fertilizer materials	13 073	.6	102 268	2.3	27 107	2.8	96
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	11 246	.5	5 691	.1	2 047	.2	103
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	8 477	.4	1 442	–	825	–	644
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	9 961	.4	9 586	.2	5 636	.6	271
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	3 544	.2	389	–	144	–	169
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	11 017	.5	3 748	–	1 470	.2	154
239	Other chemical products and preparations	16 872	.7	15 593	.3	7 088	.7	266
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	34 901	1.5	33 239	.7	25 142	2.6	420
242	Manmade fibers and plastics basic shapes and articles	50 159	2.1	19 562	.4	9 745	1.0	321

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	23 560	1.0	6 234	.1	3 314	.3	201
250	Logs and other wood in the rough	5 948	.3	231 110	5.2	16 033	1.7	68
261	Wood chips or particles	1 447	–	57 413	1.3	5 821	.6	72
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	24 324	1.0	57 712	1.3	14 364	1.5	205
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	14 843	.6	41 832	.9	19 639	2.0	243
264	Builders' joinery and carpentry of wood, except shingles and shakes	6 180	.3	2 586	–	640	–	194
269	Other wood products	4 388	.2	15 405	.3	2 059	.2	484
271	Pulp of fibrous cellulosic materials	3 572	.2	8 460	.2	5 204	.5	276
272	Newsprint in large rolls or sheets	3 134	.1	5 287	.1	2 569	.3	161
273	Uncoated paper and paperboard in large rolls or sheets	23 359	1.0	39 911	.9	26 371	2.8	127
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	13 039	.6	15 434	.3	9 620	1.0	306
280	Paper or paperboard articles	31 959	1.4	24 638	.6	8 220	.9	222
291	Printed books, brochures, leaflets, and similar printed products	21 541	.9	4 463	.1	1 424	.1	813
292	Newspapers, journals, and periodicals	18 264	.8	14 889	.3	1 108	.1	63
293	Advertising material, commercial or trade catalogues, and similar printed products	8 660	.4	4 242	–	1 857	.2	403
299	Other printed products	12 914	.5	2 279	–	1 183	.1	492
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	53 282	2.3	14 523	.3	6 111	.6	647
302	Textile clothing and accessories, and headgear, except safety	86 653	3.7	5 194	.1	2 603	.3	880
303	Textiles and textile articles, n.e.c.	51 040	2.2	11 700	.3	6 700	.7	716
304	Footwear	7 194	.3	S	S	277	–	904
305	Leather and articles, luggage of related materials, and dressed furskins and articles	2 805	.1	260	–	137	–	720
311	Hydraulic cements	2 788	.1	51 069	1.1	4 946	.5	92
312	Ceramic products	5 353	.2	17 463	.4	3 564	.4	538
313	Glass and glass products	11 154	.5	10 346	.2	5 123	.5	298
319	Other nonmetallic mineral products	18 965	.8	259 018	5.8	21 830	2.3	71
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	5 737	.2	9 743	.2	2 998	.3	171
322	Flat-rolled products of iron or steel	17 550	.7	32 447	.7	9 747	1.0	149
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	18 287	.8	32 034	.7	13 984	1.5	195
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	31 187	1.3	13 762	.3	8 432	.9	292
331	Pipes, tubes, and fittings	26 337	1.1	19 398	.4	8 087	.8	231
332	Structures and parts, except prefabricated buildings	12 815	.5	10 046	.2	4 110	.4	252
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	17 825	.8	3 220	–	1 344	.1	361
339	Other articles of metal	13 468	.6	5 559	.1	2 303	.2	278
341	Internal-combustion piston engines	16 314	.7	1 438	–	745	–	198
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	9 957	.4	479	–	363	–	408
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	15 406	.7	1 735	–	1 062	.1	330
344	Air-conditioning, refrigerating, or freezing equipment	15 602	.7	2 671	–	1 545	.2	188
345	Materials-handling, excavating, boring, and related machinery and equipment	15 939	.7	2 891	–	1 479	.2	289
349	Other machinery	52 115	2.2	5 137	.1	2 561	.3	294
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13 201	.6	2 047	–	1 328	.1	359
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	4 849	.2	1 124	–	551	–	328
353	Line telephone or telegraph apparatus	20 268	.9	348	–	235	–	613
354	Electronic entertainment products, except parts	17 469	.7	937	–	619	–	723
355	Computer and office equipment	74 295	3.2	1 460	–	1 217	.1	717
356	Prepared unrecorded or prerecorded media	10 197	.4	551	–	350	–	903
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	11 929	.5	152	–	141	–	843
358	Electronic components and parts	48 068	2.0	872	–	439	–	971
359	Other electronic and electrical equipment	64 933	2.8	7 795	.2	4 222	.4	254
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	60 088	2.6	6 420	.1	3 314	.3	405
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	13 475	.6	1 965	–	1 325	.1	483
363	Other vehicles	20 564	.9	4 880	.1	1 903	.2	371
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	61 054	2.6	9 229	.2	4 540	.5	210
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	3 062	.1	1 350	–	779	–	690
372	Aircraft and spacecraft	17 501	.7	106	–	94	–	825
373	Ships, boats, and floating structures	5 584	.2	518	–	423	–	429
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	172	–	160	–	866
382	Photographic and photocopying machines	4 536	.2	137	–	45	–	603
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	1 404	–	S	S	S	S	545
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	12 842	.5	517	–	365	–	772
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	8 452	.4	173	–	110	–	423

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	40 012	1.7	8 284	.2	4 249	.4	504
401	Arms and ammunition	2 205	–	78	–	62	–	801
402	Toys, games, and sporting equipment	14 835	.6	1 482	–	722	–	899
409	Miscellaneous manufactured products	98 134	4.2	36 038	.8	12 288	1.3	625
411	Metallic waste and scrap	6 524	.3	28 418	.6	6 599	.7	136
412	Nonmetallic waste and scrap, except from food processing	1 430	–	15 021	.3	4 253	.4	230
439	Mixed freight	101 032	4.3	43 088	1.0	6 087	.6	141
—	Commodity unknown	11 297	.5	S	S	S	S	347

– 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	**2 348 187**	**100.0**	**4 465 635**	**100.0**	**958 477**	**100.0**	**378**
Single modes	**2 038 992**	**86.8**	**4 233 899**	**94.8**	**879 767**	**91.8**	**174**
Truck[1]	1 752 338	74.6	2 897 569	64.9	389 081	40.6	145
For-hire truck	988 765	42.1	1 273 125	28.5	272 585	28.4	472
Private truck	749 237	31.9	1 581 694	35.4	111 987	11.7	61
Rail	128 838	5.5	623 860	14.0	302 617	31.6	736
Water	45 741	1.9	326 956	7.3	138 554	14.5	486
Shallow draft	36 111	1.5	259 968	5.8	94 063	9.8	265
Great Lakes	–	–	–	–	–	–	–
Deep draft	9 630	.4	66 988	1.5	44 492	4.6	1 683
Air (includes truck and air)	47 304	2.0	913	–	1 092	.1	1 147
Pipeline[2]	64 772	2.8	384 602	8.6	S	S	S
Multiple modes	**223 565**	**9.5**	**63 408**	**1.4**	**57 494**	**6.0**	**759**
Parcel, U.S. Postal Service or courier	198 444	8.5	5 766	.1	3 637	.4	758
Truck and rail	21 009	.9	16 102	.4	13 505	1.4	1 078
Truck and water	2 078	–	17 716	.4	19 772	2.1	S
Rail and water	388	–	12 703	.3	6 785	.7	502
Other multiple modes	1 646	–	11 121	.2	13 795	1.4	S
Other and unknown modes	**85 630**	**3.6**	**168 328**	**3.8**	**21 216**	**2.2**	**64**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**2 082**	**100.0**	**2 229**	**100.0**	**680**	**100.0**	**359**
Single modes	**2 065**	**99.2**	**2 223**	**99.7**	**678**	**99.7**	**315**
Truck[1]	2 062	99.0	2 223	99.7	678	99.7	182
For-hire truck	1 049	50.4	818	36.7	508	74.7	613
Private truck	1 013	48.7	1 405	63.0	170	25.0	109
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 336
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**677**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	677
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**172**
SCTG 02, CEREAL GRAINS							
Total	**12 447**	**100.0**	**93 425**	**100.0**	**16 401**	**100.0**	**80**
Single modes	**7 520**	**60.4**	**58 043**	**62.1**	**14 507**	**88.5**	**74**
Truck[1]	3 755	30.2	28 934	31.0	2 883	17.6	64
For-hire truck	1 980	15.9	16 321	17.5	1 827	11.1	140
Private truck	1 683	13.5	11 815	12.6	992	6.0	41
Rail	1 366	11.0	10 059	10.8	5 473	33.4	644
Water	2 400	19.3	19 050	20.4	6 151	37.5	652
Shallow draft	1 606	12.9	14 257	15.3	4 395	26.8	614
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	790
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**645**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	703
Truck and rail	S	S	S	S	S	S	183
Truck and water	S	S	S	S	S	S	399
Rail and water	–	–	–	–	–	–	–
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 03, OTHER AGRICULTURAL PRODUCTS							
Total	**28 044**	**100.0**	**53 544**	**100.0**	**14 667**	**100.0**	**203**
Single modes	**25 837**	**92.1**	**46 887**	**87.6**	**13 084**	**89.2**	**85**
Truck[1]	21 341	76.1	30 596	57.1	8 789	59.9	83
For-hire truck	9 825	35.0	13 531	25.3	6 993	47.7	701
Private truck	11 333	40.4	16 667	31.1	1 661	11.3	37
Rail	1 295	4.6	3 842	7.2	1 431	9.8	632
Water	3 181	11.3	12 445	23.2	2 856	19.5	334
Shallow draft	2 075	7.4	7 716	14.4	2 643	18.0	360
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	52
Air (includes truck and air)	20	–	4	–	8	–	1 735
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**364**	**1.3**	**S**	**S**	**349**	**2.4**	**1 145**
Parcel, U.S. Postal Service or courier	247	.9	44	–	48	.3	1 145
Truck and rail	117	.4	S	S	301	2.1	1 114
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 843**	**6.6**	**5 502**	**10.3**	**S**	**S**	**54**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**22 814**	**100.0**	**80 762**	**100.0**	**10 660**	**100.0**	**40**
Single modes	**21 363**	**93.6**	**77 176**	**95.6**	**10 134**	**95.1**	**36**
Truck[1]	20 265	88.8	72 121	89.3	7 842	73.6	35
For-hire truck	5 356	23.5	16 040	19.9	3 950	37.1	243
Private truck	14 865	65.2	55 861	69.2	3 875	36.3	25
Rail	899	3.9	3 494	4.3	1 699	15.9	577
Water	S	S	S	S	S	S	526
Shallow draft	S	S	S	S	S	S	655
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	4
Air (includes truck and air)	S	S	S	S	S	S	1 445
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**847**	**3.7**	**1 645**	**2.0**	**351**	**3.3**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	521	2.3	391	.5	242	2.3	598
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	152	.7	S	S	S	S	93
Other and unknown modes	**604**	**2.6**	**1 941**	**2.4**	**176**	**1.6**	**21**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**61 878**	**100.0**	**30 812**	**100.0**	**12 734**	**100.0**	**152**
Single modes	**60 670**	**98.0**	**30 163**	**97.9**	**12 497**	**98.1**	**136**
Truck[1]	59 815	96.7	29 782	96.7	12 188	95.7	126
For-hire truck	29 009	46.9	14 750	47.9	8 934	70.2	598
Private truck	30 013	48.5	14 616	47.4	3 034	23.8	78
Rail	S	S	S	S	262	2.1	1 077
Water	S	S	S	S	S	S	24
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	92
Air (includes truck and air)	S	S	S	S	S	S	1 666
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**148**	**.2**	**45**	**.1**	**S**	**S**	**1 330**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 334
Truck and rail	S	S	24	–	S	S	1 056
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 059**	**1.7**	**603**	**2.0**	**194**	**1.5**	**121**

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	**29 633**	**100.0**	**23 827**	**100.0**	**9 025**	**100.0**	**89**
Single modes	**29 292**	**98.8**	**23 505**	**98.6**	**8 787**	**97.4**	**83**
Truck[1]	28 605	96.5	21 781	91.4	6 996	77.5	81
For-hire truck	9 911	33.4	10 053	42.2	4 642	51.4	365
Private truck	18 585	62.7	11 671	49.0	2 330	25.8	67
Rail	677	2.3	1 713	7.2	1 778	19.7	1 122
Water	S	S	S	S	S	S	700
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 204
Air (includes truck and air)	S	S	S	S	S	S	1 078
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**134**	**.5**	**138**	**.6**	**180**	**2.0**	**694**
Parcel, U.S. Postal Service or courier	28	–	5	–	2	–	680
Truck and rail	106	.4	131	.6	165	1.8	1 139
Truck and water	S	S	S	S	S	S	7 273
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**208**	**.7**	**184**	**.8**	**58**	**.6**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**104 054**	**100.0**	**124 712**	**100.0**	**31 675**	**100.0**	**132**
Single modes	**101 320**	**97.4**	**121 041**	**97.1**	**28 922**	**91.3**	**66**
Truck[1]	97 153	93.4	110 180	88.3	22 117	69.8	65
For-hire truck	34 156	32.8	36 197	29.0	14 123	44.6	449
Private truck	61 750	59.3	72 094	57.8	7 752	24.5	47
Rail	3 146	3.0	7 709	6.2	5 577	17.6	918
Water	924	.9	2 939	2.4	1 228	3.9	S
Shallow draft	924	.9	2 939	2.4	1 228	3.9	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1	–	–	–	–	–	1 047
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 856**	**1.8**	**2 710**	**2.2**	**2 455**	**7.7**	**895**
Parcel, U.S. Postal Service or courier	369	.4	59	–	45	.1	894
Truck and rail	697	.7	726	.6	716	2.3	1 064
Truck and water	777	.7	1 899	1.5	S	S	239
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	872
Other and unknown modes	**878**	**.8**	**960**	**.8**	**298**	**.9**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**27 871**	**100.0**	**23 651**	**100.0**	**4 089**	**100.0**	**31**
Single modes	**27 365**	**98.2**	**23 193**	**98.1**	**3 824**	**93.5**	**30**
Truck[1]	26 605	95.5	22 553	95.4	3 409	83.4	30
For-hire truck	5 770	20.7	5 662	23.9	2 185	53.4	221
Private truck	20 834	74.8	16 891	71.4	1 224	29.9	27
Rail	758	2.7	S	S	415	10.1	901
Water	S	S	S	S	S	S	14
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	S	S	S	S	S	S	807
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**259**	**.9**	**S**	**S**	**S**	**S**	**385**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	485
Truck and rail	251	.9	S	S	S	S	S
Truck and water	S	S	S	S	S	S	40
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	5 028
Other and unknown modes	**247**	**.9**	**239**	**1.0**	**S**	**S**	**21**

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	**38 916**	**100.0**	**3 085**	**100.0**	**855**	**100.0**	**478**
Single modes	**38 085**	**97.9**	**3 027**	**98.1**	**805**	**94.1**	**129**
Truck[1]	38 077	97.8	3 026	98.1	805	94.1	129
For-hire truck	24 674	63.4	955	31.0	711	83.2	678
Private truck	13 300	34.2	2 066	67.0	91	10.7	66
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	17
Shallow draft	S	S	S	S	S	S	23
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	S	S	S	S	S	S	1 775
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**562**	**1.4**	**18**	**.6**	**S**	**S**	**1 398**
Parcel, U.S. Postal Service or courier	337	.9	11	.4	12	1.4	1 397
Truck and rail	S	S	S	S	S	S	3 245
Truck and water	S	S	S	S	S	S	6 990
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 730
Other and unknown modes	**269**	**.7**	**39**	**1.3**	**6**	**.7**	**77**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**755**	**100.0**	**6 051**	**100.0**	**486**	**100.0**	**158**
Single modes	**719**	**95.3**	**6 015**	**99.4**	**471**	**96.9**	**131**
Truck[1]	716	94.8	5 976	98.8	450	92.6	128
For-hire truck	262	34.8	977	16.1	330	68.0	380
Private truck	440	58.4	3 339	55.2	110	22.7	S
Rail	S	S	S	S	S	S	548
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	4 616
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**669**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	669
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**1 481**	**100.0**	**177 493**	**100.0**	**11 601**	**100.0**	**42**
Single modes	**1 445**	**97.5**	**175 033**	**98.6**	**11 142**	**96.0**	**40**
Truck[1]	1 284	86.7	162 570	91.6	6 891	59.4	38
For-hire truck	649	43.8	85 809	48.3	4 716	40.7	57
Private truck	633	42.7	76 088	42.9	2 133	18.4	22
Rail	145	9.8	5 882	3.3	2 016	17.4	292
Water	15	1.0	6 580	3.7	2 234	19.3	129
Shallow draft	15	1.0	6 580	3.7	2 234	19.3	129
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	821
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**779**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	866
Truck and rail	S	S	S	S	S	S	180
Truck and water	S	S	S	S	S	S	212
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27**	**1.8**	**2 432**	**1.4**	**456**	**3.9**	**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 12, GRAVEL AND CRUSHED STONE							
Total	**4 316**	**100.0**	**671 150**	**100.0**	**36 406**	**100.0**	**43**
Single modes	**4 271**	**99.0**	**664 621**	**99.0**	**36 019**	**98.9**	**43**
Truck[1]	4 012	93.0	618 569	92.2	24 831	68.2	41
For-hire truck	1 568	36.3	246 652	36.8	9 588	26.3	36
Private truck	2 345	54.3	358 047	53.3	14 880	40.9	46
Rail	194	4.5	34 894	5.2	7 099	19.5	217
Water	65	1.5	11 158	1.7	4 089	11.2	233
Shallow draft	65	1.5	11 158	1.7	4 089	11.2	233
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	222
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**5**	**.1**	**701**	**.1**	**S**	**S**	**464**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 028
Truck and rail	S	S	S	S	S	S	425
Truck and water	S	S	S	S	S	S	182
Rail and water	S	S	S	S	S	S	184
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41**	**.9**	**5 828**	**.9**	**249**	**.7**	**36**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**5 293**	**100.0**	**104 223**	**100.0**	**28 800**	**100.0**	**204**
Single modes	**5 052**	**95.4**	**101 681**	**97.6**	**26 363**	**91.5**	**191**
Truck[1]	3 659	69.1	61 814	59.3	7 162	24.9	170
For-hire truck	2 065	39.0	23 547	22.6	5 337	18.5	267
Private truck	1 590	30.0	37 515	36.0	1 809	6.3	124
Rail	1 173	22.2	23 864	22.9	10 388	36.1	593
Water	109	2.1	S	S	S	S	813
Shallow draft	99	1.9	S	S	S	S	1 015
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	177
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline[2]	96	1.8	7 702	7.4	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**544**
Parcel, U.S. Postal Service or courier	22	.4	S	S	1	–	476
Truck and rail	S	S	S	S	S	S	1 083
Truck and water	S	S	S	S	S	S	1 740
Rail and water	S	S	S	S	S	S	1 214
Other multiple modes	S	S	S	S	5	–	18
Other and unknown modes	**64**	**1.2**	**533**	**.5**	**149**	**.5**	**220**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**2 308**	**100.0**	**11 063**	**100.0**	**3 737**	**100.0**	**212**
Single modes	**2 096**	**90.8**	**10 590**	**95.7**	**3 359**	**89.9**	**181**
Truck[1]	1 414	61.3	6 830	61.7	929	24.9	143
For-hire truck	905	39.2	5 790	52.3	809	21.6	203
Private truck	496	21.5	1 036	9.4	117	3.1	58
Rail	289	12.5	1 646	14.9	1 444	38.6	896
Water	S	S	S	S	983	26.3	396
Shallow draft	93	4.0	562	5.1	907	24.3	824
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	48
Air (includes truck and air)	S	S	S	S	S	S	1 620
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**111**	**4.8**	**218**	**2.0**	**217**	**5.8**	**698**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	672
Truck and rail	S	S	S	S	S	S	1 834
Truck and water	S	S	203	1.8	192	5.1	947
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**224**

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	**13 306**	**100.0**	**529 110**	**100.0**	**147 442**	**100.0**	**96**
Single modes	**11 405**	**85.7**	**434 827**	**82.2**	**127 110**	**86.2**	**51**
Truck[1]	2 649	19.9	107 396	20.3	3 406	2.3	36
For-hire truck	2 163	16.3	81 328	15.4	2 836	1.9	38
Private truck	486	3.6	26 068	4.9	571	.4	S
Rail	7 634	57.4	282 026	53.3	107 937	73.2	355
Water	1 122	8.4	45 404	8.6	15 767	10.7	367
Shallow draft	1 122	8.4	45 404	8.6	15 767	10.7	373
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**733**	**5.5**	**27 334**	**5.2**	**17 251**	**11.7**	**521**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	25
Truck and rail	S	S	S	S	389	.3	301
Truck and water	256	1.9	9 905	1.9	5 200	3.5	527
Rail and water	339	2.5	11 533	2.2	5 701	3.9	391
Other multiple modes	S	S	S	S	S	S	1 481
Other and unknown modes	**1 168**	**8.8**	**66 950**	**12.7**	**3 081**	**2.1**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**88 933**	**100.0**	**487 052**	**100.0**	**96 689**	**100.0**	**46**
Single modes	**87 714**	**98.6**	**482 215**	**99.0**	**86 142**	**89.1**	**48**
Truck[1]	52 601	59.1	212 097	43.5	11 808	12.2	47
For-hire truck	21 106	23.7	88 122	18.1	6 139	6.3	70
Private truck	30 408	34.2	119 343	24.5	5 112	5.3	33
Rail	S	S	S	S	37	–	374
Water	6 768	7.6	57 294	11.8	38 617	39.9	445
Shallow draft	4 446	5.0	29 353	6.0	14 897	15.4	290
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 322	2.6	27 942	5.7	23 720	24.5	845
Air (includes truck and air)	S	S	S	S	S	S	1 288
Pipeline[2]	28 295	31.8	212 569	43.6	S	S	S
Multiple modes	**704**	**.8**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 008
Truck and rail	S	S	S	S	S	S	214
Truck and water	S	S	S	S	S	S	5 291
Rail and water	–	–	–	–	–	–	–
Other multiple modes	380	.4	1 140	.2	S	S	S
Other and unknown modes	**515**	**.6**	**1 817**	**.4**	**50**	**–**	**S**
SCTG 18, FUEL OILS							
Total	**42 177**	**100.0**	**235 449**	**100.0**	**31 596**	**100.0**	**30**
Single modes	**40 996**	**97.2**	**229 373**	**97.4**	**25 384**	**80.3**	**31**
Truck[1]	19 243	45.6	90 799	38.6	4 971	15.7	31
For-hire truck	6 485	15.4	32 217	13.7	2 336	7.4	77
Private truck	12 349	29.3	56 771	24.1	2 577	8.2	23
Rail	252	.6	1 644	.7	525	1.7	430
Water	5 053	12.0	38 883	16.5	10 000	31.6	115
Shallow draft	3 907	9.3	29 822	12.7	6 410	20.3	102
Great Lakes	–	–	–	–	–	–	–
Deep draft	1 146	2.7	9 061	3.8	S	S	268
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	16 448	39.0	98 047	41.6	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**468**	**1.1**	**1 971**	**.8**	**70**	**.2**	**16**

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	**37 583**	**100.0**	**181 176**	**100.0**	**37 801**	**100.0**	**119**
Single modes	**36 074**	**96.0**	**176 557**	**97.5**	**36 837**	**97.4**	**115**
Truck[1]	16 320	43.4	71 094	39.2	10 750	28.4	109
For-hire truck	7 411	19.7	36 257	20.0	5 991	15.8	246
Private truck	8 382	22.3	31 728	17.5	S	S	91
Rail	4 772	12.7	18 544	10.2	11 390	30.1	649
Water	7 741	20.6	51 281	28.3	13 322	35.2	432
Shallow draft	6 688	17.8	44 520	24.6	6 955	18.4	335
Great Lakes	–	–	–	–	–	–	–
Deep draft	1 053	2.8	6 761	3.7	6 367	16.8	887
Air (includes truck and air)	S	S	S	S	S	S	1 718
Pipeline[2]	7 232	19.2	35 634	19.7	S	S	S
Multiple modes	**323**	**.9**	**495**	**.3**	**610**	**1.6**	**523**
Parcel, U.S. Postal Service or courier	64	.2	8	–	5	–	494
Truck and rail	S	S	S	S	S	S	1 500
Truck and water	S	S	S	S	S	S	251
Rail and water	S	S	S	S	S	S	417
Other multiple modes	S	S	S	S	S	S	1 856
Other and unknown modes	**1 186**	**3.2**	**4 125**	**2.3**	**354**	**.9**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**108 045**	**100.0**	**194 411**	**100.0**	**88 699**	**100.0**	**228**
Single modes	**102 311**	**94.7**	**185 152**	**95.2**	**85 270**	**96.1**	**154**
Truck[1]	45 402	42.0	63 546	32.7	20 343	22.9	120
For-hire truck	36 113	33.4	40 438	20.8	17 092	19.3	414
Private truck	8 940	8.3	22 624	11.6	3 136	3.5	53
Rail	31 585	29.2	49 732	25.6	39 324	44.3	949
Water	14 051	13.0	45 590	23.5	24 895	28.1	464
Shallow draft	11 712	10.8	36 435	18.7	16 951	19.1	492
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 339	2.2	9 155	4.7	7 944	9.0	310
Air (includes truck and air)	S	S	S	S	S	S	1 319
Pipeline[2]	11 123	10.3	26 278	13.5	S	S	S
Multiple modes	**1 864**	**1.7**	**1 474**	**.8**	**1 853**	**2.1**	**579**
Parcel, U.S. Postal Service or courier	944	.9	42	–	25	–	575
Truck and rail	761	.7	526	.3	739	.8	1 300
Truck and water	S	S	S	S	S	S	1 038
Rail and water	S	S	S	S	S	S	4 355
Other multiple modes	75	–	S	S	S	S	475
Other and unknown modes	**3 870**	**3.6**	**7 785**	**4.0**	**1 577**	**1.8**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**70 002**	**100.0**	**4 923**	**100.0**	**3 095**	**100.0**	**684**
Single modes	**52 480**	**75.0**	**4 589**	**93.2**	**2 879**	**93.0**	**244**
Truck[1]	48 321	69.0	4 423	89.8	2 441	78.9	209
For-hire truck	32 229	46.0	2 946	59.8	2 194	70.9	355
Private truck	15 331	21.9	1 400	28.4	211	6.8	137
Rail	S	S	S	S	S	S	1 993
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	4 066	5.8	16	.3	18	.6	1 056
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**16 589**	**23.7**	**215**	**4.4**	**138**	**4.5**	**846**
Parcel, U.S. Postal Service or courier	16 517	23.6	206	4.2	120	3.9	846
Truck and rail	71	.1	8	.2	13	.4	1 757
Truck and water	S	S	S	S	S	S	7 411
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**933**	**1.3**	**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 22, FERTILIZERS							
Total	**13 073**	**100.0**	**102 268**	**100.0**	**27 107**	**100.0**	**96**
Single modes	**12 294**	**94.0**	**98 286**	**96.1**	**24 424**	**90.1**	**97**
Truck[1]	6 598	50.5	34 978	34.2	4 706	17.4	76
For-hire truck	2 494	19.1	16 520	16.2	3 199	11.8	218
Private truck	3 837	29.4	16 742	16.4	1 428	5.3	54
Rail	3 996	30.6	52 654	51.5	15 428	56.9	734
Water	1 315	10.1	8 325	8.1	3 677	13.6	314
Shallow draft	1 017	7.8	6 782	6.6	3 460	12.8	327
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	135
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	385	2.9	2 330	2.3	S	S	S
Multiple modes	**103**	**.8**	**602**	**.6**	**S**	**S**	**806**
Parcel, U.S. Postal Service or courier	S	S	1	–	–	–	796
Truck and rail	S	S	S	S	S	S	1 216
Truck and water	S	S	S	S	S	S	1 238
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 280
Other and unknown modes	**S**	**S**	**3 380**	**3.3**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**61 116**	**100.0**	**36 449**	**100.0**	**17 210**	**100.0**	**318**
Single modes	**55 359**	**90.6**	**33 981**	**93.2**	**15 672**	**91.1**	**197**
Truck[1]	50 097	82.0	28 695	78.7	11 743	68.2	190
For-hire truck	32 262	52.8	18 970	52.0	10 116	58.8	511
Private truck	16 939	27.7	9 028	24.8	1 396	8.1	57
Rail	4 232	6.9	3 792	10.4	3 868	22.5	1 036
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	32
Air (includes truck and air)	103	.2	9	–	14	–	1 267
Pipeline[2]	S	S	455	1.2	S	S	S
Multiple modes	**3 989**	**6.5**	**812**	**2.2**	**1 117**	**6.5**	**666**
Parcel, U.S. Postal Service or courier	2 973	4.9	182	.5	89	.5	664
Truck and rail	1 005	1.6	616	1.7	1 014	5.9	1 613
Truck and water	S	S	S	S	S	S	4 858
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	240
Other and unknown modes	**1 769**	**2.9**	**1 656**	**4.5**	**421**	**2.4**	**31**
SCTG 24, PLASTICS AND RUBBER							
Total	**108 620**	**100.0**	**59 035**	**100.0**	**38 201**	**100.0**	**290**
Single modes	**98 152**	**90.4**	**55 772**	**94.5**	**35 872**	**93.9**	**192**
Truck[1]	81 144	74.7	35 482	60.1	17 033	44.6	175
For-hire truck	56 084	51.6	25 105	42.5	14 908	39.0	540
Private truck	24 688	22.7	10 155	17.2	2 046	5.4	62
Rail	16 584	15.3	20 207	34.2	18 799	49.2	962
Water	S	S	S	S	S	S	144
Shallow draft	S	S	S	S	S	S	153
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	107
Air (includes truck and air)	395	.4	39	–	38	.1	1 223
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**6 689**	**6.2**	**1 273**	**2.2**	**1 745**	**4.6**	**601**
Parcel, U.S. Postal Service or courier	4 610	4.2	248	.4	169	.4	598
Truck and rail	1 965	1.8	1 009	1.7	1 565	4.1	1 574
Truck and water	S	S	S	S	S	S	5 325
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	706
Other and unknown modes	**3 779**	**3.5**	**S**	**S**	**584**	**1.5**	**47**

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	**5 948**	**100.0**	**231 110**	**100.0**	**16 033**	**100.0**	**68**
Single modes	**5 771**	**97.0**	**227 634**	**98.5**	**15 290**	**95.4**	**59**
Truck[1]	5 506	92.6	218 090	94.4	11 836	73.8	58
For-hire truck	2 402	40.4	87 200	37.7	5 763	35.9	72
Private truck	3 071	51.6	128 448	55.6	5 861	36.6	47
Rail	206	3.5	S	S	S	S	S
Water	S	S	S	S	S	S	179
Shallow draft	S	S	S	S	S	S	179
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 236
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 114**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 400
Truck and rail	S	S	S	S	S	S	512
Truck and water	S	S	S	S	S	S	284
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**96**	**1.6**	**1 522**	**.7**	**131**	**.8**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**51 182**	**100.0**	**174 948**	**100.0**	**42 523**	**100.0**	**242**
Single modes	**49 598**	**96.9**	**172 337**	**98.5**	**41 228**	**97.0**	**153**
Truck[1]	44 258	86.5	145 617	83.2	25 535	60.0	143
For-hire truck	22 078	43.1	75 386	43.1	17 484	41.1	305
Private truck	21 902	42.8	68 763	39.3	7 736	18.2	88
Rail	5 174	10.1	23 280	13.3	14 540	34.2	671
Water	S	S	S	S	S	S	257
Shallow draft	S	S	S	S	S	S	294
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	12
Air (includes truck and air)	10	–	1	–	–	–	1 260
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**674**	**1.3**	**590**	**.3**	**742**	**1.7**	**752**
Parcel, U.S. Postal Service or courier	491	1.0	40	–	28	–	750
Truck and rail	182	.4	547	.3	712	1.7	1 044
Truck and water	S	S	S	S	S	S	764
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	239
Other and unknown modes	**910**	**1.8**	**2 022**	**1.2**	**553**	**1.3**	**71**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**43 104**	**100.0**	**69 092**	**100.0**	**43 764**	**100.0**	**178**
Single modes	**41 848**	**97.1**	**67 083**	**97.1**	**42 273**	**96.6**	**162**
Truck[1]	29 813	69.2	39 303	56.9	19 446	44.4	139
For-hire truck	21 000	48.7	31 448	45.5	18 089	41.3	500
Private truck	8 642	20.0	7 713	11.2	1 343	3.1	48
Rail	11 963	27.8	27 639	40.0	22 812	52.1	828
Water	S	S	S	S	S	S	181
Shallow draft	S	S	S	S	S	S	311
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	78
Air (includes truck and air)	S	S	S	S	S	S	849
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**713**	**1.7**	**1 060**	**1.5**	**1 170**	**2.7**	**440**
Parcel, U.S. Postal Service or courier	220	.5	37	–	14	–	413
Truck and rail	464	1.1	960	1.4	1 111	2.5	1 240
Truck and water	S	S	S	S	S	S	1 067
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**543**	**1.3**	**949**	**1.4**	**321**	**.7**	**61**

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	**31 959**	**100.0**	**24 638**	**100.0**	**8 220**	**100.0**	**222**
Single modes	**29 822**	**93.3**	**23 892**	**97.0**	**7 847**	**95.5**	**119**
Truck[1]	29 469	92.2	23 187	94.1	7 236	88.0	106
For-hire truck	18 121	56.7	14 320	58.1	6 126	74.5	283
Private truck	11 269	35.3	8 839	35.9	1 096	13.3	66
Rail	306	1.0	696	2.8	603	7.3	903
Water	S	S	S	S	S	S	75
Shallow draft	S	S	S	S	S	S	78
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	37	.1	S	S	6	–	1 314
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 314**	**4.1**	**243**	**1.0**	**220**	**2.7**	**556**
Parcel, U.S. Postal Service or courier	1 141	3.6	139	.6	61	.7	555
Truck and rail	168	.5	103	.4	151	1.8	1 442
Truck and water	S	S	S	S	S	S	7 460
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	287
Other and unknown modes	**823**	**2.6**	**503**	**2.0**	**153**	**1.9**	**63**
SCTG 29, PRINTED PRODUCTS							
Total	**61 379**	**100.0**	**25 874**	**100.0**	**5 572**	**100.0**	**416**
Single modes	**43 297**	**70.5**	**22 988**	**88.8**	**4 673**	**83.9**	**155**
Truck[1]	42 495	69.2	22 906	88.5	4 569	82.0	98
For-hire truck	21 873	35.6	9 543	36.9	3 899	70.0	407
Private truck	20 339	33.1	13 317	51.5	665	11.9	27
Rail	S	S	19	–	27	.5	S
Water	S	S	S	S	S	S	11
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	5
Air (includes truck and air)	720	1.2	63	.2	77	1.4	898
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**14 231**	**23.2**	**920**	**3.6**	**690**	**12.4**	**750**
Parcel, U.S. Postal Service or courier	14 018	22.8	832	3.2	528	9.5	750
Truck and rail	212	.3	87	.3	161	2.9	2 272
Truck and water	S	S	S	S	S	S	7 386
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**3 851**	**6.3**	**1 966**	**7.6**	**209**	**3.7**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**200 973**	**100.0**	**32 351**	**100.0**	**15 828**	**100.0**	**817**
Single modes	**179 803**	**89.5**	**30 931**	**95.6**	**14 628**	**92.4**	**690**
Truck[1]	178 935	89.0	30 577	94.5	14 131	89.3	639
For-hire truck	107 263	53.4	17 212	53.2	11 045	69.8	856
Private truck	70 301	35.0	13 072	40.4	2 979	18.8	168
Rail	303	.2	S	S	448	2.8	787
Water	S	S	S	S	S	S	30
Shallow draft	S	S	S	S	S	S	41
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	563	.3	35	.1	48	.3	1 529
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**16 953**	**8.4**	**835**	**2.6**	**942**	**6.0**	**912**
Parcel, U.S. Postal Service or courier	16 226	8.1	616	1.9	519	3.3	911
Truck and rail	S	S	218	.7	S	S	1 954
Truck and water	S	S	S	S	S	S	3 103
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	74
Other and unknown modes	**4 217**	**2.1**	**585**	**1.8**	**259**	**1.6**	**190**

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	**38 260**	**100.0**	**337 896**	**100.0**	**35 463**	**100.0**	**219**
Single modes	**36 066**	**94.3**	**331 160**	**98.0**	**33 169**	**93.5**	**98**
Truck[1]	34 615	90.5	320 111	94.7	27 260	76.9	90
For-hire truck	18 293	47.8	82 256	24.3	18 695	52.7	350
Private truck	16 098	42.1	234 980	69.5	8 187	23.1	42
Rail	865	2.3	8 611	2.5	5 412	15.3	647
Water	128	.3	2 362	.7	419	1.2	S
Shallow draft	128	.3	2 362	.7	419	1.2	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 222
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 232**	**3.2**	**2 127**	**.6**	**865**	**2.4**	**909**
Parcel, U.S. Postal Service or courier	951	2.5	62	–	44	.1	913
Truck and rail	256	.7	1 921	.6	759	2.1	488
Truck and water	S	S	S	S	47	.1	S
Rail and water	S	S	S	S	S	S	4 692
Other multiple modes	S	S	S	S	S	S	340
Other and unknown modes	**962**	**2.5**	**4 609**	**1.4**	**1 429**	**4.0**	**103**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**72 761**	**100.0**	**87 986**	**100.0**	**35 162**	**100.0**	**210**
Single modes	**69 412**	**95.4**	**82 980**	**94.3**	**31 840**	**90.6**	**162**
Truck[1]	60 415	83.0	64 901	73.8	19 573	55.7	154
For-hire truck	39 611	54.4	38 904	44.2	16 401	46.6	452
Private truck	20 566	28.3	25 401	28.9	3 088	8.8	66
Rail	8 162	11.2	15 664	17.8	10 765	30.6	722
Water	S	S	S	S	1 455	4.1	703
Shallow draft	S	S	S	S	1 455	4.1	703
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	183	.3	38	–	47	.1	1 151
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 451**	**2.0**	**1 028**	**1.2**	**1 317**	**3.7**	**534**
Parcel, U.S. Postal Service or courier	1 210	1.7	73	–	35	.1	532
Truck and rail	148	.2	152	.2	213	.6	1 402
Truck and water	S	S	S	S	S	S	1 049
Rail and water	–	–	–	–	–	–	5 387
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 898**	**2.6**	**3 978**	**4.5**	**2 004**	**5.7**	**126**
SCTG 33, ARTICLES OF BASE METAL							
Total	**70 445**	**100.0**	**38 223**	**100.0**	**15 843**	**100.0**	**306**
Single modes	**60 212**	**85.5**	**36 594**	**95.7**	**14 669**	**92.6**	**187**
Truck[1]	57 696	81.9	33 096	86.6	11 883	75.0	169
For-hire truck	34 006	48.3	19 592	51.3	8 481	53.5	509
Private truck	23 210	32.9	13 118	34.3	3 203	20.2	73
Rail	1 745	2.5	3 061	8.0	2 281	14.4	963
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	4 956
Air (includes truck and air)	546	.8	55	.1	67	.4	1 244
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**7 520**	**10.7**	**478**	**1.3**	**444**	**2.8**	**552**
Parcel, U.S. Postal Service or courier	7 312	10.4	332	.9	216	1.4	552
Truck and rail	114	.2	36	–	64	.4	1 702
Truck and water	94	.1	S	S	S	S	5 139
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 714**	**3.9**	**1 151**	**3.0**	**730**	**4.6**	**85**

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	**125 334**	**100.0**	**14 352**	**100.0**	**7 756**	**100.0**	**275**
Single modes	**104 513**	**83.4**	**13 203**	**92.0**	**7 138**	**92.0**	**180**
Truck[1]	100 276	80.0	12 969	90.4	6 927	89.3	147
For-hire truck	71 794	57.3	9 203	64.1	6 102	78.7	469
Private truck	28 165	22.5	3 698	25.8	792	10.2	52
Rail	1 542	1.2	185	1.3	154	2.0	958
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)	2 693	2.1	50	.3	58	.7	1 152
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**15 353**	**12.2**	**532**	**3.7**	**436**	**5.6**	**439**
Parcel, U.S. Postal Service or courier	14 668	11.7	405	2.8	191	2.5	438
Truck and rail	624	.5	116	.8	215	2.8	1 713
Truck and water	S	S	S	S	30	.4	6 406
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**5 468**	**4.4**	**617**	**4.3**	**181**	**2.3**	**65**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**265 208**	**100.0**	**15 287**	**100.0**	**9 101**	**100.0**	**505**
Single modes	**194 056**	**73.2**	**13 889**	**90.9**	**8 289**	**91.1**	**298**
Truck[1]	173 112	65.3	13 594	88.9	7 918	87.0	222
For-hire truck	131 135	49.4	9 434	61.7	6 603	72.6	709
Private truck	40 455	15.3	3 985	26.1	1 165	12.8	51
Rail	685	.3	119	.8	173	1.9	1 482
Water	S	S	S	S	S	S	58
Shallow draft	S	S	S	S	S	S	58
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	58
Air (includes truck and air)	20 181	7.6	169	1.1	198	2.2	1 239
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**60 353**	**22.8**	**773**	**5.1**	**614**	**6.7**	**760**
Parcel, U.S. Postal Service or courier	59 919	22.6	719	4.7	470	5.2	759
Truck and rail	423	.2	53	.3	136	1.5	2 519
Truck and water	S	S	S	S	S	S	7 743
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	88
Other and unknown modes	**10 799**	**4.1**	**625**	**4.1**	**198**	**2.2**	**55**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**155 181**	**100.0**	**22 495**	**100.0**	**11 082**	**100.0**	**233**
Single modes	**119 833**	**77.2**	**18 532**	**82.4**	**9 100**	**82.1**	**121**
Truck[1]	104 727	67.5	17 090	76.0	7 576	68.4	91
For-hire truck	75 609	48.7	11 665	51.9	5 970	53.9	398
Private truck	28 621	18.4	5 390	24.0	1 594	14.4	36
Rail	13 964	9.0	1 379	6.1	1 467	13.2	975
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 141	.7	62	.3	57	.5	1 043
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**16 255**	**10.5**	**1 460**	**6.5**	**1 357**	**12.2**	**559**
Parcel, U.S. Postal Service or courier	6 051	3.9	312	1.4	161	1.5	553
Truck and rail	10 198	6.6	1 147	5.1	1 194	10.8	1 035
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	7 000
Other multiple modes	S	S	S	S	S	S	50
Other and unknown modes	**19 093**	**12.3**	**2 503**	**11.1**	**625**	**5.6**	**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 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**26 147**	**100.0**	**1 974**	**100.0**	**1 297**	**100.0**	**737**
Single modes	**21 749**	**83.2**	**1 893**	**95.9**	**1 093**	**84.3**	**674**
Truck[1]	15 383	58.8	1 038	52.6	567	43.7	325
For-hire truck	9 974	38.1	551	27.9	375	28.9	706
Private truck	5 231	20.0	482	24.4	185	14.3	155
Rail	1 646	6.3	759	38.5	496	38.3	793
Water	421	1.6	S	S	S	S	154
Shallow draft	338	1.3	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	388
Air (includes truck and air)	4 299	16.4	15	.8	19	1.5	1 330
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 666**	**14.0**	**34**	**1.7**	**52**	**4.0**	**854**
Parcel, U.S. Postal Service or courier	3 570	13.7	17	.9	15	1.1	853
Truck and rail	70	.3	16	.8	37	2.9	1 832
Truck and water	S	S	S	S	S	S	21
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	489
Other and unknown modes	**732**	**2.8**	**46**	**2.4**	**S**	**S**	**308**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**40 091**	**100.0**	**1 055**	**100.0**	**694**	**100.0**	**789**
Single modes	**17 825**	**44.5**	**803**	**76.1**	**491**	**70.8**	**472**
Truck[1]	14 239	35.5	739	70.1	453	65.3	258
For-hire truck	9 543	23.8	578	54.8	433	62.3	391
Private truck	4 662	11.6	160	15.2	20	2.9	90
Rail	S	S	S	S	S	S	1 771
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	2
Air (includes truck and air)	3 560	8.9	S	S	37	5.3	927
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**20 867**	**52.0**	**190**	**18.0**	**160**	**23.0**	**890**
Parcel, U.S. Postal Service or courier	20 837	52.0	186	17.6	147	21.1	890
Truck and rail	S	S	S	S	S	S	2 078
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 400**	**3.5**	**62**	**5.8**	**43**	**6.2**	**230**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**40 012**	**100.0**	**8 284**	**100.0**	**4 249**	**100.0**	**504**
Single modes	**38 108**	**95.2**	**8 043**	**97.1**	**4 045**	**95.2**	**433**
Truck[1]	37 786	94.4	8 018	96.8	3 997	94.1	422
For-hire truck	19 132	47.8	4 309	52.0	2 928	68.9	729
Private truck	18 078	45.2	3 595	43.4	990	23.3	143
Rail	64	.2	18	.2	40	.9	2 273
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	258	.6	6	–	8	.2	1 246
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 166**	**2.9**	**122**	**1.5**	**120**	**2.8**	**838**
Parcel, U.S. Postal Service or courier	1 063	2.7	97	1.2	79	1.9	835
Truck and rail	92	.2	23	.3	32	.8	1 636
Truck and water	S	S	S	S	S	S	7 596
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**739**	**1.8**	**120**	**1.4**	**84**	**2.0**	**81**

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	**115 174**	**100.0**	**37 598**	**100.0**	**13 073**	**100.0**	**660**
Single modes	**88 166**	**76.6**	**35 335**	**94.0**	**11 870**	**90.8**	**338**
Truck[1]	80 209	69.6	34 412	91.5	10 873	83.2	255
For-hire truck	44 037	38.2	16 813	44.7	7 950	60.8	558
Private truck	35 673	31.0	17 146	45.6	2 607	19.9	146
Rail	S	S	842	2.2	950	7.3	1 068
Water	S	S	S	S	S	S	604
Shallow draft	S	S	S	S	S	S	8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 906
Air (includes truck and air)	S	S	32	–	43	.3	1 269
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**22 726**	**19.7**	**928**	**2.5**	**778**	**5.9**	**863**
Parcel, U.S. Postal Service or courier	22 173	19.3	733	1.9	537	4.1	863
Truck and rail	545	.5	192	.5	232	1.8	1 622
Truck and water	S	S	S	S	S	S	7 512
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**4 281**	**3.7**	**1 335**	**3.6**	**425**	**3.2**	**123**
SCTG 41, WASTE AND SCRAP							
Total	**7 954**	**100.0**	**43 439**	**100.0**	**10 852**	**100.0**	**171**
Single modes	**7 591**	**95.4**	**41 270**	**95.0**	**10 167**	**93.7**	**168**
Truck[1]	5 731	72.1	27 385	63.0	5 456	50.3	150
For-hire truck	3 500	44.0	17 694	40.7	4 389	40.4	229
Private truck	2 227	28.0	9 645	22.2	1 063	9.8	77
Rail	1 630	20.5	12 256	28.2	3 976	36.6	340
Water	207	2.6	1 569	3.6	735	6.8	483
Shallow draft	179	2.3	1 306	3.0	685	6.3	522
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	245
Air (includes truck and air)	S	S	S	S	S	S	1 164
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**219**	**2.8**	**736**	**1.7**	**475**	**4.4**	**1 109**
Parcel, U.S. Postal Service or courier	S	S	S	S	–	–	1 341
Truck and rail	162	2.0	252	.6	277	2.6	1 139
Truck and water	S	S	S	S	S	S	310
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**144**	**1.8**	**S**	**S**	**211**	**1.9**	**108**
SCTG 43, MIXED FREIGHT							
Total	**101 032**	**100.0**	**43 088**	**100.0**	**6 087**	**100.0**	**141**
Single modes	**97 786**	**96.8**	**42 110**	**97.7**	**5 845**	**96.0**	**118**
Truck[1]	97 704	96.7	42 105	97.7	5 842	96.0	107
For-hire truck	11 306	11.2	5 155	12.0	1 392	22.9	260
Private truck	86 219	85.3	36 865	85.6	4 436	72.9	98
Rail	S	S	S	S	S	S	44
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 467
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 426**	**1.4**	**S**	**S**	**S**	**S**	**242**
Parcel, U.S. Postal Service or courier	1 383	1.4	S	S	S	S	242
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 820**	**1.8**	**790**	**1.8**	**150**	**2.5**	**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	**11 297**	**100.0**	**S**	**S**	**S**	**S**	**347**
Single modes	**9 655**	**85.5**	**S**	**S**	**S**	**S**	**234**
Truck[1]	8 830	78.2	S	S	S	S	195
For-hire truck	4 562	40.4	2 858	14.3	995	16.0	451
Private truck	4 266	37.8	S	S	S	S	131
Rail	295	2.6	744	3.7	649	10.4	910
Water	S	S	S	S	S	S	2 904
Shallow draft	S	S	S	S	S	S	217
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	5 715
Air (includes truck and air)	113	1.0	2	–	2	–	1 186
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 001**	**8.9**	**S**	**S**	**S**	**S**	**537**
Parcel, U.S. Postal Service or courier	805	7.1	28	.1	16	.3	536
Truck and rail	S	S	S	S	S	S	830
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	3 083
Other and unknown modes	**641**	**5.7**	**S**	**S**	**98**	**1.6**	**146**

– 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.
[2]CFS 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	**2 348 187**	**4 465 635**	**958 477**
Less than 50 miles	700 923	2 511 658	52 662
50 to 99 miles	194 150	473 095	45 119
100 to 249 miles	401 175	603 269	141 467
250 to 499 miles	380 848	439 301	211 085
500 to 749 miles	250 063	203 828	171 747
750 to 999 miles	154 108	121 213	132 190
1,000 to 1,499 miles	162 475	85 265	137 318
1,500 to 1,999 miles	61 079	18 731	41 241
2,000 miles or more	43 367	9 275	25 647
SCTG 01, Live animals and live fish	**2 082**	**2 229**	**680**
Less than 50 miles	531	856	21
50 to 99 miles	176	S	S
100 to 249 miles	329	S	S
250 to 499 miles	401	334	159
500 to 749 miles	327	217	173
750 to 999 miles	215	132	132
1,000 to 1,499 miles	83	60	77
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**12 447**	**93 425**	**16 401**
Less than 50 miles	8 609	65 952	2 050
50 to 99 miles	700	5 896	535
100 to 249 miles	987	6 987	1 487
250 to 499 miles	622	5 223	2 591
500 to 749 miles	1 102	7 371	6 817
750 to 999 miles	216	S	S
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 03, Other agricultural products	**28 044**	**53 544**	**14 667**
Less than 50 miles	12 527	29 220	981
50 to 99 miles	2 749	4 460	448
100 to 249 miles	5 303	6 217	1 456
250 to 499 miles	3 156	5 700	2 784
500 to 749 miles	1 590	4 107	3 543
750 to 999 miles	880	1 641	1 798
1,000 to 1,499 miles	1 070	1 428	1 988
1,500 to 1,999 miles	563	648	1 327
2,000 miles or more	205	122	340
SCTG 04, Animal feed and products of animal origin, n.e.c.	**22 814**	**80 762**	**10 660**
Less than 50 miles	11 027	52 339	1 527
50 to 99 miles	3 217	9 051	823
100 to 249 miles	3 722	9 728	1 944
250 to 499 miles	2 488	5 286	2 273
500 to 749 miles	1 117	3 167	2 459
750 to 999 miles	701	655	730
1,000 to 1,499 miles	372	427	646
1,500 to 1,999 miles	125	80	175
2,000 miles or more	S	29	85
SCTG 05, Meat, fish, seafood, and their preparations	**61 878**	**30 812**	**12 734**
Less than 50 miles	14 806	7 056	194
50 to 99 miles	6 499	3 446	334
100 to 249 miles	12 314	6 763	1 385
250 to 499 miles	11 427	6 215	2 676
500 to 749 miles	7 026	3 390	2 517
750 to 999 miles	3 984	1 408	1 466
1,000 to 1,499 miles	4 043	1 771	2 482
1,500 to 1,999 miles	1 216	516	1 028
2,000 miles or more	561	247	652
SCTG 06, Milled grain products and preparations, and bakery products	**29 633**	**23 827**	**9 025**
Less than 50 miles	8 076	6 040	161
50 to 99 miles	3 737	3 690	342
100 to 249 miles	7 228	4 870	980
250 to 499 miles	4 763	4 114	1 796
500 to 749 miles	2 854	2 227	1 678
750 to 999 miles	1 425	1 396	1 528
1,000 to 1,499 miles	905	998	1 443
1,500 to 1,999 miles	515	411	873
2,000 miles or more	131	82	224
SCTG 07, Other prepared foodstuffs and fats and oils	**104 054**	**124 712**	**31 675**
Less than 50 miles	37 648	49 990	1 181
50 to 99 miles	15 250	19 441	1 788
100 to 249 miles	21 140	25 038	4 909
250 to 499 miles	12 966	14 652	6 648
500 to 749 miles	7 193	7 717	6 104
750 to 999 miles	4 162	3 262	3 422
1,000 to 1,499 miles	3 647	3 393	4 672
1,500 to 1,999 miles	1 426	860	1 958
2,000 miles or more	622	358	993

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	**27 871**	**23 651**	**4 089**
Less than 50 miles	17 855	14 237	267
50 to 99 miles	1 874	1 096	95
100 to 249 miles	3 340	3 675	760
250 to 499 miles	2 744	3 147	1 331
500 to 749 miles	809	708	546
750 to 999 miles	451	451	474
1,000 to 1,499 miles	500	218	328
1,500 to 1,999 miles	259	102	232
2,000 miles or more	40	18	55
SCTG 09, Tobacco products	**38 916**	**3 085**	**855**
Less than 50 miles	13 282	2 017	56
50 to 99 miles	1 468	117	11
100 to 249 miles	2 425	208	42
250 to 499 miles	8 993	331	159
500 to 749 miles	5 292	176	130
750 to 999 miles	1 964	62	65
1,000 to 1,499 miles	1 660	52	71
1,500 to 1,999 miles	1 272	37	79
2,000 miles or more	2 561	85	242
SCTG 10, Monumental or building stone	**755**	**6 051**	**486**
Less than 50 miles	289	4 772	44
50 to 99 miles	39	179	18
100 to 249 miles	208	668	141
250 to 499 miles	105	262	116
500 to 749 miles	54	106	75
750 to 999 miles	17	32	32
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 11, Natural sands	**1 481**	**177 493**	**11 601**
Less than 50 miles	831	127 719	2 619
50 to 99 miles	177	32 263	2 868
100 to 249 miles	168	13 241	3 556
250 to 499 miles	165	3 305	1 431
500 to 749 miles	67	463	395
750 to 999 miles	45	236	290
1,000 to 1,499 miles	22	236	373
1,500 to 1,999 miles	2	S	S
2,000 miles or more	4	9	23
SCTG 12, Gravel and crushed stone	**4 316**	**671 150**	**36 406**
Less than 50 miles	3 405	545 693	9 237
50 to 99 miles	374	64 173	5 854
100 to 249 miles	320	44 527	9 878
250 to 499 miles	74	10 444	4 752
500 to 749 miles	S	2 759	2 543
750 to 999 miles	18	2 858	3 269
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.	**5 293**	**104 223**	**28 800**
Less than 50 miles	1 163	66 389	1 889
50 to 99 miles	398	5 554	544
100 to 249 miles	1 518	9 035	2 214
250 to 499 miles	857	5 434	2 743
500 to 749 miles	599	8 878	S
750 to 999 miles	326	5 644	7 128
1,000 to 1,499 miles	334	2 627	3 869
1,500 to 1,999 miles	37	244	513
2,000 miles or more	62	418	1 246
SCTG 14, Metallic ores and concentrates	**2 308**	**11 063**	**3 737**
Less than 50 miles	596	4 945	70
50 to 99 miles	151	S	S
100 to 249 miles	443	2 251	608
250 to 499 miles	411	590	324
500 to 749 miles	175	321	255
750 to 999 miles	261	794	1 017
1,000 to 1,499 miles	217	554	946
1,500 to 1,999 miles	S	S	S
2,000 miles or more	11	S	S
SCTG 15, Coal	**13 306**	**529 110**	**147 442**
Less than 50 miles	4 688	213 447	5 116
50 to 99 miles	1 107	41 693	6 037
100 to 249 miles	3 103	115 429	38 208
250 to 499 miles	3 771	134 118	70 805
500 to 749 miles	605	23 610	25 951
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	5	S	S
2,000 miles or more	S	S	S

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	**88 933**	**487 052**	**96 689**
Less than 50 miles	57 602	299 655	4 481
50 to 99 miles	9 047	39 058	3 479
100 to 249 miles	10 731	51 983	9 397
250 to 499 miles	6 343	31 916	11 092
500 to 749 miles	2 657	26 565	20 820
750 to 999 miles	1 598	28 176	26 330
1,000 to 1,499 miles	939	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**42 177**	**235 449**	**31 596**
Less than 50 miles	29 910	165 408	3 171
50 to 99 miles	3 481	19 599	1 787
100 to 249 miles	5 517	29 858	5 781
250 to 499 miles	1 201	7 764	S
500 to 749 miles	933	5 607	4 351
750 to 999 miles	S	S	S
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 19, Coal and petroleum products, n.e.c.	**37 583**	**181 176**	**37 801**
Less than 50 miles	17 359	112 139	2 126
50 to 99 miles	3 871	16 667	1 544
100 to 249 miles	5 159	20 525	4 087
250 to 499 miles	4 141	14 048	7 273
500 to 749 miles	3 153	8 511	7 386
750 to 999 miles	1 546	2 793	3 240
1,000 to 1,499 miles	2 007	5 926	10 829
1,500 to 1,999 miles	300	533	1 217
2,000 miles or more	47	35	100
SCTG 20, Basic chemicals	**108 045**	**194 411**	**88 699**
Less than 50 miles	28 744	66 791	1 320
50 to 99 miles	6 488	17 568	1 653
100 to 249 miles	14 514	31 173	7 478
250 to 499 miles	19 758	29 949	13 426
500 to 749 miles	9 156	12 161	10 359
750 to 999 miles	11 633	17 269	21 800
1,000 to 1,499 miles	S	17 573	28 028
1,500 to 1,999 miles	1 729	1 346	2 971
2,000 miles or more	773	580	1 665
SCTG 21, Pharmaceutical products	**70 002**	**4 923**	**3 095**
Less than 50 miles	16 106	1 093	21
50 to 99 miles	6 389	378	37
100 to 249 miles	18 608	756	148
250 to 499 miles	11 736	894	425
500 to 749 miles	6 091	789	598
750 to 999 miles	3 755	263	273
1,000 to 1,499 miles	4 306	315	457
1,500 to 1,999 miles	1 302	70	143
2,000 miles or more	1 708	S	S
SCTG 22, Fertilizers	**13 073**	**102 268**	**27 107**
Less than 50 miles	6 932	66 897	1 988
50 to 99 miles	834	4 134	402
100 to 249 miles	1 391	7 565	1 755
250 to 499 miles	1 292	8 873	4 296
500 to 749 miles	1 029	6 077	5 452
750 to 999 miles	875	5 008	6 126
1,000 to 1,499 miles	543	2 762	4 543
1,500 to 1,999 miles	36	185	391
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**61 116**	**36 449**	**17 210**
Less than 50 miles	16 929	9 862	218
50 to 99 miles	4 009	2 740	263
100 to 249 miles	10 533	8 005	1 692
250 to 499 miles	11 360	6 077	2 747
500 to 749 miles	7 738	3 668	2 811
750 to 999 miles	3 879	2 145	2 251
1,000 to 1,499 miles	3 932	2 433	3 774
1,500 to 1,999 miles	1 583	1 034	2 091
2,000 miles or more	1 154	485	1 364
SCTG 24, Plastics and rubber	**108 620**	**59 035**	**38 201**
Less than 50 miles	23 307	13 191	311
50 to 99 miles	7 615	3 839	359
100 to 249 miles	15 354	7 835	1 698
250 to 499 miles	20 638	9 245	4 365
500 to 749 miles	15 329	7 818	6 167
750 to 999 miles	11 127	7 259	7 983
1,000 to 1,499 miles	10 100	7 210	11 171
1,500 to 1,999 miles	3 185	1 920	4 195
2,000 miles or more	1 964	718	1 952

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	**5 948**	**231 110**	**16 033**
Less than 50 miles	3 320	143 855	4 285
50 to 99 miles	1 336	64 548	5 274
100 to 249 miles	718	19 304	3 525
250 to 499 miles	285	1 286	528
500 to 749 miles	132	S	S
750 to 999 miles	72	S	S
1,000 to 1,499 miles	36	S	S
1,500 to 1,999 miles	41	59	121
2,000 miles or more	7	13	34
SCTG 26, Wood products	**51 182**	**174 948**	**42 523**
Less than 50 miles	13 952	61 365	1 913
50 to 99 miles	6 874	35 693	3 281
100 to 249 miles	13 255	41 315	9 571
250 to 499 miles	7 907	19 085	8 229
500 to 749 miles	4 393	8 612	6 722
750 to 999 miles	2 317	4 656	5 102
1,000 to 1,499 miles	1 555	3 113	5 070
1,500 to 1,999 miles	627	809	1 817
2,000 miles or more	301	300	817
SCTG 27, Pulp, newsprint, paper, and paperboard	**43 104**	**69 092**	**43 764**
Less than 50 miles	8 468	8 957	191
50 to 99 miles	2 895	4 720	495
100 to 249 miles	6 575	11 743	2 845
250 to 499 miles	8 370	14 754	7 548
500 to 749 miles	7 703	13 264	10 900
750 to 999 miles	4 860	9 189	10 077
1,000 to 1,499 miles	2 699	4 321	6 677
1,500 to 1,999 miles	1 204	1 740	3 909
2,000 miles or more	331	403	1 123
SCTG 28, Paper or paperboard articles	**31 959**	**24 638**	**8 220**
Less than 50 miles	9 731	7 597	179
50 to 99 miles	3 080	3 195	294
100 to 249 miles	6 382	5 391	1 090
250 to 499 miles	5 560	3 897	1 713
500 to 749 miles	3 395	2 194	1 651
750 to 999 miles	1 956	1 321	1 349
1,000 to 1,499 miles	1 152	627	912
1,500 to 1,999 miles	392	205	451
2,000 miles or more	312	211	582
SCTG 29, Printed products	**61 379**	**25 874**	**5 572**
Less than 50 miles	27 467	17 012	247
50 to 99 miles	2 818	1 163	104
100 to 249 miles	6 578	1 929	411
250 to 499 miles	8 021	2 439	1 097
500 to 749 miles	6 532	1 731	1 275
750 to 999 miles	3 526	635	638
1,000 to 1,499 miles	3 202	438	611
1,500 to 1,999 miles	2 097	382	805
2,000 miles or more	1 137	146	385
SCTG 30, Textiles, leather, and articles of textiles or leather	**200 973**	**32 351**	**15 828**
Less than 50 miles	38 531	7 030	167
50 to 99 miles	23 666	2 890	278
100 to 249 miles	38 176	7 058	1 464
250 to 499 miles	37 078	6 640	3 015
500 to 749 miles	26 335	3 864	2 878
750 to 999 miles	11 704	1 620	1 674
1,000 to 1,499 miles	10 540	1 287	1 823
1,500 to 1,999 miles	9 402	1 191	2 486
2,000 miles or more	5 542	771	2 042
SCTG 31, Nonmetallic mineral products	**38 260**	**337 896**	**35 463**
Less than 50 miles	14 941	239 434	4 209
50 to 99 miles	3 383	30 217	2 771
100 to 249 miles	7 381	40 374	8 288
250 to 499 miles	5 253	15 689	6 886
500 to 749 miles	3 160	5 820	4 346
750 to 999 miles	1 733	2 659	2 811
1,000 to 1,499 miles	1 518	2 893	4 134
1,500 to 1,999 miles	422	465	1 040
2,000 miles or more	468	345	978
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**72 761**	**87 986**	**35 162**
Less than 50 miles	17 565	25 586	614
50 to 99 miles	5 802	8 323	784
100 to 249 miles	13 899	18 238	4 007
250 to 499 miles	15 989	17 528	8 547
500 to 749 miles	8 803	9 324	7 137
750 to 999 miles	4 888	4 460	5 108
1,000 to 1,499 miles	3 061	2 421	3 697
1,500 to 1,999 miles	1 675	1 501	3 620
2,000 miles or more	1 080	605	1 647

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	**70 445**	**38 223**	**15 843**
Less than 50 miles	21 625	11 199	218
50 to 99 miles	5 452	3 634	344
100 to 249 miles	11 275	6 575	1 355
250 to 499 miles	12 914	7 150	3 144
500 to 749 miles	8 177	5 259	3 986
750 to 999 miles	4 492	1 899	2 138
1,000 to 1,499 miles	3 802	1 392	2 006
1,500 to 1,999 miles	1 797	737	1 624
2,000 miles or more	909	378	1 029
SCTG 34, Machinery	**125 334**	**14 352**	**7 756**
Less than 50 miles	26 577	3 086	70
50 to 99 miles	9 609	1 012	95
100 to 249 miles	18 826	2 271	467
250 to 499 miles	27 039	3 106	1 468
500 to 749 miles	16 581	2 132	1 595
750 to 999 miles	10 739	1 168	1 200
1,000 to 1,499 miles	9 579	930	1 318
1,500 to 1,999 miles	2 839	366	787
2,000 miles or more	3 544	280	756
SCTG 35, Electronic and other electrical equipment and components and office equipment	**265 208**	**15 287**	**9 101**
Less than 50 miles	62 336	3 762	79
50 to 99 miles	9 218	742	70
100 to 249 miles	35 793	2 111	465
250 to 499 miles	36 189	2 637	1 201
500 to 749 miles	30 385	2 406	1 784
750 to 999 miles	26 864	1 336	1 398
1,000 to 1,499 miles	43 578	1 292	1 871
1,500 to 1,999 miles	12 409	757	1 573
2,000 miles or more	8 436	244	660
SCTG 36, Motorized and other vehicles (including parts)	**155 181**	**22 495**	**11 082**
Less than 50 miles	37 524	5 812	135
50 to 99 miles	8 301	1 466	133
100 to 249 miles	21 454	3 305	726
250 to 499 miles	36 465	5 518	2 630
500 to 749 miles	26 772	3 372	2 610
750 to 999 miles	10 091	1 233	1 321
1,000 to 1,499 miles	6 724	860	1 289
1,500 to 1,999 miles	4 609	544	1 223
2,000 miles or more	3 241	385	1 015
SCTG 37, Transportation equipment, n.e.c.	**26 147**	**1 974**	**1 297**
Less than 50 miles	4 603	313	10
50 to 99 miles	402	34	5
100 to 249 miles	4 208	401	84
250 to 499 miles	3 694	503	276
500 to 749 miles	3 985	409	323
750 to 999 miles	2 373	151	168
1,000 to 1,499 miles	2 309	67	98
1,500 to 1,999 miles	3 039	46	104
2,000 miles or more	1 534	51	S
SCTG 38, Precision instruments and apparatus	**40 091**	**1 055**	**694**
Less than 50 miles	6 961	194	5
50 to 99 miles	1 525	S	S
100 to 249 miles	4 387	126	24
250 to 499 miles	5 261	179	73
500 to 749 miles	5 557	210	158
750 to 999 miles	5 550	83	85
1,000 to 1,499 miles	7 335	75	106
1,500 to 1,999 miles	1 424	17	34
2,000 miles or more	2 092	S	200
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**40 012**	**8 284**	**4 249**
Less than 50 miles	9 604	1 653	40
50 to 99 miles	2 602	627	56
100 to 249 miles	6 402	1 358	277
250 to 499 miles	8 584	1 867	859
500 to 749 miles	6 074	1 440	1 054
750 to 999 miles	3 113	653	673
1,000 to 1,499 miles	1 874	380	535
1,500 to 1,999 miles	773	142	303
2,000 miles or more	985	165	452
SCTG 40, Miscellaneous manufactured products	**115 174**	**37 598**	**13 073**
Less than 50 miles	23 536	12 365	273
50 to 99 miles	8 896	4 009	373
100 to 249 miles	21 492	8 330	1 702
250 to 499 miles	19 966	5 993	2 657
500 to 749 miles	13 462	2 836	2 079
750 to 999 miles	8 852	1 730	1 820
1,000 to 1,499 miles	11 781	1 510	2 243
1,500 to 1,999 miles	4 190	497	1 041
2,000 miles or more	3 000	330	887

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	**7 954**	**43 439**	**10 852**
Less than 50 miles	2 572	15 217	353
50 to 99 miles	673	5 258	531
100 to 249 miles	1 699	10 880	2 406
250 to 499 miles	1 761	8 425	4 069
500 to 749 miles	747	2 532	1 890
750 to 999 miles	221	523	560
1,000 to 1,499 miles	251	487	751
1,500 to 1,999 miles	S	64	152
2,000 miles or more	7	S	S
SCTG 43, Mixed freight	**101 032**	**43 088**	**6 087**
Less than 50 miles	36 702	17 976	551
50 to 99 miles	16 927	7 853	738
100 to 249 miles	34 921	13 537	2 611
250 to 499 miles	9 223	2 599	1 049
500 to 749 miles	1 907	626	456
750 to 999 miles	657	206	211
1,000 to 1,499 miles	412	S	S
1,500 to 1,999 miles	133	41	88
2,000 miles or more	149	S	S
Commodity unknown	**11 297**	**S**	**S**
Less than 50 miles	2 686	3 538	74
50 to 99 miles	1 040	862	80
100 to 249 miles	3 398	2 325	479
250 to 499 miles	1 877	S	S
500 to 749 miles	946	626	512
750 to 999 miles	473	271	288
1,000 to 1,499 miles	438	201	312
1,500 to 1,999 miles	194	71	S
2,000 miles 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.

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	**2 348 187**	**4 465 635**	**958 477**
Less than 50 lb	214 883	5 570	2 113
50 to 99 lb	64 727	4 504	1 093
100 to 499 lb	200 347	27 811	5 535
500 to 749 lb	60 277	13 104	2 494
750 to 999 lb	43 041	11 008	2 202
1,000 to 9,999 lb	522 240	185 767	39 741
10,000 to 49,999 lb	872 377	1 614 987	281 419
50,000 to 99,999 lb	109 616	857 707	71 513
100,000 lb or more	260 679	1 745 178	552 367
SCTG 01, Live animals and live fish	**2 082**	**2 229**	**680**
Less than 50 lb	14	1	S
50 to 99 lb	6	1	–
100 to 499 lb	15	S	S
500 to 749 lb	1	1	–
750 to 999 lb	5	2	S
1,000 to 9,999 lb	205	94	11
10,000 to 49,999 lb	1 303	1 638	477
50,000 to 99,999 lb	316	274	122
100,000 lb or more	218	214	68
SCTG 02, Cereal grains	**12 447**	**93 425**	**16 401**
Less than 50 lb	S	S	S
50 to 99 lb	3	10	–
100 to 499 lb	14	49	1
500 to 749 lb	8	23	2
750 to 999 lb	4	15	1
1,000 to 9,999 lb	S	535	45
10,000 to 49,999 lb	608	3 940	727
50,000 to 99,999 lb	2 476	20 859	1 919
100,000 lb or more	9 062	67 994	13 707
SCTG 03, Other agricultural products	**28 044**	**53 544**	**14 667**
Less than 50 lb	930	145	48
50 to 99 lb	487	127	11
100 to 499 lb	1 480	911	72
500 to 749 lb	738	504	42
750 to 999 lb	457	425	34
1,000 to 9,999 lb	4 990	5 276	910
10,000 to 49,999 lb	10 283	16 062	5 833
50,000 to 99,999 lb	1 480	4 572	613
100,000 lb or more	7 200	25 524	7 103
SCTG 04, Animal feed and products of animal origin, n.e.c.	**22 814**	**80 762**	**10 660**
Less than 50 lb	109	S	3
50 to 99 lb	S	195	4
100 to 499 lb	687	987	21
500 to 749 lb	287	475	14
750 to 999 lb	179	233	11
1,000 to 9,999 lb	2 268	4 257	326
10,000 to 49,999 lb	14 075	48 435	5 680
50,000 to 99,999 lb	3 307	17 590	2 043
100,000 lb or more	1 739	8 526	2 559
SCTG 05, Meat, fish, seafood, and their preparations	**61 878**	**30 812**	**12 734**
Less than 50 lb	514	63	8
50 to 99 lb	799	138	13
100 to 499 lb	3 471	946	80
500 to 749 lb	1 505	496	57
750 to 999 lb	1 057	441	60
1,000 to 9,999 lb	14 532	6 194	1 681
10,000 to 49,999 lb	37 777	20 747	10 042
50,000 to 99,999 lb	1 076	844	392
100,000 lb or more	1 148	944	401
SCTG 06, Milled grain products and preparations, and bakery products	**29 633**	**23 827**	**9 025**
Less than 50 lb	370	124	8
50 to 99 lb	434	225	10
100 to 499 lb	1 955	759	51
500 to 749 lb	1 108	361	39
750 to 999 lb	921	346	49
1,000 to 9,999 lb	7 220	3 701	873
10,000 to 49,999 lb	15 799	13 920	5 812
50,000 to 99,999 lb	641	2 284	323
100,000 lb or more	1 186	2 107	1 859
SCTG 07, Other prepared foodstuffs and fats and oils	**104 054**	**124 712**	**31 675**
Less than 50 lb	1 042	216	32
50 to 99 lb	945	438	29
100 to 499 lb	5 799	4 186	215
500 to 749 lb	2 631	1 994	115
750 to 999 lb	2 078	1 637	94
1,000 to 9,999 lb	19 890	17 968	1 980
10,000 to 49,999 lb	63 085	75 785	19 919
50,000 to 99,999 lb	3 040	7 729	1 049
100,000 lb or more	5 545	14 760	8 241

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	**27 871**	**23 651**	**4 089**
Less than 50 lb	355	69	2
50 to 99 lb	439	144	4
100 to 499 lb	3 774	2 098	52
500 to 749 lb	1 863	1 234	32
750 to 999 lb	1 408	1 073	27
1,000 to 9,999 lb	9 588	7 719	214
10,000 to 49,999 lb	9 041	9 082	3 121
50,000 to 99,999 lb	977	1 513	285
100,000 lb or more	425	720	S
SCTG 09, Tobacco products	**38 916**	**3 085**	**855**
Less than 50 lb	952	27	8
50 to 99 lb	793	27	3
100 to 499 lb	2 772	128	24
500 to 749 lb	727	46	10
750 to 999 lb	526	32	7
1,000 to 9,999 lb	2 529	149	52
10,000 to 49,999 lb	30 408	2 611	721
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	58	S
SCTG 10, Monumental or building stone	**755**	**6 051**	**486**
Less than 50 lb	S	1	S
50 to 99 lb	4	1	–
100 to 499 lb	38	13	2
500 to 749 lb	17	7	2
750 to 999 lb	S	8	1
1,000 to 9,999 lb	153	155	33
10,000 to 49,999 lb	457	4 405	331
50,000 to 99,999 lb	S	S	62
100,000 lb or more	S	S	53
SCTG 11, Natural sands	**1 481**	**177 493**	**11 601**
Less than 50 lb	S	S	S
50 to 99 lb	S	–	S
100 to 499 lb	11	12	1
500 to 749 lb	2	8	–
750 to 999 lb	S	4	S
1,000 to 9,999 lb	79	1 149	43
10,000 to 49,999 lb	798	74 914	2 566
50,000 to 99,999 lb	347	67 247	3 641
100,000 lb or more	236	34 158	5 351
SCTG 12, Gravel and crushed stone	**4 316**	**671 150**	**36 406**
Less than 50 lb	S	S	–
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	–	S	S
750 to 999 lb	–	17	–
1,000 to 9,999 lb	51	2 463	76
10,000 to 49,999 lb	2 773	427 263	15 987
50,000 to 99,999 lb	960	161 242	7 701
100,000 lb or more	440	80 132	12 632
SCTG 13, Nonmetallic minerals n.e.c.	**5 293**	**104 223**	**28 800**
Less than 50 lb	22	2	1
50 to 99 lb	S	9	S
100 to 499 lb	105	45	8
500 to 749 lb	41	38	4
750 to 999 lb	15	11	1
1,000 to 9,999 lb	398	1 182	134
10,000 to 49,999 lb	2 803	46 376	5 092
50,000 to 99,999 lb	266	9 361	1 098
100,000 lb or more	1 605	47 198	22 454
SCTG 14, Metallic ores and concentrates	**2 308**	**11 063**	**3 737**
Less than 50 lb	S	1	–
50 to 99 lb	11	1	S
100 to 499 lb	157	7	2
500 to 749 lb	36	S	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	181	118	22
10,000 to 49,999 lb	1 047	5 401	948
50,000 to 99,999 lb	82	1 199	46
100,000 lb or more	772	4 327	2 718
SCTG 15, Coal	**13 306**	**529 110**	**147 442**
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	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	45	4
10,000 to 49,999 lb	87	2 438	253
50,000 to 99,999 lb	1 388	53 950	5 898
100,000 lb or more	11 687	472 675	141 287

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	**88 933**	**487 052**	**96 689**
Less than 50 lb	8	6	–
50 to 99 lb	6	13	–
100 to 499 lb	61	133	2
500 to 749 lb	29	49	1
750 to 999 lb	43	59	1
1,000 to 9,999 lb	4 615	8 119	300
10,000 to 49,999 lb	11 276	45 694	3 137
50,000 to 99,999 lb	35 679	139 843	8 012
100,000 lb or more	37 216	293 137	85 236
SCTG 18, Fuel oils	**42 177**	**235 449**	**31 596**
Less than 50 lb	S	6	–
50 to 99 lb	S	16	–
100 to 499 lb	152	275	4
500 to 749 lb	133	309	6
750 to 999 lb	120	313	5
1,000 to 9,999 lb	3 407	10 188	295
10,000 to 49,999 lb	5 109	25 313	1 507
50,000 to 99,999 lb	9 608	50 750	2 992
100,000 lb or more	23 625	148 279	26 787
SCTG 19, Coal and petroleum products, n.e.c.	**37 583**	**181 176**	**37 801**
Less than 50 lb	252	54	5
50 to 99 lb	206	71	7
100 to 499 lb	1 135	723	59
500 to 749 lb	280	321	13
750 to 999 lb	380	448	S
1,000 to 9,999 lb	3 031	4 352	S
10,000 to 49,999 lb	9 674	48 524	8 573
50,000 to 99,999 lb	2 205	12 836	1 370
100,000 lb or more	20 420	113 848	27 030
SCTG 20, Basic chemicals	**108 045**	**194 411**	**88 699**
Less than 50 lb	1 098	50	12
50 to 99 lb	371	66	13
100 to 499 lb	1 329	754	49
500 to 749 lb	510	309	29
750 to 999 lb	372	285	26
1,000 to 9,999 lb	6 277	3 483	879
10,000 to 49,999 lb	37 783	50 179	17 958
50,000 to 99,999 lb	2 116	6 093	1 423
100,000 lb or more	58 188	133 190	68 310
SCTG 21, Pharmaceutical products	**70 002**	**4 923**	**3 095**
Less than 50 lb	21 801	219	99
50 to 99 lb	4 276	83	24
100 to 499 lb	11 098	313	138
500 to 749 lb	2 065	90	51
750 to 999 lb	1 764	74	32
1,000 to 9,999 lb	13 037	550	226
10,000 to 49,999 lb	15 895	3 162	2 508
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**13 073**	**102 268**	**27 107**
Less than 50 lb	S	S	S
50 to 99 lb	25	15	–
100 to 499 lb	85	81	4
500 to 749 lb	35	56	3
750 to 999 lb	27	36	3
1,000 to 9,999 lb	976	3 144	149
10,000 to 49,999 lb	3 727	17 000	2 792
50,000 to 99,999 lb	998	8 230	853
100,000 lb or more	7 122	73 694	23 302
SCTG 23, Chemical products and preparations, n.e.c.	**61 116**	**36 449**	**17 210**
Less than 50 lb	3 985	221	64
50 to 99 lb	1 539	157	37
100 to 499 lb	5 077	980	199
500 to 749 lb	1 811	402	103
750 to 999 lb	1 235	318	97
1,000 to 9,999 lb	11 916	3 905	1 493
10,000 to 49,999 lb	29 283	22 651	10 783
50,000 to 99,999 lb	583	1 260	288
100,000 lb or more	5 687	6 554	4 145
SCTG 24, Plastics and rubber	**108 620**	**59 035**	**38 201**
Less than 50 lb	5 285	250	71
50 to 99 lb	2 239	239	57
100 to 499 lb	8 432	1 348	296
500 to 749 lb	2 915	576	163
750 to 999 lb	1 947	395	129
1,000 to 9,999 lb	23 384	7 876	3 123
10,000 to 49,999 lb	46 940	26 558	15 081
50,000 to 99,999 lb	804	737	305
100,000 lb or more	16 673	21 055	18 978

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	**5 948**	**231 110**	**16 033**
Less than 50 lb	S	S	S
50 to 99 lb	S	–	S
100 to 499 lb	13	4	S
500 to 749 lb	4	S	S
750 to 999 lb	S	2	S
1,000 to 9,999 lb	145	391	50
10,000 to 49,999 lb	2 191	59 913	3 842
50,000 to 99,999 lb	2 956	136 510	7 376
100,000 lb or more	632	34 281	4 763
SCTG 26, Wood products	**51 182**	**174 948**	**42 523**
Less than 50 lb	647	54	21
50 to 99 lb	391	62	12
100 to 499 lb	1 837	419	56
500 to 749 lb	856	254	35
750 to 999 lb	648	247	34
1,000 to 9,999 lb	7 778	6 241	776
10,000 to 49,999 lb	27 694	82 545	18 826
50,000 to 99,999 lb	4 983	47 692	5 954
100,000 lb or more	6 347	37 435	16 809
SCTG 27, Pulp, newsprint, paper, and paperboard	**43 104**	**69 092**	**43 764**
Less than 50 lb	345	50	5
50 to 99 lb	277	71	9
100 to 499 lb	1 410	526	61
500 to 749 lb	494	246	27
750 to 999 lb	382	191	23
1,000 to 9,999 lb	4 247	2 976	528
10,000 to 49,999 lb	22 743	32 683	18 836
50,000 to 99,999 lb	1 322	3 582	1 402
100,000 lb or more	11 885	28 768	22 872
SCTG 28, Paper or paperboard articles	**31 959**	**24 638**	**8 220**
Less than 50 lb	1 256	113	25
50 to 99 lb	621	132	21
100 to 499 lb	2 012	617	73
500 to 749 lb	726	299	39
750 to 999 lb	516	210	25
1,000 to 9,999 lb	6 802	4 977	804
10,000 to 49,999 lb	19 340	16 746	6 292
50,000 to 99,999 lb	206	393	116
100,000 lb or more	479	1 152	824
SCTG 29, Printed products	**61 379**	**25 874**	**5 572**
Less than 50 lb	11 085	620	298
50 to 99 lb	2 893	279	81
100 to 499 lb	9 691	1 509	347
500 to 749 lb	2 544	663	112
750 to 999 lb	1 879	549	73
1,000 to 9,999 lb	19 016	8 997	1 272
10,000 to 49,999 lb	13 197	10 463	3 189
50,000 to 99,999 lb	301	281	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**200 973**	**32 351**	**15 828**
Less than 50 lb	13 801	428	345
50 to 99 lb	4 088	220	167
100 to 499 lb	11 847	1 039	709
500 to 749 lb	4 953	569	351
750 to 999 lb	4 222	472	302
1,000 to 9,999 lb	75 038	7 385	3 901
10,000 to 49,999 lb	80 198	19 699	8 778
50,000 to 99,999 lb	5 922	1 632	477
100,000 lb or more	905	907	799
SCTG 31, Nonmetallic mineral products	**38 260**	**337 896**	**35 463**
Less than 50 lb	1 199	91	24
50 to 99 lb	487	82	17
100 to 499 lb	1 662	440	78
500 to 749 lb	435	193	37
750 to 999 lb	409	211	32
1,000 to 9,999 lb	5 677	9 999	923
10,000 to 49,999 lb	22 433	221 720	21 739
50,000 to 99,999 lb	4 316	66 651	6 093
100,000 lb or more	1 643	38 510	6 520
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**72 761**	**87 986**	**35 162**
Less than 50 lb	1 397	73	16
50 to 99 lb	797	98	16
100 to 499 lb	3 384	826	125
500 to 749 lb	1 427	460	81
750 to 999 lb	1 042	406	64
1,000 to 9,999 lb	12 433	8 968	1 893
10,000 to 49,999 lb	39 864	50 000	17 136
50,000 to 99,999 lb	2 794	5 807	1 710
100,000 lb or more	9 623	21 347	14 120

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	**70 445**	**38 223**	**15 843**
Less than 50 lb	8 160	294	90
50 to 99 lb	2 655	200	60
100 to 499 lb	8 689	1 133	332
500 to 749 lb	2 722	491	154
750 to 999 lb	2 221	432	163
1,000 to 9,999 lb	18 967	6 892	2 152
10,000 to 49,999 lb	21 600	20 615	8 675
50,000 to 99,999 lb	1 912	2 347	751
100,000 lb or more	3 520	5 817	3 467
SCTG 34, Machinery	**125 334**	**14 352**	**7 756**
Less than 50 lb	15 931	362	96
50 to 99 lb	5 366	240	66
100 to 499 lb	15 722	1 106	343
500 to 749 lb	4 664	404	161
750 to 999 lb	3 206	295	156
1,000 to 9,999 lb	31 003	3 537	1 879
10,000 to 49,999 lb	42 102	7 394	4 377
50,000 to 99,999 lb	4 905	666	393
100,000 lb or more	2 435	348	284
SCTG 35, Electronic and other electrical equipment and components and office equipment	**265 208**	**15 287**	**9 101**
Less than 50 lb	54 856	539	241
50 to 99 lb	19 106	324	148
100 to 499 lb	52 248	1 372	668
500 to 749 lb	10 411	454	218
750 to 999 lb	7 164	363	201
1,000 to 9,999 lb	67 945	4 005	2 281
10,000 to 49,999 lb	50 918	7 261	4 783
50,000 to 99,999 lb	1 753	432	S
100,000 lb or more	808	S	140
SCTG 36, Motorized and other vehicles (including parts)	**155 181**	**22 495**	**11 082**
Less than 50 lb	10 181	478	113
50 to 99 lb	3 122	246	52
100 to 499 lb	10 630	894	271
500 to 749 lb	3 152	256	103
750 to 999 lb	1 846	213	76
1,000 to 9,999 lb	60 400	7 229	3 410
10,000 to 49,999 lb	54 961	11 053	5 684
50,000 to 99,999 lb	5 731	1 213	844
100,000 lb or more	S	912	529
SCTG 37, Transportation equipment, n.e.c.	**26 147**	**1 974**	**1 297**
Less than 50 lb	5 141	17	12
50 to 99 lb	1 828	7	5
100 to 499 lb	2 736	30	23
500 to 749 lb	1 286	10	9
750 to 999 lb	620	10	9
1,000 to 9,999 lb	8 636	354	221
10,000 to 49,999 lb	4 482	686	380
50,000 to 99,999 lb	488	219	139
100,000 lb or more	930	641	499
SCTG 38, Precision instruments and apparatus	**40 091**	**1 055**	**694**
Less than 50 lb	20 904	140	106
50 to 99 lb	2 975	37	21
100 to 499 lb	6 801	150	69
500 to 749 lb	1 295	38	20
750 to 999 lb	686	35	22
1,000 to 9,999 lb	5 563	285	248
10,000 to 49,999 lb	1 803	322	196
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	**40 012**	**8 284**	**4 249**
Less than 50 lb	1 443	74	40
50 to 99 lb	1 135	100	53
100 to 499 lb	6 972	797	416
500 to 749 lb	2 395	330	170
750 to 999 lb	1 421	264	140
1,000 to 9,999 lb	17 014	3 696	1 759
10,000 to 49,999 lb	9 210	2 879	1 589
50,000 to 99,999 lb	254	96	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**115 174**	**37 598**	**13 073**
Less than 50 lb	28 404	538	290
50 to 99 lb	4 843	270	120
100 to 499 lb	12 629	1 144	521
500 to 749 lb	4 070	453	210
750 to 999 lb	2 515	365	169
1,000 to 9,999 lb	24 591	5 753	2 168
10,000 to 49,999 lb	34 966	22 301	7 326
50,000 to 99,999 lb	1 680	4 525	977
100,000 lb or more	1 475	2 248	1 292

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	**7 954**	**43 439**	**10 852**
Less than 50 lb	1	S	S
50 to 99 lb	S	S	S
100 to 499 lb	5	3	–
500 to 749 lb	S	S	–
750 to 999 lb	S	S	–
1,000 to 9,999 lb	S	595	31
10,000 to 49,999 lb	4 897	22 621	4 752
50,000 to 99,999 lb	464	4 153	587
100,000 lb or more	2 111	16 058	5 480
SCTG 43, Mixed freight	**101 032**	**43 088**	**6 087**
Less than 50 lb	2 495	146	20
50 to 99 lb	1 083	142	20
100 to 499 lb	3 584	935	116
500 to 749 lb	1 796	610	70
750 to 999 lb	1 476	525	69
1,000 to 9,999 lb	25 360	10 226	1 726
10,000 to 49,999 lb	64 034	29 790	3 983
50,000 to 99,999 lb	619	386	53
100,000 lb or more	585	328	S
Commodity unknown	**11 297**	**S**	**S**
Less than 50 lb	785	19	7
50 to 99 lb	260	16	5
100 to 499 lb	737	95	33
500 to 749 lb	303	43	9
750 to 999 lb	202	39	9
1,000 to 9,999 lb	2 017	641	158
10,000 to 49,999 lb	5 713	4 199	1 188
50,000 to 99,999 lb	535	S	S
100,000 lb or more	745	2 912	1 237

– 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	**2 348 187**	**4 465 635**	**958 477**	**378**	**700 923**	**2 511 658**	**52 662**	**194 150**	**473 095**	**45 119**
Less than 50 lb	214 883	5 570	2 113	483	54 792	2 617	47	12 736	434	40
50 to 99 lb	64 727	4 504	1 093	241	21 662	2 674	51	4 460	399	36
100 to 499 lb	200 347	27 811	5 535	200	71 964	17 747	338	15 010	2 621	235
500 to 749 lb	60 277	13 104	2 494	190	21 263	8 107	163	4 674	1 303	117
750 to 999 lb	43 041	11 008	2 202	200	14 166	6 612	133	3 857	1 122	102
1,000 to 9,999 lb	522 240	185 767	39 741	206	157 658	103 648	2 068	50 407	18 921	1 736
10,000 to 49,999 lb	872 377	1 614 987	281 419	177	204 170	976 032	19 058	74 645	167 172	15 152
50,000 to 99,999 lb	109 616	857 707	71 513	81	59 089	561 065	13 659	15 761	173 107	14 945
100,000 lb or more	260 679	1 745 178	552 367	474	96 157	833 155	17 144	12 600	108 015	12 755
SCTG 01, Live animals and live fish	**2 082**	**2 229**	**680**	**359**	**531**	**856**	**21**	**176**	**S**	**S**
Less than 50 lb	14	1	S	507	3	1	–	S	S	S
50 to 99 lb	6	1	–	152	2	S	S	1	S	S
100 to 499 lb	15	S	S	214	7	2	–	S	S	S
500 to 749 lb	1	1	–	68	–	–	–	S	S	S
750 to 999 lb	5	2	S	369	3	1	–	–	–	S
1,000 to 9,999 lb	205	94	11	103	141	47	2	S	S	S
10,000 to 49,999 lb	1 303	1 638	477	272	238	606	13	112	S	S
50,000 to 99,999 lb	316	274	122	458	S	S	S	25	16	1
100,000 lb or more	218	214	68	390	S	S	S	S	S	S
SCTG 02, Cereal grains	**12 447**	**93 425**	**16 401**	**80**	**8 609**	**65 952**	**2 050**	**700**	**5 896**	**535**
Less than 50 lb	S	S	S	194	S	S	S	S	S	S
50 to 99 lb	3	10	–	S	2	9	–	S	S	S
100 to 499 lb	14	49	1	S	13	46	–	S	S	S
500 to 749 lb	8	23	2	S	5	18	–	S	S	S
750 to 999 lb	4	15	1	51	3	12	–	S	S	S
1,000 to 9,999 lb	S	535	45	77	128	365	7	11	37	3
10,000 to 49,999 lb	608	3 940	727	166	245	1 703	57	104	762	72
50,000 to 99,999 lb	2 476	20 859	1 919	93	1 375	11 533	358	495	4 266	380
100,000 lb or more	9 062	67 994	13 707	486	6 838	52 264	1 628	87	S	S
SCTG 03, Other agricultural products	**28 044**	**53 544**	**14 667**	**203**	**12 527**	**29 220**	**981**	**2 749**	**4 460**	**448**
Less than 50 lb	930	145	48	314	647	92	1	S	12	1
50 to 99 lb	487	127	11	89	320	105	2	S	12	1
100 to 499 lb	1 480	911	72	84	1 024	743	12	140	94	8
500 to 749 lb	738	504	42	83	449	383	7	65	62	5
750 to 999 lb	457	425	34	80	275	286	5	99	94	9
1,000 to 9,999 lb	4 990	5 276	910	130	2 428	2 842	47	696	781	72
10,000 to 49,999 lb	10 283	16 062	5 833	345	2 711	6 161	176	1 093	1 695	158
50,000 to 99,999 lb	1 480	4 572	613	125	796	3 050	129	157	619	55
100,000 lb or more	7 200	25 524	7 103	535	3 876	15 556	602	331	1 092	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**22 814**	**80 762**	**10 660**	**40**	**11 027**	**52 339**	**1 527**	**3 217**	**9 051**	**823**
Less than 50 lb	109	S	3	S	S	S	S	2	1	–
50 to 99 lb	S	195	4	19	S	192	S	1	S	S
100 to 499 lb	687	987	21	18	S	953	13	21	12	1
500 to 749 lb	287	475	14	S	S	438	6	17	13	1
750 to 999 lb	179	233	11	S	S	201	4	13	10	1
1,000 to 9,999 lb	2 268	4 257	326	63	1 062	3 010	68	255	475	43
10,000 to 49,999 lb	14 075	48 435	5 680	107	6 309	32 014	897	S	5 605	518
50,000 to 99,999 lb	3 307	17 590	2 043	114	1 998	11 203	321	381	2 241	192
100,000 lb or more	1 739	8 526	2 559	461	494	4 267	214	S	693	66
SCTG 05, Meat, fish, seafood, and their preparations	**61 878**	**30 812**	**12 734**	**152**	**14 806**	**7 056**	**194**	**6 499**	**3 446**	**334**
Less than 50 lb	514	63	8	167	290	41	1	S	10	1
50 to 99 lb	799	138	13	94	464	86	2	131	28	3
100 to 499 lb	3 471	946	80	82	2 246	605	15	548	179	16
500 to 749 lb	1 505	496	57	114	812	242	6	273	115	10
750 to 999 lb	1 057	441	60	134	501	206	5	179	82	7
1,000 to 9,999 lb	14 532	6 194	1 681	224	3 967	1 898	48	1 744	908	86
10,000 to 49,999 lb	37 777	20 747	10 042	469	6 112	3 562	103	3 449	2 003	197
50,000 to 99,999 lb	1 076	844	392	487	S	S	S	33	37	3
100,000 lb or more	1 148	944	401	571	S	202	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**29 633**	**23 827**	**9 025**	**89**	**8 076**	**6 040**	**161**	**3 737**	**3 690**	**342**
Less than 50 lb	370	124	8	S	253	93	2	41	14	1
50 to 99 lb	434	225	10	S	339	185	4	44	21	2
100 to 499 lb	1 955	759	51	58	1 357	535	10	257	112	10
500 to 749 lb	1 108	361	39	108	486	170	4	296	92	8
750 to 999 lb	921	346	49	142	373	130	4	171	84	7
1,000 to 9,999 lb	7 220	3 701	873	193	2 342	1 192	29	1 042	643	58
10,000 to 49,999 lb	15 799	13 920	5 812	402	2 347	2 560	73	1 570	2 087	197
50,000 to 99,999 lb	641	2 284	323	139	261	1 000	30	159	536	50
100,000 lb or more	1 186	2 107	1 859	984	S	175	4	158	100	8

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	**104 054**	**124 712**	**31 675**	**132**	**37 648**	**49 990**	**1 181**	**15 250**	**19 441**	**1 788**
Less than 50 lb	1 042	216	32	317	676	163	4	80	16	1
50 to 99 lb	945	438	29	68	679	360	8	109	37	3
100 to 499 lb	5 799	4 186	215	49	4 348	3 457	73	590	415	35
500 to 749 lb	2 631	1 994	115	58	1 807	1 611	36	300	188	16
750 to 999 lb	2 078	1 637	94	58	1 381	1 313	28	213	131	12
1,000 to 9,999 lb	19 890	17 968	1 980	94	10 322	12 366	255	2 366	1 843	171
10,000 to 49,999 lb	63 085	75 785	19 919	242	15 702	24 193	608	10 803	14 677	1 339
50,000 to 99,999 lb	3 040	7 729	1 049	133	1 468	3 431	83	568	1 517	136
100,000 lb or more	5 545	14 760	8 241	588	1 264	3 096	85	220	618	75
SCTG 08, Alcoholic beverages	**27 871**	**23 651**	**4 089**	**31**	**17 855**	**14 237**	**267**	**1 874**	**1 096**	**95**
Less than 50 lb	355	69	2	33	298	59	1	41	7	1
50 to 99 lb	439	144	4	29	366	128	2	39	10	1
100 to 499 lb	3 774	2 098	52	25	3 321	1 952	36	312	106	9
500 to 749 lb	1 863	1 234	32	26	1 641	1 146	22	139	58	5
750 to 999 lb	1 408	1 073	27	25	1 285	1 018	20	78	37	3
1,000 to 9,999 lb	9 588	7 719	214	26	8 310	7 211	134	711	317	27
10,000 to 49,999 lb	9 041	9 082	3 121	283	2 279	2 137	43	512	482	43
50,000 to 99,999 lb	977	1 513	285	171	328	491	8	S	S	S
100,000 lb or more	425	720	S	486	S	S	S	–	–	–
SCTG 09, Tobacco products	**38 916**	**3 085**	**855**	**478**	**13 282**	**2 017**	**56**	**1 468**	**117**	**11**
Less than 50 lb	952	27	8	656	535	16	–	134	4	–
50 to 99 lb	793	27	3	118	552	20	–	107	3	–
100 to 499 lb	2 772	128	24	171	1 389	61	2	505	22	2
500 to 749 lb	727	46	10	206	259	19	1	167	9	1
750 to 999 lb	526	32	7	232	S	12	–	144	7	1
1,000 to 9,999 lb	2 529	149	52	356	559	41	1	192	15	1
10,000 to 49,999 lb	30 408	2 611	721	209	9 775	1 817	S	219	56	5
50,000 to 99,999 lb	S	S	S	249	S	S	S	–	–	–
100,000 lb or more	S	58	S	487	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**755**	**6 051**	**486**	**158**	**289**	**4 772**	**44**	**39**	**179**	**18**
Less than 50 lb	S	1	S	394	1	–	S	S	S	S
50 to 99 lb	4	1	–	218	3	1	–	S	S	S
100 to 499 lb	38	13	2	151	30	9	–	S	S	S
500 to 749 lb	17	7	2	312	6	4	–	S	S	S
750 to 999 lb	S	8	1	183	S	4	–	S	S	S
1,000 to 9,999 lb	153	155	33	192	73	88	2	10	10	1
10,000 to 49,999 lb	457	4 405	331	S	150	3 487	33	S	106	10
50,000 to 99,999 lb	S	S	62	S	4	S	S	S	S	S
100,000 lb or more	S	S	53	160	S	S	S	–	–	–
SCTG 11, Natural sands	**1 481**	**177 493**	**11 601**	**42**	**831**	**127 719**	**2 619**	**177**	**32 263**	**2 868**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	–	S	302	S	–	S	–	–	–
100 to 499 lb	11	12	1	67	S	10	–	S	1	–
500 to 749 lb	2	8	–	42	2	6	–	S	S	S
750 to 999 lb	S	4	S	89	S	3	–	S	S	S
1,000 to 9,999 lb	79	1 149	43	36	42	1 020	16	S	S	S
10,000 to 49,999 lb	798	74 914	2 566	30	499	64 948	1 116	65	7 133	625
50,000 to 99,999 lb	347	67 247	3 641	55	222	43 484	1 142	64	S	S
100,000 lb or more	236	34 158	5 351	165	57	18 248	345	35	3 532	341
SCTG 12, Gravel and crushed stone	**4 316**	**671 150**	**36 406**	**43**	**3 405**	**545 693**	**9 237**	**374**	**64 173**	**5 854**
Less than 50 lb	S	S	–	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	561	–	7	–	S	S	S
500 to 749 lb	–	S	S	S	–	S	S	S	S	S
750 to 999 lb	–	17	–	S	–	17	–	S	S	S
1,000 to 9,999 lb	51	2 463	76	31	40	2 245	29	4	S	7
10,000 to 49,999 lb	2 773	427 263	15 987	37	2 425	377 223	5 934	159	26 525	2 306
50,000 to 99,999 lb	960	161 242	7 701	48	734	126 666	2 396	153	26 302	2 296
100,000 lb or more	440	80 132	12 632	164	205	39 520	877	57	11 259	1 244
SCTG 13, Nonmetallic minerals n.e.c.	**5 293**	**104 223**	**28 800**	**204**	**1 163**	**66 389**	**1 889**	**398**	**5 554**	**544**
Less than 50 lb	22	2	1	513	7	1	–	S	S	S
50 to 99 lb	S	9	S	625	3	3	–	S	S	S
100 to 499 lb	105	45	8	181	60	29	1	2	2	–
500 to 749 lb	41	38	4	113	S	25	–	5	S	S
750 to 999 lb	15	11	1	126	4	5	–	S	S	S
1,000 to 9,999 lb	398	1 182	134	116	137	770	18	S	150	13
10,000 to 49,999 lb	2 803	46 376	5 092	113	460	36 872	S	230	1 905	174
50,000 to 99,999 lb	266	9 361	1 098	116	52	4 872	160	44	S	192
100,000 lb or more	1 605	47 198	22 454	585	426	23 812	784	46	1 349	164

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	**2 308**	**11 063**	**3 737**	**212**	**596**	**4 945**	**70**	**151**	**S**	**S**
Less than 50 lb	S	1	–	302	4	–	–	S	S	S
50 to 99 lb	11	1	S	S	4	S	S	S	S	S
100 to 499 lb	157	7	2	248	S	4	–	S	S	S
500 to 749 lb	36	S	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	181	118	22	S	36	S	1	S	S	S
10,000 to 49,999 lb	1 047	5 401	948	183	148	S	S	128	S	S
50,000 to 99,999 lb	82	1 199	46	S	S	S	S	S	29	3
100,000 lb or more	772	4 327	2 718	795	S	S	S	1	43	5
SCTG 15, Coal	**13 306**	**529 110**	**147 442**	**96**	**4 688**	**213 447**	**5 116**	**1 107**	**41 693**	**6 037**
Less than 50 lb	S	S	S	27	S	S	S	S	S	S
50 to 99 lb	S	S	S	57	S	S	S	–	–	–
100 to 499 lb	S	S	S	82	S	S	S	S	S	S
500 to 749 lb	S	S	S	70	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	45	4	64	S	35	1	S	S	S
10,000 to 49,999 lb	87	2 438	253	108	45	1 618	44	6	203	23
50,000 to 99,999 lb	1 388	53 950	5 898	91	1 092	42 411	1 049	46	1 478	150
100,000 lb or more	11 687	472 675	141 287	112	3 434	169 380	4 022	1 054	40 010	5 863
SCTG 17, Gasoline and aviation turbine fuel	**88 933**	**487 052**	**96 689**	**46**	**57 602**	**299 655**	**4 481**	**9 047**	**39 058**	**3 479**
Less than 50 lb	8	6	–	S	8	6	–	–	–	–
50 to 99 lb	6	13	–	12	5	12	–	S	S	S
100 to 499 lb	61	133	2	11	60	132	1	S	S	S
500 to 749 lb	29	49	1	23	29	48	1	S	S	S
750 to 999 lb	43	59	1	25	40	55	1	S	S	S
1,000 to 9,999 lb	4 615	8 119	300	31	3 775	6 947	133	468	661	60
10,000 to 49,999 lb	11 276	45 694	3 137	64	7 891	31 425	611	1 638	7 042	638
50,000 to 99,999 lb	35 679	139 843	8 012	58	27 107	102 857	2 287	5 405	22 736	1 936
100,000 lb or more	37 216	293 137	85 236	144	18 687	158 172	1 447	1 534	8 617	845
SCTG 18, Fuel oils	**42 177**	**235 449**	**31 596**	**30**	**29 910**	**165 408**	**3 171**	**3 481**	**19 599**	**1 787**
Less than 50 lb	S	6	–	12	S	6	–	S	S	S
50 to 99 lb	S	16	–	12	S	15	–	S	S	S
100 to 499 lb	152	275	4	13	151	272	3	S	S	S
500 to 749 lb	133	309	6	19	130	299	4	S	S	S
750 to 999 lb	120	313	5	17	119	307	5	S	S	S
1,000 to 9,999 lb	3 407	10 188	295	23	2 939	9 293	152	189	396	33
10,000 to 49,999 lb	5 109	25 313	1 507	55	3 832	18 626	416	772	3 948	348
50,000 to 99,999 lb	9 608	50 750	2 992	59	7 091	36 842	742	1 465	8 005	669
100,000 lb or more	23 625	148 279	26 787	154	15 625	99 747	1 849	1 052	7 240	737
SCTG 19, Coal and petroleum products, n.e.c.	**37 583**	**181 176**	**37 801**	**119**	**17 359**	**112 139**	**2 126**	**3 871**	**16 667**	**1 544**
Less than 50 lb	252	54	5	116	196	45	1	13	3	–
50 to 99 lb	206	71	7	94	149	59	1	18	5	–
100 to 499 lb	1 135	723	59	86	790	594	10	160	66	5
500 to 749 lb	280	321	13	43	213	291	6	28	13	1
750 to 999 lb	380	448	S	119	258	343	7	64	50	5
1,000 to 9,999 lb	3 031	4 352	S	129	1 936	3 063	67	402	468	40
10,000 to 49,999 lb	9 674	48 524	8 573	196	2 894	29 578	686	954	4 127	365
50,000 to 99,999 lb	2 205	12 836	1 370	106	1 138	7 619	163	461	1 801	168
100,000 lb or more	20 420	113 848	27 030	462	9 784	70 547	1 186	1 772	10 134	959
SCTG 20, Basic chemicals	**108 045**	**194 411**	**88 699**	**228**	**28 744**	**66 791**	**1 320**	**6 488**	**17 568**	**1 653**
Less than 50 lb	1 098	50	12	327	436	32	1	74	4	–
50 to 99 lb	371	66	13	214	103	45	1	21	5	–
100 to 499 lb	1 329	754	49	64	663	661	12	89	27	2
500 to 749 lb	510	309	29	95	235	251	6	33	18	2
750 to 999 lb	372	285	26	88	166	231	4	27	13	1
1,000 to 9,999 lb	6 277	3 483	879	219	1 580	1 703	40	667	521	47
10,000 to 49,999 lb	37 783	50 179	17 958	366	7 512	14 785	358	2 320	7 050	673
50,000 to 99,999 lb	2 116	6 093	1 423	205	737	3 055	73	209	985	92
100,000 lb or more	58 188	133 190	68 310	720	17 313	46 027	825	3 048	8 945	835
SCTG 21, Pharmaceutical products	**70 002**	**4 923**	**3 095**	**684**	**16 106**	**1 093**	**21**	**6 389**	**378**	**37**
Less than 50 lb	21 801	219	99	709	3 379	52	1	1 916	26	2
50 to 99 lb	4 276	83	24	304	1 001	24	1	517	12	1
100 to 499 lb	11 098	313	138	449	2 510	73	2	1 541	52	5
500 to 749 lb	2 065	90	51	587	256	15	–	207	12	1
750 to 999 lb	1 764	74	32	426	247	14	–	275	8	1
1,000 to 9,999 lb	13 037	550	226	435	2 889	122	3	1 263	99	9
10,000 to 49,999 lb	15 895	3 162	2 508	765	5 775	S	6	671	167	17
50,000 to 99,999 lb	S	S	S	495	S	S	S	S	S	S
100,000 lb or more	S	S	S	19	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 22, Fertilizers	**13 073**	**102 268**	**27 107**	**96**	**6 932**	**66 897**	**1 988**	**834**	**4 134**	**402**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	25	15	–	24	S	14	S	S	S	S
100 to 499 lb	85	81	4	40	56	65	1	S	S	S
500 to 749 lb	35	56	3	56	21	44	1	3	5	–
750 to 999 lb	27	36	3	74	12	25	–	3	3	–
1,000 to 9,999 lb	976	3 144	149	57	659	2 671	49	101	182	17
10,000 to 49,999 lb	3 727	17 000	2 792	131	2 026	8 809	222	445	2 395	229
50,000 to 99,999 lb	998	8 230	853	106	531	5 001	116	141	1 027	101
100,000 lb or more	7 122	73 694	23 302	651	3 579	50 261	1 598	72	504	53
SCTG 23, Chemical products and preparations, n.e.c.	**61 116**	**36 449**	**17 210**	**318**	**16 929**	**9 862**	**218**	**4 009**	**2 740**	**263**
Less than 50 lb	3 985	221	64	350	1 570	102	2	316	17	2
50 to 99 lb	1 539	157	37	229	736	85	1	83	10	1
100 to 499 lb	5 077	980	199	203	2 380	583	8	408	73	7
500 to 749 lb	1 811	402	103	252	693	192	4	138	38	3
750 to 999 lb	1 235	318	97	305	425	140	3	130	31	3
1,000 to 9,999 lb	11 916	3 905	1 493	363	3 354	1 346	34	908	382	35
10,000 to 49,999 lb	29 283	22 651	10 783	467	6 252	4 846	133	1 892	1 908	184
50,000 to 99,999 lb	583	1 260	288	229	267	555	13	66	161	15
100,000 lb or more	5 687	6 554	4 145	873	1 251	2 013	20	68	120	14
SCTG 24, Plastics and rubber	**108 620**	**59 035**	**38 201**	**290**	**23 307**	**13 191**	**311**	**7 615**	**3 839**	**359**
Less than 50 lb	5 285	250	71	296	2 038	134	2	443	23	2
50 to 99 lb	2 239	239	57	238	989	140	3	202	26	2
100 to 499 lb	8 432	1 348	296	215	3 832	760	15	1 023	189	17
500 to 749 lb	2 915	576	163	282	1 114	283	6	274	68	6
750 to 999 lb	1 947	395	129	326	594	154	4	350	72	7
1,000 to 9,999 lb	23 384	7 876	3 123	371	5 367	2 099	47	2 146	747	69
10,000 to 49,999 lb	46 940	26 558	15 081	555	6 144	5 559	120	2 363	1 667	157
50,000 to 99,999 lb	804	737	305	417	215	198	3	159	218	16
100,000 lb or more	16 673	21 055	18 978	901	3 015	3 864	110	654	829	82
SCTG 25, Logs and other wood in the rough	**5 948**	**231 110**	**16 033**	**68**	**3 320**	**143 855**	**4 285**	**1 336**	**64 548**	**5 274**
Less than 50 lb	S	S	S	1 134	S	S	S	–	–	–
50 to 99 lb	S	–	S	114	S	S	S	S	S	S
100 to 499 lb	13	4	S	S	7	4	S	S	S	S
500 to 749 lb	4	S	S	75	1	S	–	S	S	S
750 to 999 lb	S	2	S	406	S	S	S	S	S	S
1,000 to 9,999 lb	145	391	50	S	65	322	13	17	20	2
10,000 to 49,999 lb	2 191	59 913	3 842	63	1 101	38 428	1 208	421	16 286	1 323
50,000 to 99,999 lb	2 956	136 510	7 376	55	1 831	84 605	2 560	826	44 790	3 591
100,000 lb or more	632	34 281	4 763	S	313	S	S	S	S	S
SCTG 26, Wood products	**51 182**	**174 948**	**42 523**	**242**	**13 952**	**61 365**	**1 913**	**6 874**	**35 693**	**3 281**
Less than 50 lb	647	54	21	443	175	19	–	72	7	1
50 to 99 lb	391	62	12	191	157	31	1	54	10	1
100 to 499 lb	1 837	419	56	126	915	239	5	255	61	6
500 to 749 lb	856	254	35	133	400	143	3	174	49	4
750 to 999 lb	648	247	34	137	302	143	3	85	35	3
1,000 to 9,999 lb	7 778	6 241	776	131	3 782	3 804	83	1 097	961	88
10,000 to 49,999 lb	27 694	82 545	18 826	214	5 685	27 212	781	3 823	13 038	1 245
50,000 to 99,999 lb	4 983	47 692	5 954	123	1 525	20 382	733	1 160	17 604	1 586
100,000 lb or more	6 347	37 435	16 809	563	1 010	9 391	304	153	3 930	346
SCTG 27, Pulp, newsprint, paper, and paperboard	**43 104**	**69 092**	**43 764**	**178**	**8 468**	**8 957**	**191**	**2 895**	**4 720**	**495**
Less than 50 lb	345	50	5	109	238	38	1	33	4	–
50 to 99 lb	277	71	9	117	173	48	1	33	12	1
100 to 499 lb	1 410	526	61	116	860	360	7	227	74	7
500 to 749 lb	494	246	27	108	292	168	3	72	30	3
750 to 999 lb	382	191	23	117	245	133	3	48	25	2
1,000 to 9,999 lb	4 247	2 976	528	145	2 156	1 761	35	487	407	36
10,000 to 49,999 lb	22 743	32 683	18 836	544	3 472	4 197	83	1 120	2 083	206
50,000 to 99,999 lb	1 322	3 582	1 402	342	336	687	11	412	952	93
100,000 lb or more	11 885	28 768	22 872	814	695	1 566	47	462	1 132	145
SCTG 28, Paper or paperboard articles	**31 959**	**24 638**	**8 220**	**222**	**9 731**	**7 597**	**179**	**3 080**	**3 195**	**294**
Less than 50 lb	1 256	113	25	288	658	68	1	80	10	1
50 to 99 lb	621	132	21	156	361	83	2	78	18	2
100 to 499 lb	2 012	617	73	122	1 185	414	9	257	80	7
500 to 749 lb	726	299	39	131	393	185	4	78	31	3
750 to 999 lb	516	210	25	122	305	138	4	52	26	2
1,000 to 9,999 lb	6 802	4 977	804	145	3 054	2 621	56	951	830	75
10,000 to 49,999 lb	19 340	16 746	6 292	329	3 698	3 792	98	1 536	2 087	195
50,000 to 99,999 lb	206	393	116	274	S	160	3	S	57	4
100,000 lb or more	479	1 152	824	798	S	S	S	S	55	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	**61 379**	**25 874**	**5 572**	**416**	**27 467**	**17 012**	**247**	**2 818**	**1 163**	**104**
Less than 50 lb	11 085	620	298	449	3 157	261	4	446	37	3
50 to 99 lb	2 893	279	81	293	1 023	164	2	122	13	1
100 to 499 lb	9 691	1 509	347	234	4 735	1 032	17	424	69	6
500 to 749 lb	2 544	663	112	168	1 179	489	7	175	36	3
750 to 999 lb	1 879	549	73	137	944	423	6	97	23	2
1,000 to 9,999 lb	19 016	8 997	1 272	141	9 952	6 586	103	973	535	48
10,000 to 49,999 lb	13 197	10 463	3 189	249	5 548	5 572	98	553	396	35
50,000 to 99,999 lb	301	281	S	420	201	143	2	S	31	3
100,000 lb or more	S	S	S	S	S	S	8	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**200 973**	**32 351**	**15 828**	**817**	**38 531**	**7 030**	**167**	**23 666**	**2 890**	**278**
Less than 50 lb	13 801	428	345	858	1 230	46	1	541	17	2
50 to 99 lb	4 088	220	167	752	510	28	1	190	12	1
100 to 499 lb	11 847	1 039	709	684	1 743	183	4	559	65	6
500 to 749 lb	4 953	569	351	615	724	105	3	268	46	5
750 to 999 lb	4 222	472	302	640	648	93	2	234	28	3
1,000 to 9,999 lb	75 038	7 385	3 901	564	14 539	1 549	37	S	680	64
10,000 to 49,999 lb	80 198	19 699	8 778	440	15 880	4 432	109	7 255	1 905	183
50,000 to 99,999 lb	5 922	1 632	477	274	S	482	7	103	96	9
100,000 lb or more	905	907	799	777	312	112	S	S	S	S
SCTG 31, Nonmetallic mineral products	**38 260**	**337 896**	**35 463**	**219**	**14 941**	**239 434**	**4 209**	**3 383**	**30 217**	**2 771**
Less than 50 lb	1 199	91	24	444	500	55	1	63	6	1
50 to 99 lb	487	82	17	203	216	46	1	57	11	1
100 to 499 lb	1 662	440	78	177	787	277	5	124	39	3
500 to 749 lb	435	193	37	191	174	117	2	30	16	1
750 to 999 lb	409	211	32	152	169	148	2	15	10	1
1,000 to 9,999 lb	5 677	9 999	923	101	1 987	7 760	125	364	673	60
10,000 to 49,999 lb	22 433	221 720	21 739	89	8 432	163 929	2 604	1 886	17 392	1 549
50,000 to 99,999 lb	4 316	66 651	6 093	92	1 988	40 794	1 045	739	10 461	972
100,000 lb or more	1 643	38 510	6 520	194	687	26 308	424	105	1 609	182
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**72 761**	**87 986**	**35 162**	**210**	**17 565**	**25 586**	**614**	**5 802**	**8 323**	**784**
Less than 50 lb	1 397	73	16	241	584	43	1	98	6	1
50 to 99 lb	797	98	16	165	396	67	1	54	8	1
100 to 499 lb	3 384	826	125	152	1 607	531	10	335	88	8
500 to 749 lb	1 427	460	81	175	553	264	6	150	59	5
750 to 999 lb	1 042	406	64	157	409	229	5	129	62	6
1,000 to 9,999 lb	12 433	8 968	1 893	193	4 449	4 531	95	1 477	1 254	114
10,000 to 49,999 lb	39 864	50 000	17 136	322	7 000	12 692	375	3 218	5 926	558
50,000 to 99,999 lb	2 794	5 807	1 710	285	760	2 200	47	297	742	72
100,000 lb or more	9 623	21 347	14 120	685	S	S	75	44	179	19
SCTG 33, Articles of base metal	**70 445**	**38 223**	**15 843**	**306**	**21 625**	**11 199**	**218**	**5 452**	**3 634**	**344**
Less than 50 lb	8 160	294	90	305	3 380	155	3	651	20	2
50 to 99 lb	2 655	200	60	293	1 083	98	2	196	21	2
100 to 499 lb	8 689	1 133	332	286	3 337	563	11	709	105	9
500 to 749 lb	2 722	491	154	312	804	215	4	186	46	4
750 to 999 lb	2 221	432	163	376	636	171	3	174	37	3
1,000 to 9,999 lb	18 967	6 892	2 152	316	6 155	2 587	55	1 524	739	69
10,000 to 49,999 lb	21 600	20 615	8 675	417	4 270	4 956	103	1 738	1 883	173
50,000 to 99,999 lb	1 912	2 347	751	298	545	764	16	148	S	S
100,000 lb or more	3 520	5 817	3 467	673	1 415	1 688	21	126	364	39
SCTG 34, Machinery	**125 334**	**14 352**	**7 756**	**275**	**26 577**	**3 086**	**70**	**9 609**	**1 012**	**95**
Less than 50 lb	15 931	362	96	256	5 816	181	4	1 665	38	3
50 to 99 lb	5 366	240	66	272	2 069	117	3	534	23	2
100 to 499 lb	15 722	1 106	343	297	5 259	531	10	1 585	108	10
500 to 749 lb	4 664	404	161	392	1 110	156	3	311	34	3
750 to 999 lb	3 206	295	156	525	637	83	2	175	21	2
1,000 to 9,999 lb	31 003	3 537	1 879	510	6 028	911	22	1 729	230	21
10,000 to 49,999 lb	42 102	7 394	4 377	587	4 922	935	21	2 275	496	47
50,000 to 99,999 lb	4 905	666	393	623	648	151	5	S	53	5
100,000 lb or more	2 435	348	284	822	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**265 208**	**15 287**	**9 101**	**505**	**62 336**	**3 762**	**79**	**9 218**	**742**	**70**
Less than 50 lb	54 856	539	241	509	13 516	243	4	2 456	32	3
50 to 99 lb	19 106	324	148	448	5 348	141	2	807	16	2
100 to 499 lb	52 248	1 372	668	489	12 941	514	9	1 569	105	10
500 to 749 lb	10 411	454	218	476	3 002	138	2	253	25	2
750 to 999 lb	7 164	363	201	560	1 785	98	2	240	S	3
1,000 to 9,999 lb	67 945	4 005	2 281	557	14 337	1 028	22	2 469	256	27
10,000 to 49,999 lb	50 918	7 261	4 783	640	S	1 126	28	1 412	262	23
50,000 to 99,999 lb	1 753	432	S	920	573	97	S	S	S	S
100,000 lb or more	808	S	140	315	267	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)	**155 181**	**22 495**	**11 082**	**233**	**37 524**	**5 812**	**135**	**8 301**	**1 466**	**133**
Less than 50 lb	10 181	478	113	218	4 580	270	4	735	38	3
50 to 99 lb	3 122	246	52	210	1 228	129	3	322	27	2
100 to 499 lb	10 630	894	271	283	2 970	338	8	1 087	109	10
500 to 749 lb	3 152	256	103	391	767	84	2	225	21	2
750 to 999 lb	1 846	213	76	354	462	60	2	S	S	S
1,000 to 9,999 lb	60 400	7 229	3 410	430	16 831	2 205	36	2 506	400	37
10,000 to 49,999 lb	54 961	11 053	5 684	522	9 472	2 348	74	2 310	692	63
50,000 to 99,999 lb	5 731	1 213	844	694	817	210	3	120	45	4
100,000 lb or more	S	912	529	395	397	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**26 147**	**1 974**	**1 297**	**737**	**4 603**	**313**	**10**	**402**	**34**	**5**
Less than 50 lb	5 141	17	12	742	543	4	–	62	1	–
50 to 99 lb	1 828	7	5	768	174	2	–	S	S	–
100 to 499 lb	2 736	30	23	753	534	5	–	47	1	–
500 to 749 lb	1 286	10	9	849	503	1	–	S	S	S
750 to 999 lb	620	10	9	905	S	S	S	S	S	S
1,000 to 9,999 lb	8 636	354	221	604	S	25	1	195	12	1
10,000 to 49,999 lb	4 482	686	380	616	555	S	S	S	6	1
50,000 to 99,999 lb	488	219	139	638	S	S	S	–	–	–
100,000 lb or more	930	641	499	859	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**40 091**	**1 055**	**694**	**789**	**6 961**	**194**	**5**	**1 525**	**S**	**S**
Less than 50 lb	20 904	140	106	801	2 346	27	1	744	9	1
50 to 99 lb	2 975	37	21	558	579	10	–	109	2	–
100 to 499 lb	6 801	150	69	449	2 284	62	1	408	12	1
500 to 749 lb	1 295	38	20	530	337	11	–	S	1	–
750 to 999 lb	686	35	22	608	128	5	–	19	S	S
1,000 to 9,999 lb	5 563	285	248	677	1 071	62	2	159	13	1
10,000 to 49,999 lb	1 803	322	196	595	217	17	1	24	S	S
50,000 to 99,999 lb	S	S	S	261	–	–	–	–	–	–
100,000 lb or more	S	S	S	137	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**40 012**	**8 284**	**4 249**	**504**	**9 604**	**1 653**	**40**	**2 602**	**627**	**56**
Less than 50 lb	1 443	74	40	498	582	29	–	55	3	–
50 to 99 lb	1 135	100	53	521	396	34	1	58	5	–
100 to 499 lb	6 972	797	416	508	2 321	223	4	342	50	5
500 to 749 lb	2 395	330	170	515	767	77	1	133	26	2
750 to 999 lb	1 421	264	140	532	317	61	1	88	17	2
1,000 to 9,999 lb	17 014	3 696	1 759	472	3 956	878	23	1 506	330	30
10,000 to 49,999 lb	9 210	2 879	1 589	545	1 033	307	8	410	194	17
50,000 to 99,999 lb	254	96	S	719	S	19	–	S	S	S
100,000 lb or more	S	S	S	397	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**115 174**	**37 598**	**13 073**	**660**	**23 536**	**12 365**	**273**	**8 896**	**4 009**	**373**
Less than 50 lb	28 404	538	290	704	5 407	167	3	1 378	44	4
50 to 99 lb	4 843	270	120	432	1 342	97	2	335	28	3
100 to 499 lb	12 629	1 144	521	450	3 722	404	8	740	101	10
500 to 749 lb	4 070	453	210	459	937	144	3	265	43	4
750 to 999 lb	2 515	365	169	463	583	105	2	173	36	3
1,000 to 9,999 lb	24 591	5 753	2 168	369	5 917	2 016	47	1 686	573	53
10,000 to 49,999 lb	34 966	22 301	7 326	329	5 132	7 523	146	4 084	2 112	203
50,000 to 99,999 lb	1 680	4 525	977	206	S	1 439	S	212	868	80
100,000 lb or more	1 475	2 248	1 292	694	66	S	S	23	S	S
SCTG 41, Waste and scrap	**7 954**	**43 439**	**10 852**	**171**	**2 572**	**15 217**	**353**	**673**	**5 258**	**531**
Less than 50 lb	1	S	S	146	–	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	3	–	88	2	2	–	1	S	S
500 to 749 lb	S	S	–	S	S	S	S	S	S	S
750 to 999 lb	S	S	–	38	S	S	S	S	S	S
1,000 to 9,999 lb	S	595	31	S	S	537	13	16	23	2
10,000 to 49,999 lb	4 897	22 621	4 752	196	1 392	9 159	222	510	3 545	340
50,000 to 99,999 lb	464	4 153	587	132	251	2 111	40	56	853	86
100,000 lb or more	2 111	16 058	5 480	321	500	3 401	78	89	836	102
SCTG 43, Mixed freight	**101 032**	**43 088**	**6 087**	**141**	**36 702**	**17 976**	**551**	**16 927**	**7 853**	**738**
Less than 50 lb	2 495	146	20	142	1 378	87	2	302	18	2
50 to 99 lb	1 083	142	20	140	584	81	2	112	17	2
100 to 499 lb	3 584	935	116	130	1 706	469	12	660	179	17
500 to 749 lb	1 796	610	70	113	824	282	8	318	120	10
750 to 999 lb	1 476	525	69	130	488	214	6	376	97	9
1,000 to 9,999 lb	25 360	10 226	1 726	162	8 059	3 814	114	5 213	2 029	192
10,000 to 49,999 lb	64 034	29 790	3 983	131	23 062	12 779	403	9 706	5 252	495
50,000 to 99,999 lb	619	386	53	137	192	108	2	S	106	9
100,000 lb or more	585	328	S	129	S	141	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	**11 297**	**S**	**S**	**347**	**2 686**	**3 538**	**74**	**1 040**	**862**	**80**
Less than 50 lb	785	19	7	387	220	9	–	81	2	–
50 to 99 lb	260	16	5	S	123	11	–	10	1	–
100 to 499 lb	737	95	33	320	212	45	1	58	9	1
500 to 749 lb	303	43	9	215	82	22	–	20	5	S
750 to 999 lb	202	39	9	239	60	22	–	S	S	S
1,000 to 9,999 lb	2 017	641	158	241	630	210	5	258	98	9
10,000 to 49,999 lb	5 713	4 199	1 188	270	964	1 484	38	567	442	42
50,000 to 99,999 lb	535	S	S	297	123	711	22	28	269	24
100,000 lb or more	745	2 912	1 237	637	S	1 024	7	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	**401 175**	**603 269**	**141 467**	**380 848**	**439 301**	**211 085**	**250 063**	**203 828**	**171 747**	**154 108**	**121 213**	**132 190**
Less than 50 lb	28 333	664	137	27 417	562	254	25 115	436	327	20 574	318	329
50 to 99 lb	8 728	482	96	7 293	325	147	6 932	247	185	4 551	141	146
100 to 499 lb	25 556	2 646	523	24 791	1 787	792	17 995	1 193	888	14 206	679	708
500 to 749 lb	8 834	1 491	292	8 589	917	399	6 523	535	397	3 813	306	314
750 to 999 lb	5 930	1 341	263	6 484	764	331	4 126	500	369	3 371	267	275
1,000 to 9,999 lb	90 912	26 262	5 194	88 596	16 441	7 213	52 957	9 292	6 935	29 847	4 515	4 692
10,000 to 49,999 lb	180 530	206 142	41 492	168 048	129 622	56 375	107 951	65 225	48 382	53 440	32 098	33 326
50,000 to 99,999 lb	14 759	78 893	15 361	8 276	30 559	12 378	4 407	7 479	6 030	2 731	3 352	3 680
100,000 lb or more	37 593	285 348	78 109	41 355	258 324	133 197	24 056	118 922	108 234	21 575	79 538	88 720
SCTG 01, Live animals and live fish	**329**	**S**	**S**	**401**	**334**	**159**	**327**	**217**	**173**	**215**	**132**	**132**
Less than 50 lb	2	–	–	3	S	S	1	–	–	S	S	S
50 to 99 lb	2	–	–	S	S	S	S	S	S	–	–	–
100 to 499 lb	5	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	23	17	3	10	6	2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	236	214	103	216	140	111	185	115	112
50,000 to 99,999 lb	30	25	6	76	60	29	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	**987**	**6 987**	**1 487**	**622**	**5 223**	**2 591**	**1 102**	**7 371**	**6 817**	**216**	**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	1	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	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	107	657	128	91	S	S	40	126	93	12	S	S
50,000 to 99,999 lb	469	3 817	654	S	S	S	17	150	S	–	–	–
100,000 lb or more	285	2 393	683	409	3 494	1 891	1 044	7 094	6 613	203	S	S
SCTG 03, Other agricultural products	**5 303**	**6 217**	**1 456**	**3 156**	**5 700**	**2 784**	**1 590**	**4 107**	**3 543**	**880**	**1 641**	**1 798**
Less than 50 lb	19	3	1	22	S	S	23	5	S	38	S	12
50 to 99 lb	S	2	–	14	1	1	8	1	1	15	2	2
100 to 499 lb	89	34	7	39	8	4	36	6	4	39	6	6
500 to 749 lb	69	38	7	20	7	3	S	1	1	7	2	2
750 to 999 lb	50	34	7	4	3	1	3	1	1	S	S	S
1,000 to 9,999 lb	937	925	173	397	357	155	164	107	76	80	66	72
10,000 to 49,999 lb	2 872	2 748	550	1 659	2 297	1 008	748	964	720	342	628	665
50,000 to 99,999 lb	336	585	125	69	118	55	8	S	S	S	29	32
100,000 lb or more	S	S	S	931	2 904	1 555	586	2 974	2 704	341	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 722**	**9 728**	**1 944**	**2 488**	**5 286**	**2 273**	**1 117**	**3 167**	**2 459**	**701**	**655**	**730**
Less than 50 lb	1	–	–	4	S	S	S	S	S	S	S	–
50 to 99 lb	S	1	S	2	1	–	S	S	S	S	S	S
100 to 499 lb	S	19	S	9	2	1	S	–	–	S	S	S
500 to 749 lb	36	20	4	S	S	S	S	S	S	S	S	S
750 to 999 lb	25	13	2	13	7	3	S	S	S	S	S	S
1,000 to 9,999 lb	532	583	111	282	135	57	83	S	S	28	9	10
10,000 to 49,999 lb	2 401	5 425	1 078	1 789	3 517	1 479	580	1 278	919	440	335	360
50,000 to 99,999 lb	468	2 645	507	180	818	368	94	441	326	S	S	S
100,000 lb or more	215	1 021	238	204	803	363	S	S	S	78	197	239
SCTG 05, Meat, fish, seafood, and their preparations	**12 314**	**6 763**	**1 385**	**11 427**	**6 215**	**2 676**	**7 026**	**3 390**	**2 517**	**3 984**	**1 408**	**1 466**
Less than 50 lb	49	7	1	S	S	S	S	S	S	S	S	S
50 to 99 lb	83	15	3	S	S	S	S	S	S	S	S	S
100 to 499 lb	424	129	22	121	20	8	23	4	3	24	3	3
500 to 749 lb	283	111	20	76	17	7	21	5	4	14	3	3
750 to 999 lb	246	122	23	58	17	7	15	4	3	16	S	S
1,000 to 9,999 lb	3 671	1 772	343	2 004	852	352	1 132	332	247	962	191	196
10,000 to 49,999 lb	6 919	4 143	877	8 378	4 864	2 107	5 669	2 905	2 150	2 913	1 162	1 216
50,000 to 99,999 lb	S	295	65	146	104	40	98	75	57	S	S	S
100,000 lb or more	S	169	31	S	333	151	43	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**7 228**	**4 870**	**980**	**4 763**	**4 114**	**1 796**	**2 854**	**2 227**	**1 678**	**1 425**	**1 396**	**1 528**
Less than 50 lb	S	S	S	13	2	1	3	1	–	2	–	–
50 to 99 lb	41	17	3	6	1	1	S	–	–	S	S	S
100 to 499 lb	253	89	16	S	15	6	13	4	3	9	2	2
500 to 749 lb	S	78	15	S	S	6	S	S	S	S	1	1
750 to 999 lb	S	108	21	41	16	7	8	3	2	S	S	S
1,000 to 9,999 lb	1 811	892	173	1 238	605	264	502	241	176	130	57	57
10,000 to 49,999 lb	4 291	2 944	589	3 176	2 897	1 247	2 218	1 678	1 247	1 011	772	787
50,000 to 99,999 lb	121	474	S	70	S	S	14	S	S	S	17	19
100,000 lb or more	101	253	62	106	364	188	84	248	212	252	544	660

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	**21 140**	**25 038**	**4 909**	**12 966**	**14 652**	**6 648**	**7 193**	**7 717**	**6 104**	**4 162**	**3 262**	**3 422**
Less than 50 lb	99	15	3	51	7	3	32	3	3	42	4	5
50 to 99 lb	70	25	4	41	6	3	S	S	S	S	S	S
100 to 499 lb	496	222	40	212	54	21	63	16	12	S	4	4
500 to 749 lb	333	140	27	107	32	14	45	13	10	18	4	4
750 to 999 lb	321	141	26	126	41	16	17	4	3	11	3	3
1,000 to 9,999 lb	3 726	2 170	425	1 909	904	369	742	340	248	369	157	161
10,000 to 49,999 lb	14 772	18 454	3 594	8 940	9 168	3 870	5 211	4 336	3 273	3 256	2 191	2 261
50,000 to 99,999 lb	681	2 136	382	161	437	187	22	42	32	43	45	48
100,000 lb or more	644	1 735	408	1 418	4 002	2 165	1 034	2 957	2 519	385	851	932
SCTG 08, Alcoholic beverages	**3 340**	**3 675**	**760**	**2 744**	**3 147**	**1 331**	**809**	**708**	**546**	**451**	**451**	**474**
Less than 50 lb	16	3	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	33	5	1	S	–	–	S	S	S	S	S	S
100 to 499 lb	138	40	6	2	1	–	–	S	S	S	S	S
500 to 749 lb	80	28	5	S	S	S	S	S	S	–	–	–
750 to 999 lb	43	16	3	1	S	S	S	–	–	S	S	S
1,000 to 9,999 lb	479	165	27	27	8	4	17	7	6	12	S	S
10,000 to 49,999 lb	1 991	2 554	541	2 434	2 713	1 164	705	556	411	379	331	348
50,000 to 99,999 lb	427	665	124	134	219	82	S	S	S	S	S	S
100,000 lb or more	133	197	53	S	S	S	S	S	S	S	S	S
SCTG 09, Tobacco products	**2 425**	**208**	**42**	**8 993**	**331**	**159**	**5 292**	**176**	**130**	**1 964**	**62**	**65**
Less than 50 lb	63	2	–	25	1	–	28	1	1	51	2	2
50 to 99 lb	87	2	–	20	1	–	13	1	–	4	–	–
100 to 499 lb	369	19	4	300	16	6	129	6	4	46	2	2
500 to 749 lb	105	6	1	130	6	3	39	2	2	S	S	S
750 to 999 lb	53	4	1	71	4	2	S	S	S	S	S	S
1,000 to 9,999 lb	508	34	7	595	25	11	502	26	18	87	4	5
10,000 to 49,999 lb	1 105	117	24	7 852	279	136	4 514	136	101	1 744	51	54
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**208**	**668**	**141**	**105**	**262**	**116**	**54**	**106**	**75**	**17**	**32**	**32**
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	S	S
100 to 499 lb	S	S	S	1	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	1	1	–	S	S	S	S	S	S
1,000 to 9,999 lb	29	27	6	20	14	7	12	9	7	5	4	4
10,000 to 49,999 lb	S	515	112	60	189	81	36	74	53	S	16	16
50,000 to 99,999 lb	4	S	S	–	5	2	–	–	–	S	S	S
100,000 lb or more	2	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	**168**	**13 241**	**3 556**	**165**	**3 305**	**1 431**	**67**	**463**	**395**	**45**	**236**	**290**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	2	12	2	S	8	4	1	5	S	S	S	S
10,000 to 49,999 lb	75	2 157	381	83	447	180	34	78	54	28	73	76
50,000 to 99,999 lb	26	1 614	292	10	554	219	S	70	51	–	–	–
100,000 lb or more	59	9 456	2 880	49	2 295	1 027	S	310	285	S	162	212
SCTG 12, Gravel and crushed stone	**320**	**44 527**	**9 878**	**74**	**10 444**	**4 752**	**S**	**2 759**	**2 543**	**18**	**2 858**	**3 269**
Less than 50 lb	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	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	102	18	–	15	6	S	S	S	S	S	S
10,000 to 49,999 lb	137	17 470	3 539	30	3 694	1 630	S	291	207	12	1 882	2 148
50,000 to 99,999 lb	55	6 118	1 131	10	844	347	S	S	S	4	753	848
100,000 lb or more	121	20 838	5 189	34	5 891	2 769	21	2 408	S	1	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**1 518**	**9 035**	**2 214**	**857**	**5 434**	**2 743**	**599**	**8 878**	**S**	**326**	**5 644**	**7 128**
Less than 50 lb	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
100 to 499 lb	15	5	1	S	3	1	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	3	2	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	111	178	35	26	39	16	9	19	14	S	5	6
10,000 to 49,999 lb	S	2 972	636	608	2 179	978	261	1 460	1 099	117	550	566
50,000 to 99,999 lb	130	1 775	361	20	354	152	12	148	121	S	22	22
100,000 lb or more	234	4 096	1 180	180	2 857	1 595	290	S	S	183	5 065	6 533

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	**443**	**2 251**	**608**	**411**	**590**	**324**	**175**	**321**	**255**	**261**	**794**	**1 017**
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	S	S
100 to 499 lb	4	–	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	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	20	7	3	28	8	6	7	3	3
10,000 to 49,999 lb	227	S	S	295	304	148	80	132	98	78	112	114
50,000 to 99,999 lb	6	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	180	848	316	54	267	166	22	179	150	112	677	897
SCTG 15, Coal	**3 103**	**115 429**	**38 208**	**3 771**	**134 118**	**70 805**	**605**	**23 610**	**25 951**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	5	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	17	464	98	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	160	6 211	1 717	53	2 213	1 391	S	S	S	–	–	–
100,000 lb or more	2 917	108 749	36 392	3 695	131 761	69 340	557	21 969	24 357	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**10 731**	**51 983**	**9 397**	**6 343**	**31 916**	**11 092**	**2 657**	**26 565**	**20 820**	**1 598**	**28 176**	**26 330**
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	359	483	94	8	24	9	S	S	S	S	S	S
10,000 to 49,999 lb	1 336	6 119	1 121	200	622	259	S	S	S	63	S	S
50,000 to 99,999 lb	2 460	11 017	2 003	476	2 236	979	S	S	S	S	S	S
100,000 lb or more	6 572	34 362	6 179	5 659	29 033	9 844	2 405	25 570	20 136	1 497	27 795	25 881
SCTG 18, Fuel oils	**5 517**	**29 858**	**5 781**	**1 201**	**7 764**	**S**	**933**	**5 607**	**4 351**	**S**	**S**	**S**
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	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	262	462	91	S	24	9	S	S	S	S	S	S
10,000 to 49,999 lb	406	2 205	423	70	375	167	S	S	S	S	S	S
50,000 to 99,999 lb	857	4 806	926	135	743	323	S	S	S	S	S	S
100,000 lb or more	3 992	22 379	4 340	981	6 620	S	897	5 395	4 203	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**5 159**	**20 525**	**4 087**	**4 141**	**14 048**	**7 273**	**3 153**	**8 511**	**7 386**	**1 546**	**2 793**	**3 240**
Less than 50 lb	20	3	1	4	1	–	3	S	S	4	–	S
50 to 99 lb	18	3	1	S	–	–	S	S	S	S	S	S
100 to 499 lb	75	28	5	32	7	3	19	S	S	10	2	2
500 to 749 lb	12	6	1	19	S	S	S	1	1	S	S	S
750 to 999 lb	22	16	3	S	5	2	S	S	S	S	S	S
1,000 to 9,999 lb	319	390	76	155	107	44	62	51	40	S	38	38
10,000 to 49,999 lb	1 840	7 337	1 361	1 369	2 820	1 203	1 256	S	S	708	988	1 027
50,000 to 99,999 lb	423	2 749	523	84	436	209	S	77	61	S	32	34
100,000 lb or more	2 430	9 994	2 117	2 465	10 663	5 809	1 766	5 878	5 348	698	1 731	2 137
SCTG 20, Basic chemicals	**14 514**	**31 173**	**7 478**	**19 758**	**29 949**	**13 426**	**9 156**	**12 161**	**10 359**	**11 633**	**17 269**	**21 800**
Less than 50 lb	103	4	1	116	3	1	154	3	2	104	2	2
50 to 99 lb	28	4	1	58	4	2	28	1	1	S	S	3
100 to 499 lb	140	30	6	151	17	7	121	8	6	71	5	5
500 to 749 lb	50	16	3	77	14	6	61	3	3	S	3	3
750 to 999 lb	31	16	3	S	S	S	17	3	2	22	3	3
1,000 to 9,999 lb	816	488	94	1 381	314	128	594	128	95	457	127	135
10,000 to 49,999 lb	6 059	11 547	2 342	7 372	7 299	2 981	3 851	2 714	1 990	3 246	2 152	2 235
50,000 to 99,999 lb	418	849	167	205	402	184	128	211	173	300	428	442
100,000 lb or more	6 868	18 220	4 862	10 321	21 879	10 109	4 202	9 090	8 088	7 334	14 547	18 972
SCTG 21, Pharmaceutical products	**18 608**	**756**	**148**	**11 736**	**894**	**425**	**6 091**	**789**	**598**	**3 755**	**263**	**273**
Less than 50 lb	5 406	57	12	2 806	26	11	2 385	18	13	2 460	16	17
50 to 99 lb	1 739	27	5	509	9	4	133	S	S	189	3	3
100 to 499 lb	2 928	87	18	2 313	29	12	348	13	10	S	11	12
500 to 749 lb	797	24	5	S	10	4	57	5	3	S	3	4
750 to 999 lb	243	21	4	S	15	6	51	3	2	S	S	S
1,000 to 9,999 lb	4 415	139	25	2 370	51	24	1 194	61	43	352	21	22
10,000 to 49,999 lb	3 075	401	79	2 879	745	361	1 922	681	519	261	201	209
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	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	**1 391**	**7 565**	**1 755**	**1 292**	**8 873**	**4 296**	**1 029**	**6 077**	**5 452**	**875**	**5 008**	**6 126**
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	7	4	1	2	1	1	S	S	S	S	S	S
500 to 749 lb	8	5	1	1	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	1	–	S	S	S	–	–	–
1,000 to 9,999 lb	150	229	43	50	43	20	S	S	S	S	S	S
10,000 to 49,999 lb	623	3 106	606	344	1 516	647	175	759	545	63	237	242
50,000 to 99,999 lb	226	1 585	322	70	457	178	23	117	92	S	S	S
100,000 lb or more	367	2 629	780	822	6 853	3 450	819	5 191	4 807	801	4 731	5 843
SCTG 23, Chemical products and preparations, n.e.c.	**10 533**	**8 005**	**1 692**	**11 360**	**6 077**	**2 747**	**7 738**	**3 668**	**2 811**	**3 879**	**2 145**	**2 251**
Less than 50 lb	669	32	7	646	33	14	297	18	13	149	6	6
50 to 99 lb	234	22	4	224	21	9	109	9	7	49	3	3
100 to 499 lb	707	112	22	744	105	48	435	58	42	154	22	22
500 to 749 lb	325	70	14	265	47	20	230	25	18	65	14	15
750 to 999 lb	186	48	9	168	37	15	209	29	21	55	16	16
1,000 to 9,999 lb	1 789	682	140	2 242	608	268	1 414	347	256	851	261	273
10,000 to 49,999 lb	5 815	5 572	1 138	5 615	4 306	1 875	4 606	2 691	2 022	1 783	1 038	1 056
50,000 to 99,999 lb	85	295	52	38	95	46	72	S	S	S	S	S
100,000 lb or more	723	S	S	1 419	826	452	364	384	346	759	762	836
SCTG 24, Plastics and rubber	**15 354**	**7 835**	**1 698**	**20 638**	**9 245**	**4 365**	**15 329**	**7 818**	**6 167**	**11 127**	**7 259**	**7 983**
Less than 50 lb	753	30	6	558	19	8	503	15	12	452	14	14
50 to 99 lb	229	27	5	200	14	6	196	13	10	158	7	8
100 to 499 lb	1 164	149	29	755	84	37	661	66	50	344	39	40
500 to 749 lb	435	82	16	391	53	24	232	30	23	180	24	25
750 to 999 lb	224	50	10	285	48	21	189	27	20	131	19	19
1,000 to 9,999 lb	4 644	1 717	349	4 655	1 476	654	2 805	840	623	1 566	456	466
10,000 to 49,999 lb	6 622	4 212	895	12 037	5 440	2 491	8 193	3 728	2 776	5 053	2 529	2 614
50,000 to 99,999 lb	85	83	18	86	47	22	101	73	52	47	48	50
100,000 lb or more	1 198	1 485	368	1 673	2 065	1 101	2 449	3 026	2 602	3 197	4 121	4 747
SCTG 25, Logs and other wood in the rough	**718**	**19 304**	**3 525**	**285**	**1 286**	**528**	**132**	**S**	**S**	**72**	**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	–	–	–	–	–	–
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	–	–	–
750 to 999 lb	S	S	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	11	18	3	S	7	3	S	3	2	S	18	21
10,000 to 49,999 lb	325	4 234	714	177	622	251	S	214	160	20	67	69
50,000 to 99,999 lb	251	6 845	1 068	34	214	92	6	37	30	S	S	S
100,000 lb or more	S	S	S	43	S	S	28	S	S	S	S	S
SCTG 26, Wood products	**13 255**	**41 315**	**9 571**	**7 907**	**19 085**	**8 229**	**4 393**	**8 612**	**6 722**	**2 317**	**4 656**	**5 102**
Less than 50 lb	107	9	2	88	6	3	75	5	4	50	3	3
50 to 99 lb	79	10	2	37	5	2	36	3	2	S	1	1
100 to 499 lb	367	76	14	146	25	11	68	9	7	42	4	5
500 to 749 lb	134	35	6	59	12	5	41	7	5	11	2	2
750 to 999 lb	130	43	8	69	14	6	30	5	4	7	2	2
1,000 to 9,999 lb	1 438	943	178	604	236	101	395	153	113	153	50	50
10,000 to 49,999 lb	8 158	22 119	4 639	5 598	13 361	5 584	2 445	4 311	3 104	984	1 395	1 405
50,000 to 99,999 lb	1 312	5 789	1 131	522	2 642	1 022	217	617	463	120	250	276
100,000 lb or more	S	12 291	3 591	783	2 783	1 496	1 086	3 502	3 021	935	2 950	3 358
SCTG 27, Pulp, newsprint, paper, and paperboard	**6 575**	**11 743**	**2 845**	**8 370**	**14 754**	**7 548**	**7 703**	**13 264**	**10 900**	**4 860**	**9 189**	**10 077**
Less than 50 lb	39	4	1	14	1	1	9	1	1	S	S	S
50 to 99 lb	37	6	1	14	2	1	7	1	1	2	–	–
100 to 499 lb	127	46	9	62	20	8	62	9	7	29	5	5
500 to 749 lb	74	31	6	29	6	2	9	3	3	11	4	5
750 to 999 lb	35	14	3	24	11	5	11	4	3	S	1	1
1,000 to 9,999 lb	473	329	66	315	169	74	487	173	128	129	66	68
10,000 to 49,999 lb	3 865	5 927	1 310	4 929	7 230	3 304	4 304	6 492	4 947	2 680	3 857	3 959
50,000 to 99,999 lb	110	S	S	195	499	270	144	379	320	75	198	239
100,000 lb or more	1 814	4 665	1 255	2 788	6 817	3 884	2 670	6 204	5 492	1 923	5 057	5 800
SCTG 28, Paper or paperboard articles	**6 382**	**5 391**	**1 090**	**5 560**	**3 897**	**1 713**	**3 395**	**2 194**	**1 651**	**1 956**	**1 321**	**1 349**
Less than 50 lb	172	13	2	106	7	3	88	5	4	52	3	3
50 to 99 lb	57	11	2	50	7	3	33	5	3	21	3	4
100 to 499 lb	237	67	12	135	25	11	96	13	10	46	8	8
500 to 749 lb	104	44	9	S	S	10	25	5	4	6	2	2
750 to 999 lb	76	25	5	45	11	5	18	4	3	8	2	2
1,000 to 9,999 lb	1 317	823	155	681	371	157	415	169	123	164	76	80
10,000 to 49,999 lb	4 339	4 266	876	4 281	3 009	1 303	2 530	1 724	1 278	1 581	1 080	1 096
50,000 to 99,999 lb	S	48	10	32	73	32	S	S	S	S	S	S
100,000 lb or more	S	93	19	126	367	188	178	262	221	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	**6 578**	**1 929**	**411**	**8 021**	**2 439**	**1 097**	**6 532**	**1 731**	**1 275**	**3 526**	**635**	**638**
Less than 50 lb	1 078	56	12	1 592	73	35	1 461	62	46	1 171	49	51
50 to 99 lb	305	25	5	513	27	13	378	22	16	234	11	11
100 to 499 lb	695	75	16	1 354	136	62	885	83	60	443	34	35
500 to 749 lb	232	41	8	295	35	16	356	30	21	84	8	9
750 to 999 lb	152	33	7	206	29	13	210	18	13	165	9	9
1,000 to 9,999 lb	2 746	678	142	1 815	500	215	1 424	357	269	928	158	160
10,000 to 49,999 lb	1 336	914	204	2 227	1 578	712	1 807	1 154	845	475	350	346
50,000 to 99,999 lb	S	S	S	S	S	S	S	5	4	S	S	S
100,000 lb or more	26	96	15	S	S	S	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**38 176**	**7 058**	**1 464**	**37 078**	**6 640**	**3 015**	**26 335**	**3 864**	**2 878**	**11 704**	**1 620**	**1 674**
Less than 50 lb	1 718	54	12	2 729	85	40	2 418	81	60	1 703	52	53
50 to 99 lb	496	27	6	793	40	19	818	46	34	410	22	24
100 to 499 lb	1 390	134	28	2 245	186	87	2 130	191	143	1 381	114	118
500 to 749 lb	802	77	17	1 168	115	53	694	101	75	493	47	49
750 to 999 lb	573	61	13	885	82	39	848	99	72	343	42	43
1,000 to 9,999 lb	14 066	1 221	247	12 355	1 515	696	8 816	1 183	876	3 693	440	448
10,000 to 49,999 lb	17 536	4 797	989	15 553	3 948	1 754	10 392	2 052	1 528	3 650	829	865
50,000 to 99,999 lb	S	S	S	S	436	203	165	84	68	S	S	S
100,000 lb or more	135	205	41	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**7 381**	**40 374**	**8 288**	**5 253**	**15 689**	**6 886**	**3 160**	**5 820**	**4 346**	**1 733**	**2 659**	**2 811**
Less than 50 lb	115	9	2	166	6	3	113	4	3	54	3	3
50 to 99 lb	61	11	2	50	5	2	29	3	2	37	3	3
100 to 499 lb	248	58	11	146	22	9	112	17	13	106	14	15
500 to 749 lb	79	28	6	51	9	4	48	12	9	30	7	7
750 to 999 lb	98	25	5	28	8	3	29	7	5	S	S	8
1,000 to 9,999 lb	1 519	804	155	710	358	156	564	215	159	161	83	86
10,000 to 49,999 lb	3 849	20 997	4 147	3 702	11 158	4 803	1 884	3 828	2 824	1 199	2 024	2 086
50,000 to 99,999 lb	1 011	12 546	2 395	243	1 882	754	S	602	431	57	185	205
100,000 lb or more	402	5 895	1 565	158	2 241	1 152	130	1 132	900	38	332	398
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13 899**	**18 238**	**4 007**	**15 989**	**17 528**	**8 547**	**8 803**	**9 324**	**7 137**	**4 888**	**4 460**	**5 108**
Less than 50 lb	196	8	2	163	5	2	S	4	3	82	3	3
50 to 99 lb	97	10	2	97	7	3	62	4	3	42	2	2
100 to 499 lb	517	101	20	329	48	20	213	22	16	196	17	18
500 to 749 lb	231	70	14	152	33	14	57	10	7	114	8	9
750 to 999 lb	173	63	13	178	27	12	60	14	10	28	5	5
1,000 to 9,999 lb	2 261	1 468	283	1 828	792	342	1 034	391	287	633	226	236
10,000 to 49,999 lb	8 722	11 314	2 362	10 327	10 953	4 869	5 588	5 404	3 980	2 712	2 141	2 206
50,000 to 99,999 lb	704	1 082	226	605	819	365	195	674	514	34	107	119
100,000 lb or more	998	4 123	1 085	2 309	4 845	2 919	1 426	2 802	2 318	1 047	1 951	2 510
SCTG 33, Articles of base metal	**11 275**	**6 575**	**1 355**	**12 914**	**7 150**	**3 144**	**8 177**	**5 259**	**3 986**	**4 492**	**1 899**	**2 138**
Less than 50 lb	926	35	7	1 047	28	13	846	23	17	506	13	14
50 to 99 lb	353	30	6	314	17	8	292	12	9	154	10	11
100 to 499 lb	1 168	159	32	1 165	122	54	830	70	52	585	48	50
500 to 749 lb	354	70	14	513	71	32	260	36	26	351	29	29
750 to 999 lb	350	66	13	382	69	30	236	32	24	125	18	19
1,000 to 9,999 lb	3 429	1 351	275	3 299	1 069	476	1 891	546	407	977	242	247
10,000 to 49,999 lb	4 062	3 845	791	5 007	4 637	2 023	3 003	2 904	2 113	1 538	1 002	1 049
50,000 to 99,999 lb	272	353	73	S	412	189	127	228	184	27	38	40
100,000 lb or more	361	665	143	473	726	320	692	1 408	1 153	230	499	680
SCTG 34, Machinery	**18 826**	**2 271**	**467**	**27 039**	**3 106**	**1 468**	**16 581**	**2 132**	**1 595**	**10 739**	**1 168**	**1 200**
Less than 50 lb	2 373	56	12	2 006	35	16	1 277	20	15	1 322	14	15
50 to 99 lb	823	39	8	665	25	11	492	14	11	325	11	11
100 to 499 lb	2 166	141	29	2 490	122	56	1 602	87	66	1 191	50	52
500 to 749 lb	686	47	10	844	61	28	927	48	37	310	24	24
750 to 999 lb	558	43	8	583	41	19	434	41	31	387	31	32
1,000 to 9,999 lb	3 589	500	106	6 584	658	303	4 862	520	387	3 315	325	336
10,000 to 49,999 lb	7 271	1 282	258	12 813	1 974	947	6 526	1 263	949	3 700	652	670
50,000 to 99,999 lb	342	99	20	498	118	53	320	105	74	166	33	33
100,000 lb or more	S	63	15	S	71	36	141	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**35 793**	**2 111**	**465**	**36 189**	**2 637**	**1 201**	**30 385**	**2 406**	**1 784**	**26 864**	**1 336**	**1 398**
Less than 50 lb	5 975	69	15	6 254	51	24	6 366	43	33	4 545	33	35
50 to 99 lb	2 005	42	9	1 625	33	16	2 069	31	24	1 347	17	18
100 to 499 lb	5 536	180	38	5 092	156	70	4 788	117	88	5 842	91	97
500 to 749 lb	1 200	S	S	1 259	68	29	1 709	47	35	1 066	39	41
750 to 999 lb	476	44	10	1 273	60	26	542	43	31	1 331	28	30
1,000 to 9,999 lb	9 543	615	143	S	602	276	7 804	606	451	6 088	272	284
10,000 to 49,999 lb	10 900	1 037	220	6 765	1 613	730	6 959	1 464	1 081	6 061	675	691
50,000 to 99,999 lb	42	9	2	97	20	10	64	17	12	S	S	S
100,000 lb or more	S	31	8	S	33	20	83	38	30	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)	**21 454**	**3 305**	**726**	**36 465**	**5 518**	**2 630**	**26 772**	**3 372**	**2 610**	**10 091**	**1 233**	**1 321**
Less than 50 lb	1 494	55	12	1 446	52	23	873	31	23	440	14	15
50 to 99 lb	605	35	7	532	30	13	260	15	11	69	3	4
100 to 499 lb	2 143	152	31	2 270	146	64	1 199	77	57	458	36	38
500 to 749 lb	408	38	7	907	50	22	489	31	23	148	14	14
750 to 999 lb	322	43	9	413	36	15	277	27	20	106	8	8
1,000 to 9,999 lb	7 414	937	196	15 404	1 744	807	8 495	962	771	4 159	412	448
10,000 to 49,999 lb	7 186	1 669	374	13 820	2 981	1 416	13 500	1 962	1 478	3 344	507	527
50,000 to 99,999 lb	S	120	26	910	298	161	S	S	S	843	183	203
100,000 lb or more	S	S	S	S	181	108	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**4 208**	**401**	**84**	**3 694**	**503**	**276**	**3 985**	**409**	**323**	**2 373**	**151**	**168**
Less than 50 lb	1 304	S	1	491	2	1	812	2	2	573	2	2
50 to 99 lb	43	1	–	158	1	–	S	1	1	295	1	1
100 to 499 lb	244	3	1	358	5	2	574	8	6	237	3	3
500 to 749 lb	S	1	–	120	3	1	63	2	1	139	2	2
750 to 999 lb	S	1	–	40	1	1	75	2	1	80	2	2
1,000 to 9,999 lb	1 723	102	20	1 290	85	38	898	55	42	561	30	31
10,000 to 49,999 lb	596	181	35	641	110	49	583	148	108	380	55	56
50,000 to 99,999 lb	S	S	S	358	191	130	S	7	5	–	–	–
100,000 lb or more	S	S	S	237	106	53	203	185	156	108	57	72
SCTG 38, Precision instruments and apparatus	**4 387**	**126**	**24**	**5 261**	**179**	**73**	**5 557**	**210**	**158**	**5 550**	**83**	**85**
Less than 50 lb	2 087	15	3	2 349	14	6	2 999	17	13	3 235	22	22
50 to 99 lb	293	6	1	472	4	2	372	5	4	S	S	S
100 to 499 lb	633	16	3	881	17	8	725	17	13	655	10	11
500 to 749 lb	196	5	1	180	8	3	267	5	4	92	3	3
750 to 999 lb	143	4	1	108	6	3	97	6	5	51	S	S
1,000 to 9,999 lb	795	35	7	713	42	19	517	35	27	S	23	24
10,000 to 49,999 lb	207	S	S	529	44	20	580	S	S	63	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**6 402**	**1 358**	**277**	**8 584**	**1 867**	**859**	**6 074**	**1 440**	**1 054**	**3 113**	**653**	**673**
Less than 50 lb	94	5	1	226	12	5	155	8	6	103	6	6
50 to 99 lb	96	10	2	148	15	7	147	15	11	84	9	9
100 to 499 lb	659	100	22	1 164	153	70	921	124	92	746	63	66
500 to 749 lb	303	50	11	466	74	33	287	47	34	184	23	24
750 to 999 lb	179	35	7	258	50	23	284	51	37	143	26	26
1,000 to 9,999 lb	2 012	494	104	4 587	843	372	2 601	629	464	1 095	269	279
10,000 to 49,999 lb	S	660	130	1 657	671	324	1 618	544	394	749	253	259
50,000 to 99,999 lb	S	S	S	S	S	S	S	16	13	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	**21 492**	**8 330**	**1 702**	**19 966**	**5 993**	**2 657**	**13 462**	**2 836**	**2 079**	**8 852**	**1 730**	**1 820**
Less than 50 lb	2 822	75	16	4 168	73	33	3 847	59	45	3 290	41	42
50 to 99 lb	581	41	8	558	32	14	569	24	18	373	17	18
100 to 499 lb	1 676	168	35	1 726	151	69	1 669	126	92	1 031	71	74
500 to 749 lb	495	65	14	790	74	32	504	50	38	368	33	34
750 to 999 lb	354	57	12	432	65	28	352	40	30	158	20	21
1,000 to 9,999 lb	4 481	1 031	212	4 601	897	388	2 870	508	374	1 598	272	283
10,000 to 49,999 lb	10 354	5 135	1 051	6 553	3 580	1 551	3 425	1 793	1 294	1 900	995	1 029
50,000 to 99,999 lb	445	1 397	272	343	519	227	92	96	78	58	92	95
100,000 lb or more	284	361	83	794	602	314	135	139	108	76	188	223
SCTG 41, Waste and scrap	**1 699**	**10 880**	**2 406**	**1 761**	**8 425**	**4 069**	**747**	**2 532**	**1 890**	**221**	**523**	**560**
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	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	16	16	3	11	8	4	3	S	S	S	S	S
10,000 to 49,999 lb	934	4 231	844	1 051	3 550	1 451	627	1 525	1 091	183	318	327
50,000 to 99,999 lb	86	878	210	29	192	95	S	S	S	S	S	S
100,000 lb or more	660	5 753	1 349	670	4 674	2 519	114	966	768	22	174	199
SCTG 43, Mixed freight	**34 921**	**13 537**	**2 611**	**9 223**	**2 599**	**1 049**	**1 907**	**626**	**456**	**657**	**206**	**211**
Less than 50 lb	399	24	S	204	S	S	94	S	S	S	2	2
50 to 99 lb	161	24	4	84	10	4	S	S	S	16	2	2
100 to 499 lb	738	185	36	333	81	31	69	9	6	58	9	10
500 to 749 lb	472	156	29	142	47	17	S	4	3	S	S	S
750 to 999 lb	493	169	32	93	37	15	16	5	3	7	S	2
1,000 to 9,999 lb	8 805	3 118	605	2 344	827	335	458	156	120	192	S	S
10,000 to 49,999 lb	23 527	9 560	1 848	5 994	1 571	632	1 114	435	311	287	89	86
50,000 to 99,999 lb	209	150	29	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	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	**3 398**	**2 325**	**479**	**1 877**	**S**	**S**	**946**	**626**	**512**	**473**	**271**	**288**
Less than 50 lb	174	2	–	76	1	1	69	2	1	33	1	1
50 to 99 lb	41	1	–	18	1	–	23	1	1	S	S	S
100 to 499 lb	151	13	3	115	9	4	30	6	4	28	2	2
500 to 749 lb	S	S	1	25	4	1	14	2	1	S	1	1
750 to 999 lb	11	4	1	80	4	3	11	2	1	S	S	S
1,000 to 9,999 lb	532	180	34	217	80	35	133	33	24	101	S	S
10,000 to 49,999 lb	2 196	1 228	253	893	376	168	567	420	S	217	121	125
50,000 to 99,999 lb	73	388	79	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

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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**162 475**	**85 265**	**137 318**	**61 079**	**18 731**	**41 241**	**43 367**	**9 275**	**25 647**
Less than 50 lb	30 444	320	453	7 202	107	220	8 270	111	305
50 to 99 lb	6 608	134	192	2 307	57	117	2 186	44	122
100 to 499 lb	18 670	654	932	7 607	273	560	4 549	210	559
500 to 749 lb	3 622	244	345	1 601	109	220	1 360	92	245
750 to 999 lb	3 220	231	331	1 055	104	219	832	67	178
1,000 to 9,999 lb	30 071	4 090	5 869	13 113	1 578	3 329	8 678	1 021	2 704
10,000 to 49,999 lb	46 336	25 115	36 247	23 723	9 054	19 123	13 533	4 526	12 265
50,000 to 99,999 lb	2 903	2 464	3 592	680	545	1 199	S	243	668
100,000 lb or more	20 601	52 013	89 357	3 792	6 903	16 253	2 950	2 961	8 599
SCTG 01, Live animals and live fish	**83**	**60**	**77**	**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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	49	33	42	S	S	S	–	–	–
50,000 to 99,999 lb	11	8	10	S	S	S	–	–	–
100,000 lb or more	23	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**1 070**	**1 428**	**1 988**	**563**	**648**	**1 327**	**205**	**122**	**340**
Less than 50 lb	68	13	18	11	S	S	6	S	S
50 to 99 lb	23	3	4	4	–	1	1	–	–
100 to 499 lb	90	15	20	14	2	5	9	2	6
500 to 749 lb	27	6	9	S	S	S	S	S	S
750 to 999 lb	17	5	6	–	–	–	S	1	4
1,000 to 9,999 lb	220	160	219	24	15	32	43	23	63
10,000 to 49,999 lb	555	1 065	1 496	247	429	853	56	75	208
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	210	168	370	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**372**	**427**	**646**	**125**	**80**	**175**	**S**	**29**	**85**
Less than 50 lb	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
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	21	3	4	5	2	5	S	S	S
10,000 to 49,999 lb	196	201	288	S	S	S	S	S	S
50,000 to 99,999 lb	34	S	S	3	23	46	S	S	S
100,000 lb or more	111	116	190	S	S	S	8	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**4 043**	**1 771**	**2 482**	**1 216**	**516**	**1 028**	**561**	**247**	**652**
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	S	3	3	S	1	2	S	S	S
500 to 749 lb	12	2	2	S	S	S	S	S	S
750 to 999 lb	31	5	7	4	1	2	S	S	S
1,000 to 9,999 lb	627	150	211	286	65	129	140	26	71
10,000 to 49,999 lb	3 205	1 537	2 161	860	407	804	273	165	428
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 06, Milled grain products and preparations, and bakery products	**905**	**998**	**1 443**	**515**	**411**	**873**	**131**	**82**	**224**
Less than 50 lb	2	–	–	–	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
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
1,000 to 9,999 lb	109	46	65	35	18	37	11	6	15
10,000 to 49,999 lb	624	608	866	446	298	599	116	75	206
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	140	328	491	28	93	234	–	–	–

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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**3 647**	**3 393**	**4 672**	**1 426**	**860**	**1 958**	**622**	**358**	**993**
Less than 50 lb	S	S	S	11	2	3	17	2	5
50 to 99 lb	3	S	S	S	S	S	S	–	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	14	3	5	S	S	S	S	S	S
750 to 999 lb	8	3	5	1	–	–	S	S	S
1,000 to 9,999 lb	274	107	153	103	36	74	79	45	123
10,000 to 49,999 lb	2 662	1 735	2 487	1 225	722	1 629	514	309	859
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	541	1 423	1 861	39	78	S	–	–	–
SCTG 08, Alcoholic beverages	**500**	**218**	**328**	**259**	**102**	**232**	**40**	**18**	**55**
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	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	12	2	5	S	S	S
10,000 to 49,999 lb	456	191	289	246	99	226	39	18	55
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**1 660**	**52**	**71**	**1 272**	**37**	**79**	**2 561**	**85**	**242**
Less than 50 lb	58	1	1	13	–	1	44	1	2
50 to 99 lb	S	S	S	S	S	S	S	–	–
100 to 499 lb	11	1	1	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	1	S	S	S	S	7	S	S
10,000 to 49,999 lb	1 549	48	66	1 185	35	73	2 466	73	209
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**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	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
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**22**	**236**	**373**	**2**	**S**	**S**	**4**	**9**	**23**
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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	2	S	S	4	8	22
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	11	156	260	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**334**	**2 627**	**3 869**	**37**	**244**	**513**	**62**	**418**	**1 246**
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	S	S	S	–	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	20	S	S	S	S	S	S	S
10,000 to 49,999 lb	77	311	421	22	74	160	14	53	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	188	2 254	3 356	12	S	350	46	352	1 076

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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**217**	**554**	**946**	**S**	**S**	**S**	**11**	**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	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	S	S
500 to 749 lb	–	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	79	114	15	10	21	2	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	**S**	**S**	**S**	**5**	**S**	**S**	**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	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	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**939**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	861	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**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	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**2 007**	**5 926**	**10 829**	**300**	**533**	**1 217**	**47**	**35**	**100**
Less than 50 lb	S	S	S	S	–	S	S	S	S
50 to 99 lb	S	S	S	–	S	S	–	–	–
100 to 499 lb	43	S	S	3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	3	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	54	S	S	12	11	23	4	2	S
10,000 to 49,999 lb	505	1 027	1 609	142	177	408	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 351	4 557	8 680	136	333	759	S	S	S
SCTG 20, Basic chemicals	**S**	**17 573**	**28 028**	**1 729**	**1 346**	**2 971**	**773**	**580**	**1 665**
Less than 50 lb	65	2	2	S	S	S	17	–	1
50 to 99 lb	S	S	S	S	S	S	5	–	–
100 to 499 lb	S	5	7	6	1	1	22	1	2
500 to 749 lb	7	S	S	S	S	S	S	1	3
750 to 999 lb	23	2	3	8	1	3	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	44	8	20
10,000 to 49,999 lb	S	S	S	608	403	832	291	161	436
50,000 to 99,999 lb	66	109	160	54	55	S	–	–	–
100,000 lb or more	7 909	13 232	21 506	814	842	1 911	380	409	1 202
SCTG 21, Pharmaceutical products	**4 306**	**315**	**457**	**1 302**	**70**	**143**	**1 708**	**S**	**S**
Less than 50 lb	2 300	16	23	405	3	7	744	5	13
50 to 99 lb	154	S	S	7	–	–	S	1	1
100 to 499 lb	540	S	S	S	4	9	137	4	12
500 to 749 lb	S	S	S	S	S	S	S	2	5
750 to 999 lb	62	4	5	S	S	S	5	–	1
1,000 to 9,999 lb	331	S	S	33	4	8	190	13	33
10,000 to 49,999 lb	633	195	282	142	54	110	537	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**543**	**2 762**	**4 543**	**36**	**185**	**391**	**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	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	1	2	3	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	9	25	54	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	506	2 627	4 362	24	158	333	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**3 932**	**2 433**	**3 774**	**1 583**	**1 034**	**2 091**	**1 154**	**485**	**1 364**
Less than 50 lb	213	9	12	34	1	3	S	2	S
50 to 99 lb	70	4	6	3	1	1	31	1	4
100 to 499 lb	148	17	24	40	5	11	61	5	15
500 to 749 lb	65	10	15	17	3	7	12	3	7
750 to 999 lb	38	9	14	15	5	10	9	3	7
1,000 to 9,999 lb	908	179	254	193	58	117	S	43	115
10,000 to 49,999 lb	1 473	1 042	1 576	1 244	896	1 796	601	353	1 004
50,000 to 99,999 lb	S	13	20	S	S	S	S	S	S
100,000 lb or more	996	1 149	1 854	S	S	S	73	S	S
SCTG 24, Plastics and rubber	**10 100**	**7 210**	**11 171**	**3 185**	**1 920**	**4 195**	**1 964**	**718**	**1 952**
Less than 50 lb	330	9	12	99	3	6	110	3	8
50 to 99 lb	192	7	10	39	3	5	34	2	7
100 to 499 lb	417	38	53	109	13	27	125	10	28
500 to 749 lb	178	21	30	55	7	15	57	7	19
750 to 999 lb	94	15	21	42	6	14	38	5	12
1,000 to 9,999 lb	1 433	369	521	461	106	217	307	67	177
10,000 to 49,999 lb	3 798	2 216	3 237	1 595	721	1 488	1 135	488	1 303
50,000 to 99,999 lb	S	S	S	35	18	37	53	13	39
100,000 lb or more	3 634	4 497	7 220	749	1 044	2 387	105	124	360
SCTG 25, Logs and other wood in the rough	**36**	**S**	**S**	**41**	**59**	**121**	**7**	**13**	**34**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	25	29	42	S	S	S	S	S	S
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 26, Wood products	**1 555**	**3 113**	**5 070**	**627**	**809**	**1 817**	**301**	**300**	**817**
Less than 50 lb	55	3	5	S	1	1	14	S	S
50 to 99 lb	4	–	1	2	–	–	S	S	S
100 to 499 lb	33	3	5	7	1	2	5	1	2
500 to 749 lb	19	3	4	9	2	3	S	S	S
750 to 999 lb	10	3	4	S	S	S	S	S	S
1,000 to 9,999 lb	196	65	93	67	20	41	46	11	28
10,000 to 49,999 lb	480	579	821	342	363	794	178	168	453
50,000 to 99,999 lb	93	327	535	15	31	70	19	51	140
100,000 lb or more	666	2 131	3 603	164	391	903	20	68	188
SCTG 27, Pulp, newsprint, paper, and paperboard	**2 699**	**4 321**	**6 677**	**1 204**	**1 740**	**3 909**	**331**	**403**	**1 123**
Less than 50 lb	2	–	–	1	–	–	4	–	1
50 to 99 lb	1	–	–	S	S	S	S	S	S
100 to 499 lb	23	7	10	10	2	5	S	S	S
500 to 749 lb	4	2	3	S	S	S	2	S	S
750 to 999 lb	3	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	54	S	17	10	21	22	8	21
10,000 to 49,999 lb	1 521	1 878	2 683	630	754	1 614	221	265	729
50,000 to 99,999 lb	26	82	128	S	S	S	S	S	S
100,000 lb or more	959	2 295	3 771	505	907	2 116	69	125	361
SCTG 28, Paper or paperboard articles	**1 152**	**627**	**912**	**392**	**205**	**451**	**312**	**211**	**582**
Less than 50 lb	56	3	4	36	2	3	10	1	2
50 to 99 lb	S	S	S	6	1	2	2	–	1
100 to 499 lb	36	7	10	13	1	3	8	1	3
500 to 749 lb	12	4	5	S	–	1	S	S	S
750 to 999 lb	7	2	3	S	S	S	1	–	1
1,000 to 9,999 lb	126	50	72	46	20	41	47	S	S
10,000 to 49,999 lb	870	495	714	272	140	299	234	154	433
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

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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**3 202**	**438**	**611**	**2 097**	**382**	**805**	**1 137**	**146**	**385**
Less than 50 lb	1 186	44	62	571	21	43	423	16	42
50 to 99 lb	176	8	12	107	6	14	35	2	6
100 to 499 lb	468	33	47	544	35	72	142	13	33
500 to 749 lb	77	8	12	90	9	18	57	S	S
750 to 999 lb	66	8	12	17	3	6	23	2	5
1,000 to 9,999 lb	556	95	133	458	56	117	163	32	85
10,000 to 49,999 lb	656	208	283	301	215	469	294	75	196
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**10 540**	**1 287**	**1 823**	**9 402**	**1 191**	**2 486**	**5 542**	**771**	**2 042**
Less than 50 lb	2 028	51	72	579	20	42	855	23	63
50 to 99 lb	506	25	35	173	10	21	193	10	27
100 to 499 lb	1 122	71	101	604	48	99	673	47	123
500 to 749 lb	293	29	41	326	28	55	184	21	54
750 to 999 lb	304	27	37	131	22	45	256	19	49
1,000 to 9,999 lb	2 821	333	467	2 467	263	545	1 783	202	522
10,000 to 49,999 lb	3 345	699	992	5 069	676	1 435	1 520	360	922
50,000 to 99,999 lb	44	16	22	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**1 518**	**2 893**	**4 134**	**422**	**465**	**1 040**	**468**	**345**	**978**
Less than 50 lb	100	4	5	25	1	2	63	2	5
50 to 99 lb	16	2	3	S	S	S	10	–	1
100 to 499 lb	67	8	12	20	2	4	51	2	6
500 to 749 lb	13	3	4	4	–	1	6	1	4
750 to 999 lb	S	2	3	S	S	S	S	1	2
1,000 to 9,999 lb	189	71	96	67	12	25	116	23	61
10,000 to 49,999 lb	1 031	1 974	2 735	268	272	594	182	147	397
50,000 to 99,999 lb	20	156	226	S	S	S	S	19	56
100,000 lb or more	71	673	1 050	25	171	403	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**3 061**	**2 421**	**3 697**	**1 675**	**1 501**	**3 620**	**1 080**	**605**	**1 647**
Less than 50 lb	45	2	2	33	1	2	27	–	1
50 to 99 lb	25	1	2	S	S	S	11	–	1
100 to 499 lb	110	13	18	51	6	12	27	1	3
500 to 749 lb	143	11	16	15	4	7	12	1	3
750 to 999 lb	46	5	7	S	S	S	S	S	S
1,000 to 9,999 lb	531	199	279	135	47	100	86	59	157
10,000 to 49,999 lb	1 265	970	1 351	755	440	970	277	160	463
50,000 to 99,999 lb	42	80	130	S	S	S	S	S	S
100,000 lb or more	854	1 141	1 892	514	897	2 288	624	380	1 014
SCTG 33, Articles of base metal	**3 802**	**1 392**	**2 006**	**1 797**	**737**	**1 624**	**909**	**378**	**1 029**
Less than 50 lb	465	12	17	157	4	8	184	4	10
50 to 99 lb	132	7	10	43	3	6	87	3	7
100 to 499 lb	464	39	55	252	18	37	179	11	31
500 to 749 lb	128	14	21	103	7	16	22	3	9
750 to 999 lb	109	17	23	S	S	S	36	4	12
1,000 to 9,999 lb	1 060	217	308	502	109	226	129	32	88
10,000 to 49,999 lb	1 311	854	1 229	447	333	661	223	200	531
50,000 to 99,999 lb	66	104	143	S	S	S	S	S	S
100,000 lb or more	67	127	200	111	232	S	S	S	S
SCTG 34, Machinery	**9 579**	**930**	**1 318**	**2 839**	**366**	**787**	**3 544**	**280**	**756**
Less than 50 lb	869	10	14	310	4	9	291	3	9
50 to 99 lb	263	6	9	59	2	3	137	3	8
100 to 499 lb	916	40	58	316	16	32	197	10	29
500 to 749 lb	281	23	32	49	4	9	S	6	15
750 to 999 lb	282	23	32	83	7	15	69	6	16
1,000 to 9,999 lb	3 252	234	328	868	97	205	776	62	170
10,000 to 49,999 lb	2 577	418	598	1 109	224	486	908	149	402
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	100
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**43 578**	**1 292**	**1 871**	**12 409**	**757**	**1 573**	**8 436**	**244**	**660**
Less than 50 lb	10 645	40	58	2 315	14	28	2 783	15	42
50 to 99 lb	3 715	23	35	1 057	S	S	1 133	7	19
100 to 499 lb	10 838	132	190	3 963	54	104	1 679	22	62
500 to 749 lb	1 324	34	49	319	10	20	279	8	20
750 to 999 lb	1 266	S	S	97	S	S	155	5	15
1,000 to 9,999 lb	9 540	396	569	2 609	147	299	1 780	82	211
10,000 to 49,999 lb	5 685	493	698	1 958	489	1 032	610	101	280
50,000 to 99,999 lb	S	S	S	46	10	21	S	S	S
100,000 lb or more	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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**6 724**	**860**	**1 289**	**4 609**	**544**	**1 223**	**3 241**	**385**	**1 015**
Less than 50 lb	349	11	16	164	4	9	101	3	9
50 to 99 lb	58	4	6	36	2	3	10	1	2
100 to 499 lb	342	24	33	97	9	19	64	4	12
500 to 749 lb	91	7	10	S	S	S	16	2	5
750 to 999 lb	41	4	5	13	3	6	32	3	8
1,000 to 9,999 lb	2 617	268	398	2 361	243	561	612	59	155
10,000 to 49,999 lb	2 199	401	574	1 704	253	560	1 426	240	618
50,000 to 99,999 lb	S	103	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**2 309**	**67**	**98**	**3 039**	**46**	**104**	**1 534**	**51**	**S**
Less than 50 lb	554	2	3	279	1	1	522	1	2
50 to 99 lb	81	–	1	S	S	1	35	–	1
100 to 499 lb	325	4	5	213	1	3	205	1	3
500 to 749 lb	166	1	1	86	1	1	S	1	2
750 to 999 lb	S	2	2	14	S	S	28	–	1
1,000 to 9,999 lb	565	21	29	920	12	27	419	12	31
10,000 to 49,999 lb	282	24	35	S	19	43	S	16	49
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**7 335**	**75**	**106**	**1 424**	**17**	**34**	**2 092**	**S**	**200**
Less than 50 lb	S	S	S	877	4	8	784	5	14
50 to 99 lb	278	1	2	149	1	3	134	1	4
100 to 499 lb	711	8	12	190	3	6	313	5	14
500 to 749 lb	S	2	3	27	1	1	34	1	4
750 to 999 lb	S	1	1	S	1	2	13	S	S
1,000 to 9,999 lb	580	18	25	104	3	7	S	S	S
10,000 to 49,999 lb	87	17	25	S	S	S	53	10	26
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**1 874**	**380**	**535**	**773**	**142**	**303**	**985**	**165**	**452**
Less than 50 lb	131	6	8	24	2	4	73	3	9
50 to 99 lb	S	6	8	27	3	5	42	4	10
100 to 499 lb	458	43	61	143	17	35	219	24	62
500 to 749 lb	97	14	19	75	9	19	82	10	26
750 to 999 lb	55	11	15	64	7	15	33	5	14
1,000 to 9,999 lb	627	134	192	329	60	131	301	58	165
10,000 to 49,999 lb	361	151	210	96	38	80	236	62	167
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**11 781**	**1 510**	**2 243**	**4 190**	**497**	**1 041**	**3 000**	**330**	**887**
Less than 50 lb	5 307	47	67	1 136	16	32	1 050	17	48
50 to 99 lb	653	18	25	208	7	15	225	6	16
100 to 499 lb	1 200	62	89	506	24	50	359	36	93
500 to 749 lb	261	23	32	S	10	20	180	12	33
750 to 999 lb	298	27	38	78	8	16	89	7	18
1,000 to 9,999 lb	2 217	281	404	687	102	217	533	73	192
10,000 to 49,999 lb	1 722	709	997	1 249	286	601	548	168	454
50,000 to 99,999 lb	76	94	124	S	S	S	S	9	27
100,000 lb or more	49	250	467	S	S	S	S	S	S
SCTG 41, Waste and scrap	**251**	**487**	**751**	**S**	**64**	**152**	**7**	**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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	185	252	382	S	S	S	S	14	35
50,000 to 99,999 lb	S	39	58	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**412**	**S**	**S**	**133**	**41**	**88**	**149**	**S**	**S**
Less than 50 lb	S	1	1	S	S	S	3	–	–
50 to 99 lb	S	1	1	S	S	S	S	S	S
100 to 499 lb	12	2	3	7	1	1	S	S	S
500 to 749 lb	S	S	S	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	95	34	45	107	37	80	142	S	S
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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**438**	**201**	**312**	**194**	**71**	**S**	**S**	**S**	**S**
Less than 50 lb	54	1	2	S	–	1	15	–	1
50 to 99 lb	S	–	–	S	–	–	S	S	S
100 to 499 lb	101	S	S	S	S	S	S	1	4
500 to 749 lb	5	1	1	S	S	S	3	S	1
750 to 999 lb	19	1	1	S	S	S	2	S	S
1,000 to 9,999 lb	110	16	21	26	4	7	9	1	3
10,000 to 49,999 lb	121	91	137	32	18	38	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	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.

[1]Based 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)	Manufacturers (minor exceptions)
	Mining (except mining services and oil and gas extraction)	Mining (except mining services)
	All wholesale	All wholesale
	Video tape distributers	
	Catalog mail-order houses	Catalog mail-order houses
	Auxiliaries (e.g., warehouses)	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 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.	Respondents reported key characteristics for each sampled shipment.
5. Reported mode of transportation	Rail	Rail
	For-hire truck	For-hire truck
	Private truck	Private truck
	Air	Air
	Inland water and/or Great Lakes	Shallow draft vessel
	Deep sea water	Deep draft vessel
	Pipeline	Pipeline
	Parcel, U.S. Postal Service, or courier	Parcel, U.S. Postal Service, or courier
	Other	Other
	Unknown	Unknown

Item	1993	1997
6. Data items requested on questionnaire	For **each** shipment:	For **each** shipment:
	Total value	Total value
	Total weight	Total weight
	Major commodity (STCC)	**Major** commodity (SCTG)
	All modes of transportation	**All** modes of transportation
	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).	Single origin (assumed to be the mailing address unless the respondent provided a different physical location address).
	Destination	Destination
	Containerized (Y/N)	Containerized (Y/N)
	Hazardous material (Y/N)	Hazardous material (UN/NA codes)
	Export (Y/N)	Export (Y/N)
	If export, mode of export, foreign country, and city of destination.	If export, mode of export, foreign country,and city of destination.

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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**	**2.8**
Single modes	**2.3**	**.4**	**2.8**	**.5**	**4.0**	**1.0**	**3.1**
Truck	2.1	.6	2.7	1.1	2.5	1.5	3.5
For-hire truck	2.8	.8	4.3	1.1	2.6	1.1	2.1
Private truck	3.2	.7	4.5	1.2	4.2	.5	6.1
Rail	9.4	.4	5.9	.7	6.0	1.2	3.7
Water	7.3	.1	8.3	.5	12.6	1.5	19.3
Shallow draft	6.9	.1	8.3	.4	10.8	.9	14.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	21.3	–	24.7	.3	28.4	1.1	20.3
Air (includes truck and air)	13.2	.3	15.5	–	18.2	–	2.5
Pipeline	10.4	.3	11.6	.8	S	S	S
Multiple modes	**4.0**	**.4**	**11.6**	**.1**	**24.6**	**1.0**	**2.0**
Parcel, U.S. Postal Service or courier	4.2	.4	4.7	–	2.8	–	2.0
Truck and rail	18.7	.1	14.4	–	11.6	.2	5.2
Truck and water	23.0	–	21.8	–	48.7	.7	S
Rail and water	24.8	–	24.7	–	21.4	.1	31.6
Other multiple modes	29.5	–	36.2	–	44.9	.5	S
Other and unknown modes	**5.4**	**.2**	**14.5**	**.4**	**11.4**	**.2**	**16.6**

– 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	**2.1**	**1.9**	**3.3**	**3.0**	**2.4**	**4.4**	**4.7**	**3.7**	**6.4**	**2.8**	**7.9**	**8.9**
Single modes	**2.3**	**2.3**	**3.6**	**2.8**	**2.5**	**4.4**	**4.0**	**3.5**	**6.0**	**3.1**	**3.8**	**5.2**
Truck	2.1	2.6	3.7	2.7	3.4	5.1	2.5	2.3	4.1	3.5	3.3	5.1
For-hire truck	2.8	2.8	4.4	4.3	7.6	10.0	2.6	1.9	4.0	2.1	5.3	6.3
Private truck	3.2	4.1	5.8	4.5	3.1	6.5	4.2	5.4	7.4	6.1	2.7	7.4
Rail	9.4	5.4	13.7	5.9	5.6	8.0	6.0	5.7	8.8	3.7	3.4	5.0
Water	7.3	7.8	13.5	8.3	10.5	15.4	12.6	11.2	16.7	19.3	S	S
Shallow draft	6.9	7.9	14.9	8.3	10.7	16.5	10.8	13.8	21.8	14.0	S	S
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	21.3	19.1	25.7	24.7	28.0	35.4	28.4	19.3	24.0	20.3	15.7	20.2
Air (includes truck and air)	13.2	7.2	22.5	15.5	24.3	40.3	18.2	12.3	35.5	2.5	2.2	3.2
Pipeline	10.4	11.7	20.4	11.6	8.3	21.2	S	S	S	S	S	S
Multiple modes	**4.0**	**3.3**	**7.0**	**11.6**	**9.4**	**9.6**	**24.6**	**21.5**	**22.7**	**2.0**	**6.8**	**7.4**
Parcel, U.S. Postal Service or courier	4.2	2.9	7.4	4.7	3.2	6.4	2.8	8.3	10.0	2.0	6.8	7.4
Truck and rail	18.7	18.8	26.5	14.4	13.9	23.8	11.6	10.8	23.1	5.2	7.1	8.5
Truck and water	23.0	27.9	18.9	21.8	14.9	12.5	48.7	16.7	54.4	S	12.1	S
Rail and water	24.8	36.2	7.3	24.7	20.8	12.8	21.4	29.7	9.5	31.6	11.4	21.1
Other multiple modes	29.5	49.3	55.9	36.2	S	S	44.9	S	S	S	31.3	S
Other and unknown modes	**5.4**	**9.9**	**14.4**	**14.5**	**10.6**	**14.5**	**11.4**	**13.7**	**12.2**	**16.6**	**17.5**	**10.8**

– 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–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**	**.5**	**.5**	**.6**	**1.0**	**1.5**
Truck	.6	.7	1.1	1.3	1.5	1.3
For-hire truck	.8	.8	1.1	1.5	1.1	.8
Private truck	.7	.9	1.2	1.2	.5	.7
Rail	.4	.3	.7	.8	1.2	1.2
Water	.1	.2	.5	.8	1.5	1.6
Shallow draft	.1	.1	.4	.6	.9	1.0
Great Lakes	–	–	–	–	–	–
Deep draft	–	.1	.3	.5	1.1	1.4
Air (includes truck and air)	.3	.1	–	–	–	–
Pipeline	.3	.3	.8	.6	S	S
Multiple modes	**.4**	**.4**	**.1**	**.2**	**1.0**	**1.5**
Parcel, U.S. Postal Service or courier	.4	.3	–	–	–	–
Truck and rail	.1	.2	–	–	.2	.1
Truck and water	–	–	–	.1	.7	.3
Rail and water	–	–	–	.2	.1	.8
Other multiple modes	–	–	–	S	.5	S
Other and unknown modes	**.2**	**.3**	**.4**	**.5**	**.2**	**.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–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	**4.7**	**–**	**2.8**
Truck	2.5	1.5	3.5
Rail	5.7	1.3	3.1
Shallow draft	11.2	1.1	9.1
Great Lakes	46.4	–	19.4
Deep draft	25.5	1.3	15.1
Air	17.8	–	2.6
Parcel, U.S. Postal Service or courier	2.8	–	2.0
Pipeline	S	S	S
Other and unknown modes	12.6	.2	16.6

– 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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**
Less than 50 miles	2.5	.6	3.4	.9	2.8	.2
50 to 99 miles	6.2	.4	6.1	.5	6.3	.2
100 to 249 miles	3.9	.4	4.6	.6	5.6	.9
250 to 499 miles	3.6	.5	6.6	.6	6.3	1.1
500 to 749 miles	2.0	.2	6.9	.2	7.8	.9
750 to 999 miles	2.7	.1	9.8	.2	9.2	1.0
1,000 to 1,499 miles	8.1	.5	12.6	.2	15.0	1.3
1,500 to 1,999 miles	6.6	.2	6.1	–	6.9	.3
2,000 miles or more	5.4	.1	6.0	–	6.0	.2
Single modes	**2.3**	**–**	**2.8**	**–**	**4.0**	**–**
Less than 50 miles	2.6	.6	3.3	1.0	3.0	.2
50 to 99 miles	6.8	.5	6.2	.5	6.5	.3
100 to 249 miles	4.2	.5	4.7	.6	5.7	.9
250 to 499 miles	4.1	.6	6.9	.7	6.0	1.0
500 to 749 miles	2.0	.2	6.8	.2	7.3	.9
750 to 999 miles	3.2	.2	9.6	.2	8.8	1.0
1,000 to 1,499 miles	9.6	.5	12.6	.2	13.0	1.1
1,500 to 1,999 miles	8.1	.2	6.5	–	7.2	.3
2,000 miles or more	7.3	.1	4.2	–	4.4	.1
Truck	**2.1**	**–**	**2.7**	**–**	**2.5**	**–**
Less than 50 miles	2.4	.6	3.5	1.2	3.3	.4
50 to 99 miles	7.3	.5	7.6	.8	7.2	.5
100 to 249 miles	4.9	.6	3.6	.4	3.7	.5
250 to 499 miles	4.1	.6	6.6	.4	5.4	.9
500 to 749 miles	2.6	.2	3.3	.1	3.5	.5
750 to 999 miles	4.0	.2	5.1	–	5.2	.4
1,000 to 1,499 miles	7.7	.3	10.1	.1	10.4	.8
1,500 to 1,999 miles	9.8	.2	5.7	–	5.5	.3
2,000 miles or more	8.0	.1	4.5	–	4.6	.2
For-hire truck	**2.8**	**–**	**4.3**	**–**	**2.6**	**–**
Less than 50 miles	6.7	.8	6.1	1.8	5.5	.3
50 to 99 miles	11.0	.6	13.9	1.4	13.0	.7
100 to 249 miles	4.0	.5	5.5	.5	5.6	.5
250 to 499 miles	4.2	.7	3.5	.4	3.1	.4
500 to 749 miles	3.0	.4	2.6	.2	2.7	.6
750 to 999 miles	4.2	.3	4.0	.2	3.9	.4
1,000 to 1,499 miles	8.1	.5	11.8	.3	12.1	1.1
1,500 to 1,999 miles	10.3	.4	5.5	–	5.3	.4
2,000 miles or more	9.2	.2	4.1	–	4.2	.2
Private truck	**3.2**	**–**	**4.5**	**–**	**4.2**	**–**
Less than 50 miles	2.0	1.3	5.5	1.2	5.4	1.1
50 to 99 miles	6.5	.5	7.1	.7	7.1	.7
100 to 249 miles	10.4	1.2	5.0	.4	4.7	1.0
250 to 499 miles	7.8	.6	21.2	.7	17.5	2.0
500 to 749 miles	6.0	.2	14.1	.1	15.1	1.1
750 to 999 miles	5.7	–	15.4	–	16.4	.9
1,000 to 1,499 miles	13.5	.2	19.0	–	20.4	.9
1,500 to 1,999 miles	15.6	–	18.2	–	17.5	.4
2,000 miles or more	24.7	–	20.0	–	19.2	.3
Rail	**9.4**	**–**	**5.9**	**–**	**6.0**	**–**
Less than 50 miles	11.1	.9	9.4	1.9	9.9	.2
50 to 99 miles	9.3	.4	13.7	.8	14.7	.3
100 to 249 miles	9.2	1.0	9.9	1.9	10.3	1.3
250 to 499 miles	17.6	1.2	11.0	2.1	10.1	2.0
500 to 749 miles	11.8	1.4	8.1	.6	8.4	1.0
750 to 999 miles	6.8	.7	7.0	.5	6.9	1.0
1,000 to 1,499 miles	27.3	1.5	16.5	.5	16.2	1.4
1,500 to 1,999 miles	9.0	.4	10.2	.1	10.6	.7
2,000 miles or more	20.4	.5	14.1	–	13.8	.3
Water	**7.3**	**–**	**8.3**	**–**	**12.6**	**–**
Less than 50 miles	12.2	3.7	12.9	3.5	15.2	.8
50 to 99 miles	21.1	1.5	16.4	1.7	29.9	.8
100 to 249 miles	14.6	2.7	17.4	3.0	18.8	2.9
250 to 499 miles	14.7	1.9	14.5	1.7	13.4	2.7
500 to 749 miles	18.5	2.1	24.7	2.3	24.0	4.6
750 to 999 miles	23.6	1.6	28.4	1.8	25.3	3.8
1,000 to 1,499 miles	48.6	1.0	33.9	.7	32.2	2.8
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	**6.9**	**–**	**8.3**	**–**	**10.8**	**–**
Less than 50 miles	15.6	4.2	16.3	3.8	17.6	.8
50 to 99 miles	22.2	1.8	17.3	2.6	31.2	1.8
100 to 249 miles	14.3	3.0	17.3	3.3	18.5	2.9
250 to 499 miles	16.0	2.1	15.7	1.8	14.4	3.6
500 to 749 miles	24.1	2.3	25.6	2.5	27.0	5.8
750 to 999 miles	25.7	1.8	26.6	1.4	25.2	3.9
1,000 to 1,499 miles	S	S	41.0	.2	42.1	1.0
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	–	–	–	–	–	–
Less than 50 miles	–	–	–	–	–	–
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	–	–	–	–	–	–
Deep draft	**21.3**	**–**	**24.7**	**–**	**28.4**	**–**
Less than 50 miles	32.9	6.6	33.8	7.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	40.2	5.1	41.2	5.7	38.4	6.5
750 to 999 miles	35.7	6.9	43.0	6.9	41.0	8.8
1,000 to 1,499 miles	47.4	2.8	40.0	4.2	37.9	8.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	**13.2**	**–**	**15.5**	**–**	**18.2**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	24.1	.7	15.1	.7	15.5	.1
100 to 249 miles	23.8	2.7	20.1	1.6	32.3	1.1
250 to 499 miles	14.1	1.4	25.2	2.9	13.4	1.6
500 to 749 miles	18.4	1.6	27.6	3.3	28.0	3.2
750 to 999 miles	19.7	.9	11.7	1.5	12.0	1.6
1,000 to 1,499 miles	20.2	3.0	S	S	48.9	4.7
1,500 to 1,999 miles	18.5	.8	32.8	1.4	30.2	1.6
2,000 miles or more	12.2	.9	14.4	.9	17.2	2.4
Pipeline	**10.4**	**–**	**11.6**	**–**	**S**	**S**
Less than 50 miles	13.8	4.4	13.7	4.4	S	S
50 to 99 miles	26.1	1.1	27.5	.6	S	S
100 to 249 miles	18.0	3.1	20.5	2.1	S	S
250 to 499 miles	42.1	2.6	44.0	3.0	S	S
500 to 749 miles	41.7	1.3	40.0	1.4	S	S
750 to 999 miles	45.5	.6	45.8	1.2	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
Multiple modes	**4.0**	**–**	**11.6**	**–**	**24.6**	**–**
Less than 50 miles	6.0	.8	21.4	3.0	26.6	.4
50 to 99 miles	6.2	.3	17.8	.7	33.7	.2
100 to 249 miles	4.9	.3	18.2	3.6	20.0	2.4
250 to 499 miles	3.3	.6	28.7	3.1	S	S
500 to 749 miles	6.6	.7	29.5	3.3	31.1	3.8
750 to 999 miles	7.4	.4	26.8	1.8	27.4	2.3
1,000 to 1,499 miles	12.5	1.2	34.1	1.6	S	S
1,500 to 1,999 miles	6.1	.3	11.2	.5	11.8	1.7
2,000 miles or more	5.0	.3	17.8	.4	17.7	1.5
Parcel, U.S. Postal Service or courier	**4.2**	**–**	**4.7**	**–**	**2.8**	**–**
Less than 50 miles	6.1	.9	17.1	2.0	13.6	–
50 to 99 miles	6.5	.4	12.3	.5	12.7	.1
100 to 249 miles	5.0	.3	8.2	.8	8.6	.5
250 to 499 miles	2.6	.5	5.2	.6	4.6	.5
500 to 749 miles	5.1	.5	3.2	.5	3.3	.4
750 to 999 miles	7.8	.4	4.7	.5	4.8	.5
1,000 to 1,499 miles	13.7	1.2	4.5	.5	4.4	.8
1,500 to 1,999 miles	6.2	.2	7.6	.3	7.8	.8
2,000 miles or more	6.1	.3	9.3	.4	8.7	1.0
Truck and rail	**18.7**	**–**	**14.4**	**–**	**11.6**	**–**
Less than 50 miles	31.1	.5	44.3	4.6	S	S
50 to 99 miles	31.1	.5	46.2	1.1	S	S
100 to 249 miles	22.6	.5	22.5	3.3	23.5	1.2
250 to 499 miles	22.8	3.6	17.0	2.4	15.5	1.2
500 to 749 miles	31.3	3.0	17.3	2.4	16.8	1.8
750 to 999 miles	30.2	1.2	18.2	1.2	17.8	1.3
1,000 to 1,499 miles	15.0	2.2	19.8	2.5	17.6	2.7
1,500 to 1,999 miles	18.5	2.4	13.6	1.4	13.9	2.2
2,000 miles or more	10.6	1.8	23.5	.8	24.0	1.8
Truck and water	**23.0**	**–**	**21.8**	**–**	**48.7**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	45.4	2.9	37.0	.7
100 to 249 miles	24.6	7.3	33.1	8.2	31.1	8.2
250 to 499 miles	34.1	5.8	30.5	5.2	30.0	6.0
500 to 749 miles	30.9	4.1	41.9	4.9	37.5	4.4
750 to 999 miles	S	S	47.4	3.9	46.0	4.7
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	27.6	3.0	26.4	.4	26.6	3.4

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	**24.8**	**–**	**24.7**	**–**	**21.4**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	35.9	8.8	33.9	8.5	36.3	8.7
250 to 499 miles	S	S	S	S	43.6	5.5
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	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**29.5**	**–**	**36.2**	**–**	**44.9**	**–**
Less than 50 miles	27.2	9.6	31.2	11.3	38.1	10.4
50 to 99 miles	39.2	2.4	S	S	S	S
100 to 249 miles	S	S	48.4	1.4	49.4	.2
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	S	S	S	S
Other and unknown modes	**5.4**	**–**	**14.5**	**–**	**11.4**	**–**
Less than 50 miles	9.9	2.8	18.2	2.9	25.5	2.1
50 to 99 miles	7.1	.5	15.5	.6	17.0	.7
100 to 249 miles	9.5	1.2	16.0	1.6	15.8	2.3
250 to 499 miles	8.5	.7	17.4	1.3	16.6	2.6
500 to 749 miles	10.5	.8	20.1	.5	19.8	2.3
750 to 999 miles	8.0	.4	33.3	.6	34.3	2.8
1,000 to 1,499 miles	20.5	1.0	14.2	.2	13.9	1.3
1,500 to 1,999 miles	25.6	.4	15.1	–	14.7	.9
2,000 miles or more	20.4	.5	45.4	.3	43.6	3.4

– 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–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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**	**2.8**
Less than 50 lb	4.4	.4	2.3	–	2.7	–	3.2
50 to 99 lb	4.6	.1	3.9	–	3.6	–	4.0
100 to 499 lb	4.4	.4	3.0	–	2.6	–	4.5
500 to 749 lb	3.2	.1	3.4	–	2.8	–	3.9
750 to 999 lb	4.0	–	3.0	–	3.6	–	3.3
1,000 to 9,999 lb	5.1	.8	1.6	.1	2.9	.2	2.9
10,000 to 49,999 lb	2.8	.8	3.0	1.3	2.7	1.2	2.4
50,000 to 99,999 lb	6.5	.2	7.2	.9	6.4	.4	4.6
100,000 lb or more	4.4	.4	5.4	1.3	7.3	1.6	4.6
Single modes	**2.3**	**–**	**2.8**	**–**	**4.0**	**–**	**3.1**
Less than 50 lb	8.5	.3	3.8	–	4.7	–	5.0
50 to 99 lb	8.0	.1	5.1	–	5.9	–	6.7
100 to 499 lb	5.0	.4	3.1	–	3.4	–	4.8
500 to 749 lb	3.2	–	3.5	–	3.0	–	3.8
750 to 999 lb	3.9	–	2.9	–	3.3	–	3.0
1,000 to 9,999 lb	5.1	.9	1.5	.1	2.4	.1	2.6
10,000 to 49,999 lb	2.9	.9	3.1	1.3	2.8	1.2	2.4
50,000 to 99,999 lb	6.6	.3	7.4	1.0	6.8	.4	4.4
100,000 lb or more	4.6	.4	5.0	1.2	6.1	1.4	4.7
Truck	**2.1**	**–**	**2.7**	**–**	**2.5**	**–**	**3.5**
Less than 50 lb	3.4	–	3.9	–	5.9	–	7.5
50 to 99 lb	7.5	.1	5.2	–	6.6	–	7.1
100 to 499 lb	5.4	.4	3.1	–	3.5	–	4.9
500 to 749 lb	3.2	.1	3.5	–	2.9	–	3.7
750 to 999 lb	3.6	–	2.9	–	3.3	–	2.9
1,000 to 9,999 lb	5.1	1.0	1.5	.2	2.3	.2	2.5
10,000 to 49,999 lb	2.9	1.1	3.1	1.5	2.6	.9	2.3
50,000 to 99,999 lb	7.0	.3	7.4	1.4	7.4	1.0	4.6
100,000 lb or more	8.7	.1	13.9	1.2	10.9	.6	15.2
For-hire truck	**2.8**	**–**	**4.3**	**–**	**2.6**	**–**	**2.1**
Less than 50 lb	6.9	.1	6.8	–	7.4	–	4.6
50 to 99 lb	13.6	.1	6.9	–	9.0	–	5.1
100 to 499 lb	10.1	.6	3.7	–	4.8	–	3.3
500 to 749 lb	5.4	.1	4.8	–	3.7	–	1.8
750 to 999 lb	5.8	.1	4.5	–	4.0	–	2.4
1,000 to 9,999 lb	6.6	1.2	3.1	.2	3.3	.3	.9
10,000 to 49,999 lb	2.8	1.3	4.5	1.1	2.5	.7	3.4
50,000 to 99,999 lb	6.1	.2	7.8	1.6	7.1	.7	3.2
100,000 lb or more	10.6	.2	12.9	1.2	15.0	.7	18.7
Private truck	**3.2**	**–**	**4.5**	**–**	**4.2**	**–**	**6.1**
Less than 50 lb	3.2	.2	4.3	–	5.9	–	11.5
50 to 99 lb	7.0	.2	6.1	–	9.0	–	10.6
100 to 499 lb	3.7	.5	3.8	–	4.1	–	4.9
500 to 749 lb	3.0	.1	4.4	–	4.9	–	4.4
750 to 999 lb	5.2	.1	3.7	–	7.2	–	5.3
1,000 to 9,999 lb	6.3	1.4	2.4	.4	4.4	.4	4.0
10,000 to 49,999 lb	7.5	1.8	4.4	2.1	4.6	2.0	4.8
50,000 to 99,999 lb	9.0	.6	10.6	1.7	13.8	2.1	8.3
100,000 lb or more	13.7	.2	21.5	1.4	15.7	.8	27.8
Rail	**9.4**	**–**	**5.9**	**–**	**6.0**	**–**	**3.7**
Less than 50 lb	36.9	–	S	S	39.0	–	38.0
50 to 99 lb	S	S	S	S	42.2	–	S
100 to 499 lb	27.3	–	29.7	–	32.3	–	17.7
500 to 749 lb	S	S	49.9	–	S	S	17.7
750 to 999 lb	31.1	–	37.5	–	35.9	–	17.0
1,000 to 9,999 lb	40.9	1.0	39.5	–	44.8	–	10.5
10,000 to 49,999 lb	27.4	1.7	15.2	.1	21.7	.3	6.4
50,000 to 99,999 lb	27.9	1.4	8.1	.1	7.6	.1	8.1
100,000 lb or more	8.0	2.3	5.9	.2	5.9	.4	3.1
Water	**7.3**	**–**	**8.3**	**–**	**12.6**	**–**	**19.3**
Less than 50 lb	S	S	33.6	–	41.4	–	35.8
50 to 99 lb	S	S	S	S	S	S	22.5
100 to 499 lb	S	S	37.6	–	32.4	–	32.9
500 to 749 lb	S	S	39.6	–	39.1	–	S
750 to 999 lb	47.7	–	40.7	–	S	S	27.0
1,000 to 9,999 lb	37.8	–	43.2	–	S	S	36.5
10,000 to 49,999 lb	34.8	.3	S	S	34.4	.1	45.7
50,000 to 99,999 lb	S	S	45.4	–	S	S	22.5
100,000 lb or more	7.2	.4	8.3	.2	12.6	.2	7.2
Shallow draft	**6.9**	**–**	**8.3**	**–**	**10.8**	**–**	**14.0**
Less than 50 lb	35.2	–	40.7	–	S	S	22.0
50 to 99 lb	39.3	–	42.5	–	44.0	–	19.7
100 to 499 lb	S	S	46.2	–	41.2	–	31.6
500 to 749 lb	S	S	34.2	–	47.8	–	22.8
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	41.5	–	S	S	S	S	41.3
10,000 to 49,999 lb	28.9	.2	S	S	38.7	.1	S
50,000 to 99,999 lb	S	S	47.1	–	S	S	22.6
100,000 lb or more	6.9	.3	8.3	.2	10.9	.2	6.8

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	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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	–	–	–	–	–	–	–
Deep draft	**21.3**	**–**	**24.7**	**–**	**28.4**	**–**	**20.3**
Less than 50 lb	S	S	S	S	S	S	45.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	26.1
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	24.7
1,000 to 9,999 lb	S	S	S	S	S	S	35.9
10,000 to 49,999 lb	S	S	40.7	.7	S	S	28.3
50,000 to 99,999 lb	S	S	S	S	S	S	23.2
100,000 lb or more	22.1	3.8	24.7	1.3	28.4	2.9	18.2
Air (includes truck and air)	**13.2**	**–**	**15.5**	**–**	**18.2**	**–**	**2.5**
Less than 50 lb	29.9	3.9	7.7	1.1	7.4	1.1	2.9
50 to 99 lb	16.7	1.8	7.8	.5	8.3	.6	2.8
100 to 499 lb	7.6	2.0	7.6	2.4	7.3	2.5	3.3
500 to 749 lb	13.5	.8	21.3	1.0	26.4	1.1	3.7
750 to 999 lb	24.0	.4	22.2	.8	26.4	.6	7.8
1,000 to 9,999 lb	29.5	4.2	10.9	3.3	12.6	3.5	4.3
10,000 to 49,999 lb	S	S	28.8	3.8	29.2	3.9	7.0
50,000 to 99,999 lb	S	S	S	S	S	S	28.7
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	**10.4**	**–**	**11.6**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	44.3	–	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	46.9	–	S	S	S
10,000 to 49,999 lb	36.8	.2	S	S	S	S	S
50,000 to 99,999 lb	45.3	–	32.4	–	S	S	S
100,000 lb or more	10.5	.3	11.6	–	S	S	S
Multiple modes	**4.0**	**–**	**11.6**	**–**	**24.6**	**–**	**2.0**
Less than 50 lb	5.6	1.2	2.9	.6	3.2	.7	1.9
50 to 99 lb	3.6	.6	5.1	.2	3.6	.3	3.1
100 to 499 lb	9.8	1.3	8.2	.5	6.1	.6	5.2
500 to 749 lb	17.9	.4	13.5	–	8.6	–	11.1
750 to 999 lb	16.2	.2	18.4	.1	22.2	.2	8.3
1,000 to 9,999 lb	34.9	1.4	41.0	.9	41.6	1.1	11.9
10,000 to 49,999 lb	9.7	.4	6.7	1.2	7.8	3.1	4.0
50,000 to 99,999 lb	18.5	–	35.9	4.7	40.3	4.3	22.2
100,000 lb or more	17.4	.4	18.1	4.7	36.5	6.4	6.6
Parcel, U.S. Postal Service or courier	**4.2**	**–**	**4.7**	**–**	**2.8**	**–**	**2.0**
Less than 50 lb	5.6	1.3	2.9	1.3	3.2	1.1	1.9
50 to 99 lb	3.6	.6	5.1	.5	3.6	.5	3.1
100 to 499 lb	9.8	1.2	8.2	1.3	6.2	1.3	5.2
500 to 749 lb	18.0	.4	13.7	.4	8.3	.3	11.3
750 to 999 lb	16.4	.2	18.4	.5	22.6	.6	8.7
1,000 to 9,999 lb	41.5	.1	30.4	.2	S	S	26.0
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**18.7**	**–**	**14.4**	**–**	**11.6**	**–**	**5.2**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	26.8
100 to 499 lb	36.4	–	S	S	34.3	–	S
500 to 749 lb	S	S	47.5	–	S	S	20.5
750 to 999 lb	S	S	43.8	–	43.3	–	23.3
1,000 to 9,999 lb	36.5	8.2	42.9	2.4	43.6	2.8	10.0
10,000 to 49,999 lb	10.3	7.4	7.2	5.2	8.1	4.2	4.1
50,000 to 99,999 lb	27.9	.6	30.6	2.2	26.3	1.2	30.1
100,000 lb or more	17.8	1.9	22.9	4.9	30.5	3.4	12.3
Truck and water	**23.0**	**–**	**21.8**	**–**	**48.7**	**–**	**S**
Less than 50 lb	S	S	46.4	–	S	S	19.7
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	47.8	–	S	S	14.9
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	S	S	S	S	S	S	22.5
1,000 to 9,999 lb	40.0	1.0	47.0	–	38.0	.8	17.7
10,000 to 49,999 lb	31.0	4.7	32.2	3.5	25.3	3.7	S
50,000 to 99,999 lb	45.4	4.8	48.3	10.6	48.7	8.4	15.2
100,000 lb or more	32.1	8.0	27.2	10.4	S	S	20.3

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	**24.8**	**–**	**24.7**	**–**	**21.4**	**–**	**31.6**
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	S	S	S	S	S	S	21.8
10,000 to 49,999 lb	S	S	S	S	S	S	22.7
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	24.8	.1	24.7	–	21.4	–	31.6
Other multiple modes	**29.5**	**–**	**36.2**	**–**	**44.9**	**–**	**S**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	22.9
1,000 to 9,999 lb	43.5	.4	S	S	45.1	.3	S
10,000 to 49,999 lb	S	S	38.4	6.3	S	S	43.9
50,000 to 99,999 lb	39.8	8.2	38.9	8.3	39.2	6.4	22.9
100,000 lb or more	46.0	9.8	40.7	10.8	45.1	9.4	17.3
Other and unknown modes	**5.4**	**–**	**14.5**	**–**	**11.4**	**–**	**16.6**
Less than 50 lb	6.5	.9	16.4	–	16.4	–	23.0
50 to 99 lb	9.0	.3	7.4	–	12.1	–	17.3
100 to 499 lb	7.2	.4	17.3	.3	5.4	–	11.6
500 to 749 lb	5.8	.2	18.2	–	15.3	–	23.4
750 to 999 lb	14.5	.2	28.8	–	18.6	–	34.3
1,000 to 9,999 lb	14.8	3.5	8.1	.9	9.9	.9	9.9
10,000 to 49,999 lb	6.0	1.7	6.8	2.1	7.7	3.4	12.4
50,000 to 99,999 lb	11.4	.2	15.5	.8	21.3	1.3	26.4
100,000 lb or more	23.3	2.7	18.9	3.2	19.9	4.3	17.1

– 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.

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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**	**2.8**
01	Live animals and live fish	19.2	–	30.9	–	25.0	–	10.6
02	Cereal grains	24.0	.1	21.1	.4	21.2	.3	14.3
03	Other agricultural products	7.4	–	13.1	.2	13.9	.2	25.7
04	Animal feed and products of animal origin, n.e.c.	11.3	–	6.5	.1	9.3	.1	33.4
05	Meat, fish, seafood, and their preparations	4.4	.1	5.4	–	7.3	.1	17.6
06	Milled grain products and preparations, and bakery products	11.4	.1	6.8	–	7.3	–	22.3
07	Other prepared foodstuffs and fats and oils	6.9	.2	5.7	.2	6.7	.3	19.2
08	Alcoholic beverages	4.2	–	5.8	–	14.7	–	3.4
09	Tobacco products	17.7	.3	29.8	–	23.8	–	18.6
10	Monumental or building stone	20.1	–	23.9	–	18.9	–	28.3
11	Natural sands	11.3	–	15.4	.6	16.3	.2	19.4
12	Gravel and crushed stone	8.6	–	8.2	.9	9.0	.3	8.9
13	Nonmetallic minerals n.e.c.	12.4	–	19.4	.5	20.2	.6	15.3
14	Metallic ores and concentrates	21.7	–	30.2	–	34.4	.1	11.7
15	Coal	8.0	–	8.0	.8	10.7	1.1	28.4
17	Gasoline and aviation turbine fuel	4.7	.2	10.7	.9	26.0	1.9	7.2
18	Fuel oils	9.3	.2	10.4	.5	18.4	.5	7.6
19	Coal and petroleum products, n.e.c.	7.8	.1	8.5	.4	8.7	.3	18.1
20	Basic chemicals	17.8	.7	10.5	.4	17.6	1.2	13.7
21	Pharmaceutical products	9.2	.3	19.3	–	33.4	.1	8.9
22	Fertilizers	7.3	–	11.8	.3	9.8	.3	6.7
23	Chemical products and preparations, n.e.c.	5.5	.1	7.0	–	12.1	.3	13.3
24	Plastics and rubber	3.7	.2	4.6	–	6.5	.2	4.6
25	Logs and other wood in the rough	9.5	–	14.6	.7	18.5	.3	15.5
26	Wood products	7.0	.1	13.1	.5	17.0	.7	8.9
27	Pulp, newsprint, paper, and paperboard	5.7	.1	4.2	–	5.3	.3	7.7
28	Paper or paperboard articles	5.1	–	4.8	–	7.3	–	8.4
29	Printed products	4.8	.1	8.8	–	6.5	–	11.7
30	Textiles, leather, and articles of textiles or leather	10.2	.8	5.8	–	7.5	.2	2.4
31	Nonmetallic mineral products	3.8	–	4.8	.5	4.7	.3	9.0
32	Base metal in primary or semifinished forms and in finished basic shapes	3.8	.1	9.5	.2	7.6	.3	4.8
33	Articles of base metal	3.0	.1	7.9	–	10.5	.2	6.1
34	Machinery	4.8	.3	3.8	–	4.3	–	4.5
35	Electronic and other electrical equipment and components and office equipment	9.6	1.0	8.0	–	8.1	.1	5.0
36	Motorized and other vehicles (including parts)	7.7	.4	7.3	–	8.6	.1	7.6
37	Transportation equipment, n.e.c.	11.8	.1	13.5	–	12.6	–	6.1
38	Precision instruments and apparatus	19.1	.3	16.6	–	19.7	–	7.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	.2	8.0	–	6.3	–	4.3
40	Miscellaneous manufactured products	7.6	.4	7.5	–	7.4	.1	5.4
41	Waste and scrap	5.7	–	6.2	–	7.9	.1	8.6
43	Mixed freight	13.7	.6	15.2	.2	10.8	–	9.9
--	Commodity unknown	14.0	–	S	S	S	S	13.2

– 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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**	**2.8**
010	Live animals and live fish	19.2	–	30.9	–	25.0	–	10.6
021	Wheat	12.4	–	11.8	–	18.7	.1	7.4
022	Corn, except sweet	22.9	–	22.4	.2	24.1	.2	32.1
029	Other cereal grains	46.9	–	44.9	.2	48.8	.3	22.2
031	Fresh or chilled potatoes (Irish potatoes), except sweet	21.1	–	41.5	–	32.4	–	22.7
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	15.9	–	19.3	–	26.1	–	28.5
033	Fresh, chilled, or dried edible fruit and nuts	18.3	–	23.9	–	35.8	–	17.7
034	Soya beans	20.0	–	20.3	.1	25.4	.2	12.3
035	Oil seeds and nuts, except olives and soya beans	15.4	–	41.3	–	43.9	.1	16.2
036	Bulbs, live plants, and seeds for sowing, n.e.c.	16.3	–	16.9	–	24.7	–	23.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	13.4	–	16.7	–	29.0	–	S
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.	14.7	–	13.1	–	16.8	.1	S
042	Animal feed preparations	14.4	–	8.8	.1	11.6	–	20.6
051	Meat including poultry, except preparations	4.6	.1	5.2	–	7.6	.1	12.6
052	Fish, except live, and seafood, except preparations	16.5	–	16.1	–	16.7	–	27.0
053	Preparations, extracts, and juices of meat, fish, or seafood	35.6	–	S	S	S	S	13.5
061	Wheat flour, groats, and meal	17.6	–	20.7	–	25.5	–	17.4
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	14.0	–	14.0	–	15.6	–	28.2
063	Food preparations of cereals, flour, starch, or milk	27.6	–	14.0	–	12.1	–	26.5
064	Bakery products	15.4	.1	9.3	–	14.5	–	28.1
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11.1	–	14.5	–	19.0	–	18.1
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	7.6	–	8.9	–	11.0	–	14.3
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	15.8	–	17.8	–	21.3	–	33.8
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	9.6	–	13.2	–	18.2	.1	19.8
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	22.4	–	20.1	–	23.9	.2	10.3
076	Confectionery, cocoa, and cocoa preparations	19.1	–	18.5	–	20.4	–	13.1
077	Edible preparations, n.e.c. and vinegar	8.7	–	10.0	–	11.3	–	12.9
078	Nonalcoholic beverages, n.e.c. and ice	20.6	.2	11.1	.2	15.0	.1	8.2
081	Malt Beer	4.9	–	6.4	–	15.4	–	4.4
082	Wine and other fermented beverages	8.7	–	8.5	–	10.1	–	6.3
083	Spirituous beverages and ethyl alcohol	6.3	–	8.2	–	21.3	–	8.8
090	Tobacco products	17.7	.3	29.8	–	23.8	–	18.6
100	Monumental or building stone, except dolomite	20.1	–	23.9	–	18.9	–	28.3
110	Natural sands, except metal-bearing	11.3	–	15.4	.6	16.3	.2	19.4
120	Gravel and crushed stone, except dolomite and slate	8.6	–	8.2	.9	9.0	.3	8.9
131	Salt	32.3	–	40.6	.1	S	S	13.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	13.2	–	21.7	–	38.7	–	18.5
133	Dolomite	44.5	–	S	S	S	S	S
139	Other nonmetallic minerals	15.8	–	28.9	.5	13.4	.3	12.5
141	Iron ores and concentrates	34.4	–	41.6	–	38.7	–	22.3
149	Other metallic ores and concentrates	22.3	–	39.5	–	35.5	.1	13.8
151	Nonagglomerated bituminous coal	9.1	–	10.2	.9	10.8	1.2	30.8
159	Other coal	17.7	–	19.8	.2	49.6	–	49.1
171	Gasoline	5.1	.2	8.3	.7	24.3	1.3	7.4
172	Aviation turbine fuel (types A and B)	15.2	–	34.5	.4	42.3	.8	41.1
180	Fuel oils	9.3	.2	10.4	.5	18.4	.5	7.6
191	Lubricating oils and greases	14.3	–	14.6	–	25.4	.3	19.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	22.3	–	21.2	.2	36.8	.3	39.3
193	Gaseous hydrocarbons	11.8	–	12.9	.1	19.3	–	9.7
199	Other products of petroleum refining, and coal products	13.1	–	14.7	.3	12.5	.2	13.3
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	15.8	–	16.0	.1	32.3	.6	17.3
202	Inorganic chemicals, n.e.c.	6.3	–	13.2	.2	14.4	.3	13.7
203	Cyclic hydrocarbons	37.4	–	15.4	–	24.8	.1	12.5
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	23.8	.1	26.5	.1	41.5	.4	10.3
205	Organic chemicals, n.e.c.	24.5	.6	21.0	.3	28.1	.8	13.6
210	Pharmaceutical products	9.2	.3	19.3	–	33.4	.1	8.9
220	Fertilizers and fertilizer materials	7.3	–	11.8	.3	9.8	.3	6.7
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	7.8	–	8.7	–	9.8	–	21.7
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	16.6	–	20.8	–	29.6	–	12.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	13.0	–	14.5	–	21.8	.2	10.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	18.8	–	25.1	–	20.8	–	16.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	7.5	–	20.4	–	17.7	–	16.6
239	Other chemical products and preparations	11.9	–	9.3	–	13.0	.1	9.1
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	6.3	.1	7.1	–	10.0	.2	6.0
242	Manmade fibers and plastics basic shapes and articles	4.3	.1	5.6	–	6.3	–	5.3

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	4.8	–	6.4	–	5.4	–	7.5
250	Logs and other wood in the rough	9.5	–	14.6	.7	18.5	.3	15.5
261	Wood chips or particles	17.1	–	21.0	.2	24.0	.2	15.0
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5.9	–	6.8	.1	7.3	.2	6.4
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	20.4	.1	39.1	.3	35.3	.7	10.9
264	Builders' joinery and carpentry of wood, except shingles and shakes	9.0	–	10.7	–	14.2	–	13.1
269	Other wood products	7.5	–	32.0	.1	15.3	–	12.0
271	Pulp of fibrous cellulosic materials	16.2	–	19.1	–	24.6	.1	20.4
272	Newsprint in large rolls or sheets	21.7	–	20.8	–	20.2	–	38.0
273	Uncoated paper and paperboard in large rolls or sheets	8.1	–	7.6	–	8.9	.3	6.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	7.6	–	9.1	–	9.1	.1	9.2
280	Paper or paperboard articles	5.1	–	4.8	–	7.3	–	8.4
291	Printed books, brochures, leaflets, and similar printed products	9.3	–	38.7	–	10.2	–	3.0
292	Newspapers, journals, and periodicals	7.4	–	11.7	–	21.0	–	31.7
293	Advertising material, commercial or trade catalogues, and similar printed products	9.4	–	12.9	–	16.3	–	22.1
299	Other printed products	10.1	–	9.5	–	10.9	–	7.8
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3.7	.1	3.8	–	6.0	–	4.2
302	Textile clothing and accessories, and headgear, except safety	24.5	.8	21.2	–	13.4	–	3.0
303	Textiles and textile articles, n.e.c.	8.8	.2	8.7	–	15.4	.1	4.5
304	Footwear	30.5	–	S	S	44.0	–	6.0
305	Leather and articles, luggage of related materials, and dressed furskins and articles	15.9	–	36.2	–	27.6	–	7.4
311	Hydraulic cements	13.1	–	22.8	.3	9.2	–	18.1
312	Ceramic products	6.7	–	38.9	.2	9.9	–	10.6
313	Glass and glass products	8.0	–	11.1	–	10.7	–	16.1
319	Other nonmetallic mineral products	5.8	–	5.3	.4	7.3	.2	7.7
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	9.5	–	30.8	–	19.2	–	15.9
322	Flat-rolled products of iron or steel	16.0	.1	23.4	.2	22.9	.3	8.9
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	5.9	–	7.4	–	10.0	.2	9.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	6.5	.1	7.5	–	9.1	–	5.7
331	Pipes, tubes, and fittings	5.5	–	12.4	–	13.4	.1	8.9
332	Structures and parts, except prefabricated buildings	5.4	–	15.4	–	21.0	.1	6.9
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	7.6	–	7.4	–	10.1	–	8.0
339	Other articles of metal	6.6	–	7.9	–	9.3	–	12.3
341	Internal-combustion piston engines	23.9	.2	26.8	–	27.1	–	14.9
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	20.5	–	24.5	–	25.8	–	13.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	9.3	–	9.8	–	12.3	–	7.5
344	Air-conditioning, refrigerating, or freezing equipment	12.7	–	13.8	–	18.5	–	12.3
345	Materials-handling, excavating, boring, and related machinery and equipment	7.7	–	9.8	–	13.7	–	9.9
349	Other machinery	5.0	.1	5.1	–	7.4	–	4.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13.5	–	10.7	–	13.9	–	10.2
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	17.8	–	31.7	–	27.2	–	17.3
353	Line telephone or telegraph apparatus	16.0	.1	21.6	–	27.0	–	7.4
354	Electronic entertainment products, except parts	32.6	.2	19.3	–	19.7	–	8.5
355	Computer and office equipment	20.6	.6	21.6	–	25.5	–	6.8
356	Prepared unrecorded or prerecorded media	24.7	–	25.3	–	30.4	–	6.4
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	21.7	.1	36.9	–	43.1	–	9.0
358	Electronic components and parts	22.2	.4	36.1	–	14.5	–	4.4
359	Other electronic and electrical equipment	10.0	.3	11.1	–	12.7	–	5.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	17.1	.4	16.8	–	24.9	–	16.2
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	17.6	.1	16.3	–	23.1	–	14.4
363	Other vehicles	11.9	–	12.9	–	12.4	–	9.9
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	6.1	.2	8.6	–	9.9	–	7.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.9	–	18.2	–	16.4	–	8.7
372	Aircraft and spacecraft	15.8	.1	19.9	–	14.5	–	7.5
373	Ships, boats, and floating structures	9.7	–	10.3	–	31.3	–	13.7
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	42.5	–	44.8	–	9.4
382	Photographic and photocopying machines	16.6	–	22.4	–	29.2	–	14.5
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	26.1	–	S	S	S	S	26.8
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	13.5	–	34.7	–	35.9	–	7.1

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	8.4	–	10.4	–	11.8	–	8.4
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.8	.2	8.0	–	6.3	–	4.3
401	Arms and ammunition	16.6	–	25.6	–	25.1	–	6.6
402	Toys, games, and sporting equipment	36.3	.2	37.4	–	23.2	–	6.1
409	Miscellaneous manufactured products	7.5	.3	7.6	–	7.5	.1	6.4
411	Metallic waste and scrap	6.9	–	4.9	–	9.7	–	10.2
412	Nonmetallic waste and scrap, except from food processing	14.6	–	15.1	–	15.0	–	10.0
439	Mixed freight	13.7	.6	15.2	.2	10.8	–	9.9
—	Commodity unknown	14.0	–	S	S	S	S	13.2

– 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	**2.1**	**–**	**3.0**	**–**	**4.7**	**–**	**2.8**
Single modes	**2.3**	**.4**	**2.8**	**.5**	**4.0**	**1.0**	**3.1**
Truck	2.1	.6	2.7	1.1	2.5	1.5	3.5
For-hire truck	2.8	.8	4.3	1.1	2.6	1.1	2.1
Private truck	3.2	.7	4.5	1.2	4.2	.5	6.1
Rail	9.4	.4	5.9	.7	6.0	1.2	3.7
Water	7.3	.1	8.3	.5	12.6	1.5	19.3
Shallow draft	6.9	.1	8.3	.4	10.8	.9	14.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	21.3	–	24.7	.3	28.4	1.1	20.3
Air (includes truck and air)	13.2	.3	15.5	–	18.2	–	2.5
Pipeline	10.4	.3	11.6	.8	S	S	S
Multiple modes	**4.0**	**.4**	**11.6**	**.1**	**24.6**	**1.0**	**2.0**
Parcel, U.S. Postal Service or courier	4.2	.4	4.7	–	2.8	–	2.0
Truck and rail	18.7	.1	14.4	–	11.6	.2	5.2
Truck and water	23.0	–	21.8	–	48.7	.7	S
Rail and water	24.8	–	24.7	–	21.4	.1	31.6
Other multiple modes	29.5	–	36.2	–	44.9	.5	S
Other and unknown modes	**5.4**	**.2**	**14.5**	**.4**	**11.4**	**.2**	**16.6**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**19.2**	**–**	**30.9**	**–**	**25.0**	**–**	**10.6**
Single modes	**19.1**	**.3**	**30.9**	**.1**	**25.0**	**.3**	**10.7**
Truck	19.1	.3	30.9	.1	25.0	.3	20.3
For-hire truck	29.3	6.3	31.8	7.1	32.6	6.7	9.6
Private truck	27.7	6.3	47.6	7.1	36.7	6.7	23.3
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.7
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**39.0**
SCTG 02, CEREAL GRAINS							
Total	**24.0**	**–**	**21.1**	**–**	**21.2**	**–**	**14.3**
Single modes	**15.2**	**7.1**	**13.8**	**7.2**	**22.9**	**3.8**	**13.3**
Truck	11.4	6.4	10.8	6.5	13.6	5.7	15.3
For-hire truck	13.6	4.8	13.5	4.9	19.6	4.6	14.6
Private truck	15.1	3.4	14.4	3.4	17.0	2.7	21.8
Rail	18.5	2.9	15.9	2.9	25.0	3.4	11.4
Water	35.2	4.9	33.8	5.0	34.9	5.6	15.7
Shallow draft	37.8	4.6	38.4	4.8	27.6	5.2	17.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	S	S	S	S	S	S	24.6
Truck and water	S	S	S	S	S	S	21.7
Rail and water	–	–	–	–	–	–	–
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 03, OTHER AGRICULTURAL PRODUCTS							
Total	**7.4**	**–**	**13.1**	**–**	**13.9**	**–**	**25.7**
Single modes	**8.1**	**1.7**	**14.8**	**3.3**	**14.0**	**2.6**	**24.1**
Truck	6.4	3.0	10.9	4.8	19.7	5.5	23.8
For-hire truck	8.7	2.4	17.4	3.1	23.6	4.9	4.5
Private truck	8.4	3.0	10.9	3.7	13.5	2.2	16.3
Rail	27.0	1.2	35.4	2.4	34.8	2.9	15.3
Water	39.4	3.0	39.3	5.0	30.1	5.1	26.5
Shallow draft	44.5	2.6	40.9	4.3	32.1	5.1	26.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	26.0
Air (includes truck and air)	27.6	–	24.9	–	26.1	–	8.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**19.6**	**.3**	**S**	**S**	**31.9**	**1.0**	**6.6**
Parcel, U.S. Postal Service or courier	26.0	.3	44.7	–	49.4	.3	7.0
Truck and rail	48.5	.2	S	S	37.5	1.0	23.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.8**	**1.7**	**34.5**	**3.4**	**S**	**S**	**48.2**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**11.3**	**–**	**6.5**	**–**	**9.3**	**–**	**33.4**
Single modes	**11.9**	**1.4**	**6.7**	**.9**	**9.9**	**1.1**	**24.3**
Truck	12.1	1.7	6.3	1.5	9.8	3.8	22.8
For-hire truck	15.0	3.1	13.6	2.4	16.6	4.1	7.0
Private truck	13.7	3.3	6.7	2.5	8.9	4.2	21.0
Rail	24.3	.8	20.8	.8	24.1	2.5	12.9
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.2**	**1.1**	**39.8**	**.7**	**23.3**	**.9**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	34.4	1.0	34.6	.2	30.3	.9	24.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	47.1	.3	S	S	S	S	20.5
Other and unknown modes	**19.3**	**.6**	**30.5**	**.6**	**38.1**	**.7**	**48.8**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**4.4**	**–**	**5.4**	**–**	**7.3**	**–**	**17.6**
Single modes	**4.4**	**.4**	**5.5**	**.4**	**7.5**	**.4**	**14.3**
Truck	4.5	.8	5.7	.8	7.7	1.0	12.5
For-hire truck	6.8	1.7	7.6	1.7	8.5	1.6	3.7
Private truck	4.8	2.0	6.3	2.1	8.5	1.5	11.4
Rail	S	S	S	S	42.2	.8	17.6
Water	S	S	S	S	S	S	27.9
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**46.7**	**–**	**41.8**	**–**	**S**	**S**	**14.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.1
Truck and rail	S	S	48.6	–	S	S	22.2
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.7**	**.4**	**21.2**	**.4**	**16.8**	**.3**	**32.5**

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	**11.4**	**–**	**6.8**	**–**	**7.3**	**–**	**22.3**
Single modes	**11.5**	**.2**	**6.8**	**.3**	**7.2**	**.5**	**21.7**
Truck	11.7	.6	7.3	1.3	8.8	3.1	21.6
For-hire truck	10.5	3.3	12.6	3.3	10.6	3.7	8.5
Private truck	16.2	3.2	8.8	2.7	9.1	1.6	22.8
Rail	17.5	.4	15.1	1.2	15.6	2.9	8.2
Water	S	S	S	S	S	S	22.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**18.1**	**.1**	**21.8**	**.1**	**24.2**	**.5**	**12.4**
Parcel, U.S. Postal Service or courier	22.4	–	24.1	–	24.6	–	13.8
Truck and rail	23.4	.1	23.4	.1	26.4	.5	14.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.6**	**.2**	**28.3**	**.2**	**35.6**	**.2**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**6.9**	**–**	**5.7**	**–**	**6.7**	**–**	**19.2**
Single modes	**7.2**	**.7**	**6.1**	**1.0**	**7.5**	**2.5**	**5.9**
Truck	7.3	.7	6.3	1.4	6.8	2.5	5.9
For-hire truck	5.2	2.0	9.1	2.3	9.1	2.5	7.6
Private truck	11.3	2.5	9.0	2.8	11.1	2.7	6.4
Rail	12.3	.3	12.4	.7	17.3	1.9	10.3
Water	39.1	.3	37.9	.9	43.2	1.7	S
Shallow draft	39.1	.3	37.9	.9	43.2	1.7	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.0	–	37.8	–	41.2	–	20.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**21.0**	**.4**	**34.1**	**.8**	**33.5**	**2.4**	**8.1**
Parcel, U.S. Postal Service or courier	35.7	.1	33.5	–	34.5	–	8.5
Truck and rail	23.0	.2	37.3	.2	21.9	.5	17.7
Truck and water	49.5	.4	49.5	.8	S	S	27.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	26.5
Other and unknown modes	**24.9**	**.3**	**25.6**	**.3**	**31.5**	**.3**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**4.2**	**–**	**5.8**	**–**	**14.7**	**–**	**3.4**
Single modes	**4.3**	**.5**	**5.9**	**.6**	**15.4**	**2.7**	**3.2**
Truck	3.9	.8	5.2	1.0	13.3	2.5	3.1
For-hire truck	17.7	3.1	17.7	3.5	20.5	6.6	40.0
Private truck	4.8	3.7	5.8	4.0	25.0	7.5	2.8
Rail	36.2	.8	S	S	48.0	2.3	19.4
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**39.4**	**.3**	**S**	**S**	**S**	**S**	**49.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	40.6	.3	S	S	S	S	S
Truck and water	S	S	S	S	S	S	28.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**28.1**	**.3**	**30.0**	**.3**	**S**	**S**	**13.9**

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	**17.7**	**–**	**29.8**	**–**	**23.8**	**–**	**18.6**
Single modes	**17.9**	**.9**	**30.4**	**.9**	**23.2**	**1.6**	**9.8**
Truck	17.9	.9	30.4	.9	23.2	1.6	9.8
For-hire truck	24.1	6.3	19.1	8.0	26.4	4.6	8.7
Private truck	30.4	6.1	43.6	8.3	28.3	3.9	15.9
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	49.3
Shallow draft	S	S	S	S	S	S	36.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**32.4**	**.8**	**33.6**	**.4**	**S**	**S**	**11.0**
Parcel, U.S. Postal Service or courier	25.5	.8	23.6	.4	25.6	1.5	11.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	25.5
Other and unknown modes	**26.9**	**.3**	**39.4**	**.9**	**40.9**	**.5**	**33.8**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**20.1**	**–**	**23.9**	**–**	**18.9**	**–**	**28.3**
Single modes	**19.5**	**1.5**	**24.0**	**.3**	**18.6**	**1.2**	**35.8**
Truck	19.6	1.6	24.2	1.3	19.2	2.5	35.0
For-hire truck	25.9	6.8	27.8	7.6	27.1	6.6	11.2
Private truck	30.6	7.5	33.9	7.7	24.4	6.7	S
Rail	S	S	S	S	S	S	21.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**11.3**	**–**	**15.4**	**–**	**16.3**	**–**	**19.4**
Single modes	**11.5**	**.7**	**15.7**	**.6**	**16.2**	**1.9**	**16.2**
Truck	12.7	3.0	17.2	3.6	19.7	7.1	14.1
For-hire truck	9.1	3.1	19.8	4.7	20.7	5.6	14.3
Private truck	23.1	4.2	21.2	4.7	22.4	4.0	13.9
Rail	27.8	2.6	37.7	1.7	34.1	3.8	49.3
Water	37.8	.8	43.1	2.6	46.8	5.1	27.5
Shallow draft	37.8	.8	43.1	2.6	46.8	5.1	27.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	S	S	S	S	S	S	26.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**24.4**	**.6**	**26.5**	**.6**	**47.1**	**1.9**	**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 12, GRAVEL AND CRUSHED STONE							
Total	**8.6**	**–**	**8.2**	**–**	**9.0**	**–**	**8.9**
Single modes	**8.8**	**.3**	**8.4**	**.3**	**9.1**	**.3**	**9.0**
Truck	9.5	1.1	9.2	1.5	9.0	4.5	9.0
For-hire truck	13.8	2.4	10.4	2.5	10.6	2.8	7.9
Private truck	11.0	2.6	13.4	3.1	12.7	3.7	14.4
Rail	16.6	1.0	21.8	1.4	24.5	3.8	12.3
Water	31.0	.5	34.1	.6	43.5	3.2	23.0
Shallow draft	31.0	.5	34.1	.6	43.5	3.2	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**35.5**	**–**	**37.0**	**–**	**S**	**S**	**21.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	21.4
Rail and water	S	S	S	S	S	S	22.6
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.0**	**.3**	**27.6**	**.3**	**34.1**	**.3**	**18.2**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**12.4**	**–**	**19.4**	**–**	**20.2**	**–**	**15.3**
Single modes	**12.8**	**1.6**	**18.9**	**.5**	**20.0**	**2.8**	**16.6**
Truck	17.0	3.2	29.6	4.5	11.6	3.9	18.6
For-hire truck	14.2	3.5	19.3	3.5	11.8	3.4	14.6
Private truck	39.8	4.2	46.9	4.8	29.0	1.7	33.1
Rail	7.3	2.1	11.3	3.6	11.5	5.1	11.4
Water	41.5	1.2	S	S	S	S	20.2
Shallow draft	39.2	1.1	S	S	S	S	19.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	23.7
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	30.9	1.0	35.1	2.6	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**24.1**
Parcel, U.S. Postal Service or courier	45.2	.2	S	S	46.2	–	23.3
Truck and rail	S	S	S	S	S	S	19.3
Truck and water	S	S	S	S	S	S	22.0
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	1.5	–	22.4
Other and unknown modes	**29.6**	**.4**	**31.9**	**.3**	**28.3**	**.3**	**44.9**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**21.7**	**–**	**30.2**	**–**	**34.4**	**–**	**11.7**
Single modes	**23.8**	**3.0**	**30.8**	**3.9**	**37.6**	**7.7**	**13.3**
Truck	24.0	5.9	35.1	7.5	42.7	8.9	16.4
For-hire truck	30.2	5.8	41.2	7.0	49.1	6.7	26.8
Private truck	19.4	4.6	39.9	4.4	23.9	4.3	22.7
Rail	34.4	3.5	29.9	5.5	38.5	6.9	17.2
Water	S	S	S	S	50.0	5.8	36.4
Shallow draft	49.2	1.3	49.1	2.0	49.0	5.4	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	24.8
Air (includes truck and air)	S	S	S	S	S	S	18.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**31.8**	**2.0**	**44.8**	**2.2**	**38.9**	**5.6**	**22.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	48.4	2.2	43.8	5.6	20.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**45.6**

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 15, COAL							
Total	**8.0**	**–**	**8.0**	**–**	**10.7**	**–**	**28.4**
Single modes	**8.4**	**1.6**	**9.1**	**2.3**	**10.4**	**2.0**	**31.2**
Truck	22.7	3.1	24.1	3.3	24.3	.5	19.0
For-hire truck	25.3	2.7	26.3	2.7	22.7	.5	20.0
Private truck	35.2	1.1	38.6	1.5	48.3	.2	S
Rail	9.7	3.4	10.7	3.6	11.8	3.7	5.7
Water	20.5	1.9	21.2	1.9	30.0	2.2	14.5
Shallow draft	20.5	1.9	21.2	1.9	30.0	2.2	15.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.9**	**1.3**	**22.3**	**1.3**	**24.7**	**2.1**	**21.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	38.9	.1	21.9
Truck and water	36.3	.8	39.3	.8	39.6	1.4	26.2
Rail and water	28.2	.7	26.8	.6	24.6	1.0	18.3
Other multiple modes	S	S	S	S	S	S	20.0
Other and unknown modes	**13.2**	**.9**	**12.8**	**1.8**	**16.2**	**.5**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**4.7**	**–**	**10.7**	**–**	**26.0**	**–**	**7.2**
Single modes	**4.8**	**.5**	**10.8**	**.3**	**22.6**	**2.9**	**7.4**
Truck	6.6	2.6	9.4	3.8	14.6	6.2	7.7
For-hire truck	17.1	2.6	21.9	3.0	22.2	4.3	9.7
Private truck	4.1	1.8	8.4	1.9	14.8	2.5	9.8
Rail	S	S	S	S	50.0	–	48.1
Water	16.6	1.3	29.8	1.9	39.7	6.4	13.5
Shallow draft	23.1	1.2	24.2	1.5	36.7	4.5	21.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	27.0	.7	47.9	1.5	48.9	4.9	16.9
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	9.7	2.4	15.9	3.3	S	S	S
Multiple modes	**46.4**	**.4**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	34.5	.1	33.0	.1	S	S	S
Other and unknown modes	**33.2**	**.2**	**32.6**	**.1**	**30.4**	**–**	**S**
SCTG 18, FUEL OILS							
Total	**9.3**	**–**	**10.4**	**–**	**18.4**	**–**	**7.6**
Single modes	**9.5**	**1.3**	**10.9**	**1.4**	**13.7**	**5.6**	**8.1**
Truck	7.5	3.6	7.8	3.6	11.2	4.5	8.4
For-hire truck	13.5	2.2	12.5	1.9	16.6	2.7	8.7
Private truck	9.3	2.6	9.9	2.6	14.7	2.7	7.6
Rail	38.4	.2	38.2	.2	34.5	.8	18.8
Water	13.6	1.9	16.4	2.5	19.4	5.6	26.7
Shallow draft	18.7	1.9	22.2	2.5	21.3	4.8	31.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	28.6	.8	35.9	1.4	S	S	42.2
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	21.9	4.2	23.5	4.3	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**31.3**	**.3**	**31.2**	**.3**	**42.4**	**.3**	**25.8**

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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**7.8**	**–**	**8.5**	**–**	**8.7**	**–**	**18.1**
Single modes	**8.2**	**1.0**	**8.9**	**1.3**	**9.1**	**1.0**	**20.0**
Truck	9.0	2.9	14.0	3.2	25.9	3.9	21.4
For-hire truck	9.4	1.5	25.4	2.8	9.9	1.9	12.5
Private truck	15.9	3.1	15.8	2.5	S	S	27.9
Rail	21.1	2.3	13.7	1.8	14.5	4.6	7.7
Water	19.4	2.6	18.1	3.1	22.5	4.7	21.5
Shallow draft	22.4	2.5	20.2	2.9	18.0	3.4	15.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	31.7	1.1	37.0	1.2	46.8	4.8	21.7
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	13.3	1.9	11.1	2.0	S	S	S
Multiple modes	**45.2**	**.5**	**46.0**	**.3**	**43.3**	**1.0**	**15.4**
Parcel, U.S. Postal Service or courier	24.4	–	26.2	–	34.3	–	12.9
Truck and rail	S	S	S	S	S	S	17.2
Truck and water	S	S	S	S	S	S	29.7
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.3
Other and unknown modes	**26.8**	**.9**	**41.1**	**1.2**	**27.4**	**.3**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**17.8**	**–**	**10.5**	**–**	**17.6**	**–**	**13.7**
Single modes	**18.1**	**.7**	**10.6**	**1.0**	**18.2**	**1.0**	**9.6**
Truck	17.4	1.9	14.7	1.9	30.4	1.8	9.4
For-hire truck	21.3	1.6	21.0	1.4	36.4	1.6	4.4
Private truck	6.8	.9	17.3	1.8	16.4	.9	13.2
Rail	33.2	2.2	21.6	2.0	24.5	2.9	4.6
Water	12.9	2.1	10.9	2.7	21.1	4.3	13.6
Shallow draft	12.9	1.7	10.0	2.1	17.6	3.3	13.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	30.1	.8	32.7	1.6	49.4	3.2	47.9
Air (includes truck and air)	S	S	S	S	S	S	5.8
Pipeline	27.0	2.7	17.7	2.9	S	S	S
Multiple modes	**15.1**	**.3**	**27.2**	**.2**	**29.6**	**.9**	**16.1**
Parcel, U.S. Postal Service or courier	28.4	.3	31.2	–	33.9	–	16.7
Truck and rail	24.9	.2	23.4	–	27.4	.3	10.2
Truck and water	S	S	S	S	S	S	37.4
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	33.0	–	S	S	S	S	33.8
Other and unknown modes	**19.8**	**.6**	**24.6**	**.9**	**27.3**	**.6**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**9.2**	**–**	**19.3**	**–**	**33.4**	**–**	**8.9**
Single modes	**11.1**	**3.0**	**19.8**	**1.1**	**34.6**	**1.9**	**15.7**
Truck	12.7	3.4	18.8	1.5	30.0	3.1	18.6
For-hire truck	15.0	3.4	27.2	4.7	33.6	3.5	12.7
Private truck	13.7	2.5	29.7	4.8	21.9	2.7	27.3
Rail	S	S	S	S	S	S	21.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	42.2	3.1	24.7	.4	27.4	1.3	8.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**12.8**	**2.8**	**10.6**	**1.1**	**12.5**	**1.8**	**7.5**
Parcel, U.S. Postal Service or courier	12.8	2.8	10.8	1.0	13.5	1.6	7.5
Truck and rail	32.4	–	27.8	–	32.3	.3	17.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**31.1**	**.4**	**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 22, FERTILIZERS							
Total	**7.3**	**–**	**11.8**	**–**	**9.8**	**–**	**6.7**
Single modes	**7.3**	**2.2**	**12.3**	**2.0**	**7.0**	**3.0**	**7.5**
Truck	11.5	3.0	9.8	3.1	13.5	3.0	8.2
For-hire truck	11.6	1.8	12.9	1.5	20.6	2.8	13.4
Private truck	18.1	3.0	12.1	2.7	10.5	.7	6.1
Rail	9.2	3.4	20.9	5.1	11.5	5.0	7.6
Water	32.6	3.1	30.9	3.4	39.2	4.4	24.0
Shallow draft	28.7	2.2	30.9	2.7	39.0	4.1	29.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	31.9
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	45.2	1.0	40.5	.9	S	S	S
Multiple modes	**45.9**	**.3**	**48.4**	**.3**	**S**	**S**	**18.9**
Parcel, U.S. Postal Service or courier	S	S	34.0	–	30.0	–	20.6
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**48.3**	**1.8**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**5.5**	**–**	**7.0**	**–**	**12.1**	**–**	**13.3**
Single modes	**5.6**	**.8**	**7.7**	**2.0**	**12.1**	**1.6**	**8.0**
Truck	5.2	1.8	7.4	2.8	11.0	3.1	8.2
For-hire truck	5.5	1.8	10.1	2.9	12.4	2.8	3.8
Private truck	9.4	1.7	8.3	2.2	12.0	1.2	10.7
Rail	22.9	1.2	18.5	1.3	19.2	2.1	6.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	20.5	–	25.4	–	41.3	–	7.2
Pipeline	S	S	42.3	.4	S	S	S
Multiple modes	**12.6**	**.7**	**25.1**	**.4**	**27.2**	**1.1**	**9.4**
Parcel, U.S. Postal Service or courier	14.3	.6	11.6	–	10.4	–	9.4
Truck and rail	27.4	.4	32.8	.5	30.1	1.2	10.9
Truck and water	S	S	S	S	S	S	22.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	23.0
Other and unknown modes	**14.2**	**.5**	**40.1**	**1.9**	**45.6**	**1.2**	**28.7**
SCTG 24, PLASTICS AND RUBBER							
Total	**3.7**	**–**	**4.6**	**–**	**6.5**	**–**	**4.6**
Single modes	**3.5**	**.6**	**4.6**	**1.5**	**6.3**	**1.2**	**5.6**
Truck	3.7	.9	4.5	1.7	5.6	2.3	5.4
For-hire truck	4.3	1.0	5.2	1.6	5.5	2.0	3.5
Private truck	5.3	1.0	6.9	1.0	9.5	.5	8.6
Rail	6.8	.9	8.6	2.2	9.5	2.8	3.4
Water	S	S	S	S	S	S	30.1
Shallow draft	S	S	S	S	S	S	29.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.9
Air (includes truck and air)	15.4	–	35.9	–	32.3	–	5.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	**12.0**	**.5**	**25.7**	**.5**	**28.7**	**1.1**	**3.2**
Parcel, U.S. Postal Service or courier	8.8	.4	10.0	–	8.9	–	3.2
Truck and rail	39.9	.6	32.9	.5	32.3	1.2	9.2
Truck and water	S	S	S	S	S	S	20.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**15.1**	**.5**	**S**	**S**	**27.2**	**.5**	**24.3**

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 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**9.5**	**–**	**14.6**	**–**	**18.5**	**–**	**15.5**
Single modes	**9.6**	**1.1**	**14.7**	**.5**	**18.3**	**1.3**	**5.6**
Truck	10.0	1.8	15.2	2.6	17.8	5.8	5.6
For-hire truck	16.1	4.0	29.6	5.0	34.4	5.3	8.2
Private truck	10.3	3.7	14.0	4.7	13.3	5.7	7.1
Rail	32.3	1.4	S	S	S	S	S
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.9
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	21.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.6**	**.7**	**29.2**	**.3**	**28.1**	**.4**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**7.0**	**–**	**13.1**	**–**	**17.0**	**–**	**8.9**
Single modes	**7.2**	**.5**	**13.3**	**.3**	**17.5**	**.9**	**4.5**
Truck	5.1	1.3	11.8	2.4	10.4	2.6	4.2
For-hire truck	8.7	1.5	15.6	3.1	12.9	2.0	5.1
Private truck	4.3	1.9	16.2	3.6	9.9	1.7	7.0
Rail	30.4	1.3	34.9	1.5	33.9	2.4	6.9
Water	S	S	S	S	S	S	26.1
Shallow draft	S	S	S	S	S	S	24.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	43.1	–	37.0	–	34.7	–	14.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**21.2**	**.3**	**30.9**	**.1**	**30.2**	**.8**	**6.6**
Parcel, U.S. Postal Service or courier	26.8	.3	23.6	–	26.3	–	6.6
Truck and rail	21.6	–	33.3	.1	31.3	.8	20.8
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**16.5**	**.4**	**14.3**	**.2**	**26.1**	**.5**	**18.7**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**5.7**	**–**	**4.2**	**–**	**5.3**	**–**	**7.7**
Single modes	**5.8**	**.4**	**4.3**	**.6**	**5.4**	**.6**	**5.4**
Truck	7.4	1.4	5.7	1.5	7.0	1.8	4.8
For-hire truck	7.3	1.8	6.6	1.8	7.9	2.0	5.7
Private truck	15.2	1.7	11.1	1.1	14.9	.6	6.5
Rail	4.4	1.3	5.2	1.7	6.7	2.0	2.4
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	S	S	S	S	S	S	13.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**13.5**	**.3**	**26.2**	**.4**	**18.9**	**.5**	**13.1**
Parcel, U.S. Postal Service or courier	19.4	.1	17.0	–	30.7	–	15.2
Truck and rail	19.1	.2	29.6	.4	20.3	.5	13.1
Truck and water	S	S	S	S	S	S	26.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**18.4**	**.2**	**26.8**	**.3**	**27.6**	**.2**	**15.3**

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 28, PAPER OR PAPERBOARD ARTICLES							
Total	**5.1**	**–**	**4.8**	**–**	**7.3**	**–**	**8.4**
Single modes	**5.2**	**.6**	**5.0**	**.3**	**7.6**	**.6**	**11.3**
Truck	5.2	.6	4.9	.8	7.7	2.1	12.6
For-hire truck	7.4	2.0	5.5	1.6	7.3	2.1	8.0
Private truck	6.6	1.9	6.5	1.4	12.3	1.0	22.0
Rail	36.3	.3	34.5	.9	36.6	2.4	22.0
Water	S	S	S	S	S	S	30.4
Shallow draft	S	S	S	S	S	S	46.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	38.3	–	S	S	42.7	–	12.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	**12.4**	**.5**	**11.7**	**.1**	**13.1**	**.4**	**8.0**
Parcel, U.S. Postal Service or courier	13.2	.4	12.5	–	21.2	.1	8.1
Truck and rail	17.0	–	17.0	–	15.0	.3	13.8
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**12.3**	**.3**	**10.8**	**.3**	**19.7**	**.4**	**27.2**
SCTG 29, PRINTED PRODUCTS							
Total	**4.8**	**–**	**8.8**	**–**	**6.5**	**–**	**11.7**
Single modes	**4.5**	**1.7**	**8.9**	**1.4**	**7.0**	**1.4**	**11.2**
Truck	4.5	1.7	8.9	1.4	7.1	1.4	11.8
For-hire truck	8.1	2.0	13.0	3.0	7.1	2.4	8.4
Private truck	5.1	1.9	13.0	3.1	33.0	2.6	12.2
Rail	S	S	48.6	–	34.2	.2	S
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.8
Air (includes truck and air)	20.0	.3	16.1	–	18.9	.3	11.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**11.4**	**1.7**	**11.8**	**.3**	**11.8**	**1.4**	**5.0**
Parcel, U.S. Postal Service or courier	11.5	1.7	13.4	.4	13.7	1.3	5.0
Truck and rail	31.2	.1	34.1	.1	38.6	1.1	17.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11.7**	**.8**	**21.5**	**1.3**	**46.0**	**1.2**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**10.2**	**–**	**5.8**	**–**	**7.5**	**–**	**2.4**
Single modes	**11.4**	**.9**	**6.0**	**.5**	**7.1**	**1.0**	**3.8**
Truck	11.5	.9	6.1	.6	7.5	1.5	3.3
For-hire truck	10.9	2.3	6.5	2.5	8.1	2.2	2.0
Private truck	16.3	2.5	13.4	2.6	20.7	2.4	10.1
Rail	45.9	–	S	S	49.6	1.5	20.9
Water	S	S	S	S	S	S	25.2
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	14.1	–	31.8	–	42.6	.1	8.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**6.5**	**.7**	**14.2**	**.3**	**30.6**	**1.0**	**1.7**
Parcel, U.S. Postal Service or courier	5.2	.6	5.3	.1	6.1	.2	1.7
Truck and rail	S	S	48.6	.2	S	S	13.4
Truck and water	S	S	S	S	S	S	23.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**11.5**	**.3**	**21.5**	**.4**	**19.8**	**.4**	**25.2**

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	**3.8**	**–**	**4.8**	**–**	**4.7**	**–**	**9.0**
Single modes	**3.8**	**.6**	**4.9**	**.3**	**4.8**	**.8**	**5.9**
Truck	3.5	.9	5.1	.5	4.7	1.5	6.2
For-hire truck	4.0	1.0	9.2	1.8	5.2	1.4	4.7
Private truck	4.5	1.2	6.4	2.0	9.4	1.8	7.5
Rail	10.0	.2	10.3	.3	12.7	1.5	8.9
Water	35.0	.1	37.2	.3	44.2	.5	S
Shallow draft	35.0	.1	37.2	.3	44.2	.5	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	14.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.5**	**.4**	**23.3**	**.2**	**21.9**	**.5**	**5.2**
Parcel, U.S. Postal Service or courier	16.8	.3	13.7	–	13.1	–	5.3
Truck and rail	34.4	.2	25.8	.2	24.6	.5	28.8
Truck and water	S	S	S	S	46.5	–	S
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**19.0**	**.5**	**12.8**	**.2**	**18.1**	**.7**	**16.2**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**3.8**	**–**	**9.5**	**–**	**7.6**	**–**	**4.8**
Single modes	**4.1**	**.5**	**10.0**	**1.2**	**8.1**	**1.8**	**6.9**
Truck	2.9	1.7	5.7	2.9	5.6	3.4	7.2
For-hire truck	3.4	1.5	6.1	2.0	6.0	3.0	4.0
Private truck	4.9	1.2	7.9	2.0	8.6	.7	9.0
Rail	20.1	1.6	31.5	2.3	14.0	2.4	13.7
Water	S	S	S	S	48.1	1.3	19.9
Shallow draft	S	S	S	S	48.1	1.3	19.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	32.9	–	36.1	–	37.3	–	7.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**14.5**	**.3**	**41.5**	**.4**	**44.9**	**1.4**	**7.6**
Parcel, U.S. Postal Service or courier	17.0	.3	14.3	–	10.7	–	7.7
Truck and rail	24.3	–	33.0	–	32.8	.2	13.7
Truck and water	S	S	S	S	S	S	38.6
Rail and water	–	–	–	–	–	–	22.9
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**13.0**	**.4**	**24.1**	**1.0**	**22.8**	**1.2**	**28.0**
SCTG 33, ARTICLES OF BASE METAL							
Total	**3.0**	**–**	**7.9**	**–**	**10.5**	**–**	**6.1**
Single modes	**3.4**	**1.0**	**8.3**	**.6**	**11.2**	**1.7**	**7.6**
Truck	3.4	1.2	7.5	1.8	10.0	3.5	8.0
For-hire truck	4.4	1.3	9.6	2.7	8.3	3.6	5.5
Private truck	3.6	1.0	10.4	2.1	24.6	2.2	16.2
Rail	29.7	.7	28.2	1.5	28.0	2.5	13.5
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	22.3	.2	29.5	–	33.9	.1	5.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**8.3**	**.8**	**17.4**	**.3**	**31.1**	**1.1**	**5.7**
Parcel, U.S. Postal Service or courier	8.4	.8	11.5	.2	19.7	.5	5.7
Truck and rail	29.0	–	26.2	–	29.1	.1	16.5
Truck and water	49.5	–	S	S	S	S	17.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11.1**	**.5**	**12.3**	**.5**	**35.7**	**1.5**	**16.1**

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 34, MACHINERY							
Total	**4.8**	**–**	**3.8**	**–**	**4.3**	**–**	**4.5**
Single modes	**5.0**	**.8**	**3.9**	**.8**	**4.4**	**1.3**	**6.3**
Truck	5.2	1.1	4.3	1.4	4.9	1.9	6.8
For-hire truck	7.1	1.7	5.8	2.2	5.7	2.2	6.2
Private truck	8.7	1.7	9.2	2.0	13.8	1.3	10.8
Rail	49.7	.6	48.0	.7	34.7	.8	15.3
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)	15.3	.3	12.3	–	13.1	–	2.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**7.1**	**.7**	**12.2**	**.4**	**23.7**	**1.2**	**4.1**
Parcel, U.S. Postal Service or courier	7.0	.6	9.0	.2	9.7	.2	4.2
Truck and rail	36.9	.2	44.3	.3	44.6	1.1	13.9
Truck and water	S	S	S	S	40.3	.2	19.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**10.3**	**.4**	**11.3**	**.5**	**12.3**	**.3**	**12.5**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**9.6**	**–**	**8.0**	**–**	**8.1**	**–**	**5.0**
Single modes	**12.6**	**2.4**	**8.2**	**.8**	**8.6**	**1.0**	**9.7**
Truck	13.8	2.6	8.3	.7	8.8	1.2	13.7
For-hire truck	17.1	3.0	9.2	2.2	8.8	2.6	6.4
Private truck	11.9	1.5	12.5	1.9	34.0	2.7	15.5
Rail	38.2	.1	33.1	.3	29.0	.5	13.9
Water	S	S	S	S	S	S	20.9
Shallow draft	S	S	S	S	S	S	21.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	12.3	.9	16.2	.2	16.6	.3	2.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**9.2**	**2.2**	**7.9**	**.5**	**9.1**	**1.0**	**3.5**
Parcel, U.S. Postal Service or courier	9.3	2.1	8.6	.4	7.0	.5	3.5
Truck and rail	36.2	–	31.4	.2	34.7	.7	9.6
Truck and water	S	S	S	S	S	S	19.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**10.2**	**.7**	**17.5**	**.6**	**22.9**	**.3**	**21.0**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**7.7**	**–**	**7.3**	**–**	**8.6**	**–**	**7.6**
Single modes	**7.5**	**2.6**	**7.3**	**2.1**	**8.0**	**2.6**	**8.9**
Truck	5.9	3.3	7.1	2.6	7.5	3.7	8.7
For-hire truck	6.5	2.4	7.4	2.0	8.1	3.1	7.2
Private truck	8.8	1.8	10.7	1.8	13.2	2.0	8.8
Rail	28.1	1.9	22.4	1.2	24.0	2.5	18.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	19.4	.1	24.6	–	28.0	.1	5.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**23.9**	**1.5**	**31.9**	**1.3**	**36.3**	**2.6**	**4.3**
Parcel, U.S. Postal Service or courier	9.8	.4	8.3	.2	8.9	.1	4.3
Truck and rail	36.2	1.6	40.0	1.3	41.1	2.6	18.8
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	**22.9**	**2.5**	**18.1**	**2.0**	**20.2**	**1.4**	**20.9**

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	**11.8**	**–**	**13.5**	**–**	**12.6**	**–**	**6.1**
Single modes	**12.9**	**2.2**	**14.2**	**1.6**	**11.8**	**4.1**	**9.4**
Truck	14.1	4.0	15.1	5.7	9.5	5.8	19.1
For-hire truck	19.5	4.1	17.3	4.3	11.0	4.5	8.3
Private truck	22.0	3.3	23.2	4.6	18.3	3.6	28.3
Rail	18.3	1.6	23.7	5.6	20.5	5.4	17.8
Water	36.3	.7	S	S	S	S	25.0
Shallow draft	42.0	.7	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.7
Air (includes truck and air)	27.9	2.7	18.9	.4	17.7	.7	4.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**19.5**	**2.3**	**15.9**	**.5**	**28.5**	**1.3**	**5.8**
Parcel, U.S. Postal Service or courier	20.2	2.3	23.3	.4	23.2	.8	5.8
Truck and rail	47.9	.2	34.3	.4	41.3	1.2	19.2
Truck and water	S	S	S	S	S	S	25.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**22.0**	**.9**	**36.3**	**1.6**	**S**	**S**	**35.3**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**19.1**	**–**	**16.6**	**–**	**19.7**	**–**	**7.6**
Single modes	**6.9**	**3.6**	**21.1**	**3.8**	**23.9**	**4.5**	**11.9**
Truck	7.3	3.0	22.2	3.9	26.0	4.5	8.8
For-hire truck	10.1	2.8	26.1	4.0	27.2	4.6	15.1
Private truck	13.6	2.2	14.2	2.4	32.9	1.2	22.0
Rail	S	S	S	S	S	S	21.5
Water	S	S	S	S	S	S	22.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	12.8	1.4	S	S	33.5	1.8	7.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**34.2**	**3.6**	**23.1**	**2.9**	**26.5**	**4.1**	**6.5**
Parcel, U.S. Postal Service or courier	34.3	3.6	23.7	2.8	28.6	3.3	6.5
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.6**	**.5**	**35.9**	**1.8**	**46.8**	**2.1**	**36.2**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**10.8**	**–**	**8.0**	**–**	**6.3**	**–**	**4.3**
Single modes	**11.2**	**.6**	**8.1**	**.4**	**6.4**	**.8**	**5.9**
Truck	11.2	.5	8.2	.4	6.4	.9	5.9
For-hire truck	6.5	3.2	6.6	3.0	6.4	2.4	2.2
Private truck	23.1	3.4	16.7	3.2	16.6	2.6	10.7
Rail	25.3	–	30.4	–	31.5	.3	14.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	46.0	.3	34.6	–	32.1	–	19.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.1**	**.5**	**17.8**	**.2**	**19.7**	**.5**	**5.4**
Parcel, U.S. Postal Service or courier	19.2	.4	23.2	.2	28.6	.5	5.5
Truck and rail	27.3	–	27.2	.1	34.4	.3	15.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.5**	**.3**	**14.4**	**.2**	**31.5**	**.5**	**48.2**

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	**7.6**	**–**	**7.5**	**–**	**7.4**	**–**	**5.4**
Single modes	**9.4**	**1.5**	**7.7**	**1.0**	**8.0**	**1.4**	**10.5**
Truck	6.6	2.1	7.7	1.1	8.0	1.6	13.3
For-hire truck	5.4	2.5	7.8	3.4	9.1	2.5	6.0
Private truck	14.5	2.5	15.2	3.5	10.6	1.6	26.6
Rail	S	S	28.7	.7	23.8	1.4	10.6
Water	S	S	S	S	S	S	24.8
Shallow draft	S	S	S	S	S	S	43.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	15.2	–	17.3	–	3.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**7.9**	**1.4**	**9.0**	**.3**	**9.6**	**.7**	**3.7**
Parcel, U.S. Postal Service or courier	8.0	1.4	9.3	.2	10.3	.3	3.8
Truck and rail	29.2	.2	26.8	.2	22.7	.5	11.9
Truck and water	S	S	S	S	S	S	20.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**13.4**	**.4**	**32.5**	**.9**	**32.1**	**1.1**	**25.9**
SCTG 41, WASTE AND SCRAP							
Total	**5.7**	**–**	**6.2**	**–**	**7.9**	**–**	**8.6**
Single modes	**5.8**	**1.0**	**5.6**	**1.2**	**8.1**	**1.6**	**8.0**
Truck	7.6	2.4	7.2	2.6	10.9	2.9	9.1
For-hire truck	7.2	2.6	8.7	2.4	11.3	2.6	5.8
Private truck	17.9	3.2	12.1	2.2	22.1	1.6	17.5
Rail	13.0	2.3	9.6	2.4	12.3	3.2	10.6
Water	25.6	.7	26.6	1.0	33.4	2.2	16.9
Shallow draft	29.3	.7	31.1	.9	36.1	2.2	17.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**35.7**	**.9**	**48.3**	**.8**	**36.5**	**1.5**	**14.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	46.0	–	20.9
Truck and rail	30.8	.6	34.3	.2	37.2	1.0	15.4
Truck and water	S	S	S	S	S	S	21.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.3**	**.6**	**S**	**S**	**46.4**	**.7**	**32.5**
SCTG 43, MIXED FREIGHT							
Total	**13.7**	**–**	**15.2**	**–**	**10.8**	**–**	**9.9**
Single modes	**14.0**	**.9**	**15.5**	**.9**	**11.0**	**1.5**	**9.3**
Truck	14.0	.9	15.5	.9	11.0	1.5	9.2
For-hire truck	12.6	2.3	11.4	2.2	13.2	3.9	12.8
Private truck	16.1	2.3	17.9	2.1	14.3	3.6	9.4
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	17.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**36.1**	**.5**	**S**	**S**	**S**	**S**	**21.3**
Parcel, U.S. Postal Service or courier	37.3	.5	S	S	S	S	21.3
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**36.0**	**.7**	**49.3**	**.9**	**47.7**	**.9**	**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	**14.0**	**–**	**S**	**S**	**S**	**S**	**13.2**
Single modes	**14.8**	**2.2**	**S**	**S**	**S**	**S**	**21.0**
Truck	15.5	2.9	S	S	S	S	8.8
For-hire truck	19.7	4.3	18.4	6.4	19.4	8.0	8.1
Private truck	29.2	5.2	S	S	S	S	14.6
Rail	36.0	.9	39.3	2.5	43.5	4.5	17.7
Water	S	S	S	S	S	S	22.2
Shallow draft	S	S	S	S	S	S	22.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	40.0	.3	43.1	–	40.1	–	13.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**22.4**	**1.6**	**S**	**S**	**S**	**S**	**8.2**
Parcel, U.S. Postal Service or courier	16.8	1.5	22.7	.2	22.8	.5	8.2
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**27.3**	**1.6**	**S**	**S**	**39.7**	**1.6**	**24.5**

– 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–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	**2.1**	**3.0**	**4.7**
Less than 50 miles	2.5	3.4	2.8
50 to 99 miles	6.2	6.1	6.3
100 to 249 miles	3.9	4.6	5.6
250 to 499 miles	3.6	6.6	6.3
500 to 749 miles	2.0	6.9	7.8
750 to 999 miles	2.7	9.8	9.2
1,000 to 1,499 miles	8.1	12.6	15.0
1,500 to 1,999 miles	6.6	6.1	6.9
2,000 miles or more	5.4	6.0	6.0
SCTG 01, Live animals and live fish	**19.2**	**30.9**	**25.0**
Less than 50 miles	23.6	37.2	31.8
50 to 99 miles	28.6	S	S
100 to 249 miles	49.6	S	S
250 to 499 miles	23.3	28.1	30.5
500 to 749 miles	42.4	45.8	48.3
750 to 999 miles	43.0	42.6	41.8
1,000 to 1,499 miles	31.1	31.0	31.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**24.0**	**21.1**	**21.2**
Less than 50 miles	31.8	27.8	30.3
50 to 99 miles	22.5	23.7	22.5
100 to 249 miles	17.8	15.6	15.1
250 to 499 miles	16.4	17.7	19.0
500 to 749 miles	39.0	32.1	32.5
750 to 999 miles	38.0	S	S
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 03, Other agricultural products	**7.4**	**13.1**	**13.9**
Less than 50 miles	9.8	17.7	19.9
50 to 99 miles	8.9	13.7	17.6
100 to 249 miles	15.9	24.4	33.1
250 to 499 miles	14.2	22.8	23.7
500 to 749 miles	16.1	34.2	34.3
750 to 999 miles	18.4	36.0	35.7
1,000 to 1,499 miles	13.7	21.7	21.1
1,500 to 1,999 miles	29.8	32.8	31.2
2,000 miles or more	42.3	26.7	26.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	**11.3**	**6.5**	**9.3**
Less than 50 miles	8.7	8.5	9.8
50 to 99 miles	39.5	16.8	16.4
100 to 249 miles	24.0	9.7	9.4
250 to 499 miles	14.2	13.5	13.7
500 to 749 miles	21.8	26.6	28.4
750 to 999 miles	38.1	27.5	27.8
1,000 to 1,499 miles	15.9	21.4	21.3
1,500 to 1,999 miles	48.0	30.2	30.8
2,000 miles or more	S	38.3	38.9
SCTG 05, Meat, fish, seafood, and their preparations	**4.4**	**5.4**	**7.3**
Less than 50 miles	7.9	9.0	8.7
50 to 99 miles	8.8	8.5	8.4
100 to 249 miles	6.5	5.8	5.8
250 to 499 miles	7.8	9.0	8.6
500 to 749 miles	7.3	7.8	7.9
750 to 999 miles	13.1	10.1	10.3
1,000 to 1,499 miles	13.7	17.9	15.9
1,500 to 1,999 miles	14.4	11.9	11.5
2,000 miles or more	17.7	20.2	20.6
SCTG 06, Milled grain products and preparations, and bakery products	**11.4**	**6.8**	**7.3**
Less than 50 miles	10.8	9.6	11.1
50 to 99 miles	10.0	9.1	9.0
100 to 249 miles	24.8	9.8	9.6
250 to 499 miles	14.3	16.5	14.5
500 to 749 miles	12.3	8.4	8.5
750 to 999 miles	8.3	8.7	9.7
1,000 to 1,499 miles	15.7	13.9	13.9
1,500 to 1,999 miles	18.7	18.9	19.1
2,000 miles or more	26.2	27.6	27.1
SCTG 07, Other prepared foodstuffs and fats and oils	**6.9**	**5.7**	**6.7**
Less than 50 miles	6.3	6.5	7.5
50 to 99 miles	20.4	10.7	11.3
100 to 249 miles	17.5	11.4	11.0
250 to 499 miles	5.9	7.9	8.1
500 to 749 miles	7.8	11.8	12.6
750 to 999 miles	7.8	13.2	13.2
1,000 to 1,499 miles	10.9	19.9	19.4
1,500 to 1,999 miles	10.6	22.9	26.8
2,000 miles or more	12.5	14.1	14.7

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 08, Alcoholic beverages	**4.2**	**5.8**	**14.7**
Less than 50 miles	3.7	4.3	4.8
50 to 99 miles	8.9	10.5	10.2
100 to 249 miles	10.5	13.3	13.4
250 to 499 miles	18.3	17.2	16.7
500 to 749 miles	18.8	22.4	24.8
750 to 999 miles	21.9	29.2	28.7
1,000 to 1,499 miles	40.1	26.9	26.8
1,500 to 1,999 miles	28.9	37.0	36.8
2,000 miles or more	44.6	44.1	45.0
SCTG 09, Tobacco products	**17.7**	**29.8**	**23.8**
Less than 50 miles	29.6	44.6	47.0
50 to 99 miles	14.5	18.9	18.7
100 to 249 miles	16.5	19.5	18.5
250 to 499 miles	22.0	18.4	18.5
500 to 749 miles	21.7	20.9	20.9
750 to 999 miles	27.6	26.2	26.7
1,000 to 1,499 miles	44.8	44.4	46.3
1,500 to 1,999 miles	39.1	37.8	38.4
2,000 miles or more	39.1	43.2	44.1
SCTG 10, Monumental or building stone	**20.1**	**23.9**	**18.9**
Less than 50 miles	27.1	31.2	27.6
50 to 99 miles	36.6	35.6	38.9
100 to 249 miles	42.7	31.9	32.6
250 to 499 miles	37.8	25.8	25.0
500 to 749 miles	31.3	24.8	25.4
750 to 999 miles	41.6	34.0	32.7
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 11, Natural sands	**11.3**	**15.4**	**16.3**
Less than 50 miles	18.1	15.9	13.6
50 to 99 miles	17.1	36.9	36.8
100 to 249 miles	17.6	26.1	31.9
250 to 499 miles	23.9	30.0	30.3
500 to 749 miles	36.1	31.9	34.2
750 to 999 miles	38.4	37.4	39.9
1,000 to 1,499 miles	37.9	30.9	32.5
1,500 to 1,999 miles	40.0	S	S
2,000 miles or more	47.0	48.0	47.6
SCTG 12, Gravel and crushed stone	**8.6**	**8.2**	**9.0**
Less than 50 miles	8.9	10.0	11.0
50 to 99 miles	13.1	14.5	14.2
100 to 249 miles	9.7	11.7	12.0
250 to 499 miles	16.9	22.6	23.1
500 to 749 miles	S	43.1	46.4
750 to 999 miles	35.7	34.3	34.2
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.	**12.4**	**19.4**	**20.2**
Less than 50 miles	10.6	28.5	31.0
50 to 99 miles	28.9	29.6	24.3
100 to 249 miles	34.9	15.7	23.9
250 to 499 miles	28.4	10.9	10.4
500 to 749 miles	12.6	46.6	S
750 to 999 miles	10.3	16.0	17.1
1,000 to 1,499 miles	18.5	21.4	21.2
1,500 to 1,999 miles	21.1	34.6	33.3
2,000 miles or more	28.1	36.1	37.1
SCTG 14, Metallic ores and concentrates	**21.7**	**30.2**	**34.4**
Less than 50 miles	46.9	34.1	40.2
50 to 99 miles	35.9	S	S
100 to 249 miles	27.9	46.5	37.3
250 to 499 miles	29.8	28.5	29.5
500 to 749 miles	20.2	36.0	40.0
750 to 999 miles	28.9	41.2	42.2
1,000 to 1,499 miles	26.1	45.7	47.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	43.5	S	S
SCTG 15, Coal	**8.0**	**8.0**	**10.7**
Less than 50 miles	12.9	11.4	14.0
50 to 99 miles	20.5	21.5	29.5
100 to 249 miles	11.9	12.9	13.3
250 to 499 miles	11.5	12.5	12.3
500 to 749 miles	23.8	26.6	29.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	47.1	S	S
2,000 miles or more	S	S	S

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	**4.7**	**10.7**	**26.0**
Less than 50 miles	6.0	11.7	7.2
50 to 99 miles	17.5	21.6	20.7
100 to 249 miles	10.3	12.0	12.7
250 to 499 miles	29.6	32.1	27.0
500 to 749 miles	28.0	39.6	41.0
750 to 999 miles	31.2	38.5	38.6
1,000 to 1,499 miles	44.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**9.3**	**10.4**	**18.4**
Less than 50 miles	13.2	15.3	21.9
50 to 99 miles	14.7	19.0	22.2
100 to 249 miles	21.0	18.5	20.7
250 to 499 miles	28.3	28.9	S
500 to 749 miles	33.5	33.4	31.5
750 to 999 miles	S	S	S
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 19, Coal and petroleum products, n.e.c.	**7.8**	**8.5**	**8.7**
Less than 50 miles	10.4	12.2	14.1
50 to 99 miles	13.0	19.5	22.6
100 to 249 miles	12.1	13.9	14.8
250 to 499 miles	13.4	13.4	17.2
500 to 749 miles	24.7	24.3	22.8
750 to 999 miles	18.8	13.5	15.2
1,000 to 1,499 miles	18.4	25.4	28.4
1,500 to 1,999 miles	24.3	27.8	27.1
2,000 miles or more	42.4	45.4	45.4
SCTG 20, Basic chemicals	**17.8**	**10.5**	**17.6**
Less than 50 miles	16.5	8.7	9.6
50 to 99 miles	9.5	9.7	10.6
100 to 249 miles	9.3	12.2	13.5
250 to 499 miles	35.8	29.4	25.0
500 to 749 miles	7.2	10.7	12.0
750 to 999 miles	10.9	20.5	22.7
1,000 to 1,499 miles	S	44.8	43.1
1,500 to 1,999 miles	13.8	10.7	11.1
2,000 miles or more	22.3	30.9	30.2
SCTG 21, Pharmaceutical products	**9.2**	**19.3**	**33.4**
Less than 50 miles	22.0	38.9	28.9
50 to 99 miles	12.0	20.5	21.3
100 to 249 miles	9.4	12.5	12.0
250 to 499 miles	13.8	34.0	35.6
500 to 749 miles	14.6	41.0	40.4
750 to 999 miles	15.2	30.1	29.6
1,000 to 1,499 miles	19.2	22.8	23.9
1,500 to 1,999 miles	26.3	28.8	28.1
2,000 miles or more	19.1	S	S
SCTG 22, Fertilizers	**7.3**	**11.8**	**9.8**
Less than 50 miles	11.5	18.0	23.0
50 to 99 miles	16.7	8.3	8.8
100 to 249 miles	12.0	10.8	11.8
250 to 499 miles	9.5	12.4	11.5
500 to 749 miles	15.3	15.1	17.8
750 to 999 miles	17.1	19.0	22.5
1,000 to 1,499 miles	25.5	23.9	24.5
1,500 to 1,999 miles	33.0	35.2	35.7
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**5.5**	**7.0**	**12.1**
Less than 50 miles	5.4	8.0	6.6
50 to 99 miles	8.8	11.3	10.8
100 to 249 miles	14.4	11.6	13.2
250 to 499 miles	8.8	13.1	13.7
500 to 749 miles	7.5	8.3	8.5
750 to 999 miles	6.8	9.2	9.7
1,000 to 1,499 miles	10.9	16.8	17.6
1,500 to 1,999 miles	19.5	35.4	33.0
2,000 miles or more	19.1	16.3	17.3
SCTG 24, Plastics and rubber	**3.7**	**4.6**	**6.5**
Less than 50 miles	5.0	10.2	13.3
50 to 99 miles	5.5	8.1	8.5
100 to 249 miles	5.2	7.8	7.7
250 to 499 miles	7.9	6.3	6.2
500 to 749 miles	5.0	6.6	7.0
750 to 999 miles	5.3	10.4	10.7
1,000 to 1,499 miles	5.7	8.6	8.8
1,500 to 1,999 miles	7.5	10.0	10.6
2,000 miles or more	13.9	18.7	18.5

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 25, Logs and other wood in the rough	**9.5**	**14.6**	**18.5**
Less than 50 miles	12.9	17.9	14.8
50 to 99 miles	21.3	33.2	32.3
100 to 249 miles	19.6	38.7	43.1
250 to 499 miles	22.1	33.7	32.9
500 to 749 miles	33.9	S	S
750 to 999 miles	33.7	S	S
1,000 to 1,499 miles	41.3	S	S
1,500 to 1,999 miles	45.1	44.8	44.3
2,000 miles or more	43.1	44.3	43.1
SCTG 26, Wood products	**7.0**	**13.1**	**17.0**
Less than 50 miles	4.7	13.5	12.8
50 to 99 miles	5.4	18.6	18.7
100 to 249 miles	13.7	23.0	27.2
250 to 499 miles	9.8	17.9	15.1
500 to 749 miles	8.9	13.5	13.9
750 to 999 miles	12.6	24.6	24.5
1,000 to 1,499 miles	10.9	22.9	24.1
1,500 to 1,999 miles	11.5	9.6	9.5
2,000 miles or more	14.7	12.2	12.1
SCTG 27, Pulp, newsprint, paper, and paperboard	**5.7**	**4.2**	**5.3**
Less than 50 miles	11.3	7.7	9.3
50 to 99 miles	6.3	8.0	8.2
100 to 249 miles	10.4	8.5	8.8
250 to 499 miles	6.4	6.0	6.6
500 to 749 miles	5.7	5.1	5.0
750 to 999 miles	9.3	11.6	12.1
1,000 to 1,499 miles	8.9	9.2	9.4
1,500 to 1,999 miles	12.8	12.1	12.1
2,000 miles or more	15.9	15.8	16.0
SCTG 28, Paper or paperboard articles	**5.1**	**4.8**	**7.3**
Less than 50 miles	5.9	6.5	6.6
50 to 99 miles	5.5	8.4	8.2
100 to 249 miles	11.5	5.6	5.1
250 to 499 miles	10.4	8.4	8.2
500 to 749 miles	9.1	9.4	9.6
750 to 999 miles	15.4	12.2	12.2
1,000 to 1,499 miles	15.5	15.1	15.0
1,500 to 1,999 miles	14.2	17.0	19.0
2,000 miles or more	15.1	22.0	21.3
SCTG 29, Printed products	**4.8**	**8.8**	**6.5**
Less than 50 miles	6.6	13.5	10.8
50 to 99 miles	4.8	9.8	9.9
100 to 249 miles	15.3	8.0	9.0
250 to 499 miles	11.3	11.4	10.9
500 to 749 miles	8.8	13.3	12.9
750 to 999 miles	7.6	8.2	8.2
1,000 to 1,499 miles	17.9	12.8	13.5
1,500 to 1,999 miles	11.4	22.0	21.5
2,000 miles or more	11.5	17.9	17.5
SCTG 30, Textiles, leather, and articles of textiles or leather	**10.2**	**5.8**	**7.5**
Less than 50 miles	14.3	8.7	8.9
50 to 99 miles	44.3	7.2	7.2
100 to 249 miles	14.3	8.3	8.8
250 to 499 miles	8.4	10.1	9.2
500 to 749 miles	7.4	9.6	9.3
750 to 999 miles	5.5	8.2	8.2
1,000 to 1,499 miles	10.5	9.6	9.6
1,500 to 1,999 miles	21.8	19.4	20.2
2,000 miles or more	7.1	12.6	13.4
SCTG 31, Nonmetallic mineral products	**3.8**	**4.8**	**4.7**
Less than 50 miles	4.4	6.6	6.6
50 to 99 miles	4.6	11.0	10.4
100 to 249 miles	8.4	7.0	5.9
250 to 499 miles	5.5	6.9	7.2
500 to 749 miles	8.6	7.5	7.2
750 to 999 miles	9.3	9.3	9.4
1,000 to 1,499 miles	8.6	13.2	13.1
1,500 to 1,999 miles	22.0	24.3	25.5
2,000 miles or more	10.9	30.2	31.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**3.8**	**9.5**	**7.6**
Less than 50 miles	6.5	13.8	13.7
50 to 99 miles	8.2	13.8	14.4
100 to 249 miles	5.9	11.9	12.8
250 to 499 miles	5.1	10.2	11.5
500 to 749 miles	6.7	11.4	11.9
750 to 999 miles	9.9	10.9	13.2
1,000 to 1,499 miles	11.3	11.5	11.7
1,500 to 1,999 miles	15.1	27.6	30.9
2,000 miles or more	21.6	23.3	23.0

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	**3.0**	**7.9**	**10.5**
Less than 50 miles	3.3	8.8	7.8
50 to 99 miles	6.6	16.5	17.6
100 to 249 miles	4.7	10.7	11.1
250 to 499 miles	6.8	11.5	11.5
500 to 749 miles	6.0	17.4	17.3
750 to 999 miles	6.2	11.8	15.2
1,000 to 1,499 miles	8.1	12.8	13.1
1,500 to 1,999 miles	14.3	20.7	22.4
2,000 miles or more	10.7	28.1	27.8
SCTG 34, Machinery	**4.8**	**3.8**	**4.3**
Less than 50 miles	5.9	7.9	12.0
50 to 99 miles	13.3	16.3	17.0
100 to 249 miles	8.9	10.5	8.1
250 to 499 miles	13.8	10.6	11.5
500 to 749 miles	5.4	5.5	5.5
750 to 999 miles	10.4	9.1	9.0
1,000 to 1,499 miles	10.0	9.6	9.7
1,500 to 1,999 miles	8.5	11.5	11.5
2,000 miles or more	20.6	14.8	14.3
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9.6**	**8.0**	**8.1**
Less than 50 miles	15.6	14.6	21.7
50 to 99 miles	10.7	14.6	17.7
100 to 249 miles	18.2	16.0	17.2
250 to 499 miles	22.2	8.0	7.8
500 to 749 miles	10.0	11.5	11.3
750 to 999 miles	9.2	14.3	15.0
1,000 to 1,499 miles	18.3	12.7	13.3
1,500 to 1,999 miles	18.8	19.2	18.4
2,000 miles or more	11.0	11.0	10.5
SCTG 36, Motorized and other vehicles (including parts)	**7.7**	**7.3**	**8.6**
Less than 50 miles	11.0	10.8	16.5
50 to 99 miles	16.5	18.0	17.3
100 to 249 miles	10.6	9.5	9.0
250 to 499 miles	9.0	9.4	10.0
500 to 749 miles	12.6	10.6	11.3
750 to 999 miles	14.4	15.0	15.4
1,000 to 1,499 miles	10.8	9.9	10.6
1,500 to 1,999 miles	18.2	17.1	17.3
2,000 miles or more	22.2	22.3	21.8
SCTG 37, Transportation equipment, n.e.c.	**11.8**	**13.5**	**12.6**
Less than 50 miles	26.3	30.0	40.5
50 to 99 miles	20.0	29.0	37.3
100 to 249 miles	30.8	23.3	23.8
250 to 499 miles	8.0	22.7	25.9
500 to 749 miles	13.4	19.6	20.5
750 to 999 miles	17.9	21.2	22.7
1,000 to 1,499 miles	20.0	20.7	23.1
1,500 to 1,999 miles	47.1	21.6	21.3
2,000 miles or more	20.3	32.3	S
SCTG 38, Precision instruments and apparatus	**19.1**	**16.6**	**19.7**
Less than 50 miles	10.0	11.6	15.5
50 to 99 miles	14.8	S	S
100 to 249 miles	10.6	20.9	17.7
250 to 499 miles	11.9	25.6	18.5
500 to 749 miles	25.2	34.4	33.6
750 to 999 miles	29.2	23.2	22.5
1,000 to 1,499 miles	47.9	26.9	26.5
1,500 to 1,999 miles	25.1	17.3	17.4
2,000 miles or more	24.4	S	49.6
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**10.8**	**8.0**	**6.3**
Less than 50 miles	12.7	16.9	24.7
50 to 99 miles	24.1	17.0	15.1
100 to 249 miles	26.3	19.2	15.6
250 to 499 miles	20.5	11.5	11.9
500 to 749 miles	5.4	7.1	6.8
750 to 999 miles	10.2	8.3	8.1
1,000 to 1,499 miles	12.4	11.9	11.7
1,500 to 1,999 miles	9.7	9.4	9.5
2,000 miles or more	8.5	11.7	12.8
SCTG 40, Miscellaneous manufactured products	**7.6**	**7.5**	**7.4**
Less than 50 miles	6.6	20.9	18.5
50 to 99 miles	14.0	15.4	14.3
100 to 249 miles	17.6	9.8	9.3
250 to 499 miles	8.4	7.7	7.6
500 to 749 miles	9.1	9.3	9.1
750 to 999 miles	14.5	15.1	14.9
1,000 to 1,499 miles	17.2	13.2	13.8
1,500 to 1,999 miles	13.1	13.0	13.1
2,000 miles or more	7.4	23.6	22.7

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 41, Waste and scrap	**5.7**	**6.2**	**7.9**
Less than 50 miles	17.6	11.8	16.4
50 to 99 miles	10.1	14.9	14.4
100 to 249 miles	7.3	10.1	11.9
250 to 499 miles	13.6	14.7	14.0
500 to 749 miles	15.0	22.6	21.4
750 to 999 miles	21.8	15.3	15.3
1,000 to 1,499 miles	23.4	24.1	24.5
1,500 to 1,999 miles	S	45.0	46.4
2,000 miles or more	44.7	S	S
SCTG 43, Mixed freight	**13.7**	**15.2**	**10.8**
Less than 50 miles	18.0	22.1	23.8
50 to 99 miles	15.0	15.8	15.0
100 to 249 miles	16.0	14.1	13.9
250 to 499 miles	29.5	17.4	17.3
500 to 749 miles	22.7	21.4	21.0
750 to 999 miles	19.8	29.6	30.4
1,000 to 1,499 miles	44.7	S	S
1,500 to 1,999 miles	36.9	40.6	42.1
2,000 miles or more	37.2	S	S
Commodity unknown	**14.0**	**S**	**S**
Less than 50 miles	15.5	16.6	14.4
50 to 99 miles	24.9	21.5	21.3
100 to 249 miles	23.6	20.9	21.3
250 to 499 miles	22.1	S	S
500 to 749 miles	22.8	39.3	41.0
750 to 999 miles	21.0	36.6	37.0
1,000 to 1,499 miles	20.5	33.8	34.9
1,500 to 1,999 miles	29.1	44.8	S
2,000 miles 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.

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	**2.1**	**3.0**	**4.7**
Less than 50 lb	4.4	2.3	2.7
50 to 99 lb	4.6	3.9	3.6
100 to 499 lb	4.4	3.0	2.6
500 to 749 lb	3.2	3.4	2.8
750 to 999 lb	4.0	3.0	3.6
1,000 to 9,999 lb	5.1	1.6	2.9
10,000 to 49,999 lb	2.8	3.0	2.7
50,000 to 99,999 lb	6.5	7.2	6.4
100,000 lb or more	4.4	5.4	7.3
SCTG 01, Live animals and live fish	**19.2**	**30.9**	**25.0**
Less than 50 lb	35.1	37.4	S
50 to 99 lb	32.7	39.4	46.5
100 to 499 lb	28.0	S	S
500 to 749 lb	40.2	32.8	40.1
750 to 999 lb	45.4	48.5	S
1,000 to 9,999 lb	37.1	35.4	34.1
10,000 to 49,999 lb	21.9	38.9	24.5
50,000 to 99,999 lb	36.5	34.8	43.4
100,000 lb or more	33.2	45.1	31.2
SCTG 02, Cereal grains	**24.0**	**21.1**	**21.2**
Less than 50 lb	S	S	S
50 to 99 lb	37.7	41.3	32.7
100 to 499 lb	30.3	37.7	32.5
500 to 749 lb	33.2	34.3	31.6
750 to 999 lb	29.2	34.0	36.5
1,000 to 9,999 lb	S	21.0	38.8
10,000 to 49,999 lb	10.3	11.0	23.2
50,000 to 99,999 lb	12.5	11.9	15.7
100,000 lb or more	30.8	27.0	25.4
SCTG 03, Other agricultural products	**7.4**	**13.1**	**13.9**
Less than 50 lb	33.5	25.1	48.7
50 to 99 lb	24.3	20.6	12.0
100 to 499 lb	13.9	19.8	10.0
500 to 749 lb	19.0	21.5	17.1
750 to 999 lb	15.2	21.0	19.6
1,000 to 9,999 lb	11.8	14.8	12.7
10,000 to 49,999 lb	8.0	13.7	22.2
50,000 to 99,999 lb	23.0	23.1	21.9
100,000 lb or more	18.8	20.3	20.0
SCTG 04, Animal feed and products of animal origin, n.e.c.	**11.3**	**6.5**	**9.3**
Less than 50 lb	46.1	S	37.6
50 to 99 lb	S	47.8	46.8
100 to 499 lb	47.1	33.1	30.5
500 to 749 lb	41.6	36.6	22.3
750 to 999 lb	39.9	34.2	24.5
1,000 to 9,999 lb	14.5	15.0	16.6
10,000 to 49,999 lb	16.5	8.2	10.1
50,000 to 99,999 lb	7.3	12.4	12.2
100,000 lb or more	19.0	21.3	27.8
SCTG 05, Meat, fish, seafood, and their preparations	**4.4**	**5.4**	**7.3**
Less than 50 lb	31.0	30.3	47.6
50 to 99 lb	28.8	31.7	36.0
100 to 499 lb	15.4	19.4	13.8
500 to 749 lb	13.0	11.9	11.2
750 to 999 lb	13.4	11.9	9.1
1,000 to 9,999 lb	6.7	8.7	8.9
10,000 to 49,999 lb	5.9	6.4	8.2
50,000 to 99,999 lb	29.0	19.3	21.3
100,000 lb or more	35.8	23.8	20.4
SCTG 06, Milled grain products and preparations, and bakery products	**11.4**	**6.8**	**7.3**
Less than 50 lb	31.5	28.6	29.3
50 to 99 lb	25.8	34.3	21.2
100 to 499 lb	17.5	16.5	17.9
500 to 749 lb	32.8	22.9	25.4
750 to 999 lb	27.5	23.4	24.3
1,000 to 9,999 lb	22.0	14.0	11.6
10,000 to 49,999 lb	11.3	6.9	8.8
50,000 to 99,999 lb	26.0	31.5	24.8
100,000 lb or more	23.0	14.1	14.8
SCTG 07, Other prepared foodstuffs and fats and oils	**6.9**	**5.7**	**6.7**
Less than 50 lb	16.8	15.0	31.3
50 to 99 lb	12.0	20.2	15.3
100 to 499 lb	6.3	9.8	8.7
500 to 749 lb	7.5	10.3	11.7
750 to 999 lb	7.0	10.0	7.7
1,000 to 9,999 lb	5.3	6.8	6.0
10,000 to 49,999 lb	11.0	7.2	7.1
50,000 to 99,999 lb	18.8	16.8	23.2
100,000 lb or more	10.6	10.8	13.1

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	**4.2**	**5.8**	**14.7**
Less than 50 lb	16.1	10.6	12.4
50 to 99 lb	7.6	4.9	7.3
100 to 499 lb	5.0	4.4	5.3
500 to 749 lb	5.4	4.6	5.9
750 to 999 lb	5.2	5.2	6.1
1,000 to 9,999 lb	3.8	4.5	6.4
10,000 to 49,999 lb	10.3	10.8	13.3
50,000 to 99,999 lb	24.3	22.7	27.3
100,000 lb or more	45.8	45.4	S
SCTG 09, Tobacco products	**17.7**	**29.8**	**23.8**
Less than 50 lb	8.7	8.4	22.7
50 to 99 lb	13.9	13.8	17.1
100 to 499 lb	12.8	12.7	14.4
500 to 749 lb	10.9	13.9	24.8
750 to 999 lb	26.5	23.9	35.7
1,000 to 9,999 lb	18.2	13.8	18.4
10,000 to 49,999 lb	22.3	34.9	25.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	46.4	S
SCTG 10, Monumental or building stone	**20.1**	**23.9**	**18.9**
Less than 50 lb	S	49.2	S
50 to 99 lb	39.9	34.8	41.5
100 to 499 lb	37.0	37.4	45.0
500 to 749 lb	33.0	28.2	39.1
750 to 999 lb	S	33.2	35.2
1,000 to 9,999 lb	24.0	18.8	23.1
10,000 to 49,999 lb	25.9	30.2	19.5
50,000 to 99,999 lb	S	S	48.1
100,000 lb or more	S	S	40.6
SCTG 11, Natural sands	**11.3**	**15.4**	**16.3**
Less than 50 lb	S	S	S
50 to 99 lb	S	32.6	S
100 to 499 lb	42.0	26.3	34.8
500 to 749 lb	38.4	31.9	42.9
750 to 999 lb	S	49.5	S
1,000 to 9,999 lb	26.0	18.3	22.1
10,000 to 49,999 lb	17.5	19.9	10.7
50,000 to 99,999 lb	15.9	28.8	31.3
100,000 lb or more	22.5	27.7	27.8
SCTG 12, Gravel and crushed stone	**8.6**	**8.2**	**9.0**
Less than 50 lb	S	S	46.0
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	38.7	S	S
750 to 999 lb	28.0	32.7	31.8
1,000 to 9,999 lb	20.2	15.0	20.1
10,000 to 49,999 lb	7.2	8.0	9.8
50,000 to 99,999 lb	24.2	27.3	18.9
100,000 lb or more	8.4	11.0	17.8
SCTG 13, Nonmetallic minerals n.e.c.	**12.4**	**19.4**	**20.2**
Less than 50 lb	33.7	26.1	38.9
50 to 99 lb	S	42.7	S
100 to 499 lb	39.0	26.4	40.3
500 to 749 lb	38.4	35.8	42.3
750 to 999 lb	45.6	28.3	36.8
1,000 to 9,999 lb	26.7	23.8	22.4
10,000 to 49,999 lb	22.8	38.6	12.7
50,000 to 99,999 lb	14.7	28.6	15.5
100,000 lb or more	8.7	15.2	26.1
SCTG 14, Metallic ores and concentrates	**21.7**	**30.2**	**34.4**
Less than 50 lb	S	23.9	38.6
50 to 99 lb	40.6	44.4	S
100 to 499 lb	47.3	29.6	43.4
500 to 749 lb	45.1	S	42.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	21.7	38.1	27.5
10,000 to 49,999 lb	28.2	43.9	43.4
50,000 to 99,999 lb	40.8	48.2	41.1
100,000 lb or more	49.2	46.3	35.5
SCTG 15, Coal	**8.0**	**8.0**	**10.7**
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	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	24.3	33.4
10,000 to 49,999 lb	19.6	21.1	29.1
50,000 to 99,999 lb	31.5	29.4	35.2
100,000 lb or more	7.6	7.7	11.0

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	**4.7**	**10.7**	**26.0**
Less than 50 lb	47.2	44.5	39.9
50 to 99 lb	23.3	23.0	24.8
100 to 499 lb	31.3	27.2	28.5
500 to 749 lb	41.3	27.2	29.6
750 to 999 lb	31.2	21.5	28.0
1,000 to 9,999 lb	13.7	15.5	18.4
10,000 to 49,999 lb	12.5	16.7	22.6
50,000 to 99,999 lb	6.4	8.6	13.6
100,000 lb or more	8.2	18.4	29.9
SCTG 18, Fuel oils	**9.3**	**10.4**	**18.4**
Less than 50 lb	S	30.8	38.9
50 to 99 lb	S	28.1	31.0
100 to 499 lb	24.3	11.8	12.1
500 to 749 lb	21.1	9.6	19.0
750 to 999 lb	22.4	13.1	12.5
1,000 to 9,999 lb	11.5	11.2	15.6
10,000 to 49,999 lb	13.0	13.5	14.8
50,000 to 99,999 lb	8.5	7.8	10.1
100,000 lb or more	15.1	16.1	22.3
SCTG 19, Coal and petroleum products, n.e.c.	**7.8**	**8.5**	**8.7**
Less than 50 lb	23.0	14.1	37.6
50 to 99 lb	20.1	17.3	49.2
100 to 499 lb	14.8	17.5	43.6
500 to 749 lb	14.9	21.2	22.6
750 to 999 lb	20.1	25.6	S
1,000 to 9,999 lb	15.1	16.5	S
10,000 to 49,999 lb	10.9	18.5	22.5
50,000 to 99,999 lb	16.4	14.2	15.1
100,000 lb or more	11.0	10.1	11.1
SCTG 20, Basic chemicals	**17.8**	**10.5**	**17.6**
Less than 50 lb	20.6	18.6	24.9
50 to 99 lb	21.8	27.2	33.4
100 to 499 lb	14.5	23.1	15.1
500 to 749 lb	17.0	25.8	28.9
750 to 999 lb	23.0	29.9	22.5
1,000 to 9,999 lb	16.8	14.0	33.5
10,000 to 49,999 lb	21.7	15.7	27.1
50,000 to 99,999 lb	18.4	11.0	16.3
100,000 lb or more	17.2	10.1	15.8
SCTG 21, Pharmaceutical products	**9.2**	**19.3**	**33.4**
Less than 50 lb	11.4	10.3	13.7
50 to 99 lb	12.9	8.8	18.9
100 to 499 lb	11.0	12.3	34.3
500 to 749 lb	28.1	18.5	37.6
750 to 999 lb	23.8	24.2	29.7
1,000 to 9,999 lb	17.0	15.2	20.2
10,000 to 49,999 lb	17.7	28.8	40.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**7.3**	**11.8**	**9.8**
Less than 50 lb	S	S	S
50 to 99 lb	48.4	26.4	38.6
100 to 499 lb	32.2	22.3	35.7
500 to 749 lb	21.0	27.2	24.2
750 to 999 lb	20.8	20.2	28.3
1,000 to 9,999 lb	14.8	14.5	18.9
10,000 to 49,999 lb	16.3	9.1	15.5
50,000 to 99,999 lb	17.0	17.0	13.7
100,000 lb or more	8.9	15.2	11.9
SCTG 23, Chemical products and preparations, n.e.c.	**5.5**	**7.0**	**12.1**
Less than 50 lb	14.2	12.7	15.6
50 to 99 lb	7.6	9.3	11.1
100 to 499 lb	5.7	20.3	9.6
500 to 749 lb	8.0	7.3	9.5
750 to 999 lb	11.2	14.4	13.7
1,000 to 9,999 lb	5.5	6.4	8.1
10,000 to 49,999 lb	8.5	8.9	13.0
50,000 to 99,999 lb	16.6	20.3	26.0
100,000 lb or more	26.6	18.0	18.5
SCTG 24, Plastics and rubber	**3.7**	**4.6**	**6.5**
Less than 50 lb	5.8	6.5	11.3
50 to 99 lb	6.6	6.6	8.2
100 to 499 lb	5.2	7.9	7.7
500 to 749 lb	7.6	11.6	10.6
750 to 999 lb	6.2	6.0	7.9
1,000 to 9,999 lb	4.4	5.8	5.7
10,000 to 49,999 lb	6.0	6.9	7.7
50,000 to 99,999 lb	15.2	14.3	21.8
100,000 lb or more	6.5	8.4	9.1

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	**9.5**	**14.6**	**18.5**
Less than 50 lb	S	S	S
50 to 99 lb	S	47.3	S
100 to 499 lb	44.5	31.9	S
500 to 749 lb	42.0	S	S
750 to 999 lb	S	32.3	S
1,000 to 9,999 lb	24.0	35.3	21.1
10,000 to 49,999 lb	11.3	14.9	17.2
50,000 to 99,999 lb	12.3	18.1	20.5
100,000 lb or more	24.2	33.9	47.8
SCTG 26, Wood products	**7.0**	**13.1**	**17.0**
Less than 50 lb	17.8	16.2	28.8
50 to 99 lb	13.9	10.6	23.6
100 to 499 lb	10.3	8.9	13.4
500 to 749 lb	9.9	10.9	11.1
750 to 999 lb	9.0	13.4	13.1
1,000 to 9,999 lb	4.6	6.9	7.3
10,000 to 49,999 lb	7.7	12.9	11.8
50,000 to 99,999 lb	7.1	22.3	12.9
100,000 lb or more	24.6	25.5	29.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**5.7**	**4.2**	**5.3**
Less than 50 lb	9.3	8.5	15.7
50 to 99 lb	9.4	10.9	24.3
100 to 499 lb	10.9	10.3	20.2
500 to 749 lb	12.2	10.6	16.9
750 to 999 lb	9.9	8.6	21.0
1,000 to 9,999 lb	8.5	9.1	12.1
10,000 to 49,999 lb	8.3	5.7	6.6
50,000 to 99,999 lb	14.2	15.8	15.0
100,000 lb or more	4.4	6.0	7.4
SCTG 28, Paper or paperboard articles	**5.1**	**4.8**	**7.3**
Less than 50 lb	10.6	6.9	15.3
50 to 99 lb	9.4	11.0	23.9
100 to 499 lb	7.0	6.8	11.4
500 to 749 lb	11.6	9.2	16.7
750 to 999 lb	11.8	9.0	11.9
1,000 to 9,999 lb	5.9	6.3	8.1
10,000 to 49,999 lb	7.5	5.6	7.7
50,000 to 99,999 lb	25.2	21.5	33.1
100,000 lb or more	30.1	24.4	30.5
SCTG 29, Printed products	**4.8**	**8.8**	**6.5**
Less than 50 lb	8.0	10.4	11.9
50 to 99 lb	13.0	9.9	14.0
100 to 499 lb	14.5	11.6	15.2
500 to 749 lb	8.9	18.5	10.5
750 to 999 lb	10.7	21.5	10.1
1,000 to 9,999 lb	6.6	7.5	7.3
10,000 to 49,999 lb	6.8	12.9	10.4
50,000 to 99,999 lb	23.5	32.5	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**10.2**	**5.8**	**7.5**
Less than 50 lb	6.7	5.5	5.8
50 to 99 lb	6.2	6.1	7.8
100 to 499 lb	5.6	5.3	6.4
500 to 749 lb	6.2	6.7	9.7
750 to 999 lb	11.7	7.9	9.1
1,000 to 9,999 lb	27.9	6.9	9.1
10,000 to 49,999 lb	7.1	6.4	10.7
50,000 to 99,999 lb	45.1	40.5	28.1
100,000 lb or more	19.7	23.3	39.0
SCTG 31, Nonmetallic mineral products	**3.8**	**4.8**	**4.7**
Less than 50 lb	18.4	26.9	13.3
50 to 99 lb	12.4	10.5	15.3
100 to 499 lb	9.4	8.9	12.4
500 to 749 lb	11.9	10.5	15.3
750 to 999 lb	18.0	13.9	20.8
1,000 to 9,999 lb	13.8	6.5	7.7
10,000 to 49,999 lb	4.4	5.8	6.2
50,000 to 99,999 lb	7.5	8.1	8.3
100,000 lb or more	14.0	28.0	12.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**3.8**	**9.5**	**7.6**
Less than 50 lb	18.0	8.5	11.8
50 to 99 lb	10.3	8.0	11.4
100 to 499 lb	6.3	6.9	11.6
500 to 749 lb	6.8	5.7	9.7
750 to 999 lb	11.0	6.8	9.5
1,000 to 9,999 lb	4.1	7.0	7.7
10,000 to 49,999 lb	4.1	6.0	5.9
50,000 to 99,999 lb	11.5	14.6	16.1
100,000 lb or more	19.4	27.8	15.6

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	**3.0**	**7.9**	**10.5**
Less than 50 lb	8.4	6.7	8.9
50 to 99 lb	9.5	6.5	12.2
100 to 499 lb	6.2	4.8	7.7
500 to 749 lb	6.4	4.9	6.6
750 to 999 lb	9.7	6.9	14.5
1,000 to 9,999 lb	4.4	4.2	3.3
10,000 to 49,999 lb	4.8	9.6	11.6
50,000 to 99,999 lb	31.8	24.6	31.2
100,000 lb or more	23.2	19.5	22.6
SCTG 34, Machinery	**4.8**	**3.8**	**4.3**
Less than 50 lb	5.9	7.6	7.9
50 to 99 lb	7.5	10.7	14.0
100 to 499 lb	4.7	5.8	6.7
500 to 749 lb	8.3	5.9	7.5
750 to 999 lb	10.9	8.1	12.0
1,000 to 9,999 lb	7.4	6.3	5.3
10,000 to 49,999 lb	10.1	6.8	7.0
50,000 to 99,999 lb	33.4	13.8	19.1
100,000 lb or more	33.6	19.3	30.4
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9.6**	**8.0**	**8.1**
Less than 50 lb	7.1	4.4	6.5
50 to 99 lb	16.0	8.6	14.4
100 to 499 lb	16.1	11.0	21.7
500 to 749 lb	14.8	17.3	12.2
750 to 999 lb	13.1	17.5	24.6
1,000 to 9,999 lb	19.0	12.7	11.3
10,000 to 49,999 lb	20.0	7.8	10.0
50,000 to 99,999 lb	31.8	44.7	S
100,000 lb or more	23.4	S	24.0
SCTG 36, Motorized and other vehicles (including parts)	**7.7**	**7.3**	**8.6**
Less than 50 lb	7.0	7.1	7.9
50 to 99 lb	9.1	8.7	7.3
100 to 499 lb	10.1	7.6	8.2
500 to 749 lb	14.8	8.1	13.3
750 to 999 lb	18.1	16.3	12.9
1,000 to 9,999 lb	13.2	12.2	18.5
10,000 to 49,999 lb	7.6	8.9	8.3
50,000 to 99,999 lb	34.4	20.2	27.4
100,000 lb or more	S	30.0	45.9
SCTG 37, Transportation equipment, n.e.c.	**11.8**	**13.5**	**12.6**
Less than 50 lb	18.8	22.4	25.6
50 to 99 lb	30.7	16.3	20.5
100 to 499 lb	13.8	17.2	16.6
500 to 749 lb	17.9	15.1	14.0
750 to 999 lb	44.2	14.2	18.5
1,000 to 9,999 lb	18.7	14.2	13.5
10,000 to 49,999 lb	22.9	20.4	14.1
50,000 to 99,999 lb	35.0	41.4	46.3
100,000 lb or more	27.1	28.2	30.1
SCTG 38, Precision instruments and apparatus	**19.1**	**16.6**	**19.7**
Less than 50 lb	34.8	26.4	37.3
50 to 99 lb	18.4	21.3	29.8
100 to 499 lb	8.3	10.3	12.7
500 to 749 lb	19.0	13.5	14.5
750 to 999 lb	16.4	18.3	24.3
1,000 to 9,999 lb	16.3	18.2	39.8
10,000 to 49,999 lb	21.2	47.2	36.3
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	**10.8**	**8.0**	**6.3**
Less than 50 lb	12.3	13.3	16.2
50 to 99 lb	10.2	9.2	11.0
100 to 499 lb	10.3	5.8	5.7
500 to 749 lb	8.9	6.6	5.9
750 to 999 lb	8.7	8.5	10.4
1,000 to 9,999 lb	18.7	12.6	7.0
10,000 to 49,999 lb	19.7	12.3	11.2
50,000 to 99,999 lb	38.2	42.6	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**7.6**	**7.5**	**7.4**
Less than 50 lb	21.6	5.5	9.0
50 to 99 lb	8.2	7.3	9.1
100 to 499 lb	4.7	5.8	12.1
500 to 749 lb	9.1	4.8	7.8
750 to 999 lb	6.9	7.7	8.8
1,000 to 9,999 lb	5.2	6.9	5.9
10,000 to 49,999 lb	14.7	10.6	10.7
50,000 to 99,999 lb	18.4	27.1	15.9
100,000 lb or more	25.4	18.6	20.4

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 41, Waste and scrap	**5.7**	**6.2**	**7.9**
Less than 50 lb	37.8	S	S
50 to 99 lb	S	S	S
100 to 499 lb	33.3	38.3	36.7
500 to 749 lb	S	S	47.4
750 to 999 lb	S	S	47.5
1,000 to 9,999 lb	S	37.2	22.4
10,000 to 49,999 lb	6.9	9.0	11.7
50,000 to 99,999 lb	15.7	15.5	13.0
100,000 lb or more	12.2	9.2	12.7
SCTG 43, Mixed freight	**13.7**	**15.2**	**10.8**
Less than 50 lb	21.5	21.8	41.0
50 to 99 lb	17.8	19.3	37.4
100 to 499 lb	12.0	12.6	19.2
500 to 749 lb	10.4	11.2	15.1
750 to 999 lb	11.7	11.3	17.0
1,000 to 9,999 lb	9.8	6.6	11.8
10,000 to 49,999 lb	21.1	21.5	16.6
50,000 to 99,999 lb	27.0	25.4	34.3
100,000 lb or more	43.8	36.1	S
Commodity unknown	**14.0**	**S**	**S**
Less than 50 lb	16.9	12.2	19.3
50 to 99 lb	20.6	18.6	37.7
100 to 499 lb	13.4	17.0	31.5
500 to 749 lb	36.2	32.5	15.5
750 to 999 lb	23.5	21.2	23.6
1,000 to 9,999 lb	16.0	22.8	25.3
10,000 to 49,999 lb	23.5	22.1	24.1
50,000 to 99,999 lb	35.8	S	S
100,000 lb or more	33.4	39.3	47.3

– 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–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	**2.1**	**3.0**	**4.7**	**2.8**	**2.5**	**3.4**	**2.8**	**6.2**	**6.1**	**6.3**
Less than 50 lb	4.4	2.3	2.7	3.2	3.1	3.6	4.5	5.4	5.0	5.2
50 to 99 lb	4.6	3.9	3.6	4.0	6.9	6.1	6.1	8.0	6.1	6.6
100 to 499 lb	4.4	3.0	2.6	4.5	3.3	4.4	3.9	3.2	4.0	3.8
500 to 749 lb	3.2	3.4	2.8	3.9	3.9	5.5	5.9	4.1	5.0	4.9
750 to 999 lb	4.0	3.0	3.6	3.3	4.5	4.0	5.1	7.3	5.5	5.4
1,000 to 9,999 lb	5.1	1.6	2.9	2.9	4.7	3.4	3.7	21.4	3.0	3.0
10,000 to 49,999 lb	2.8	3.0	2.7	2.4	5.1	4.4	5.0	7.6	7.0	6.6
50,000 to 99,999 lb	6.5	7.2	6.4	4.6	4.1	8.2	5.6	13.6	12.6	12.3
100,000 lb or more	4.4	5.4	7.3	4.6	7.1	7.2	5.8	7.2	9.0	13.8
SCTG 01, Live animals and live fish	**19.2**	**30.9**	**25.0**	**10.6**	**23.6**	**37.2**	**31.8**	**28.6**	**S**	**S**
Less than 50 lb	35.1	37.4	S	19.8	36.9	49.1	49.4	S	S	S
50 to 99 lb	32.7	39.4	46.5	17.4	43.9	S	S	49.0	S	S
100 to 499 lb	28.0	S	S	17.1	32.5	41.6	44.4	S	S	S
500 to 749 lb	40.2	32.8	40.1	19.2	41.5	37.9	38.0	S	S	S
750 to 999 lb	45.4	48.5	S	21.2	49.0	37.7	31.8	48.3	48.3	S
1,000 to 9,999 lb	37.1	35.4	34.1	28.5	49.2	26.1	33.7	S	S	S
10,000 to 49,999 lb	21.9	38.9	24.5	17.3	24.0	45.5	34.4	28.4	S	S
50,000 to 99,999 lb	36.5	34.8	43.4	11.2	S	S	S	38.3	37.4	39.2
100,000 lb or more	33.2	45.1	31.2	25.8	S	S	S	S	S	S
SCTG 02, Cereal grains	**24.0**	**21.1**	**21.2**	**14.3**	**31.8**	**27.8**	**30.3**	**22.5**	**23.7**	**22.5**
Less than 50 lb	S	S	S	33.7	S	S	S	S	S	S
50 to 99 lb	37.7	41.3	32.7	S	42.3	42.9	43.0	S	S	S
100 to 499 lb	30.3	37.7	32.5	S	33.5	39.9	34.0	S	S	S
500 to 749 lb	33.2	34.3	31.6	S	43.9	45.5	41.1	S	S	S
750 to 999 lb	29.2	34.0	36.5	27.3	38.7	43.0	40.7	S	S	S
1,000 to 9,999 lb	S	21.0	38.8	14.5	30.9	13.8	16.0	32.0	25.6	24.3
10,000 to 49,999 lb	10.3	11.0	23.2	12.2	13.5	14.0	17.8	20.5	19.5	21.5
50,000 to 99,999 lb	12.5	11.9	15.7	8.6	14.6	13.9	13.1	27.9	28.3	26.3
100,000 lb or more	30.8	27.0	25.4	10.1	39.4	34.3	37.2	49.3	S	S
SCTG 03, Other agricultural products	**7.4**	**13.1**	**13.9**	**25.7**	**9.8**	**17.7**	**19.9**	**8.9**	**13.7**	**17.6**
Less than 50 lb	33.5	25.1	48.7	24.7	42.1	32.7	31.5	S	41.3	45.9
50 to 99 lb	24.3	20.6	12.0	47.4	26.6	22.4	22.9	S	30.1	29.0
100 to 499 lb	13.9	19.8	10.0	37.2	18.6	22.3	22.8	14.3	24.1	24.7
500 to 749 lb	19.0	21.5	17.1	34.0	19.9	25.8	27.1	26.9	41.6	45.3
750 to 999 lb	15.2	21.0	19.6	25.8	20.1	23.7	22.4	24.5	35.2	36.9
1,000 to 9,999 lb	11.8	14.8	12.7	16.8	13.4	15.1	14.2	22.5	29.9	32.2
10,000 to 49,999 lb	8.0	13.7	22.2	8.3	12.1	18.8	27.8	13.7	15.3	16.3
50,000 to 99,999 lb	23.0	23.1	21.9	22.1	33.0	32.6	39.8	24.8	24.1	23.1
100,000 lb or more	18.8	20.3	20.0	15.2	33.7	32.4	29.2	34.9	41.3	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**11.3**	**6.5**	**9.3**	**33.4**	**8.7**	**8.5**	**9.8**	**39.5**	**16.8**	**16.4**
Less than 50 lb	46.1	S	37.6	S	S	S	S	41.1	48.2	44.1
50 to 99 lb	S	47.8	46.8	34.5	S	48.6	S	41.5	S	S
100 to 499 lb	47.1	33.1	30.5	35.3	S	34.5	47.6	40.3	34.0	34.6
500 to 749 lb	41.6	36.6	22.3	S	S	40.0	41.0	43.6	36.2	36.4
750 to 999 lb	39.9	34.2	24.5	S	S	39.7	45.1	33.8	33.3	37.0
1,000 to 9,999 lb	14.5	15.0	16.6	15.9	19.8	19.8	18.5	21.1	24.5	25.4
10,000 to 49,999 lb	16.5	8.2	10.1	12.0	8.2	10.7	11.5	S	19.9	19.7
50,000 to 99,999 lb	7.3	12.4	12.2	10.9	7.8	12.4	14.4	12.0	23.5	18.3
100,000 lb or more	19.0	21.3	27.8	11.0	26.0	30.5	32.5	S	46.0	41.7
SCTG 05, Meat, fish, seafood, and their preparations	**4.4**	**5.4**	**7.3**	**17.6**	**7.9**	**9.0**	**8.7**	**8.8**	**8.5**	**8.4**
Less than 50 lb	31.0	30.3	47.6	27.1	26.7	26.6	33.1	S	45.6	47.6
50 to 99 lb	28.8	31.7	36.0	45.8	25.6	28.4	31.1	36.7	43.0	45.5
100 to 499 lb	15.4	19.4	13.8	20.3	17.8	22.5	21.4	17.2	19.2	19.1
500 to 749 lb	13.0	11.9	11.2	14.7	17.6	14.1	13.5	22.5	20.2	19.5
750 to 999 lb	13.4	11.9	9.1	9.7	19.0	15.4	14.6	26.1	25.2	25.4
1,000 to 9,999 lb	6.7	8.7	8.9	7.3	13.6	14.3	12.8	9.1	9.4	9.6
10,000 to 49,999 lb	5.9	6.4	8.2	3.6	7.7	8.0	8.9	12.9	12.2	11.5
50,000 to 99,999 lb	29.0	19.3	21.3	18.7	S	S	S	42.2	39.0	38.0
100,000 lb or more	35.8	23.8	20.4	24.2	S	48.4	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**11.4**	**6.8**	**7.3**	**22.3**	**10.8**	**9.6**	**11.1**	**10.0**	**9.1**	**9.0**
Less than 50 lb	31.5	28.6	29.3	S	32.2	32.2	34.6	36.2	34.5	35.9
50 to 99 lb	25.8	34.3	21.2	S	30.6	40.6	30.4	27.3	29.6	30.1
100 to 499 lb	17.5	16.5	17.9	18.8	18.7	19.9	16.8	27.8	26.4	26.6
500 to 749 lb	32.8	22.9	25.4	10.5	25.2	22.9	29.7	36.3	23.2	22.9
750 to 999 lb	27.5	23.4	24.3	20.1	21.1	18.8	20.0	33.9	34.2	32.1
1,000 to 9,999 lb	22.0	14.0	11.6	6.0	23.2	16.8	15.5	14.2	19.1	18.3
10,000 to 49,999 lb	11.3	6.9	8.8	4.2	17.1	9.4	14.2	7.8	11.6	11.6
50,000 to 99,999 lb	26.0	31.5	24.8	15.0	37.0	39.0	39.1	30.9	31.0	30.6
100,000 lb or more	23.0	14.1	14.8	7.3	S	36.8	45.2	47.6	40.7	37.9

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	**6.9**	**5.7**	**6.7**	**19.2**	**6.3**	**6.5**	**7.5**	**20.4**	**10.7**	**11.3**
Less than 50 lb	16.8	15.0	31.3	16.8	17.3	18.6	22.6	20.3	23.2	22.0
50 to 99 lb	12.0	20.2	15.3	40.4	15.9	22.9	22.4	20.1	34.0	40.3
100 to 499 lb	6.3	9.8	8.7	14.1	7.9	10.4	10.4	11.7	19.5	19.5
500 to 749 lb	7.5	10.3	11.7	7.2	8.9	11.2	13.5	16.3	18.7	18.2
750 to 999 lb	7.0	10.0	7.7	7.1	9.7	12.1	12.3	13.1	13.9	14.2
1,000 to 9,999 lb	5.3	6.8	6.0	8.7	7.0	9.8	10.4	7.9	9.0	9.3
10,000 to 49,999 lb	11.0	7.2	7.1	6.6	11.1	7.3	8.8	27.5	12.9	13.8
50,000 to 99,999 lb	18.8	16.8	23.2	14.1	31.7	22.4	31.9	29.2	24.9	23.9
100,000 lb or more	10.6	10.8	13.1	5.7	31.6	31.5	32.8	25.8	24.9	26.3
SCTG 08, Alcoholic beverages	**4.2**	**5.8**	**14.7**	**3.4**	**3.7**	**4.3**	**4.8**	**8.9**	**10.5**	**10.2**
Less than 50 lb	16.1	10.6	12.4	5.0	18.0	10.9	13.4	15.5	16.5	17.7
50 to 99 lb	7.6	4.9	7.3	4.9	8.4	4.9	6.7	14.6	12.7	13.6
100 to 499 lb	5.0	4.4	5.3	3.6	5.3	4.6	5.6	12.6	8.2	8.5
500 to 749 lb	5.4	4.6	5.9	3.4	5.3	4.9	6.5	13.3	10.4	12.5
750 to 999 lb	5.2	5.2	6.1	5.3	5.1	5.2	6.4	17.2	14.9	15.2
1,000 to 9,999 lb	3.8	4.5	6.4	4.6	4.4	4.8	6.9	11.4	9.4	9.8
10,000 to 49,999 lb	10.3	10.8	13.3	8.7	9.3	11.6	11.3	26.6	19.6	19.1
50,000 to 99,999 lb	24.3	22.7	27.3	23.7	35.7	31.7	31.1	S	S	S
100,000 lb or more	45.8	45.4	S	18.9	S	S	S	–	–	–
SCTG 09, Tobacco products	**17.7**	**29.8**	**23.8**	**18.6**	**29.6**	**44.6**	**47.0**	**14.5**	**18.9**	**18.7**
Less than 50 lb	8.7	8.4	22.7	17.7	9.1	10.3	10.4	20.3	19.7	19.8
50 to 99 lb	13.9	13.8	17.1	16.3	12.9	13.9	12.4	22.9	22.6	24.8
100 to 499 lb	12.8	12.7	14.4	9.3	10.8	12.1	12.0	23.6	20.3	20.4
500 to 749 lb	10.9	13.9	24.8	20.3	19.3	19.1	26.1	23.3	23.2	24.0
750 to 999 lb	26.5	23.9	35.7	22.2	S	39.5	29.1	49.0	37.0	40.0
1,000 to 9,999 lb	18.2	13.8	18.4	18.6	33.2	24.4	24.8	23.4	16.8	17.4
10,000 to 49,999 lb	22.3	34.9	25.2	47.5	40.3	49.7	S	39.9	33.2	33.5
50,000 to 99,999 lb	S	S	S	25.8	S	S	S	–	–	–
100,000 lb or more	S	46.4	S	32.5	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**20.1**	**23.9**	**18.9**	**28.3**	**27.1**	**31.2**	**27.6**	**36.6**	**35.6**	**38.9**
Less than 50 lb	S	49.2	S	19.2	41.8	43.6	S	S	S	S
50 to 99 lb	39.9	34.8	41.5	28.4	43.9	40.2	36.8	S	S	S
100 to 499 lb	37.0	37.4	45.0	46.8	42.9	41.2	46.6	S	S	S
500 to 749 lb	33.0	28.2	39.1	28.9	39.3	39.0	49.5	S	S	S
750 to 999 lb	S	33.2	35.2	40.7	S	44.7	49.4	S	S	S
1,000 to 9,999 lb	24.0	18.8	23.1	30.5	42.2	30.9	31.6	42.1	39.7	38.2
10,000 to 49,999 lb	25.9	30.2	19.5	S	39.4	39.1	35.9	S	34.8	36.5
50,000 to 99,999 lb	S	S	48.1	S	38.5	S	S	S	S	S
100,000 lb or more	S	S	40.6	32.4	S	S	S	–	–	–
SCTG 11, Natural sands	**11.3**	**15.4**	**16.3**	**19.4**	**18.1**	**15.9**	**13.6**	**17.1**	**36.9**	**36.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	32.6	S	24.0	S	42.0	S	–	–	–
100 to 499 lb	42.0	26.3	34.8	43.3	S	29.3	34.0	S	44.1	43.3
500 to 749 lb	38.4	31.9	42.9	23.2	42.6	33.9	45.1	S	S	S
750 to 999 lb	S	49.5	S	31.7	S	41.2	29.7	S	S	S
1,000 to 9,999 lb	26.0	18.3	22.1	46.6	26.5	19.9	24.6	S	S	S
10,000 to 49,999 lb	17.5	19.9	10.7	26.2	26.7	22.9	16.5	29.4	25.4	23.5
50,000 to 99,999 lb	15.9	28.8	31.3	11.2	20.1	23.9	23.0	28.0	S	S
100,000 lb or more	22.5	27.7	27.8	19.5	33.5	43.5	35.6	27.2	34.0	33.7
SCTG 12, Gravel and crushed stone	**8.6**	**8.2**	**9.0**	**8.9**	**8.9**	**10.0**	**11.0**	**13.1**	**14.5**	**14.2**
Less than 50 lb	S	S	46.0	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	21.1	30.0	25.6	29.5	S	S	S
500 to 749 lb	38.7	S	S	S	38.9	S	S	S	S	S
750 to 999 lb	28.0	32.7	31.8	S	31.5	33.6	36.4	S	S	S
1,000 to 9,999 lb	20.2	15.0	20.1	15.0	24.9	16.7	27.2	47.8	S	46.9
10,000 to 49,999 lb	7.2	8.0	9.8	10.7	8.5	9.4	12.5	20.9	22.0	21.7
50,000 to 99,999 lb	24.2	27.3	18.9	9.4	27.3	30.5	23.2	18.7	21.4	21.0
100,000 lb or more	8.4	11.0	17.8	11.6	11.8	12.1	13.4	23.1	27.4	29.6
SCTG 13, Nonmetallic minerals n.e.c.	**12.4**	**19.4**	**20.2**	**15.3**	**10.6**	**28.5**	**31.0**	**28.9**	**29.6**	**24.3**
Less than 50 lb	33.7	26.1	38.9	20.1	38.1	39.1	44.9	S	S	S
50 to 99 lb	S	42.7	S	19.4	45.0	34.6	33.0	S	S	S
100 to 499 lb	39.0	26.4	40.3	22.7	46.3	30.6	39.5	36.5	32.1	32.4
500 to 749 lb	38.4	35.8	42.3	33.2	S	48.3	47.8	48.2	S	S
750 to 999 lb	45.6	28.3	36.8	20.0	43.2	24.4	32.5	S	S	S
1,000 to 9,999 lb	26.7	23.8	22.4	15.6	24.4	25.4	26.3	S	43.6	43.7
10,000 to 49,999 lb	22.8	38.6	12.7	27.8	17.6	48.2	S	44.4	25.9	23.6
50,000 to 99,999 lb	14.7	28.6	15.5	22.2	19.9	35.1	46.5	18.4	S	47.3
100,000 lb or more	8.7	15.2	26.1	10.7	17.4	20.3	21.4	38.6	36.1	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	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	**21.7**	**30.2**	**34.4**	**11.7**	**46.9**	**34.1**	**40.2**	**35.9**	**S**	**S**
Less than 50 lb	S	23.9	38.6	28.8	26.3	35.8	36.2	S	S	S
50 to 99 lb	40.6	44.4	S	S	39.0	S	S	S	S	S
100 to 499 lb	47.3	29.6	43.4	47.9	S	43.8	47.4	S	S	S
500 to 749 lb	45.1	S	42.8	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	21.7	38.1	27.5	S	39.1	S	46.5	S	S	S
10,000 to 49,999 lb	28.2	43.9	43.4	42.9	42.8	S	S	36.6	S	S
50,000 to 99,999 lb	40.8	48.2	41.1	S	S	S	S	S	48.4	48.5
100,000 lb or more	49.2	46.3	35.5	15.5	S	S	S	46.1	46.0	46.1
SCTG 15, Coal	**8.0**	**8.0**	**10.7**	**28.4**	**12.9**	**11.4**	**14.0**	**20.5**	**21.5**	**29.5**
Less than 50 lb	S	S	S	24.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	S	S	29.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	43.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	24.3	33.4	47.0	S	30.2	36.3	S	S	S
10,000 to 49,999 lb	19.6	21.1	29.1	27.5	26.6	26.6	25.8	40.6	41.4	41.6
50,000 to 99,999 lb	31.5	29.4	35.2	30.5	37.7	35.9	30.2	29.3	26.9	25.8
100,000 lb or more	7.6	7.7	11.0	37.6	10.5	10.0	14.9	21.4	22.4	30.4
SCTG 17, Gasoline and aviation turbine fuel	**4.7**	**10.7**	**26.0**	**7.2**	**6.0**	**11.7**	**7.2**	**17.5**	**21.6**	**20.7**
Less than 50 lb	47.2	44.5	39.9	S	47.3	44.5	44.0	–	–	–
50 to 99 lb	23.3	23.0	24.8	26.0	23.8	23.1	22.8	S	S	S
100 to 499 lb	31.3	27.2	28.5	8.9	31.6	27.4	29.5	S	S	S
500 to 749 lb	41.3	27.2	29.6	11.4	41.8	27.5	31.8	S	S	S
750 to 999 lb	31.2	21.5	28.0	14.4	31.6	21.6	25.7	S	S	S
1,000 to 9,999 lb	13.7	15.5	18.4	9.2	14.9	17.0	22.2	20.7	30.9	30.8
10,000 to 49,999 lb	12.5	16.7	22.6	12.5	9.2	12.7	7.9	29.2	33.0	32.7
50,000 to 99,999 lb	6.4	8.6	13.6	7.1	3.8	4.6	4.3	20.7	26.1	24.8
100,000 lb or more	8.2	18.4	29.9	18.5	15.3	22.4	20.1	39.9	42.7	45.6
SCTG 18, Fuel oils	**9.3**	**10.4**	**18.4**	**7.6**	**13.2**	**15.3**	**21.9**	**14.7**	**19.0**	**22.2**
Less than 50 lb	S	30.8	38.9	13.4	S	30.9	40.1	S	S	S
50 to 99 lb	S	28.1	31.0	33.2	S	29.2	29.8	S	S	S
100 to 499 lb	24.3	11.8	12.1	11.1	24.5	12.1	14.1	S	S	S
500 to 749 lb	21.1	9.6	19.0	14.0	21.8	10.0	15.6	S	S	S
750 to 999 lb	22.4	13.1	12.5	9.9	22.7	13.4	12.6	S	S	S
1,000 to 9,999 lb	11.5	11.2	15.6	14.7	12.5	12.4	13.4	14.7	27.9	27.0
10,000 to 49,999 lb	13.0	13.5	14.8	9.6	15.2	15.7	23.2	25.1	25.6	25.7
50,000 to 99,999 lb	8.5	7.8	10.1	7.0	9.1	8.3	10.9	12.1	12.3	11.3
100,000 lb or more	15.1	16.1	22.3	26.1	23.4	24.3	35.3	37.9	44.1	48.3
SCTG 19, Coal and petroleum products, n.e.c.	**7.8**	**8.5**	**8.7**	**18.1**	**10.4**	**12.2**	**14.1**	**13.0**	**19.5**	**22.6**
Less than 50 lb	23.0	14.1	37.6	23.5	28.5	16.0	47.8	20.4	25.3	24.7
50 to 99 lb	20.1	17.3	49.2	18.9	19.0	17.6	12.6	30.4	34.0	33.7
100 to 499 lb	14.8	17.5	43.6	20.6	16.2	18.8	18.3	26.8	25.7	25.2
500 to 749 lb	14.9	21.2	22.6	20.3	18.2	23.3	34.0	43.7	31.8	33.3
750 to 999 lb	20.1	25.6	S	23.3	21.7	29.0	36.1	30.7	26.7	27.6
1,000 to 9,999 lb	15.1	16.5	S	21.1	17.1	16.6	22.7	27.5	26.9	27.3
10,000 to 49,999 lb	10.9	18.5	22.5	19.0	13.1	29.7	37.0	12.3	11.9	12.1
50,000 to 99,999 lb	16.4	14.2	15.1	12.4	21.3	18.7	20.0	44.4	23.5	25.4
100,000 lb or more	11.0	10.1	11.1	10.1	15.6	15.3	17.7	30.9	30.7	34.5
SCTG 20, Basic chemicals	**17.8**	**10.5**	**17.6**	**13.7**	**16.5**	**8.7**	**9.6**	**9.5**	**9.7**	**10.6**
Less than 50 lb	20.6	18.6	24.9	22.6	23.5	20.5	28.3	30.5	43.5	42.5
50 to 99 lb	21.8	27.2	33.4	15.7	19.1	28.8	32.4	40.4	43.6	38.1
100 to 499 lb	14.5	23.1	15.1	19.0	20.7	25.6	31.9	15.5	18.8	18.9
500 to 749 lb	17.0	25.8	28.9	17.0	20.5	28.8	40.8	18.5	23.1	23.2
750 to 999 lb	23.0	29.9	22.5	23.0	30.0	32.9	40.3	12.5	16.4	17.3
1,000 to 9,999 lb	16.8	14.0	33.5	8.0	17.0	12.2	11.6	18.2	11.8	12.0
10,000 to 49,999 lb	21.7	15.7	27.1	7.4	24.3	17.5	17.8	10.9	20.8	22.3
50,000 to 99,999 lb	18.4	11.0	16.3	11.6	24.3	14.9	15.0	28.4	23.0	27.7
100,000 lb or more	17.2	10.1	15.8	3.3	19.2	10.0	12.9	17.4	15.3	16.3
SCTG 21, Pharmaceutical products	**9.2**	**19.3**	**33.4**	**8.9**	**22.0**	**38.9**	**28.9**	**12.0**	**20.5**	**21.3**
Less than 50 lb	11.4	10.3	13.7	8.8	13.7	13.6	11.5	12.6	15.1	15.2
50 to 99 lb	12.9	8.8	18.9	12.1	16.2	14.8	14.8	13.3	14.9	14.6
100 to 499 lb	11.0	12.3	34.3	13.2	17.9	12.2	10.5	14.5	18.1	17.7
500 to 749 lb	28.1	18.5	37.6	12.0	25.7	15.5	20.6	38.1	27.6	28.2
750 to 999 lb	23.8	24.2	29.7	13.1	35.8	22.1	23.1	47.8	28.0	30.0
1,000 to 9,999 lb	17.0	15.2	20.2	11.6	30.4	12.4	18.8	36.4	40.9	40.3
10,000 to 49,999 lb	17.7	28.8	40.9	8.7	41.9	S	35.6	38.1	36.8	38.7
50,000 to 99,999 lb	S	S	S	23.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.9	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 22, Fertilizers	**7.3**	**11.8**	**9.8**	**6.7**	**11.5**	**18.0**	**23.0**	**16.7**	**8.3**	**8.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	48.4	26.4	38.6	22.7	S	27.1	S	S	S	S
100 to 499 lb	32.2	22.3	35.7	14.3	32.5	19.9	24.7	S	S	S
500 to 749 lb	21.0	27.2	24.2	31.6	28.0	32.1	29.0	26.7	45.8	44.9
750 to 999 lb	20.8	20.2	28.3	29.2	24.0	24.1	25.8	39.9	45.8	41.9
1,000 to 9,999 lb	14.8	14.5	18.9	14.2	12.2	14.6	17.0	35.5	26.5	26.5
10,000 to 49,999 lb	16.3	9.1	15.5	11.9	30.3	13.3	13.7	13.8	9.9	11.1
50,000 to 99,999 lb	17.0	17.0	13.7	9.3	24.8	23.5	30.5	12.2	12.0	12.5
100,000 lb or more	8.9	15.2	11.9	7.8	14.5	22.7	27.4	21.5	21.0	20.1
SCTG 23, Chemical products and preparations, n.e.c.	**5.5**	**7.0**	**12.1**	**13.3**	**5.4**	**8.0**	**6.6**	**8.8**	**11.3**	**10.8**
Less than 50 lb	14.2	12.7	15.6	15.6	14.0	12.4	11.2	20.5	15.5	16.9
50 to 99 lb	7.6	9.3	11.1	10.4	13.1	13.3	9.4	16.3	15.7	15.7
100 to 499 lb	5.7	20.3	9.6	11.4	11.7	33.4	14.2	15.3	10.2	12.1
500 to 749 lb	8.0	7.3	9.5	8.1	10.6	14.5	12.9	13.8	11.7	11.5
750 to 999 lb	11.2	14.4	13.7	8.2	14.8	24.7	14.5	24.6	15.7	14.7
1,000 to 9,999 lb	5.5	6.4	8.1	4.5	9.1	10.7	12.8	10.1	10.6	11.1
10,000 to 49,999 lb	8.5	8.9	13.0	6.1	7.3	8.8	9.6	12.6	14.0	13.3
50,000 to 99,999 lb	16.6	20.3	26.0	17.3	28.9	31.0	44.3	32.1	26.2	28.0
100,000 lb or more	26.6	18.0	18.5	7.9	46.3	40.1	35.1	39.0	27.9	26.3
SCTG 24, Plastics and rubber	**3.7**	**4.6**	**6.5**	**4.6**	**5.0**	**10.2**	**13.3**	**5.5**	**8.1**	**8.5**
Less than 50 lb	5.8	6.5	11.3	5.8	7.3	6.2	5.6	9.5	8.4	8.4
50 to 99 lb	6.6	6.6	8.2	5.5	6.0	6.7	6.1	10.1	6.8	6.4
100 to 499 lb	5.2	7.9	7.7	6.3	6.9	11.2	7.9	11.8	8.1	6.8
500 to 749 lb	7.6	11.6	10.6	9.8	14.4	21.0	13.2	12.1	12.6	11.6
750 to 999 lb	6.2	6.0	7.9	5.3	12.8	10.8	13.4	20.9	17.3	16.5
1,000 to 9,999 lb	4.4	5.8	5.7	3.6	7.2	9.5	9.4	9.0	9.3	8.8
10,000 to 49,999 lb	6.0	6.9	7.7	3.7	11.1	19.1	20.0	8.5	10.2	10.8
50,000 to 99,999 lb	15.2	14.3	21.8	16.1	29.3	22.8	23.6	49.2	40.4	42.0
100,000 lb or more	6.5	8.4	9.1	3.6	19.4	19.3	27.2	27.1	26.6	25.4
SCTG 25, Logs and other wood in the rough	**9.5**	**14.6**	**18.5**	**15.5**	**12.9**	**17.9**	**14.8**	**21.3**	**33.2**	**32.3**
Less than 50 lb	S	S	S	19.8	S	S	S	–	–	–
50 to 99 lb	S	47.3	S	42.1	S	S	S	S	S	S
100 to 499 lb	44.5	31.9	S	S	43.2	35.9	S	S	S	S
500 to 749 lb	42.0	S	S	27.0	38.9	S	43.9	S	S	S
750 to 999 lb	S	32.3	S	34.6	S	S	S	S	S	S
1,000 to 9,999 lb	24.0	35.3	21.1	S	24.8	43.6	49.3	42.4	42.4	42.3
10,000 to 49,999 lb	11.3	14.9	17.2	7.1	13.3	15.6	14.3	16.8	31.0	29.8
50,000 to 99,999 lb	12.3	18.1	20.5	5.9	15.7	21.7	18.9	27.3	38.4	38.1
100,000 lb or more	24.2	33.9	47.8	S	41.3	S	S	S	S	S
SCTG 26, Wood products	**7.0**	**13.1**	**17.0**	**8.9**	**4.7**	**13.5**	**12.8**	**5.4**	**18.6**	**18.7**
Less than 50 lb	17.8	16.2	28.8	10.3	10.9	11.1	15.2	16.2	18.3	17.9
50 to 99 lb	13.9	10.6	23.6	11.6	10.0	9.1	11.8	23.0	20.6	21.2
100 to 499 lb	10.3	8.9	13.4	6.7	10.2	10.1	9.9	10.8	11.2	11.3
500 to 749 lb	9.9	10.9	11.1	10.8	14.5	13.2	11.4	24.0	22.4	21.7
750 to 999 lb	9.0	13.4	13.1	13.1	13.9	19.9	12.1	14.8	20.0	20.6
1,000 to 9,999 lb	4.6	6.9	7.3	8.1	6.3	9.9	7.0	8.2	8.1	8.4
10,000 to 49,999 lb	7.7	12.9	11.8	4.5	7.3	15.7	10.8	7.2	11.5	10.9
50,000 to 99,999 lb	7.1	22.3	12.9	11.0	11.1	26.6	25.9	12.1	33.0	33.8
100,000 lb or more	24.6	25.5	29.5	6.7	32.4	28.1	33.4	23.3	48.9	46.0
SCTG 27, Pulp, newsprint, paper, and paperboard	**5.7**	**4.2**	**5.3**	**7.7**	**11.3**	**7.7**	**9.3**	**6.3**	**8.0**	**8.2**
Less than 50 lb	9.3	8.5	15.7	21.1	9.1	9.5	12.9	16.1	17.7	16.0
50 to 99 lb	9.4	10.9	24.3	22.4	8.3	10.1	12.3	27.1	36.8	36.1
100 to 499 lb	10.9	10.3	20.2	12.8	13.9	10.7	12.0	20.7	16.1	15.6
500 to 749 lb	12.2	10.6	16.9	9.7	17.1	13.6	12.5	24.2	12.1	12.6
750 to 999 lb	9.9	8.6	21.0	13.2	12.2	8.8	14.5	17.1	15.4	16.0
1,000 to 9,999 lb	8.5	9.1	12.1	11.0	9.9	12.3	15.5	10.7	11.9	12.0
10,000 to 49,999 lb	8.3	5.7	6.6	3.4	23.6	10.5	10.8	10.3	10.0	10.7
50,000 to 99,999 lb	14.2	15.8	15.0	11.0	21.8	23.3	26.0	32.5	30.5	28.7
100,000 lb or more	4.4	6.0	7.4	2.4	17.6	17.6	26.3	18.3	17.6	16.9
SCTG 28, Paper or paperboard articles	**5.1**	**4.8**	**7.3**	**8.4**	**5.9**	**6.5**	**6.6**	**5.5**	**8.4**	**8.2**
Less than 50 lb	10.6	6.9	15.3	9.9	11.0	6.8	10.4	12.6	12.7	12.1
50 to 99 lb	9.4	11.0	23.9	13.8	9.8	9.4	11.2	24.9	27.4	27.5
100 to 499 lb	7.0	6.8	11.4	10.4	7.4	7.8	7.7	10.0	10.6	10.8
500 to 749 lb	11.6	9.2	16.7	9.2	9.6	9.8	14.7	17.2	16.1	16.1
750 to 999 lb	11.8	9.0	11.9	12.8	17.6	11.5	15.2	29.0	18.6	19.7
1,000 to 9,999 lb	5.9	6.3	8.1	6.9	7.0	9.5	8.2	8.0	8.3	8.4
10,000 to 49,999 lb	7.5	5.6	7.7	4.9	10.6	8.2	8.2	8.4	11.3	11.0
50,000 to 99,999 lb	25.2	21.5	33.1	25.2	S	37.6	36.4	S	39.5	38.7
100,000 lb or more	30.1	24.4	30.5	16.5	S	S	S	S	45.5	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	**4.8**	**8.8**	**6.5**	**11.7**	**6.6**	**13.5**	**10.8**	**4.8**	**9.8**	**9.9**
Less than 50 lb	8.0	10.4	11.9	13.0	11.7	17.6	25.0	22.1	42.5	41.0
50 to 99 lb	13.0	9.9	14.0	9.7	6.4	12.4	14.3	15.2	15.7	16.9
100 to 499 lb	14.5	11.6	15.2	12.2	23.4	14.1	13.1	10.7	9.1	8.9
500 to 749 lb	8.9	18.5	10.5	16.8	16.5	26.1	12.3	21.4	15.1	15.1
750 to 999 lb	10.7	21.5	10.1	19.4	16.8	28.2	17.1	31.8	18.5	17.1
1,000 to 9,999 lb	6.6	7.5	7.3	7.7	7.2	9.2	10.9	8.4	13.8	14.6
10,000 to 49,999 lb	6.8	12.9	10.4	10.1	12.4	21.8	18.6	14.2	18.4	18.2
50,000 to 99,999 lb	23.5	32.5	S	20.3	34.1	39.3	37.7	S	48.2	49.4
100,000 lb or more	S	S	S	S	S	S	34.5	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**10.2**	**5.8**	**7.5**	**2.4**	**14.3**	**8.7**	**8.9**	**44.3**	**7.2**	**7.2**
Less than 50 lb	6.7	5.5	5.8	2.6	10.3	9.4	7.7	15.8	10.7	11.6
50 to 99 lb	6.2	6.1	7.8	4.0	13.5	10.8	10.1	20.0	17.4	18.7
100 to 499 lb	5.6	5.3	6.4	3.4	10.8	8.5	8.3	10.0	12.2	11.3
500 to 749 lb	6.2	6.7	9.7	5.4	15.8	19.8	26.0	16.3	27.9	31.0
750 to 999 lb	11.7	7.9	9.1	5.1	14.6	16.6	9.5	20.1	15.4	16.7
1,000 to 9,999 lb	27.9	6.9	9.1	4.2	33.4	13.0	10.7	S	24.9	25.9
10,000 to 49,999 lb	7.1	6.4	10.7	5.0	9.0	9.4	11.3	5.8	6.5	6.7
50,000 to 99,999 lb	45.1	40.5	28.1	25.4	S	49.8	41.4	35.8	41.4	41.7
100,000 lb or more	19.7	23.3	39.0	17.6	38.9	37.6	S	S	S	S
SCTG 31, Nonmetallic mineral products	**3.8**	**4.8**	**4.7**	**9.0**	**4.4**	**6.6**	**6.6**	**4.6**	**11.0**	**10.4**
Less than 50 lb	18.4	26.9	13.3	11.0	29.8	41.3	49.1	21.2	15.1	15.8
50 to 99 lb	12.4	10.5	15.3	15.6	14.9	9.3	12.8	32.3	31.4	30.2
100 to 499 lb	9.4	8.9	12.4	9.9	10.4	10.6	13.0	16.0	16.9	16.7
500 to 749 lb	11.9	10.5	15.3	14.5	16.3	12.0	13.3	22.9	17.4	17.4
750 to 999 lb	18.0	13.9	20.8	14.6	21.1	16.4	14.6	26.0	26.5	28.8
1,000 to 9,999 lb	13.8	6.5	7.7	7.3	10.3	8.1	11.7	8.2	10.0	10.3
10,000 to 49,999 lb	4.4	5.8	6.2	6.1	6.7	6.9	6.9	6.8	16.3	15.4
50,000 to 99,999 lb	7.5	8.1	8.3	5.0	8.3	9.5	12.5	11.4	12.5	12.3
100,000 lb or more	14.0	28.0	12.6	21.1	31.6	40.3	43.6	24.2	24.7	22.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**3.8**	**9.5**	**7.6**	**4.8**	**6.5**	**13.8**	**13.7**	**8.2**	**13.8**	**14.4**
Less than 50 lb	18.0	8.5	11.8	7.9	15.1	10.4	10.1	14.8	12.4	12.5
50 to 99 lb	10.3	8.0	11.4	11.4	17.7	11.1	8.9	24.4	19.3	22.1
100 to 499 lb	6.3	6.9	11.6	11.3	7.9	11.3	10.9	12.1	11.1	11.8
500 to 749 lb	6.8	5.7	9.7	8.3	7.8	9.8	10.6	20.7	12.5	12.4
750 to 999 lb	11.0	6.8	9.5	9.3	8.8	10.7	13.6	30.3	20.7	21.0
1,000 to 9,999 lb	4.1	7.0	7.7	8.2	7.6	12.6	10.9	11.2	9.2	8.9
10,000 to 49,999 lb	4.1	6.0	5.9	3.8	7.2	10.2	19.3	9.0	16.4	17.5
50,000 to 99,999 lb	11.5	14.6	16.1	11.9	17.1	18.2	19.8	25.5	27.7	27.6
100,000 lb or more	19.4	27.8	15.6	11.1	S	S	47.4	41.8	36.9	34.4
SCTG 33, Articles of base metal	**3.0**	**7.9**	**10.5**	**6.1**	**3.3**	**8.8**	**7.8**	**6.6**	**16.5**	**17.6**
Less than 50 lb	8.4	6.7	8.9	7.5	7.7	7.7	7.0	14.3	10.9	10.6
50 to 99 lb	9.5	6.5	12.2	7.8	11.4	6.0	6.8	16.2	16.6	14.9
100 to 499 lb	6.2	4.8	7.7	7.2	6.6	6.0	6.1	12.9	8.8	8.8
500 to 749 lb	6.4	4.9	6.6	6.9	10.7	8.9	8.7	19.5	12.4	13.1
750 to 999 lb	9.7	6.9	14.5	8.5	16.2	11.3	11.0	21.6	12.2	12.5
1,000 to 9,999 lb	4.4	4.2	3.3	3.4	6.7	6.1	7.1	10.0	10.6	11.1
10,000 to 49,999 lb	4.8	9.6	11.6	5.4	8.7	16.2	15.5	11.6	13.5	13.7
50,000 to 99,999 lb	31.8	24.6	31.2	17.6	17.3	16.8	16.1	46.9	S	S
100,000 lb or more	23.2	19.5	22.6	12.6	30.8	26.7	23.5	49.5	40.8	40.5
SCTG 34, Machinery	**4.8**	**3.8**	**4.3**	**4.5**	**5.9**	**7.9**	**12.0**	**13.3**	**16.3**	**17.0**
Less than 50 lb	5.9	7.6	7.9	5.7	6.3	9.4	11.4	14.6	10.6	11.1
50 to 99 lb	7.5	10.7	14.0	6.9	11.4	10.9	14.3	17.8	14.9	15.2
100 to 499 lb	4.7	5.8	6.7	5.1	7.1	9.3	9.6	10.4	8.1	8.8
500 to 749 lb	8.3	5.9	7.5	5.5	12.2	12.0	12.7	13.4	13.3	12.9
750 to 999 lb	10.9	8.1	12.0	6.8	13.6	11.3	12.7	20.6	18.1	18.8
1,000 to 9,999 lb	7.4	6.3	5.3	4.1	15.0	17.5	28.2	30.5	13.5	13.7
10,000 to 49,999 lb	10.1	6.8	7.0	4.4	12.6	12.1	13.4	11.3	25.2	26.7
50,000 to 99,999 lb	33.4	13.8	19.1	10.4	34.7	30.6	37.0	S	43.6	40.9
100,000 lb or more	33.6	19.3	30.4	14.0	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9.6**	**8.0**	**8.1**	**5.0**	**15.6**	**14.6**	**21.7**	**10.7**	**14.6**	**17.7**
Less than 50 lb	7.1	4.4	6.5	4.8	10.2	6.7	7.0	11.3	7.2	7.0
50 to 99 lb	16.0	8.6	14.4	6.9	25.1	6.4	8.4	18.5	11.6	11.9
100 to 499 lb	16.1	11.0	21.7	8.7	17.0	8.3	9.9	11.5	19.2	19.6
500 to 749 lb	14.8	17.3	12.2	7.4	28.3	9.5	9.9	22.0	18.0	19.5
750 to 999 lb	13.1	17.5	24.6	9.5	22.6	11.8	20.4	29.2	S	46.4
1,000 to 9,999 lb	19.0	12.7	11.3	5.5	22.2	17.3	24.4	24.3	28.4	34.2
10,000 to 49,999 lb	20.0	7.8	10.0	4.9	S	26.2	40.9	21.2	21.1	23.0
50,000 to 99,999 lb	31.8	44.7	S	14.1	36.5	38.4	S	S	S	S
100,000 lb or more	23.4	S	24.0	31.4	34.9	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)	**7.7**	**7.3**	**8.6**	**7.6**	**11.0**	**10.8**	**16.5**	**16.5**	**18.0**	**17.3**
Less than 50 lb	7.0	7.1	7.9	8.9	8.6	10.7	11.0	9.9	11.9	11.1
50 to 99 lb	9.1	8.7	7.3	9.7	13.8	14.9	16.9	16.3	14.5	14.2
100 to 499 lb	10.1	7.6	8.2	6.9	11.5	12.0	11.5	15.0	12.7	12.3
500 to 749 lb	14.8	8.1	13.3	10.3	18.8	15.3	16.0	33.3	19.4	20.4
750 to 999 lb	18.1	16.3	12.9	12.8	27.9	25.5	44.0	S	S	S
1,000 to 9,999 lb	13.2	12.2	18.5	7.5	23.5	18.5	9.9	21.9	16.0	16.1
10,000 to 49,999 lb	7.6	8.9	8.3	5.2	22.0	23.1	29.4	35.8	30.4	30.0
50,000 to 99,999 lb	34.4	20.2	27.4	14.8	49.1	42.9	31.5	28.7	30.2	31.0
100,000 lb or more	S	30.0	45.9	19.4	30.7	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**11.8**	**13.5**	**12.6**	**6.1**	**26.3**	**30.0**	**40.5**	**20.0**	**29.0**	**37.3**
Less than 50 lb	18.8	22.4	25.6	7.5	23.1	38.6	43.5	36.4	35.1	36.5
50 to 99 lb	30.7	16.3	20.5	11.0	35.3	41.4	44.0	S	S	43.9
100 to 499 lb	13.8	17.2	16.6	6.9	24.0	32.8	36.7	41.3	27.5	27.9
500 to 749 lb	17.9	15.1	14.0	10.3	40.9	31.7	48.2	S	S	S
750 to 999 lb	44.2	14.2	18.5	12.7	S	S	S	S	S	S
1,000 to 9,999 lb	18.7	14.2	13.5	6.9	S	22.4	27.6	35.5	29.6	29.8
10,000 to 49,999 lb	22.9	20.4	14.1	10.6	24.8	S	S	S	36.6	35.9
50,000 to 99,999 lb	35.0	41.4	46.3	14.6	S	S	S	–	–	–
100,000 lb or more	27.1	28.2	30.1	19.7	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**19.1**	**16.6**	**19.7**	**7.6**	**10.0**	**11.6**	**15.5**	**14.8**	**S**	**S**
Less than 50 lb	34.8	26.4	37.3	7.7	13.0	15.1	14.2	21.8	19.9	19.8
50 to 99 lb	18.4	21.3	29.8	8.8	20.8	25.4	30.1	38.9	30.1	30.6
100 to 499 lb	8.3	10.3	12.7	12.5	23.2	18.2	21.3	29.4	16.4	19.9
500 to 749 lb	19.0	13.5	14.5	10.5	29.4	22.2	26.9	S	41.9	43.0
750 to 999 lb	16.4	18.3	24.3	10.8	28.5	20.3	27.1	39.7	S	S
1,000 to 9,999 lb	16.3	18.2	39.8	10.8	22.6	27.4	35.2	31.0	28.4	28.0
10,000 to 49,999 lb	21.2	47.2	36.3	17.0	39.2	35.4	34.1	43.2	S	S
50,000 to 99,999 lb	S	S	S	21.8	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**10.8**	**8.0**	**6.3**	**4.3**	**12.7**	**16.9**	**24.7**	**24.1**	**17.0**	**15.1**
Less than 50 lb	12.3	13.3	16.2	7.9	19.9	19.2	13.2	24.8	18.6	18.8
50 to 99 lb	10.2	9.2	11.0	6.8	18.2	17.5	14.1	30.3	12.4	13.7
100 to 499 lb	10.3	5.8	5.7	4.0	17.5	12.8	14.6	6.9	8.8	8.8
500 to 749 lb	8.9	6.6	5.9	4.4	19.4	10.6	10.6	9.4	10.7	12.0
750 to 999 lb	8.7	8.5	10.4	6.6	12.3	15.2	15.9	14.4	15.9	15.0
1,000 to 9,999 lb	18.7	12.6	7.0	5.2	24.0	29.5	42.4	41.5	26.1	23.8
10,000 to 49,999 lb	19.7	12.3	11.2	5.8	24.5	19.7	20.8	15.8	26.0	22.5
50,000 to 99,999 lb	38.2	42.6	S	17.6	S	45.8	45.7	S	S	S
100,000 lb or more	S	S	S	25.5	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**7.6**	**7.5**	**7.4**	**5.4**	**6.6**	**20.9**	**18.5**	**14.0**	**15.4**	**14.3**
Less than 50 lb	21.6	5.5	9.0	5.6	10.0	9.0	7.3	8.3	12.6	14.1
50 to 99 lb	8.2	7.3	9.1	5.8	10.1	10.1	11.2	10.6	13.0	13.1
100 to 499 lb	4.7	5.8	12.1	6.0	10.6	9.1	9.4	8.6	12.4	14.8
500 to 749 lb	9.1	4.8	7.8	6.9	9.1	8.0	9.9	18.4	16.0	15.8
750 to 999 lb	6.9	7.7	8.8	9.6	13.1	13.5	11.2	16.3	15.8	16.3
1,000 to 9,999 lb	5.2	6.9	5.9	7.0	11.3	15.1	16.2	11.4	9.5	9.3
10,000 to 49,999 lb	14.7	10.6	10.7	10.4	11.4	30.3	24.2	32.0	19.2	19.4
50,000 to 99,999 lb	18.4	27.1	15.9	21.7	S	38.7	S	30.8	39.3	39.6
100,000 lb or more	25.4	18.6	20.4	14.3	39.5	S	S	43.5	S	S
SCTG 41, Waste and scrap	**5.7**	**6.2**	**7.9**	**8.6**	**17.6**	**11.8**	**16.4**	**10.1**	**14.9**	**14.4**
Less than 50 lb	37.8	S	S	37.1	43.5	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.3	38.3	36.7	34.1	45.6	45.5	42.3	42.4	S	S
500 to 749 lb	S	S	47.4	S	S	S	S	S	S	S
750 to 999 lb	S	S	47.5	46.5	S	S	S	S	S	S
1,000 to 9,999 lb	S	37.2	22.4	S	S	41.0	39.6	41.7	43.8	41.2
10,000 to 49,999 lb	6.9	9.0	11.7	7.3	17.3	17.0	23.1	10.8	17.1	16.4
50,000 to 99,999 lb	15.7	15.5	13.0	12.7	23.5	23.0	35.1	12.6	24.3	26.1
100,000 lb or more	12.2	9.2	12.7	9.1	24.5	20.2	23.7	30.6	30.0	29.3
SCTG 43, Mixed freight	**13.7**	**15.2**	**10.8**	**9.9**	**18.0**	**22.1**	**23.8**	**15.0**	**15.8**	**15.0**
Less than 50 lb	21.5	21.8	41.0	15.1	25.0	16.8	17.3	28.5	34.7	35.1
50 to 99 lb	17.8	19.3	37.4	13.9	20.4	17.4	16.5	30.6	31.8	30.8
100 to 499 lb	12.0	12.6	19.2	10.0	10.9	12.2	12.4	18.2	22.7	23.0
500 to 749 lb	10.4	11.2	15.1	8.9	14.8	14.7	13.6	21.6	22.7	22.8
750 to 999 lb	11.7	11.3	17.0	9.1	11.2	12.4	16.1	20.4	13.6	13.6
1,000 to 9,999 lb	9.8	6.6	11.8	8.9	8.3	9.7	12.8	13.0	9.1	9.0
10,000 to 49,999 lb	21.1	21.5	16.6	8.4	27.6	30.8	32.0	23.2	21.6	20.5
50,000 to 99,999 lb	27.0	25.4	34.3	20.8	48.9	47.7	40.1	S	48.3	47.3
100,000 lb or more	43.8	36.1	S	19.3	S	46.9	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
Commodity unknown	**14.0**	**S**	**S**	**13.2**	**15.5**	**16.6**	**14.4**	**24.9**	**21.5**	**21.3**
Less than 50 lb	16.9	12.2	19.3	9.8	18.3	18.4	18.9	39.3	28.1	27.4
50 to 99 lb	20.6	18.6	37.7	S	31.1	27.7	26.2	38.3	27.4	28.0
100 to 499 lb	13.4	17.0	31.5	15.0	16.9	24.5	30.3	36.1	44.9	47.6
500 to 749 lb	36.2	32.5	15.5	22.6	33.3	39.4	46.8	42.4	47.6	S
750 to 999 lb	23.5	21.2	23.6	35.7	37.3	30.1	33.7	S	S	S
1,000 to 9,999 lb	16.0	22.8	25.3	14.3	28.6	17.1	20.1	38.7	32.8	31.5
10,000 to 49,999 lb	23.5	22.1	24.1	15.7	35.5	25.3	23.2	33.1	30.9	30.7
50,000 to 99,999 lb	35.8	S	S	16.2	29.4	37.0	32.3	38.9	45.7	46.1
100,000 lb or more	33.4	39.3	47.3	20.0	S	45.1	47.3	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	**3.9**	**4.6**	**5.6**	**3.6**	**6.6**	**6.3**	**2.0**	**6.9**	**7.8**	**2.7**	**9.8**	**9.2**
Less than 50 lb	3.6	4.3	4.5	4.5	2.7	2.7	7.2	3.0	3.0	9.1	5.0	4.8
50 to 99 lb	6.2	6.0	6.1	3.5	4.6	4.2	5.9	4.7	4.5	8.3	6.3	6.1
100 to 499 lb	4.9	3.9	4.0	4.5	3.8	3.5	4.4	3.4	3.6	7.6	2.8	2.8
500 to 749 lb	7.4	6.2	6.4	7.0	6.6	5.7	6.3	5.1	4.9	8.5	5.1	5.0
750 to 999 lb	5.3	5.3	5.4	7.5	4.1	3.9	6.2	4.2	4.4	19.2	7.6	7.4
1,000 to 9,999 lb	7.2	3.4	3.3	9.8	3.7	3.8	6.9	4.3	4.5	6.6	4.9	5.1
10,000 to 49,999 lb	8.0	4.5	4.4	4.0	3.2	2.9	2.7	3.2	3.3	4.1	4.4	4.6
50,000 to 99,999 lb	11.8	5.6	6.0	11.9	34.0	27.0	24.2	16.2	17.8	20.4	15.8	16.0
100,000 lb or more	7.0	8.1	9.2	12.7	9.0	9.1	7.3	11.9	12.5	4.5	15.2	13.9
SCTG 01, Live animals and live fish	**49.6**	**S**	**S**	**23.3**	**28.1**	**30.5**	**42.4**	**45.8**	**48.3**	**43.0**	**42.6**	**41.8**
Less than 50 lb	48.5	43.9	44.4	50.0	S	S	46.5	39.0	38.5	S	S	S
50 to 99 lb	43.6	37.4	38.0	S	S	S	S	S	S	–	–	–
100 to 499 lb	39.4	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	43.2	49.9	48.9	40.5	36.7	36.3	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	24.7	30.1	32.7	38.8	41.9	44.2	46.8	45.9	44.7
50,000 to 99,999 lb	28.9	29.7	30.7	43.3	46.7	50.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	**17.8**	**15.6**	**15.1**	**16.4**	**17.7**	**19.0**	**39.0**	**32.1**	**32.5**	**38.0**	**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	49.5	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	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.2	18.1	19.1	42.7	S	S	37.7	34.1	33.1	50.0	S	S
50,000 to 99,999 lb	30.3	29.2	27.7	S	S	S	45.3	49.9	S	–	–	–
100,000 lb or more	26.7	24.7	25.6	25.1	25.2	26.7	40.5	33.7	33.7	39.4	S	S
SCTG 03, Other agricultural products	**15.9**	**24.4**	**33.1**	**14.2**	**22.8**	**23.7**	**16.1**	**34.2**	**34.3**	**18.4**	**36.0**	**35.7**
Less than 50 lb	32.9	32.0	30.5	37.4	S	S	30.5	49.8	S	38.8	S	49.8
50 to 99 lb	S	42.9	34.7	48.1	42.9	44.3	30.7	22.1	22.0	43.4	31.9	31.0
100 to 499 lb	21.2	16.2	15.7	38.2	24.2	24.6	31.4	21.9	21.5	16.0	16.9	17.2
500 to 749 lb	25.2	23.7	22.0	25.9	24.5	24.7	S	36.5	35.0	31.1	36.5	37.4
750 to 999 lb	24.7	29.0	32.9	34.2	33.5	34.2	44.7	41.9	40.6	S	S	S
1,000 to 9,999 lb	17.3	23.7	22.6	20.7	20.1	20.6	31.6	24.7	24.6	22.4	23.0	23.8
10,000 to 49,999 lb	16.2	19.1	21.1	14.2	29.3	29.4	18.5	26.0	27.4	18.6	21.1	21.0
50,000 to 99,999 lb	41.1	25.7	26.8	48.9	36.6	38.5	40.4	S	S	S	41.3	40.6
100,000 lb or more	S	S	S	27.9	37.4	36.9	38.5	43.9	42.3	38.3	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**24.0**	**9.7**	**9.4**	**14.2**	**13.5**	**13.7**	**21.8**	**26.6**	**28.4**	**38.1**	**27.5**	**27.8**
Less than 50 lb	39.4	29.0	31.3	46.1	S	S	S	S	S	S	S	49.7
50 to 99 lb	S	49.8	S	41.0	39.3	40.3	S	S	S	S	S	S
100 to 499 lb	S	49.6	S	39.6	30.2	28.7	S	39.4	43.1	S	S	S
500 to 749 lb	43.9	43.1	42.2	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	36.5	36.3	39.0	44.0	43.3	S	S	S	S	S	S
1,000 to 9,999 lb	32.6	24.3	23.7	30.8	28.9	29.1	47.0	S	S	25.7	29.7	30.1
10,000 to 49,999 lb	34.5	13.2	12.5	18.4	16.5	16.9	22.1	21.3	21.3	30.0	21.7	21.6
50,000 to 99,999 lb	16.5	20.0	17.9	16.6	17.1	18.5	22.1	35.4	35.4	S	S	S
100,000 lb or more	30.8	26.9	27.1	32.1	32.7	27.5	S	S	S	33.9	38.3	37.9
SCTG 05, Meat, fish, seafood, and their preparations	**6.5**	**5.8**	**5.8**	**7.8**	**9.0**	**8.6**	**7.3**	**7.8**	**7.9**	**13.1**	**10.1**	**10.3**
Less than 50 lb	38.4	45.6	42.2	S	S	S	S	S	S	S	S	S
50 to 99 lb	35.0	40.5	35.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	19.6	19.2	16.3	45.2	34.4	35.1	30.2	26.3	26.8	29.9	23.0	23.3
500 to 749 lb	17.2	19.3	19.8	32.2	31.0	29.4	29.8	35.2	38.0	25.9	27.9	27.6
750 to 999 lb	18.6	14.7	14.4	22.8	29.4	25.8	20.7	25.1	28.3	35.5	S	S
1,000 to 9,999 lb	10.2	10.8	11.1	9.6	12.4	12.6	17.6	16.7	17.2	23.0	15.2	15.6
10,000 to 49,999 lb	7.7	7.1	6.8	9.4	10.1	9.6	7.9	8.6	8.7	14.5	10.9	11.3
50,000 to 99,999 lb	S	37.5	46.1	45.9	37.4	38.8	42.9	31.8	33.0	S	S	S
100,000 lb or more	S	39.7	38.4	S	45.4	44.5	44.0	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**24.8**	**9.8**	**9.6**	**14.3**	**16.5**	**14.5**	**12.3**	**8.4**	**8.5**	**8.3**	**8.7**	**9.7**
Less than 50 lb	S	S	S	40.6	26.5	28.0	38.9	40.2	40.1	42.3	35.9	35.6
50 to 99 lb	44.5	32.5	31.8	48.6	39.0	43.6	S	42.9	42.7	S	S	S
100 to 499 lb	31.7	22.0	23.3	S	40.9	41.7	33.5	39.2	38.5	40.8	39.4	41.3
500 to 749 lb	S	32.5	35.8	S	S	48.5	S	S	S	S	48.3	47.3
750 to 999 lb	S	37.0	39.3	39.2	36.7	38.2	40.2	41.3	41.4	S	S	S
1,000 to 9,999 lb	28.5	17.7	17.3	27.9	17.8	17.7	25.2	19.1	19.3	18.1	16.0	16.3
10,000 to 49,999 lb	32.9	10.0	9.2	11.8	18.6	16.6	10.9	9.6	9.7	9.4	8.2	8.5
50,000 to 99,999 lb	36.2	43.9	S	44.9	S	S	48.9	S	S	S	46.5	46.6
100,000 lb or more	47.0	32.9	30.6	23.4	21.5	21.0	21.2	18.9	18.9	25.7	20.6	21.1

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	**17.5**	**11.4**	**11.0**	**5.9**	**7.9**	**8.1**	**7.8**	**11.8**	**12.6**	**7.8**	**13.2**	**13.2**
Less than 50 lb	31.3	27.5	28.2	23.0	21.9	21.4	39.8	37.0	36.2	46.2	45.8	45.4
50 to 99 lb	26.2	45.0	42.3	23.1	19.7	20.2	S	S	S	S	S	S
100 to 499 lb	15.2	24.7	21.9	22.5	19.7	19.3	33.1	29.5	30.2	S	45.3	45.2
500 to 749 lb	18.5	23.0	23.2	14.1	18.9	19.8	30.0	31.4	30.4	27.6	26.8	26.9
750 to 999 lb	11.4	17.1	15.9	21.3	20.6	22.6	33.8	38.9	39.1	39.5	41.0	41.4
1,000 to 9,999 lb	10.1	9.9	10.8	14.4	14.8	14.6	18.0	17.6	17.9	14.2	19.2	18.8
10,000 to 49,999 lb	24.5	12.2	12.0	6.7	9.4	9.1	6.5	8.7	9.0	9.4	10.9	11.1
50,000 to 99,999 lb	31.2	36.0	32.9	36.7	30.7	29.9	40.9	37.5	36.2	46.7	40.2	39.2
100,000 lb or more	40.1	35.2	34.4	13.9	14.0	15.2	26.0	21.4	22.8	41.6	39.9	37.8
SCTG 08, Alcoholic beverages	**10.5**	**13.3**	**13.4**	**18.3**	**17.2**	**16.7**	**18.8**	**22.4**	**24.8**	**21.9**	**29.2**	**28.7**
Less than 50 lb	24.3	21.5	21.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	23.2	19.4	20.3	S	42.8	40.8	S	S	S	S	S	S
100 to 499 lb	13.4	12.8	12.8	44.9	46.9	44.4	49.0	S	S	S	S	S
500 to 749 lb	25.1	16.4	17.3	S	S	S	S	S	S	–	–	–
750 to 999 lb	19.8	23.2	23.2	47.3	S	S	S	41.5	42.2	S	S	S
1,000 to 9,999 lb	14.0	22.8	21.4	34.4	31.3	32.8	30.7	34.3	35.5	32.9	S	S
10,000 to 49,999 lb	13.9	14.0	14.1	16.6	15.2	14.9	17.4	18.6	19.4	20.9	24.2	23.5
50,000 to 99,999 lb	30.9	30.0	27.7	37.6	37.5	36.2	S	S	S	S	S	S
100,000 lb or more	42.2	43.8	46.0	S	S	S	S	S	S	S	S	S
SCTG 09, Tobacco products	**16.5**	**19.5**	**18.5**	**22.0**	**18.4**	**18.5**	**21.7**	**20.9**	**20.9**	**27.6**	**26.2**	**26.7**
Less than 50 lb	29.2	24.3	25.8	25.3	33.1	35.3	36.0	22.5	24.0	28.3	34.8	35.5
50 to 99 lb	42.4	33.1	30.8	30.1	31.6	31.4	31.6	27.6	27.8	42.3	41.4	39.3
100 to 499 lb	18.0	19.1	20.3	25.9	24.4	23.6	28.2	22.8	22.3	35.8	37.0	37.1
500 to 749 lb	27.2	27.1	29.7	35.7	31.3	31.2	41.5	43.4	48.5	S	S	S
750 to 999 lb	39.3	37.8	39.4	40.8	33.2	34.2	S	S	S	S	S	S
1,000 to 9,999 lb	28.8	22.2	27.1	32.8	28.1	29.4	29.8	28.8	28.2	46.7	34.6	33.5
10,000 to 49,999 lb	32.3	21.9	19.8	24.7	19.9	20.1	26.5	25.8	25.8	32.0	32.5	33.0
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**42.7**	**31.9**	**32.6**	**37.8**	**25.8**	**25.0**	**31.3**	**24.8**	**25.4**	**41.6**	**34.0**	**32.7**
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	S	S
100 to 499 lb	S	S	S	48.7	45.5	46.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	49.1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	37.3	35.9	36.4	S	S	S	S	S	S
1,000 to 9,999 lb	32.0	38.6	42.4	41.4	30.8	31.5	35.6	29.9	29.1	32.8	35.0	34.8
10,000 to 49,999 lb	S	36.1	36.8	34.9	28.0	27.2	40.0	33.3	33.9	S	41.4	41.1
50,000 to 99,999 lb	43.9	S	S	38.0	36.8	34.5	–	–	–	S	S	S
100,000 lb or more	47.3	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	**17.6**	**26.1**	**31.9**	**23.9**	**30.0**	**30.3**	**36.1**	**31.9**	**34.2**	**38.4**	**37.4**	**39.9**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	31.8	34.2	36.2	S	35.4	37.6	32.4	47.7	S	S	S	S
10,000 to 49,999 lb	27.7	20.3	21.1	31.0	21.7	20.9	33.6	29.0	27.9	30.0	29.3	29.8
50,000 to 99,999 lb	18.8	23.7	22.2	34.7	45.7	45.0	S	49.9	48.6	–	–	–
100,000 lb or more	32.7	32.7	37.4	35.6	33.0	32.0	S	42.2	42.9	S	46.9	47.9
SCTG 12, Gravel and crushed stone	**9.7**	**11.7**	**12.0**	**16.9**	**22.6**	**23.1**	**S**	**43.1**	**46.4**	**35.7**	**34.3**	**34.2**
Less than 50 lb	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	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	29.8	28.7	29.3	31.0	31.9	S	S	S	S	S	S
10,000 to 49,999 lb	15.5	17.5	19.5	24.8	35.2	45.1	S	48.2	47.4	43.3	44.0	44.2
50,000 to 99,999 lb	19.1	22.6	22.7	30.4	38.4	37.3	S	S	S	47.1	46.1	46.1
100,000 lb or more	15.4	18.5	17.9	25.8	36.0	32.6	37.6	49.7	S	48.0	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**34.9**	**15.7**	**23.9**	**28.4**	**10.9**	**10.4**	**12.6**	**46.6**	**S**	**10.3**	**16.0**	**17.1**
Less than 50 lb	40.8	S	S	S	45.2	45.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	41.6	S	S	S	S	S
100 to 499 lb	42.9	36.5	36.0	S	46.7	47.8	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	47.2	42.7	47.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	36.5	36.2	38.0	29.6	35.4	33.6	39.4	38.4	37.3	S	36.6	36.1
10,000 to 49,999 lb	S	14.2	14.9	39.7	18.4	18.0	10.8	10.5	11.0	15.0	12.6	12.4
50,000 to 99,999 lb	26.9	17.1	20.9	34.9	22.0	22.3	30.4	27.4	26.4	S	40.9	42.6
100,000 lb or more	16.2	29.8	42.5	16.7	12.8	13.1	18.2	S	S	16.6	17.9	18.7

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	**27.9**	**46.5**	**37.3**	**29.8**	**28.5**	**29.5**	**20.2**	**36.0**	**40.0**	**28.9**	**41.2**	**42.2**
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	S	S
100 to 499 lb	47.1	46.1	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	45.4	45.9	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	47.1	40.6	38.9	35.5	43.1	43.3	41.1	35.6	35.1
10,000 to 49,999 lb	46.9	S	S	39.7	43.2	44.4	31.9	46.0	44.7	37.8	31.8	31.8
50,000 to 99,999 lb	41.9	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	39.0	38.6	34.3	49.6	41.1	43.5	39.0	37.2	42.5	45.8	46.6	46.4
SCTG 15, Coal	**11.9**	**12.9**	**13.3**	**11.5**	**12.5**	**12.3**	**23.8**	**26.6**	**29.5**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	41.7	43.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	35.5	34.9	35.4	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	35.7	37.0	40.4	43.5	44.4	45.2	S	S	S	–	–	–
100,000 lb or more	12.2	13.1	13.3	11.9	12.7	12.6	26.4	28.9	31.9	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**10.3**	**12.0**	**12.7**	**29.6**	**32.1**	**27.0**	**28.0**	**39.6**	**41.0**	**31.2**	**38.5**	**38.6**
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	26.0	30.6	30.2	46.8	41.0	39.3	S	S	S	S	S	S
10,000 to 49,999 lb	28.9	31.9	30.8	37.1	37.4	41.8	S	S	S	49.9	S	S
50,000 to 99,999 lb	17.9	20.8	20.6	31.2	30.6	36.1	S	S	S	S	S	S
100,000 lb or more	19.2	19.8	20.7	33.2	35.3	30.7	29.9	41.2	42.4	32.5	38.4	38.3
SCTG 18, Fuel oils	**21.0**	**18.5**	**20.7**	**28.3**	**28.9**	**S**	**33.5**	**33.4**	**31.5**	**S**	**S**	**S**
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	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	35.0	41.9	40.8	S	40.0	38.4	S	S	S	S	S	S
10,000 to 49,999 lb	23.2	22.7	22.2	37.9	39.2	45.6	S	S	S	S	S	S
50,000 to 99,999 lb	18.9	18.4	19.6	30.7	30.8	36.3	S	S	S	S	S	S
100,000 lb or more	27.1	22.8	24.3	34.2	34.0	S	35.2	35.2	32.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.1**	**13.9**	**14.8**	**13.4**	**13.4**	**17.2**	**24.7**	**24.3**	**22.8**	**18.8**	**13.5**	**15.2**
Less than 50 lb	31.7	31.8	36.0	48.6	42.7	38.0	30.5	S	S	41.8	48.5	S
50 to 99 lb	41.0	35.1	34.1	S	45.7	47.3	S	S	S	S	S	S
100 to 499 lb	33.2	28.5	34.4	25.4	22.0	22.3	50.0	S	S	34.0	30.0	29.7
500 to 749 lb	35.6	29.3	30.0	44.0	S	S	S	41.1	40.7	S	S	S
750 to 999 lb	38.7	44.1	38.4	S	35.1	37.0	S	S	S	S	S	S
1,000 to 9,999 lb	36.8	40.5	46.3	29.7	25.0	26.6	35.4	42.5	43.7	S	47.0	47.2
10,000 to 49,999 lb	11.1	11.8	11.0	12.9	12.4	13.1	45.2	S	S	26.1	21.0	20.7
50,000 to 99,999 lb	23.2	27.1	27.7	26.6	27.1	31.2	S	30.5	31.6	S	44.0	44.8
100,000 lb or more	18.8	20.8	21.7	23.0	18.2	22.0	31.7	20.0	19.6	25.6	18.0	20.6
SCTG 20, Basic chemicals	**9.3**	**12.2**	**13.5**	**35.8**	**29.4**	**25.0**	**7.2**	**10.7**	**12.0**	**10.9**	**20.5**	**22.7**
Less than 50 lb	25.4	35.2	32.9	32.2	23.5	25.7	48.7	31.0	30.5	42.9	35.9	36.3
50 to 99 lb	43.7	32.1	31.5	37.8	27.4	27.7	35.1	37.0	36.3	S	S	47.6
100 to 499 lb	27.3	20.6	21.0	20.2	19.3	18.2	19.6	13.0	13.0	38.1	38.2	37.6
500 to 749 lb	21.7	22.0	17.7	36.4	42.7	44.8	40.5	17.4	17.6	S	44.8	44.1
750 to 999 lb	14.9	35.5	30.1	S	S	S	21.8	19.0	19.2	35.9	33.6	33.9
1,000 to 9,999 lb	13.7	12.6	12.2	18.1	23.8	20.9	17.3	16.2	15.7	38.0	38.2	40.5
10,000 to 49,999 lb	11.1	18.3	19.1	28.6	28.9	25.4	9.0	7.1	7.2	12.6	14.7	14.2
50,000 to 99,999 lb	42.8	11.6	14.0	25.8	19.9	18.5	30.7	30.7	30.8	47.5	40.5	36.9
100,000 lb or more	15.9	13.6	16.5	46.9	30.7	26.2	13.2	13.8	15.1	13.2	24.3	26.2
SCTG 21, Pharmaceutical products	**9.4**	**12.5**	**12.0**	**13.8**	**34.0**	**35.6**	**14.6**	**41.0**	**40.4**	**15.2**	**30.1**	**29.6**
Less than 50 lb	11.8	10.9	10.9	13.7	14.8	14.2	18.1	16.6	16.7	20.8	17.1	17.1
50 to 99 lb	20.6	13.4	13.9	23.2	17.4	16.4	36.9	S	S	28.3	23.5	23.5
100 to 499 lb	12.4	11.5	12.0	20.5	16.2	17.4	22.6	15.2	15.8	S	34.6	34.5
500 to 749 lb	45.9	23.3	25.8	S	28.0	27.5	31.0	35.2	34.9	S	43.4	46.4
750 to 999 lb	34.9	35.9	34.9	S	35.8	36.8	45.1	32.8	31.5	S	S	S
1,000 to 9,999 lb	38.3	25.7	23.3	30.4	17.8	19.3	29.1	35.4	34.4	30.2	20.3	21.2
10,000 to 49,999 lb	20.0	20.2	18.4	24.9	40.2	41.3	25.5	45.5	44.6	21.2	38.3	37.9
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	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	**12.0**	**10.8**	**11.8**	**9.5**	**12.4**	**11.5**	**15.3**	**15.1**	**17.8**	**17.1**	**19.0**	**22.5**
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	43.7	36.1	34.1	46.2	39.4	39.6	S	S	S	S	S	S
500 to 749 lb	34.5	29.4	30.1	46.5	48.9	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	44.6	42.2	S	S	S	–	–	–
1,000 to 9,999 lb	29.7	22.7	23.1	34.3	32.5	35.2	S	S	S	S	S	S
10,000 to 49,999 lb	13.9	12.3	11.7	19.5	22.2	22.9	27.7	32.5	31.8	19.9	21.5	20.5
50,000 to 99,999 lb	17.8	16.0	16.7	21.5	19.2	18.0	33.4	29.0	29.5	S	S	S
100,000 lb or more	17.4	17.8	18.8	13.1	16.9	15.1	19.8	18.4	20.9	19.5	20.5	23.8
SCTG 23, Chemical products and preparations, n.e.c.	**14.4**	**11.6**	**13.2**	**8.8**	**13.1**	**13.7**	**7.5**	**8.3**	**8.5**	**6.8**	**9.2**	**9.7**
Less than 50 lb	20.2	18.3	19.5	26.9	23.3	23.3	15.2	20.0	20.0	25.9	19.1	18.0
50 to 99 lb	17.9	12.4	13.1	21.7	25.9	26.2	28.5	25.8	25.6	34.8	23.9	21.5
100 to 499 lb	13.2	8.9	8.7	12.2	14.9	16.3	16.6	25.0	24.4	21.8	13.8	14.0
500 to 749 lb	20.9	21.3	24.2	23.1	14.9	14.3	34.0	14.8	14.7	18.5	17.2	17.9
750 to 999 lb	15.6	15.3	16.0	22.5	16.8	14.9	39.9	15.2	15.9	18.3	24.4	23.3
1,000 to 9,999 lb	7.6	10.6	10.4	12.8	9.3	9.0	18.0	10.5	10.5	10.7	13.5	13.8
10,000 to 49,999 lb	26.8	14.2	15.1	11.1	13.7	13.5	9.1	9.1	9.1	9.1	10.0	10.2
50,000 to 99,999 lb	34.6	25.1	24.0	34.8	44.2	43.4	39.8	S	S	S	S	S
100,000 lb or more	34.0	S	S	45.8	34.5	37.4	24.0	22.2	22.8	21.3	20.8	21.0
SCTG 24, Plastics and rubber	**5.2**	**7.8**	**7.7**	**7.9**	**6.3**	**6.2**	**5.0**	**6.6**	**7.0**	**5.3**	**10.4**	**10.7**
Less than 50 lb	9.6	13.5	14.6	10.8	10.7	10.7	12.2	14.4	15.3	18.7	30.6	29.1
50 to 99 lb	15.2	20.8	23.9	14.5	12.6	11.8	19.5	18.0	17.9	25.1	14.2	14.4
100 to 499 lb	10.1	8.6	7.8	7.8	7.0	7.2	12.7	14.2	14.1	11.8	11.4	11.4
500 to 749 lb	12.7	16.3	14.2	12.7	9.6	9.5	11.9	8.7	8.9	28.0	22.7	22.7
750 to 999 lb	7.8	6.4	6.3	9.0	9.8	9.8	12.4	11.5	11.4	17.0	14.6	14.0
1,000 to 9,999 lb	7.7	8.6	7.9	8.9	8.2	8.4	6.3	8.0	8.0	7.5	7.9	7.6
10,000 to 49,999 lb	5.5	9.1	9.0	11.6	8.2	8.0	7.7	7.3	6.8	7.1	12.0	12.5
50,000 to 99,999 lb	33.5	35.2	41.0	48.5	39.2	37.0	41.1	39.7	38.3	47.4	35.7	34.4
100,000 lb or more	21.2	17.5	18.9	13.4	14.9	14.8	10.4	14.1	14.7	13.2	13.1	13.1
SCTG 25, Logs and other wood in the rough	**19.6**	**38.7**	**43.1**	**22.1**	**33.7**	**32.9**	**33.9**	**S**	**S**	**33.7**	**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	–	–	–	–	–	–
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	–	–	–
750 to 999 lb	S	S	49.4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	30.8	29.4	28.9	S	37.0	35.4	S	42.1	40.2	S	45.2	45.3
10,000 to 49,999 lb	16.1	38.8	34.3	28.3	20.2	19.6	S	32.7	33.5	35.0	40.6	40.8
50,000 to 99,999 lb	25.7	27.6	25.9	24.0	31.6	31.1	42.0	48.2	49.1	S	S	S
100,000 lb or more	S	S	S	36.8	S	S	40.6	S	S	S	S	S
SCTG 26, Wood products	**13.7**	**23.0**	**27.2**	**9.8**	**17.9**	**15.1**	**8.9**	**13.5**	**13.9**	**12.6**	**24.6**	**24.5**
Less than 50 lb	23.7	15.5	16.1	29.7	30.7	30.7	32.0	32.6	33.8	35.4	36.4	35.8
50 to 99 lb	19.0	16.3	19.3	24.6	27.7	26.6	46.7	39.8	39.7	S	48.2	48.6
100 to 499 lb	18.2	19.8	19.8	23.4	31.7	30.8	22.9	19.4	19.7	27.1	17.2	17.7
500 to 749 lb	14.3	14.2	14.1	16.4	18.9	17.8	34.2	24.8	24.4	27.8	24.7	25.5
750 to 999 lb	30.2	29.5	30.5	23.0	22.9	22.6	29.7	27.6	28.3	28.9	25.8	26.6
1,000 to 9,999 lb	13.5	12.0	12.8	15.3	17.6	16.7	13.2	15.1	15.0	20.5	18.3	18.7
10,000 to 49,999 lb	10.2	19.5	21.5	12.2	18.4	16.3	14.1	14.7	14.0	14.9	15.4	15.2
50,000 to 99,999 lb	8.6	10.6	9.8	12.8	26.6	23.0	13.4	13.4	14.1	19.2	20.4	23.5
100,000 lb or more	S	45.5	48.7	12.3	16.3	13.6	16.6	25.7	25.7	26.9	40.2	38.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.4**	**8.5**	**8.8**	**6.4**	**6.0**	**6.6**	**5.7**	**5.1**	**5.0**	**9.3**	**11.6**	**12.1**
Less than 50 lb	23.7	17.7	15.8	25.9	22.4	20.1	45.2	33.0	34.9	S	S	S
50 to 99 lb	30.8	23.8	19.9	29.7	26.3	28.6	40.4	29.9	28.2	43.2	35.8	36.2
100 to 499 lb	9.8	11.6	11.7	15.7	19.7	20.8	29.3	23.5	23.9	41.2	35.4	35.7
500 to 749 lb	19.9	13.7	14.3	42.2	20.5	22.3	18.6	31.4	33.2	27.6	35.0	37.9
750 to 999 lb	32.3	21.0	25.7	21.2	27.0	27.6	22.3	28.6	29.1	S	48.9	48.7
1,000 to 9,999 lb	11.1	11.0	12.1	15.1	10.1	10.4	37.2	19.3	19.4	24.3	17.6	18.0
10,000 to 49,999 lb	14.0	9.8	10.0	8.0	6.5	6.6	7.8	7.0	7.1	10.4	10.0	10.1
50,000 to 99,999 lb	32.2	S	S	18.0	22.9	23.2	34.5	28.2	28.0	31.2	28.1	28.0
100,000 lb or more	11.8	10.0	10.6	8.0	9.0	9.8	4.3	5.9	6.0	13.8	17.1	17.8
SCTG 28, Paper or paperboard articles	**11.5**	**5.6**	**5.1**	**10.4**	**8.4**	**8.2**	**9.1**	**9.4**	**9.6**	**15.4**	**12.2**	**12.2**
Less than 50 lb	36.4	25.8	20.5	16.9	15.1	16.0	21.5	21.2	21.2	21.4	21.9	21.2
50 to 99 lb	14.7	12.7	14.0	26.0	29.7	25.9	38.4	42.6	40.0	45.6	49.1	48.8
100 to 499 lb	12.7	10.3	10.1	20.4	21.2	20.1	23.5	18.0	19.1	22.0	24.2	26.0
500 to 749 lb	16.6	23.0	24.8	S	S	45.7	23.7	21.0	20.9	29.3	28.1	28.9
750 to 999 lb	28.1	17.3	16.5	26.0	23.1	20.7	23.7	23.2	23.4	36.9	26.4	27.2
1,000 to 9,999 lb	22.1	10.3	9.8	10.8	11.4	11.0	12.0	17.3	18.0	25.0	21.4	21.5
10,000 to 49,999 lb	10.8	6.1	5.8	12.8	10.8	10.7	9.6	9.2	9.5	17.3	11.4	11.4
50,000 to 99,999 lb	S	33.1	31.3	38.4	30.7	31.2	S	S	S	S	S	S
100,000 lb or more	S	46.9	43.7	44.3	37.5	38.2	49.5	38.4	37.5	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	**15.3**	**8.0**	**9.0**	**11.3**	**11.4**	**10.9**	**8.8**	**13.3**	**12.9**	**7.6**	**8.2**	**8.2**
Less than 50 lb	10.6	15.8	12.7	13.9	17.7	19.0	15.4	13.3	13.3	12.8	16.0	16.2
50 to 99 lb	19.6	17.1	17.8	24.7	20.6	20.9	29.6	21.3	21.4	29.2	21.8	21.1
100 to 499 lb	13.7	9.2	9.8	18.4	19.1	20.5	21.1	24.1	23.7	18.6	12.2	12.2
500 to 749 lb	20.0	20.8	21.6	18.0	12.6	12.9	48.6	23.5	22.1	21.9	20.0	19.8
750 to 999 lb	24.7	21.1	21.2	19.6	13.8	13.8	29.0	21.6	21.9	44.9	22.4	22.2
1,000 to 9,999 lb	36.4	13.3	15.2	18.5	15.3	13.1	18.3	18.7	21.2	22.6	11.5	10.8
10,000 to 49,999 lb	11.0	10.9	11.2	12.4	14.3	14.1	17.1	20.5	20.0	18.8	14.0	13.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	48.9	49.8	S	S	S
100,000 lb or more	48.5	41.1	38.9	S	S	S	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**14.3**	**8.3**	**8.8**	**8.4**	**10.1**	**9.2**	**7.4**	**9.6**	**9.3**	**5.5**	**8.2**	**8.2**
Less than 50 lb	8.6	8.2	7.7	9.1	8.4	8.4	7.4	7.5	7.7	8.2	7.3	7.4
50 to 99 lb	10.0	9.1	9.7	12.4	9.7	9.3	11.6	10.0	10.1	12.8	10.0	10.0
100 to 499 lb	7.0	7.8	7.4	10.3	8.3	8.5	6.5	7.2	7.2	12.4	9.6	9.6
500 to 749 lb	34.2	12.8	12.1	12.4	10.2	10.0	10.9	17.8	17.8	17.6	16.7	16.6
750 to 999 lb	19.0	10.9	10.2	16.7	11.3	12.3	20.0	14.2	13.9	26.3	21.2	21.0
1,000 to 9,999 lb	38.7	9.5	8.7	9.5	9.6	9.5	12.0	10.8	10.7	11.5	13.1	12.4
10,000 to 49,999 lb	8.8	7.1	6.8	17.8	14.5	13.5	12.1	12.8	12.6	9.0	9.9	10.0
50,000 to 99,999 lb	S	S	S	S	44.8	43.9	28.0	37.6	39.6	S	S	S
100,000 lb or more	49.2	49.7	46.3	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**8.4**	**7.0**	**5.9**	**5.5**	**6.9**	**7.2**	**8.6**	**7.5**	**7.2**	**9.3**	**9.3**	**9.4**
Less than 50 lb	16.9	19.4	19.2	24.2	14.6	13.6	17.9	12.8	12.9	13.2	16.7	16.8
50 to 99 lb	20.0	34.1	37.5	23.6	28.8	29.2	18.5	23.1	23.2	37.4	20.5	21.3
100 to 499 lb	17.2	20.2	22.0	19.8	14.3	14.1	25.2	30.0	30.1	33.8	24.9	24.9
500 to 749 lb	27.2	36.5	37.8	36.9	18.8	19.5	34.4	29.5	29.0	43.4	43.0	42.1
750 to 999 lb	22.3	22.5	24.0	25.5	20.5	19.3	25.5	24.2	22.9	S	S	48.8
1,000 to 9,999 lb	33.4	13.4	12.5	15.8	12.6	11.0	23.4	16.4	16.8	16.5	18.0	17.7
10,000 to 49,999 lb	7.4	12.7	11.2	6.4	7.9	8.1	7.2	6.9	6.9	10.4	9.8	9.8
50,000 to 99,999 lb	9.4	11.0	10.5	10.5	10.9	10.7	S	29.4	29.0	27.7	29.5	29.4
100,000 lb or more	13.4	13.0	13.3	16.6	12.8	13.3	18.4	24.3	21.0	29.8	26.4	26.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**5.9**	**11.9**	**12.8**	**5.1**	**10.2**	**11.5**	**6.7**	**11.4**	**11.9**	**9.9**	**10.9**	**13.2**
Less than 50 lb	30.4	17.2	19.2	19.1	13.3	12.9	S	17.1	16.9	34.2	24.7	25.2
50 to 99 lb	25.0	15.6	15.8	19.2	13.5	13.7	24.2	25.4	22.7	36.6	29.1	29.9
100 to 499 lb	15.3	13.9	16.3	13.6	13.1	12.9	23.8	17.2	16.9	28.8	21.2	21.7
500 to 749 lb	20.8	17.2	21.0	14.7	15.6	16.3	15.0	12.5	12.4	37.9	24.2	24.3
750 to 999 lb	25.4	16.6	20.3	30.9	23.4	23.8	14.7	15.3	15.3	16.5	20.7	21.3
1,000 to 9,999 lb	8.9	8.6	8.5	8.8	8.2	7.9	12.2	8.4	8.3	19.0	16.9	17.4
10,000 to 49,999 lb	5.9	5.5	5.8	5.5	7.4	7.6	7.2	8.6	8.7	9.7	9.6	9.7
50,000 to 99,999 lb	23.7	25.7	26.8	25.1	21.2	22.3	24.6	41.4	40.2	31.8	37.7	34.1
100,000 lb or more	34.2	37.4	35.8	15.9	23.6	24.1	21.3	29.9	29.2	21.0	20.5	23.9
SCTG 33, Articles of base metal	**4.7**	**10.7**	**11.1**	**6.8**	**11.5**	**11.5**	**6.0**	**17.4**	**17.3**	**6.2**	**11.8**	**15.2**
Less than 50 lb	12.1	13.2	14.2	21.6	12.9	12.4	11.2	10.6	9.7	11.3	12.2	12.1
50 to 99 lb	13.5	12.5	11.8	14.4	8.8	9.3	20.8	12.0	12.4	20.8	19.7	19.6
100 to 499 lb	13.3	14.7	15.9	10.0	11.4	10.8	9.2	7.0	7.1	16.1	12.6	12.9
500 to 749 lb	19.4	9.7	10.0	13.3	12.5	13.7	13.1	13.0	12.9	43.9	25.0	25.0
750 to 999 lb	17.7	9.0	8.9	11.0	11.0	9.7	22.8	10.7	10.6	24.0	15.3	15.5
1,000 to 9,999 lb	8.4	6.6	6.6	6.5	7.4	7.8	13.4	7.8	8.2	12.9	7.6	7.6
10,000 to 49,999 lb	7.6	16.0	16.4	7.2	12.0	11.6	5.4	18.4	18.2	10.9	10.6	11.0
50,000 to 99,999 lb	36.0	35.9	33.3	S	42.9	44.3	46.7	48.9	49.3	42.8	37.8	38.9
100,000 lb or more	25.8	38.6	43.7	36.4	41.4	39.9	40.1	41.1	40.7	48.3	42.5	47.4
SCTG 34, Machinery	**8.9**	**10.5**	**8.1**	**13.8**	**10.6**	**11.5**	**5.4**	**5.5**	**5.5**	**10.4**	**9.1**	**9.0**
Less than 50 lb	8.2	12.3	12.6	7.7	12.9	12.3	10.0	13.5	12.1	20.3	15.3	14.9
50 to 99 lb	14.9	23.9	24.2	9.1	19.4	17.3	11.4	16.1	14.1	11.7	26.1	24.1
100 to 499 lb	7.5	9.6	9.7	11.5	9.1	8.4	8.7	6.6	7.0	10.9	10.0	10.1
500 to 749 lb	17.0	10.7	10.5	21.5	14.3	13.5	27.6	11.3	12.0	15.6	9.9	10.2
750 to 999 lb	37.0	16.7	14.1	15.7	9.0	9.2	13.8	12.8	12.9	28.3	32.7	32.6
1,000 to 9,999 lb	9.1	11.6	11.6	14.8	6.9	7.2	8.9	9.1	8.8	24.5	10.9	11.3
10,000 to 49,999 lb	18.7	19.2	15.1	26.9	16.4	17.7	8.6	8.7	8.9	16.0	14.2	14.1
50,000 to 99,999 lb	27.0	35.2	36.8	23.2	24.7	23.6	24.5	27.0	26.3	24.6	22.5	23.6
100,000 lb or more	S	35.7	36.2	S	39.9	38.3	42.7	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**18.2**	**16.0**	**17.2**	**22.2**	**8.0**	**7.8**	**10.0**	**11.5**	**11.3**	**9.2**	**14.3**	**15.0**
Less than 50 lb	8.9	11.9	13.0	8.5	7.1	7.2	8.2	6.1	5.9	8.1	8.0	8.0
50 to 99 lb	15.8	21.9	22.4	12.1	22.8	19.6	11.7	13.8	14.1	11.1	13.1	12.8
100 to 499 lb	18.2	29.3	29.1	13.2	21.0	17.9	11.4	9.5	8.9	18.1	13.6	13.7
500 to 749 lb	31.7	S	S	18.2	35.1	32.4	21.1	13.6	13.4	24.5	13.6	13.5
750 to 999 lb	19.3	40.8	46.8	26.9	36.5	32.8	25.6	27.2	24.9	37.2	26.7	27.7
1,000 to 9,999 lb	34.5	25.5	27.4	S	16.1	16.5	27.6	17.9	17.1	18.1	14.0	13.5
10,000 to 49,999 lb	45.4	12.8	12.6	7.6	8.4	8.7	12.4	14.9	14.9	27.1	12.4	12.3
50,000 to 99,999 lb	42.7	48.9	49.2	29.6	30.1	30.9	40.9	38.4	36.7	S	S	S
100,000 lb or more	S	48.3	48.5	S	40.4	41.0	43.9	39.5	39.2	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)	**10.6**	**9.5**	**9.0**	**9.0**	**9.4**	**10.0**	**12.6**	**10.6**	**11.3**	**14.4**	**15.0**	**15.4**
Less than 50 lb	8.9	7.9	8.5	13.1	10.1	9.5	15.7	13.9	13.3	15.2	11.9	11.6
50 to 99 lb	25.2	18.6	17.7	16.0	16.5	15.7	17.9	14.0	14.2	20.3	25.2	25.7
100 to 499 lb	16.2	11.7	12.2	19.4	14.3	14.0	20.5	15.6	15.3	18.2	21.1	23.5
500 to 749 lb	30.3	15.2	13.5	41.0	23.8	22.0	36.1	20.5	20.9	20.4	21.9	21.5
750 to 999 lb	18.4	25.5	30.0	34.9	27.4	23.0	28.9	25.5	27.2	39.8	25.8	25.2
1,000 to 9,999 lb	13.0	12.8	11.3	15.6	15.9	16.1	20.7	23.4	24.6	25.4	28.2	29.5
10,000 to 49,999 lb	14.3	11.8	11.4	12.0	10.9	11.8	16.5	12.4	12.6	18.0	13.6	14.2
50,000 to 99,999 lb	S	40.9	39.8	44.2	31.1	32.1	S	S	S	38.5	33.5	32.4
100,000 lb or more	S	S	S	S	41.8	42.5	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**30.8**	**23.3**	**23.8**	**8.0**	**22.7**	**25.9**	**13.4**	**19.6**	**20.5**	**17.9**	**21.2**	**22.7**
Less than 50 lb	42.8	S	44.6	15.6	18.3	18.4	21.9	19.5	19.2	25.6	23.0	22.5
50 to 99 lb	36.4	32.0	31.6	33.5	28.0	29.3	S	26.5	27.8	43.6	23.7	24.0
100 to 499 lb	41.1	23.4	23.6	24.6	24.7	23.7	34.5	35.1	36.4	36.2	24.5	23.8
500 to 749 lb	S	29.5	24.5	33.9	41.6	39.7	30.2	27.0	25.8	40.7	34.1	34.0
750 to 999 lb	S	44.6	46.1	36.3	32.3	33.6	35.4	34.1	35.7	44.7	37.2	37.1
1,000 to 9,999 lb	45.8	27.3	24.2	14.9	17.6	16.5	14.0	14.5	14.6	22.5	29.7	30.5
10,000 to 49,999 lb	19.7	34.1	30.8	27.8	26.6	28.3	34.8	27.3	27.6	16.9	20.7	20.3
50,000 to 99,999 lb	S	S	S	46.6	48.2	49.9	S	45.8	44.9	–	–	–
100,000 lb or more	S	S	S	36.9	45.5	43.2	40.4	40.9	40.7	45.1	43.8	44.9
SCTG 38, Precision instruments and apparatus	**10.6**	**20.9**	**17.7**	**11.9**	**25.6**	**18.5**	**25.2**	**34.4**	**33.6**	**29.2**	**23.2**	**22.5**
Less than 50 lb	21.0	16.7	15.8	17.7	12.4	12.6	40.5	32.7	32.4	46.1	47.2	45.4
50 to 99 lb	20.1	43.9	40.9	15.1	14.9	14.7	17.8	19.9	20.3	S	S	S
100 to 499 lb	18.6	19.7	19.6	19.1	20.3	21.6	15.7	25.5	26.9	22.0	15.4	15.8
500 to 749 lb	27.1	28.4	29.9	29.6	30.3	28.4	48.5	20.9	22.7	34.8	28.3	29.1
750 to 999 lb	32.3	28.4	27.8	33.4	27.2	28.0	33.2	46.0	44.8	44.6	S	S
1,000 to 9,999 lb	29.3	31.5	28.1	19.2	22.0	21.2	35.5	33.1	34.5	S	37.2	36.7
10,000 to 49,999 lb	47.8	S	S	35.7	30.9	31.8	43.1	S	S	44.8	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**26.3**	**19.2**	**15.6**	**20.5**	**11.5**	**11.9**	**5.4**	**7.1**	**6.8**	**10.2**	**8.3**	**8.1**
Less than 50 lb	15.5	10.2	9.8	20.5	15.1	14.5	16.7	15.7	15.3	19.7	23.0	23.3
50 to 99 lb	12.1	11.2	12.2	7.4	7.7	7.7	9.1	9.3	9.5	15.2	18.9	19.5
100 to 499 lb	9.7	10.8	10.8	5.6	4.9	4.7	5.4	4.6	4.5	33.7	8.3	8.5
500 to 749 lb	11.2	11.8	12.3	10.8	10.7	9.7	7.8	7.8	8.1	26.1	12.0	12.1
750 to 999 lb	19.5	20.1	19.6	10.8	13.4	13.0	14.7	13.4	13.6	16.8	16.4	15.5
1,000 to 9,999 lb	10.2	11.4	10.8	38.2	17.1	14.6	7.7	10.0	9.5	8.4	9.2	9.3
10,000 to 49,999 lb	S	38.8	32.0	14.2	16.3	19.2	14.8	11.8	11.8	23.2	20.8	20.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	40.9	41.4	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	**17.6**	**9.8**	**9.3**	**8.4**	**7.7**	**7.6**	**9.1**	**9.3**	**9.1**	**14.5**	**15.1**	**14.9**
Less than 50 lb	7.9	8.6	9.0	25.9	9.2	8.9	28.2	10.3	10.4	36.3	8.8	8.5
50 to 99 lb	9.7	15.2	13.0	11.8	11.8	12.8	11.5	11.2	11.0	14.5	15.9	15.3
100 to 499 lb	7.4	7.9	8.4	9.9	9.9	10.3	7.0	11.7	10.2	10.3	9.2	9.0
500 to 749 lb	12.8	10.9	10.5	17.4	9.2	8.4	10.8	10.0	10.3	28.1	17.3	16.7
750 to 999 lb	14.6	15.7	16.6	13.5	20.7	18.6	15.6	10.9	10.1	17.0	19.2	19.4
1,000 to 9,999 lb	10.5	11.1	10.5	8.9	6.9	6.8	7.7	8.3	8.2	7.6	8.9	9.0
10,000 to 49,999 lb	35.7	11.5	11.1	9.0	9.3	8.7	8.1	13.5	13.4	21.4	23.0	22.9
50,000 to 99,999 lb	20.7	26.9	23.5	26.4	23.6	23.9	26.9	29.0	30.7	26.9	34.3	34.5
100,000 lb or more	29.7	28.3	29.7	40.0	31.9	36.0	46.2	34.7	37.1	46.1	34.6	34.9
SCTG 41, Waste and scrap	**7.3**	**10.1**	**11.9**	**13.6**	**14.7**	**14.0**	**15.0**	**22.6**	**21.4**	**21.8**	**15.3**	**15.3**
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	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	30.7	30.7	30.8	35.2	41.7	46.3	46.6	S	S	S	S	S
10,000 to 49,999 lb	8.3	10.5	11.5	11.5	24.3	22.6	15.8	28.3	24.7	20.3	19.0	18.7
50,000 to 99,999 lb	19.5	17.8	19.7	35.9	41.6	40.2	S	S	S	S	S	S
100,000 lb or more	15.7	15.1	16.3	31.9	19.4	19.3	42.1	38.4	40.4	36.2	28.9	28.5
SCTG 43, Mixed freight	**16.0**	**14.1**	**13.9**	**29.5**	**17.4**	**17.3**	**22.7**	**21.4**	**21.0**	**19.8**	**29.6**	**30.4**
Less than 50 lb	39.2	49.6	S	39.2	S	S	42.1	S	S	S	43.3	47.4
50 to 99 lb	33.0	35.0	33.6	37.5	48.7	48.8	S	S	S	38.2	44.3	44.2
100 to 499 lb	15.8	19.8	20.6	31.4	44.0	43.9	33.2	32.7	32.4	41.1	34.8	34.8
500 to 749 lb	18.2	17.4	18.3	25.3	31.0	29.8	S	26.9	26.6	S	S	S
750 to 999 lb	15.9	16.9	18.2	36.4	40.2	39.8	36.0	47.1	47.0	43.8	S	49.7
1,000 to 9,999 lb	18.0	9.4	9.8	17.1	17.0	17.9	32.6	28.5	29.3	48.4	S	S
10,000 to 49,999 lb	23.4	19.3	18.8	44.5	26.4	25.2	39.3	30.6	30.2	28.4	23.7	23.9
50,000 to 99,999 lb	32.1	34.0	35.5	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	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	**23.6**	**20.9**	**21.3**	**22.1**	**S**	**S**	**22.8**	**39.3**	**41.0**	**21.0**	**36.6**	**37.0**
Less than 50 lb	28.3	22.0	25.6	29.2	19.0	20.3	22.3	29.8	32.1	48.9	24.9	25.5
50 to 99 lb	47.0	19.4	17.4	35.0	22.0	19.6	40.2	32.7	33.6	S	S	S
100 to 499 lb	28.3	20.8	24.1	41.6	36.5	39.7	20.5	33.3	30.6	29.5	28.5	28.9
500 to 749 lb	S	S	43.5	19.0	27.9	26.0	36.2	31.4	28.6	S	37.3	38.9
750 to 999 lb	49.6	38.9	41.5	49.5	46.2	49.7	34.7	32.2	31.7	S	S	S
1,000 to 9,999 lb	33.5	31.7	31.1	23.0	34.1	35.5	21.3	39.1	38.7	34.5	S	S
10,000 to 49,999 lb	34.7	26.0	27.4	32.6	26.5	25.7	35.3	49.4	S	24.0	24.8	24.4
50,000 to 99,999 lb	26.5	32.5	37.3	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

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	**8.1**	**12.6**	**15.0**	**6.6**	**6.1**	**6.9**	**5.4**	**6.0**	**6.0**
Less than 50 lb	13.6	6.0	6.0	8.7	4.4	4.4	5.3	4.4	4.5
50 to 99 lb	21.5	8.1	8.1	21.1	12.3	10.9	15.0	5.1	5.1
100 to 499 lb	23.9	9.5	9.5	23.8	9.0	8.0	11.2	9.3	8.9
500 to 749 lb	11.1	6.8	6.9	14.1	7.6	6.7	11.1	8.5	8.4
750 to 999 lb	16.9	11.4	12.4	22.8	14.3	14.5	14.6	7.3	7.5
1,000 to 9,999 lb	8.5	7.5	8.0	10.8	6.4	6.7	11.6	7.3	7.2
10,000 to 49,999 lb	9.8	10.6	11.3	10.7	5.4	5.4	8.5	6.6	6.6
50,000 to 99,999 lb	27.6	24.7	23.5	17.5	13.9	14.5	S	11.5	11.7
100,000 lb or more	17.4	17.1	20.4	12.5	13.9	14.8	22.0	20.4	19.8
SCTG 01, Live animals and live fish	**31.1**	**31.0**	**31.0**	**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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	43.6	46.0	46.0	S	S	S	–	–	–
50,000 to 99,999 lb	42.9	43.2	42.6	S	S	S	–	–	–
100,000 lb or more	49.8	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**13.7**	**21.7**	**21.1**	**29.8**	**32.8**	**31.2**	**42.3**	**26.7**	**26.7**
Less than 50 lb	39.9	46.9	46.5	41.4	S	S	47.2	S	S
50 to 99 lb	22.4	17.6	17.7	35.2	31.8	31.2	40.7	39.9	40.9
100 to 499 lb	16.3	12.4	12.6	26.1	32.0	34.0	23.4	23.9	24.6
500 to 749 lb	19.4	21.5	22.0	S	S	S	S	S	S
750 to 999 lb	22.0	30.2	30.3	–	–	–	S	48.3	48.0
1,000 to 9,999 lb	18.2	21.7	21.2	29.3	27.6	27.6	32.9	45.0	42.8
10,000 to 49,999 lb	18.5	20.9	21.0	37.6	49.0	47.9	34.5	36.1	36.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	48.9	34.9	34.1	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**15.9**	**21.4**	**21.3**	**48.0**	**30.2**	**30.8**	**S**	**38.3**	**38.9**
Less than 50 lb	S	48.0	48.0	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
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	40.4	30.9	31.2	30.7	32.5	33.5	S	S	S
10,000 to 49,999 lb	24.2	33.1	31.2	S	S	S	S	S	S
50,000 to 99,999 lb	39.8	S	S	46.6	40.2	39.7	S	S	S
100,000 lb or more	44.0	34.7	37.4	S	S	S	40.1	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**13.7**	**17.9**	**15.9**	**14.4**	**11.9**	**11.5**	**17.7**	**20.2**	**20.6**
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	S	41.4	41.1	S	48.0	49.3	S	S	S
500 to 749 lb	48.7	50.0	48.5	S	S	S	S	S	S
750 to 999 lb	35.2	34.2	34.8	29.5	31.7	31.7	S	S	S
1,000 to 9,999 lb	16.6	15.5	14.6	25.5	18.1	16.2	23.0	19.7	20.1
10,000 to 49,999 lb	15.5	18.5	16.6	14.6	12.8	12.4	20.3	18.8	19.3
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 06, Milled grain products and preparations, and bakery products	**15.7**	**13.9**	**13.9**	**18.7**	**18.9**	**19.1**	**26.2**	**27.6**	**27.1**
Less than 50 lb	42.7	38.8	40.0	45.1	S	S	48.5	49.9	47.2
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
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
1,000 to 9,999 lb	23.4	26.7	26.3	36.8	34.2	34.2	24.4	23.9	23.5
10,000 to 49,999 lb	17.2	15.1	15.1	20.0	18.2	17.5	27.8	29.1	28.6
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	28.2	24.8	24.4	42.6	42.7	43.2	–	–	–

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	**10.9**	**19.9**	**19.4**	**10.6**	**22.9**	**26.8**	**12.5**	**14.1**	**14.7**
Less than 50 lb	S	S	S	44.3	36.7	36.6	42.7	36.5	36.2
50 to 99 lb	47.5	S	S	S	S	S	S	47.3	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	34.7	44.2	40.0	S	S	S	S	S	S
750 to 999 lb	41.5	40.0	41.3	43.2	37.9	38.4	S	S	S
1,000 to 9,999 lb	21.0	15.2	15.8	31.2	26.2	26.7	32.0	48.7	48.6
10,000 to 49,999 lb	11.8	13.9	14.5	12.7	27.7	32.6	13.6	15.9	16.5
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	39.3	38.9	36.0	46.1	46.5	S	–	–	–
SCTG 08, Alcoholic beverages	**40.1**	**26.9**	**26.8**	**28.9**	**37.0**	**36.8**	**44.6**	**44.1**	**45.0**
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	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	43.9	40.0	41.5	S	S	S
10,000 to 49,999 lb	41.3	26.9	27.3	29.7	38.0	37.7	44.6	44.0	44.9
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**44.8**	**44.4**	**46.3**	**39.1**	**37.8**	**38.4**	**39.1**	**43.2**	**44.1**
Less than 50 lb	45.9	32.7	33.0	34.7	40.2	38.4	49.5	35.2	34.7
50 to 99 lb	S	S	S	S	S	S	S	47.0	47.7
100 to 499 lb	33.4	32.5	32.1	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	49.4	S	S	S	S	47.5	S	S
10,000 to 49,999 lb	48.3	47.7	49.6	40.5	41.0	41.5	39.8	41.4	41.9
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**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	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
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**37.9**	**30.9**	**32.5**	**40.0**	**S**	**S**	**47.0**	**48.0**	**47.6**
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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	44.6	S	S	46.1	47.1	46.7
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	49.0	38.1	41.0	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**18.5**	**21.4**	**21.2**	**21.1**	**34.6**	**33.3**	**28.1**	**36.1**	**37.1**
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	S	S	S	45.0	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	48.0	S	S	S	S	S	S	S
10,000 to 49,999 lb	47.1	46.1	48.1	27.4	27.1	26.9	35.5	26.4	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.7	25.4	25.0	47.9	S	48.9	39.0	43.0	43.2

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	**26.1**	**45.7**	**47.9**	**S**	**S**	**S**	**43.5**	**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	S	S	S
100 to 499 lb	S	S	S	S	S	S	48.0	S	S
500 to 749 lb	40.5	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	39.6	40.1	S	S	S	S	S	S
10,000 to 49,999 lb	S	46.7	46.6	49.1	40.5	43.9	46.2	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 15, Coal	**S**	**S**	**S**	**47.1**	**S**	**S**	**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	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	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**44.3**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	48.5	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**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	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**18.4**	**25.4**	**28.4**	**24.3**	**27.8**	**27.1**	**42.4**	**45.4**	**45.4**
Less than 50 lb	S	S	S	S	49.6	S	S	S	S
50 to 99 lb	S	S	S	42.8	S	S	–	–	–
100 to 499 lb	47.8	S	S	38.4	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	38.3	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	42.9	S	S	41.1	44.6	45.1	44.0	49.4	S
10,000 to 49,999 lb	21.1	43.0	45.2	31.7	32.9	34.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.6	31.9	35.0	33.6	37.3	36.3	S	S	S
SCTG 20, Basic chemicals	**S**	**44.8**	**43.1**	**13.8**	**10.7**	**11.1**	**22.3**	**30.9**	**30.2**
Less than 50 lb	39.8	45.1	44.4	S	S	S	28.1	30.4	31.4
50 to 99 lb	S	S	S	S	S	S	46.9	45.3	46.0
100 to 499 lb	S	31.1	29.9	28.6	39.0	38.6	35.2	39.2	40.1
500 to 749 lb	44.0	S	S	S	S	S	S	42.0	42.5
750 to 999 lb	44.4	37.9	38.2	30.9	45.8	45.6	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	21.9	18.5	18.3
10,000 to 49,999 lb	S	S	S	12.5	12.7	12.2	26.8	19.4	19.6
50,000 to 99,999 lb	28.3	31.9	30.0	45.6	48.8	S	–	–	–
100,000 lb or more	41.9	39.9	37.8	30.2	15.4	15.6	38.4	40.8	39.4
SCTG 21, Pharmaceutical products	**19.2**	**22.8**	**23.9**	**26.3**	**28.8**	**28.1**	**19.1**	**S**	**S**
Less than 50 lb	22.0	23.2	24.1	29.3	17.8	17.9	23.8	20.0	20.3
50 to 99 lb	31.8	S	S	31.4	36.0	34.9	S	36.6	37.0
100 to 499 lb	42.4	S	S	S	45.4	48.4	42.3	31.9	31.7
500 to 749 lb	S	S	S	S	S	S	S	48.6	49.3
750 to 999 lb	43.1	44.2	44.9	S	S	S	45.4	40.4	39.1
1,000 to 9,999 lb	34.4	S	S	40.9	29.5	29.0	42.9	37.7	37.5
10,000 to 49,999 lb	21.4	22.8	23.0	31.1	35.0	34.0	27.3	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
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	**25.5**	**23.9**	**24.5**	**33.0**	**35.2**	**35.7**	**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	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	45.3	44.4	45.2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	47.5	43.1	43.5	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	26.1	24.5	25.1	38.8	40.0	40.5	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**10.9**	**16.8**	**17.6**	**19.5**	**35.4**	**33.0**	**19.1**	**16.3**	**17.3**
Less than 50 lb	22.7	21.5	20.7	38.5	23.9	24.0	S	49.3	S
50 to 99 lb	34.4	21.6	20.3	36.6	31.0	31.0	43.3	40.9	38.5
100 to 499 lb	30.3	14.8	14.6	45.0	23.1	22.3	19.8	19.8	19.7
500 to 749 lb	19.8	20.7	22.5	25.9	23.3	23.4	32.0	30.6	30.5
750 to 999 lb	22.6	21.5	22.9	38.0	47.2	48.6	27.3	24.3	24.2
1,000 to 9,999 lb	23.4	19.4	19.6	19.3	18.6	18.6	S	20.4	20.3
10,000 to 49,999 lb	11.9	19.2	21.0	23.8	40.3	37.8	13.3	16.9	17.8
50,000 to 99,999 lb	S	49.8	49.2	S	S	S	S	S	S
100,000 lb or more	23.6	21.6	21.5	S	S	S	36.7	S	S
SCTG 24, Plastics and rubber	**5.7**	**8.6**	**8.8**	**7.5**	**10.0**	**10.6**	**13.9**	**18.7**	**18.5**
Less than 50 lb	15.6	10.1	10.5	16.0	11.4	11.2	18.3	15.0	14.7
50 to 99 lb	42.2	12.4	12.9	21.7	16.5	16.7	30.6	23.4	25.3
100 to 499 lb	16.5	14.6	12.9	21.8	31.1	31.2	21.5	22.1	22.7
500 to 749 lb	40.1	24.9	24.6	29.4	29.8	30.2	35.4	33.8	32.4
750 to 999 lb	13.4	10.8	11.2	27.4	29.8	30.4	26.8	31.3	31.3
1,000 to 9,999 lb	10.4	10.6	10.5	10.5	11.4	11.2	9.5	10.5	10.9
10,000 to 49,999 lb	7.9	12.5	13.0	10.4	10.2	9.9	24.0	26.7	26.8
50,000 to 99,999 lb	S	S	S	48.5	49.7	49.7	42.3	39.8	42.0
100,000 lb or more	10.0	11.0	11.1	15.2	15.5	15.8	40.3	40.9	40.8
SCTG 25, Logs and other wood in the rough	**41.3**	**S**	**S**	**45.1**	**44.8**	**44.3**	**43.1**	**44.3**	**43.1**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	49.9	37.8	38.2	S	S	S	S	S	S
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 26, Wood products	**10.9**	**22.9**	**24.1**	**11.5**	**9.6**	**9.5**	**14.7**	**12.2**	**12.1**
Less than 50 lb	42.4	48.6	49.9	S	44.2	44.7	44.6	S	S
50 to 99 lb	35.8	32.1	35.7	38.5	30.2	30.9	S	S	S
100 to 499 lb	42.6	19.1	18.9	30.3	34.0	35.1	37.3	34.7	33.7
500 to 749 lb	41.4	42.8	43.6	42.7	44.1	46.6	S	S	S
750 to 999 lb	37.6	41.9	43.4	S	S	S	S	S	S
1,000 to 9,999 lb	27.6	28.2	28.5	32.9	22.9	22.9	47.5	29.6	28.9
10,000 to 49,999 lb	17.0	11.9	11.7	15.9	15.2	15.0	18.5	15.9	16.2
50,000 to 99,999 lb	22.6	30.0	29.9	32.1	22.1	22.1	22.1	24.5	24.8
100,000 lb or more	19.1	33.5	33.6	14.9	12.0	12.1	29.7	31.2	29.9
SCTG 27, Pulp, newsprint, paper, and paperboard	**8.9**	**9.2**	**9.4**	**12.8**	**12.1**	**12.1**	**15.9**	**15.8**	**16.0**
Less than 50 lb	48.6	38.7	39.8	38.3	39.9	40.0	36.5	38.0	37.1
50 to 99 lb	43.6	49.2	46.1	S	S	S	S	S	S
100 to 499 lb	42.4	39.8	40.6	49.5	46.1	47.3	S	S	S
500 to 749 lb	45.1	45.6	46.9	S	S	S	47.6	S	S
750 to 999 lb	42.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	48.3	S	33.6	29.1	29.3	37.6	32.3	32.0
10,000 to 49,999 lb	10.6	11.2	10.6	13.5	16.1	16.8	20.2	20.6	21.2
50,000 to 99,999 lb	37.1	39.9	39.3	S	S	S	S	S	S
100,000 lb or more	10.6	12.4	13.2	17.7	16.4	15.9	30.3	30.8	31.1
SCTG 28, Paper or paperboard articles	**15.5**	**15.1**	**15.0**	**14.2**	**17.0**	**19.0**	**15.1**	**22.0**	**21.3**
Less than 50 lb	28.0	26.6	26.7	31.4	23.6	23.0	35.9	40.1	39.5
50 to 99 lb	S	S	S	32.2	40.2	37.7	42.0	40.2	40.3
100 to 499 lb	25.4	26.6	27.3	45.8	39.8	39.5	44.9	37.1	37.2
500 to 749 lb	31.7	27.1	27.0	S	46.5	46.2	S	S	S
750 to 999 lb	49.9	42.4	40.9	S	S	S	42.9	33.0	33.5
1,000 to 9,999 lb	16.1	16.9	18.6	22.9	19.3	18.5	38.6	S	S
10,000 to 49,999 lb	19.7	18.2	18.0	19.0	13.2	13.7	19.3	21.4	21.5
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

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	**17.9**	**12.8**	**13.5**	**11.4**	**22.0**	**21.5**	**11.5**	**17.9**	**17.5**
Less than 50 lb	17.6	15.1	14.8	15.1	17.0	17.1	21.6	22.1	22.0
50 to 99 lb	17.3	16.2	16.9	28.3	31.6	31.9	35.6	35.2	36.3
100 to 499 lb	21.5	14.3	14.4	29.8	26.3	26.7	32.0	49.8	48.1
500 to 749 lb	21.8	19.1	18.8	28.5	28.5	27.3	46.4	S	S
750 to 999 lb	32.1	17.3	17.9	36.9	31.9	30.7	46.9	33.5	33.2
1,000 to 9,999 lb	33.6	16.8	16.3	29.4	17.7	18.6	21.6	16.2	15.9
10,000 to 49,999 lb	45.5	16.2	17.3	22.7	29.0	29.0	31.7	28.8	28.5
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**10.5**	**9.6**	**9.6**	**21.8**	**19.4**	**20.2**	**7.1**	**12.6**	**13.4**
Less than 50 lb	17.6	10.9	11.3	9.5	9.1	9.4	10.8	10.2	10.2
50 to 99 lb	14.4	13.3	13.6	10.3	12.7	12.4	13.7	15.4	14.7
100 to 499 lb	21.1	13.3	13.6	12.6	11.1	11.3	10.4	9.4	9.4
500 to 749 lb	20.9	17.8	17.6	26.2	21.1	20.6	16.7	17.2	17.5
750 to 999 lb	36.9	18.5	18.5	11.9	17.3	17.5	36.6	23.7	25.2
1,000 to 9,999 lb	15.6	13.8	14.1	26.4	19.3	19.9	12.8	8.5	8.7
10,000 to 49,999 lb	11.4	11.5	11.2	40.5	31.9	33.2	16.3	18.8	18.9
50,000 to 99,999 lb	49.5	37.8	38.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**8.6**	**13.2**	**13.1**	**22.0**	**24.3**	**25.5**	**10.9**	**30.2**	**31.3**
Less than 50 lb	40.7	37.0	36.8	24.5	27.1	25.4	23.8	27.9	25.6
50 to 99 lb	28.9	31.9	31.3	S	S	S	26.4	35.2	34.5
100 to 499 lb	19.6	19.4	19.2	24.8	20.5	21.2	41.8	30.2	30.4
500 to 749 lb	26.1	25.2	25.1	43.0	34.6	33.9	30.4	30.7	30.9
750 to 999 lb	S	42.8	44.0	S	S	S	S	47.4	48.5
1,000 to 9,999 lb	23.3	25.1	23.0	49.7	13.8	13.7	26.4	21.4	21.8
10,000 to 49,999 lb	10.7	13.2	13.0	31.0	26.3	27.7	12.6	14.5	14.3
50,000 to 99,999 lb	29.3	32.7	30.3	S	S	S	S	45.2	46.8
100,000 lb or more	28.2	34.3	34.0	33.0	44.7	45.3	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.3**	**11.5**	**11.7**	**15.1**	**27.6**	**30.9**	**21.6**	**23.3**	**23.0**
Less than 50 lb	23.3	15.5	15.7	25.7	29.1	26.8	38.9	29.2	29.1
50 to 99 lb	23.0	27.1	27.5	S	S	S	37.6	43.3	40.4
100 to 499 lb	21.8	25.3	25.7	34.1	33.6	33.5	40.0	22.8	23.1
500 to 749 lb	25.8	20.0	20.7	38.6	45.6	43.9	40.3	33.7	33.0
750 to 999 lb	27.2	25.8	25.9	S	S	S	S	S	S
1,000 to 9,999 lb	17.6	25.3	24.4	14.1	18.6	19.5	15.0	44.0	44.2
10,000 to 49,999 lb	10.6	12.6	12.3	22.8	23.4	23.8	19.1	28.9	33.8
50,000 to 99,999 lb	41.1	44.5	49.9	S	S	S	S	S	S
100,000 lb or more	25.8	17.0	17.3	28.9	46.0	48.8	35.9	29.8	29.3
SCTG 33, Articles of base metal	**8.1**	**12.8**	**13.1**	**14.3**	**20.7**	**22.4**	**10.7**	**28.1**	**27.8**
Less than 50 lb	16.1	13.1	12.5	21.7	14.7	15.2	25.6	16.6	16.3
50 to 99 lb	20.7	23.5	23.1	22.1	21.2	21.1	29.9	29.6	29.9
100 to 499 lb	11.6	12.8	12.9	23.6	26.9	26.9	19.8	16.5	17.1
500 to 749 lb	21.7	14.0	14.9	36.6	22.1	22.5	26.0	22.0	21.6
750 to 999 lb	25.6	22.1	20.9	S	S	S	36.4	25.3	26.2
1,000 to 9,999 lb	15.7	14.2	14.0	23.4	15.9	16.5	14.4	20.6	20.2
10,000 to 49,999 lb	14.0	19.3	20.2	13.1	18.4	16.3	19.3	47.0	46.7
50,000 to 99,999 lb	31.1	41.2	39.8	S	S	S	S	S	S
100,000 lb or more	38.4	37.0	37.5	43.9	49.6	S	S	S	S
SCTG 34, Machinery	**10.0**	**9.6**	**9.7**	**8.5**	**11.5**	**11.5**	**20.6**	**14.8**	**14.3**
Less than 50 lb	8.6	13.9	14.0	15.5	14.6	14.6	12.8	9.9	10.0
50 to 99 lb	17.8	14.3	14.4	21.7	19.1	19.3	22.9	23.0	23.6
100 to 499 lb	10.9	11.2	10.6	19.0	18.1	18.3	10.4	10.4	9.9
500 to 749 lb	18.2	23.3	21.7	21.7	19.1	18.9	S	21.2	21.5
750 to 999 lb	25.0	32.0	31.3	31.8	25.0	26.1	25.8	25.8	26.3
1,000 to 9,999 lb	19.4	13.2	13.4	15.9	16.4	16.4	19.4	19.0	18.1
10,000 to 49,999 lb	12.4	13.5	13.5	13.7	13.7	13.8	17.5	20.1	19.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	49.9
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**18.3**	**12.7**	**13.3**	**18.8**	**19.2**	**18.4**	**11.0**	**11.0**	**10.5**
Less than 50 lb	22.6	12.6	12.3	8.6	9.9	10.2	10.1	15.9	15.7
50 to 99 lb	38.1	18.6	19.4	42.2	S	S	25.9	13.0	13.6
100 to 499 lb	41.3	44.0	43.1	44.0	46.5	43.4	29.4	20.6	20.3
500 to 749 lb	27.4	12.1	11.9	34.0	26.6	25.2	29.5	21.0	19.0
750 to 999 lb	35.1	S	S	30.4	S	S	30.8	21.2	19.7
1,000 to 9,999 lb	24.2	13.6	14.2	25.4	14.4	13.7	28.0	23.7	21.7
10,000 to 49,999 lb	24.1	13.6	13.7	19.2	28.4	26.7	21.3	15.2	17.0
50,000 to 99,999 lb	S	S	S	46.8	47.2	47.6	S	S	S
100,000 lb or more	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
SCTG 36, Motorized and other vehicles (including parts)	**10.8**	**9.9**	**10.6**	**18.2**	**17.1**	**17.3**	**22.2**	**22.3**	**21.8**
Less than 50 lb	23.2	17.4	17.1	24.4	19.5	18.0	22.1	19.0	18.1
50 to 99 lb	16.0	21.5	19.7	32.5	30.8	31.0	33.4	28.4	27.8
100 to 499 lb	26.3	21.4	21.8	18.8	16.1	16.0	45.0	29.9	29.6
500 to 749 lb	36.7	24.3	23.1	S	S	S	35.2	31.5	30.7
750 to 999 lb	49.0	22.1	22.0	35.1	32.5	31.8	39.0	30.2	29.1
1,000 to 9,999 lb	21.1	21.2	22.0	26.5	26.4	27.2	29.4	32.3	30.6
10,000 to 49,999 lb	23.0	10.3	9.8	24.9	20.6	20.5	19.6	24.7	23.3
50,000 to 99,999 lb	S	49.7	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**20.0**	**20.7**	**23.1**	**47.1**	**21.6**	**21.3**	**20.3**	**32.3**	**S**
Less than 50 lb	20.3	43.9	41.8	26.3	22.4	22.4	33.4	41.7	39.7
50 to 99 lb	25.5	29.3	28.6	S	S	49.9	27.6	27.5	27.3
100 to 499 lb	23.4	40.6	40.6	36.5	24.9	24.5	43.4	27.9	27.4
500 to 749 lb	41.8	25.2	25.7	44.1	28.7	29.0	S	41.2	41.6
750 to 999 lb	S	38.0	38.4	42.0	S	S	47.8	40.9	41.3
1,000 to 9,999 lb	29.8	19.5	18.8	48.7	34.6	34.8	36.3	25.9	24.9
10,000 to 49,999 lb	26.9	28.6	29.9	S	36.5	35.7	S	31.7	33.2
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**47.9**	**26.9**	**26.5**	**25.1**	**17.3**	**17.4**	**24.4**	**S**	**49.6**
Less than 50 lb	S	S	S	40.0	26.2	25.5	24.2	33.3	33.4
50 to 99 lb	21.3	14.7	14.5	26.9	47.0	48.1	25.9	45.0	43.4
100 to 499 lb	19.3	16.6	16.6	37.4	33.1	35.2	23.2	37.2	36.3
500 to 749 lb	S	38.5	37.8	30.4	28.5	28.5	46.7	41.0	40.8
750 to 999 lb	S	33.6	35.0	S	48.9	49.2	49.9	S	S
1,000 to 9,999 lb	33.5	32.3	32.0	42.5	31.3	32.1	S	S	S
10,000 to 49,999 lb	33.7	38.2	38.7	S	S	S	27.6	31.6	31.5
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**12.4**	**11.9**	**11.7**	**9.7**	**9.4**	**9.5**	**8.5**	**11.7**	**12.8**
Less than 50 lb	29.8	35.3	35.3	20.8	37.1	39.5	20.7	29.9	29.9
50 to 99 lb	S	19.7	19.1	13.9	11.4	11.5	17.6	19.0	19.0
100 to 499 lb	27.4	15.4	15.3	14.4	10.5	10.5	14.4	12.0	12.3
500 to 749 lb	16.9	13.7	13.0	24.5	17.4	17.5	18.2	17.0	17.1
750 to 999 lb	20.2	27.0	26.4	39.2	26.9	27.2	21.4	23.8	24.6
1,000 to 9,999 lb	8.5	10.0	10.9	16.2	11.0	11.2	16.1	16.7	18.8
10,000 to 49,999 lb	16.9	24.7	25.0	23.3	21.0	21.5	20.2	25.2	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**17.2**	**13.2**	**13.8**	**13.1**	**13.0**	**13.1**	**7.4**	**23.6**	**22.7**
Less than 50 lb	37.8	16.7	17.2	35.5	13.1	13.0	16.5	15.4	15.3
50 to 99 lb	25.4	18.0	17.9	16.4	13.6	13.8	29.0	18.5	17.2
100 to 499 lb	22.7	10.5	10.7	22.5	10.4	10.3	23.6	44.6	41.8
500 to 749 lb	13.1	11.1	11.4	S	21.4	21.1	32.1	41.9	42.7
750 to 999 lb	24.1	22.3	20.9	22.0	22.9	23.1	40.0	30.6	30.5
1,000 to 9,999 lb	19.6	17.5	18.3	20.9	15.8	16.2	13.5	17.2	16.6
10,000 to 49,999 lb	11.1	19.4	19.2	23.1	15.0	15.0	16.9	38.4	37.4
50,000 to 99,999 lb	33.0	48.9	45.6	S	S	S	S	49.4	48.9
100,000 lb or more	35.0	36.3	37.5	S	S	S	S	S	S
SCTG 41, Waste and scrap	**23.4**	**24.1**	**24.5**	**S**	**45.0**	**46.4**	**44.7**	**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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	23.2	22.9	25.2	S	S	S	S	43.1	43.2
50,000 to 99,999 lb	S	34.5	33.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**44.7**	**S**	**S**	**36.9**	**40.6**	**42.1**	**37.2**	**S**	**S**
Less than 50 lb	S	34.2	34.6	S	S	S	48.1	46.9	47.6
50 to 99 lb	S	43.2	42.4	S	S	S	S	S	S
100 to 499 lb	29.0	30.9	30.5	47.1	43.4	43.9	S	S	S
500 to 749 lb	S	S	S	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	37.4	33.8	32.3	46.4	45.7	47.0	37.3	S	S
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
Commodity unknown	**20.5**	**33.8**	**34.9**	**29.1**	**44.8**	**S**	**S**	**S**	**S**
Less than 50 lb	33.1	36.7	36.5	S	41.3	39.8	37.9	27.0	26.9
50 to 99 lb	S	47.4	47.5	S	47.6	49.2	S	S	S
100 to 499 lb	48.6	S	S	S	S	S	S	40.6	40.0
500 to 749 lb	30.1	30.2	28.0	S	S	S	43.7	S	49.9
750 to 999 lb	43.3	38.3	38.2	S	S	S	47.2	S	S
1,000 to 9,999 lb	34.2	28.9	29.2	49.3	36.7	37.3	37.1	33.5	33.2
10,000 to 49,999 lb	26.0	29.0	28.3	34.2	34.2	33.9	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	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 makeup 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.*

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.

OMB No. 0607-0828: Approval Expires 10/31/99

FORM **CFS-1000**
(11-1-96)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

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) Month	Shipment date (c) Day	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)
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 →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

SELECTING YOUR SAMPLE OF SHIPMENTS

1. Use the file or combination of files that best reflects your full range of outbound shipping activities.

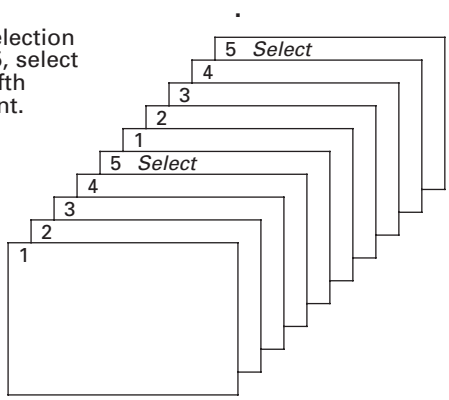
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

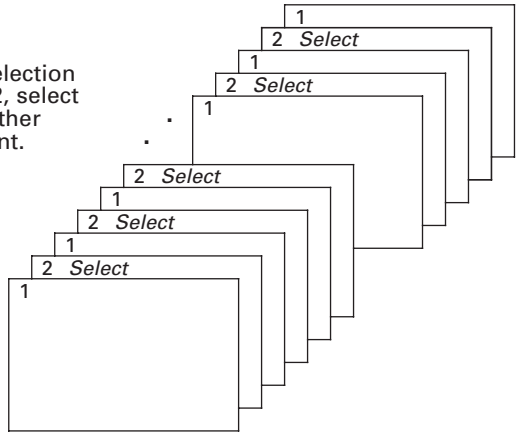
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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) (i)	U.S. destination *(Complete for all shipments.)* (j) City	State	ZIP Code	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) City	Country	Export mode (n)	Line No. (o)
N	Los Angeles	CA	90040	2, 4, 3	N				0
N	New York	NY	10454	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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

Line No. (a)	Shipment ID Number (b)	Shipment date (c) Month	Shipment date (c) Day	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)
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 →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

Containerized? *(Y/N)* (i)	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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

Line No. (a)	Shipment ID Number (b)	Shipment date (c) Month	Shipment date (c) Day	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)
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

Containerized? (Y/N) (i)	U.S. destination **(Complete for all shipments.)** (j) City	State	ZIP Code	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) City	Country	Export mode (n)	Line No. (o)
									35
									36
									37
									38
									39
									40

5 — Shallow draft vessel
6 — Deep draft vessel
7 — Pipeline
8 — Air
9 — Other mode
0 — Unknown

Remarks

THANK YOU FOR COMPLETING YOUR REPORT

FORM CFS-1000 (11-1-96)

Page 7

OMB No. 0607-0828: Approval Expires 10/31/99

FORM **CFS-2000**
(6-9-97)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

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) Month	Shipment date (c) Day	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)
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.

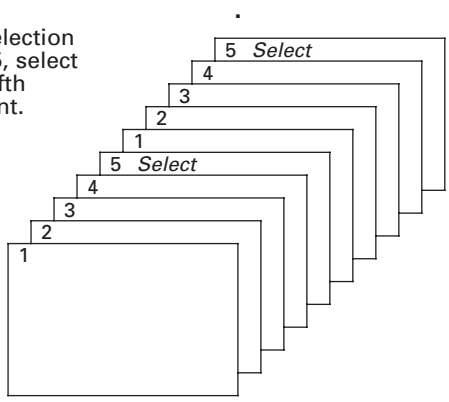
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

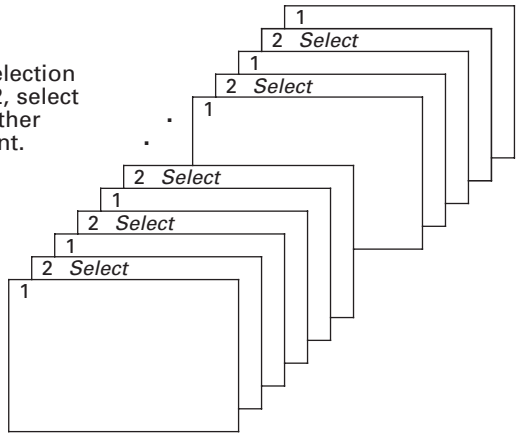
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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) (i)	U.S. destination *(Complete for all shipments.)* (j) City	State	ZIP Code	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) City	Country	Export mode (n)	Line No. (o)
N	Los Angeles	CA	90040	2, 4, 3	N				0
N	New York	NY	10454	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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

Line No. (a)	Shipment ID Number (b)	Shipment date (c) Month	Shipment date (c) Day	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)
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)* (i)	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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

Line No. (a)	Shipment ID Number (b)	Shipment date (c) Month	Shipment date (c) Day	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)
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 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
2. Dock on the Great Lakes	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
3. Dock on inland water	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
4. Dock on deep sea water	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No
6. Pipeline terminal	1 ☐ Yes → 2 ☐ No	1 ☐ Yes 2 ☐ No

Containerized? (Y/N) (i)	U.S. destination *(Complete for all shipments.)* (j) City	State	ZIP Code	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) City	Country	Export mode (n)	Line No. (o)
									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 ☐ Yes → 2 ☐ No		
2. Dock on the Great Lakes	1 ☐ Yes → 2 ☐ No		
3. Dock on inland water	1 ☐ Yes → 2 ☐ No		
4. Dock on deep sea water	1 ☐ Yes → 2 ☐ No		
5. Airport/landing strip capable of handling your shipments	1 ☐ Yes → 2 ☐ No		
6. Pipeline terminal	1 ☐ Yes → 2 ☐ 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:		
a. Your company owned/leased	1 ☐ Yes → 2 ☐ No	
b. A common carrier owned/leased	1 ☐ Yes → 2 ☐ No	
c. Another party owned/leased (e.g. receiver)	1 ☐ Yes → 2 ☐ No	
2. Trucks with 6 or more tires or truck-tractors that:		
a. Your company owned	1 ☐ Yes 2 ☐ No	
b. Your company leased, with driver	1 ☐ Yes 2 ☐ No	
c. Your company leased, without driver	1 ☐ Yes 2 ☐ No	
3. Truck trailers that your company owned or leased	1 ☐ Yes 2 ☐ No	
4. Aircraft that your company owned or leased	1 ☐ Yes 2 ☐ No	
5. Barges that your company owned or leased	1 ☐ Yes 2 ☐ No	
6. Other equipment that your company owned or leased – *Specify* ↙	1 ☐ Yes 2 ☐ 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 company 2 ☐ Receiver of shipment 3 ☐ Other

Remarks

Item M CERTIFICATION

Name 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) Month	Shipment date (c) Day	Shipment value (excluding shipping costs) in whole dollars (d)	Shipment weight in pounds (e)	Commodity code from SCTG Manual (f)	Commodity description (g)
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).

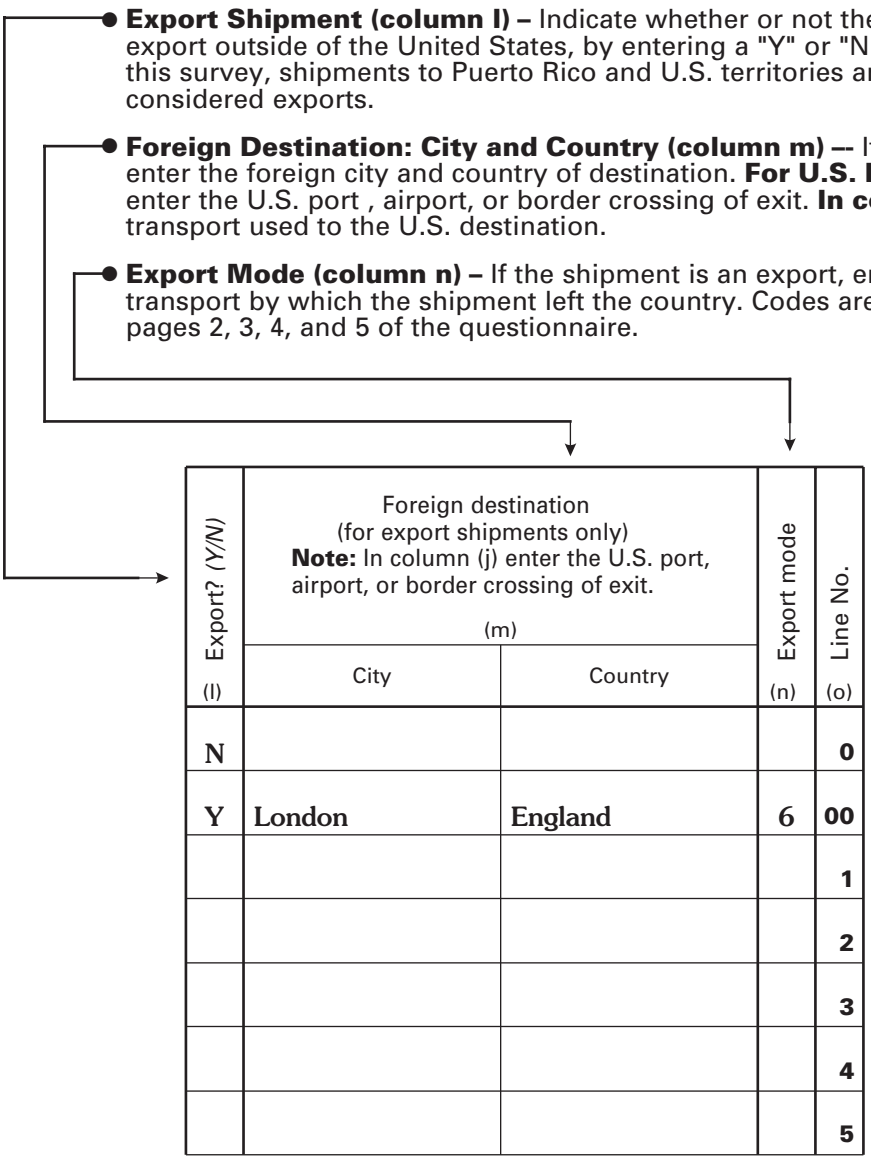
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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 vesels.

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.