Middle Atlantic Division

1997

Issued April 2000

EC97TCF-DIV(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

ACKNOWLEDGMENTS

This report was prepared in the Service Sector Statistics Division under the direction of **Thomas E. Zabelsky,** Assistant Chief for Current Service and Transportation Programs. Planning, implementation, and compiling of this report were under the supervision of **John L. Fowler,** Chief, Commodity Flow Survey Branch, assisted by **Wanda Dougherty, Debra Corbett, Bruce Dembroski, Shirley Gray, Michael Jones, Stephanie Kelley, Mabel Ocasio, Bonnie Opalko, Joyce Price, Barbara Selinske, Eli Serrano,** and **Michael Sprung.** Sample design and statistical methodology were developed under the general direction of **Howard Hogan** and **Carl A. Konschnik,** former Assistant Chiefs, and **Ruth E. Detlefsen,** current Assistant Chief, Research and Methodology. Sample design and estimation were under the supervision of **Patrick Cantwell,** former Chief, and **Jock Black,** current Chief, Program Research and Development Branch, assisted by **William C. Davie Jr., David L. Kinyon, Jacklyn R. Jonas,** and **M. Cristina Cruz.** Frame construction, sample control, imputation, and quality control procedures were developed under the supervision of **Carol King,** Chief, Statistical Methods Branch, assisted by **James Hunt.**

The processing system and computer programs were developed and implemented by the OAO programming group, led by **Jacques Wilmore** and assisted by **Harold N. Bobbitt** and **Robert J. Jeffrey. Steve G. McCraith,** Chief, Quinquennial Surveys Branch, Economic Statistical Methods and Programming Division and **Joseph F. Keehan** provided general support.

Coordination of data collection efforts was under the direction of **Judith N. Petty,** Chief, National Processing Center, assisted by **Matthew Aulbach, Linda Broadus, Grant Goodwin, Carlene Bottorff, Teresa Branstetter,** and **Jack Miller.**

The staff of the Administrative and Customer Services Division, **Walter C. Odom,** Chief, performed planning, design, composition, editorial review, and printing planning and procurement for the publications, Internet products, and report forms. **Margaret A. Smith** provided publication coordination and editing.

We also acknowledge the contributions of the following Department of Transportation (DOT) representatives in the overall planning and design of the survey: **Rolf Schmitt,** Associate Director for Transportation Studies, Bureau of Transportation Statistics, assisted by **Susan Lapham, Russ Capelle, Ronald J. Duych,** and **Felix Ammah-Tagoe.**

The Oak Ridge National Laboratory's Center for Transportation Analysis, under the former and current direction of **Mike Bronzini** and **David Greene,** respectively, provided all mileage data for this report, using its transportation network modeling system, under the supervision of **Frank Southworth** and assisted by **Shih-Miao Chin, Bruce Peterson, Jane Rollow,** and **Angela Gibson.**

Special acknowledgment is also due to the many businesses whose cooperation was essential to the publication of these data.

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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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**	**454**
Single modes	**686 933**	**78.6**	**1 005 485**	**95.5**	**135 851**	**90.2**	**154**
Truck[1]	636 551	72.9	876 364	83.2	96 941	64.4	129
For-hire truck	380 429	43.6	406 680	38.6	72 738	48.3	475
Private truck	248 880	28.5	444 466	42.2	21 843	14.5	48
Rail	15 062	1.7	60 179	5.7	27 292	18.1	460
Water	2 830	.3	29 798	2.8	4 385	2.9	S
Shallow draft	2 255	.3	26 551	2.5	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	551	–	S	S	S	S	1 283
Air (includes truck and air)	24 963	2.9	551	–	713	.5	1 344
Pipeline[2]	7 527	.9	38 593	3.7	S	S	S
Multiple modes	**155 035**	**17.7**	**14 614**	**1.4**	**9 018**	**6.0**	**764**
Parcel, U.S. Postal Service or courier	151 809	17.4	3 857	.4	2 709	1.8	764
Truck and rail	2 339	.3	S	S	2 156	1.4	1 595
Truck and water	447	–	S	S	S	S	2 171
Rail and water	65	–	2 625	.2	918	.6	374
Other multiple modes	374	–	S	S	S	S	279
Other and unknown modes	**31 504**	**3.6**	**32 983**	**3.1**	**5 695**	**3.8**	**112**

– 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 Division: 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	**873 472**	**762 389**	**14.6**	**1 053 082**	**816 172**	**29.0**	**150 564**	**146 301**	**2.9**	**454**	**386**	**17.8**
Single modes	**686 933**	**635 678**	**8.1**	**1 005 485**	**775 842**	**29.6**	**135 851**	**130 579**	**4.0**	**154**	**180**	**–14.4**
Truck[1]	636 551	596 484	6.7	876 364	633 742	38.3	96 941	83 253	16.4	129	141	–8.7
For-hire truck	380 429	368 688	3.2	406 680	265 202	53.3	72 738	62 375	16.6	475	474	.3
Private truck	248 880	227 202	9.5	444 466	365 934	21.5	21 843	20 607	6.0	48	51	–6.0
Rail	15 062	12 863	17.1	60 179	80 296	–25.1	27 292	34 001	–19.7	460	489	–5.9
Water	2 830	6 234	–54.6	29 798	47 587	–37.4	4 385	12 545	–65.0	S	1 166	S
Shallow draft	2 255	3 563	–36.7	26 551	32 093	–17.3	S	5 358	S	S	191	S
Great Lakes	S	–	S	S	–	S	S	–	S	10	–	S
Deep draft	551	S	S	S	S	S	S	S	S	1 283	3 705	–65.4
Air (includes truck and air)	24 963	17 615	41.7	551	354	55.5	713	499	43.0	1 344	1 299	3.5
Pipeline[2]	7 527	2 483	203.1	38 593	13 863	178.4	S	S	S	S	S	S
Multiple modes	**155 035**	**101 858**	**52.2**	**14 614**	**18 530**	**–21.1**	**9 018**	**10 271**	**–12.2**	**764**	**617**	**23.9**
Parcel, U.S. Postal Service or courier	151 809	98 468	54.2	3 857	2 705	42.6	2 709	1 633	65.9	764	616	24.0
Truck and rail	2 339	2 169	7.8	S	927	S	2 156	1 179	82.9	1 595	1 403	13.7
Truck and water	447	748	–40.2	S	818	S	S	939	S	2 171	1 869	16.2
Rail and water	65	469	–86.1	2 625	14 072	–81.3	918	6 504	–85.9	374	577	–35.2
Other multiple modes	374	S	S	S	S	S	S	S	S	279	2 478	–88.8
Other and unknown modes	**31 504**	**24 853**	**26.8**	**32 983**	**21 799**	**51.3**	**5 695**	**5 451**	**4.5**	**112**	**265**	**–57.7**

– Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons. 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 Division: 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	**78.6**	**83.4**	**95.5**	**95.1**	**90.2**	**89.3**
Truck[1]	72.9	78.2	83.2	77.6	64.4	56.9
For-hire truck	43.6	48.4	38.6	32.5	48.3	42.6
Private truck	28.5	29.8	42.2	44.8	14.5	14.1
Rail	1.7	1.7	5.7	9.8	18.1	23.2
Water	.3	.8	2.8	5.8	2.9	8.6
Shallow draft	.3	.5	2.5	3.9	S	3.7
Great Lakes	S	–	S	–	S	–
Deep draft	–	S	S	S	S	S
Air (includes truck and air)	2.9	2.3	–	–	.5	.3
Pipeline[2]	.9	.3	3.7	1.7	S	S
Multiple modes	**17.7**	**13.4**	**1.4**	**2.3**	**6.0**	**7.0**
Parcel, U.S. Postal Service or courier	17.4	12.9	.4	.3	1.8	1.1
Truck and rail	.3	.3	S	.1	1.4	.8
Truck and water	–	.1	S	.1	S	.6
Rail and water	–	–	.2	1.7	.6	4.4
Other multiple modes	–	S	S	S	S	S
Other and unknown modes	**3.6**	**3.3**	**3.1**	**2.7**	**3.8**	**3.7**

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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 Division: 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	**150 564**	**100.0**	**450**
Truck	97 300	64.6	128
Rail	29 884	19.8	626
Shallow draft	5 755	3.8	S
Great Lakes	259	.2	405
Deep draft	1 766	1.2	3 273
Air	670	.4	1 264
Parcel, U.S. Postal Service or courier	2 709	1.8	764
Pipeline	S	S	S
Other and unknown modes	5 701	3.8	112

– 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]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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**
Less than 50 miles	285 696	32.7	737 000	70.0	14 531	9.7
50 to 99 miles	93 052	10.7	99 803	9.5	9 503	6.3
100 to 249 miles	146 636	16.8	107 605	10.2	25 969	17.2
250 to 499 miles	103 329	11.8	48 914	4.6	23 135	15.4
500 to 749 miles	78 862	9.0	24 375	2.3	19 578	13.0
750 to 999 miles	45 914	5.3	11 179	1.1	12 237	8.1
1,000 to 1,499 miles	52 433	6.0	14 718	1.4	20 942	13.9
1,500 to 1,999 miles	15 857	1.8	2 138	.2	4 225	2.8
2,000 miles or more	51 694	5.9	7 350	.7	20 444	13.6
Single modes	**686 933**	**100.0**	**1 005 485**	**100.0**	**135 851**	**100.0**
Less than 50 miles	239 011	34.8	706 186	70.2	14 028	10.3
50 to 99 miles	79 674	11.6	97 561	9.7	9 278	6.8
100 to 249 miles	119 202	17.4	102 790	10.2	24 596	18.1
250 to 499 miles	80 839	11.8	46 286	4.6	21 831	16.1
500 to 749 miles	59 593	8.7	21 851	2.2	17 270	12.7
750 to 999 miles	33 782	4.9	9 951	1.0	10 525	7.7
1,000 to 1,499 miles	32 934	4.8	13 189	1.3	18 673	13.7
1,500 to 1,999 miles	9 834	1.4	1 860	.2	3 648	2.7
2,000 miles or more	32 062	4.7	5 811	.6	16 002	11.8
Truck[1]	**636 551**	**100.0**	**876 364**	**100.0**	**96 941**	**100.0**
Less than 50 miles	228 002	35.8	651 150	74.3	13 220	13.6
50 to 99 miles	74 028	11.6	83 937	9.6	7 711	8.0
100 to 249 miles	110 251	17.3	67 780	7.7	13 547	14.0
250 to 499 miles	74 937	11.8	34 266	3.9	14 601	15.1
500 to 749 miles	55 250	8.7	17 517	2.0	13 082	13.5
750 to 999 miles	31 805	5.0	7 741	.9	7 823	8.1
1,000 to 1,499 miles	25 982	4.1	7 278	.8	10 067	10.4
1,500 to 1,999 miles	9 048	1.4	1 549	.2	3 012	3.1
2,000 miles or more	27 248	4.3	5 145	.6	13 878	14.3
For-hire truck	**380 429**	**100.0**	**406 680**	**100.0**	**72 738**	**100.0**
Less than 50 miles	67 476	17.7	258 017	63.4	6 065	8.3
50 to 99 miles	39 055	10.3	43 400	10.7	4 053	5.6
100 to 249 miles	81 882	21.5	43 646	10.7	9 021	12.4
250 to 499 miles	62 033	16.3	27 572	6.8	11 897	16.4
500 to 749 miles	48 482	12.7	15 080	3.7	11 256	15.5
750 to 999 miles	26 875	7.1	6 861	1.7	6 933	9.5
1,000 to 1,499 miles	22 352	5.9	6 118	1.5	8 434	11.6
1,500 to 1,999 miles	8 153	2.1	1 371	.3	2 667	3.7
2,000 miles or more	24 120	6.3	4 614	1.1	12 412	17.1
Private truck	**248 880**	**100.0**	**444 466**	**100.0**	**21 843**	**100.0**
Less than 50 miles	159 055	63.9	374 243	84.2	6 444	29.5
50 to 99 miles	33 922	13.6	37 652	8.5	3 336	15.3
100 to 249 miles	27 169	10.9	21 790	4.9	4 077	18.7
250 to 499 miles	11 061	4.4	6 083	1.4	2 429	11.1
500 to 749 miles	6 034	2.4	2 170	.5	1 626	7.4
750 to 999 miles	4 489	1.8	813	.2	823	3.8
1,000 to 1,499 miles	3 486	1.4	1 096	.2	1 541	7.1
1,500 to 1,999 miles	863	.3	172	–	334	1.5
2,000 miles or more	2 801	1.1	447	.1	1 234	5.6
Rail	**15 062**	**100.0**	**60 179**	**100.0**	**27 292**	**100.0**
Less than 50 miles	2 805	18.6	5 930	9.9	274	1.0
50 to 99 miles	353	2.3	4 661	7.7	722	2.6
100 to 249 miles	2 588	17.2	31 171	51.8	10 200	37.4
250 to 499 miles	3 853	25.6	9 981	16.6	5 245	19.2
500 to 749 miles	2 306	15.3	4 084	6.8	3 830	14.0
750 to 999 miles	630	4.2	S	S	S	S
1,000 to 1,499 miles	1 570	10.4	1 431	2.4	2 405	8.8
1,500 to 1,999 miles	S	S	295	.5	606	2.2
2,000 miles or more	660	4.4	457	.8	1 357	5.0
Water	**2 830**	**100.0**	**29 798**	**100.0**	**4 385**	**100.0**
Less than 50 miles	1 986	70.2	17 410	58.4	453	10.3
50 to 99 miles	652	23.0	8 934	30.0	842	19.2
100 to 249 miles	61	2.2	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	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
Shallow draft	**2 255**	**100.0**	**26 551**	**100.0**	**S**	**S**
Less than 50 miles	S	S	16 089	60.6	433	11.6
50 to 99 miles	357	15.8	7 091	26.7	615	16.5
100 to 249 miles	55	2.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
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 Division: 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	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**551**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	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
Air (includes truck and air)	**24 963**	**100.0**	**551**	**100.0**	**713**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	28	5.0	4	.5
100 to 249 miles	S	S	119	21.6	49	6.9
250 to 499 miles	1 992	8.0	70	12.8	44	6.2
500 to 749 miles	2 028	8.1	61	11.1	67	9.4
750 to 999 miles	1 338	5.4	40	7.3	50	7.0
1,000 to 1,499 miles	4 460	17.9	79	14.4	118	16.5
1,500 to 1,999 miles	489	2.0	15	2.8	30	4.2
2,000 miles or more	4 099	16.4	138	25.1	352	49.3
Pipeline[2]	**7 527**	**100.0**	**38 593**	**100.0**	**S**	**S**
Less than 50 miles	6 218	82.6	31 696	82.1	S	S
50 to 99 miles	–	–	–	–	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	–	–	–	–	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**155 035**	**100.0**	**14 614**	**100.0**	**9 018**	**100.0**
Less than 50 miles	28 949	18.7	S	S	193	2.1
50 to 99 miles	11 209	7.2	847	5.8	100	1.1
100 to 249 miles	23 985	15.5	2 874	19.7	987	10.9
250 to 499 miles	20 425	13.2	1 212	8.3	730	8.1
500 to 749 miles	17 738	11.4	S	S	S	S
750 to 999 miles	11 133	7.2	877	6.0	S	S
1,000 to 1,499 miles	17 509	11.3	779	5.3	1 269	14.1
1,500 to 1,999 miles	5 707	3.7	167	1.1	351	3.9
2,000 miles or more	18 379	11.9	779	5.3	2 347	26.0
Parcel, U.S. Postal Service or courier	**151 809**	**100.0**	**3 857**	**100.0**	**2 709**	**100.0**
Less than 50 miles	28 785	19.0	879	22.8	24	.9
50 to 99 miles	11 174	7.4	347	9.0	33	1.2
100 to 249 miles	23 597	15.5	627	16.2	132	4.9
250 to 499 miles	20 208	13.3	452	11.7	200	7.4
500 to 749 miles	17 304	11.4	413	10.7	307	11.4
750 to 999 miles	10 850	7.1	329	8.5	333	12.3
1,000 to 1,499 miles	17 111	11.3	366	9.5	504	18.6
1,500 to 1,999 miles	5 548	3.7	100	2.6	197	7.3
2,000 miles or more	17 230	11.4	344	8.9	978	36.1
Truck and rail	**2 339**	**100.0**	**S**	**S**	**2 156**	**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	158	6.8	S	S	S	S
250 to 499 miles	S	S	56	1.2	26	1.2
500 to 749 miles	301	12.9	178	3.9	167	7.7
750 to 999 miles	136	5.8	63	1.4	71	3.3
1,000 to 1,499 miles	263	11.2	229	5.0	383	17.7
1,500 to 1,999 miles	160	6.8	S	S	S	S
2,000 miles or more	1 088	46.5	407	8.8	1 246	57.8
Truck and water	**447**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	S	S	S	S	S	S
750 to 999 miles	147	32.8	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	41	9.1	6	.3	48	1.7

See footnotes at end of table.

Table 3. **Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 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	**65**	**100.0**	**2 625**	**100.0**	**918**	**100.0**
Less than 50 miles	20	31.2	736	28.0	105	11.5
50 to 99 miles	S	S	S	S	51	5.5
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	16	25.1	683	26.0	487	53.1
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	–	–	–	–	–	–
Other multiple modes	**374**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**31 504**	**100.0**	**32 983**	**100.0**	**5 695**	**100.0**
Less than 50 miles	17 736	56.3	25 427	77.1	310	5.4
50 to 99 miles	2 169	6.9	1 395	4.2	125	2.2
100 to 249 miles	3 449	10.9	1 942	5.9	386	6.8
250 to 499 miles	2 065	6.6	1 417	4.3	573	10.1
500 to 749 miles	1 531	4.9	830	2.5	626	11.0
750 to 999 miles	999	3.2	351	1.1	354	6.2
1,000 to 1,499 miles	1 990	6.3	750	2.3	1 000	17.6
1,500 to 1,999 miles	315	1.0	112	.3	226	4.0
2,000 miles or more	1 252	4.0	759	2.3	2 095	36.8

– 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. 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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**	**454**
Less than 50 lb	144 502	16.5	3 669	.3	1 509	1.0	527
50 to 99 lb	36 859	4.2	2 173	.2	663	.4	304
100 to 499 lb	115 905	13.3	11 557	1.1	2 844	1.9	254
500 to 749 lb	30 058	3.4	5 151	.5	1 115	.7	213
750 to 999 lb	28 458	3.3	4 540	.4	1 168	.8	255
1,000 to 9,999 lb	211 161	24.2	69 638	6.6	14 495	9.6	209
10,000 to 49,999 lb	248 556	28.5	485 769	46.1	70 484	46.8	155
50,000 to 99,999 lb	26 122	3.0	175 374	16.7	11 633	7.7	66
100,000 lb or more	31 850	3.6	295 212	28.0	46 652	31.0	150
Single modes	**686 933**	**100.0**	**1 005 485**	**100.0**	**135 851**	**100.0**	**154**
Less than 50 lb	37 212	5.4	1 838	.2	218	.2	136
50 to 99 lb	15 771	2.3	1 425	.1	190	.1	129
100 to 499 lb	85 512	12.4	9 924	1.0	1 961	1.4	186
500 to 749 lb	26 669	3.9	4 862	.5	1 016	.7	205
750 to 999 lb	26 697	3.9	4 309	.4	1 118	.8	257
1,000 to 9,999 lb	200 736	29.2	66 753	6.6	13 606	10.0	204
10,000 to 49,999 lb	239 464	34.9	473 782	47.1	65 792	48.4	148
50,000 to 99,999 lb	24 923	3.6	171 033	17.0	10 389	7.6	60
100,000 lb or more	29 948	4.4	271 560	27.0	41 561	30.6	142
Truck[1]	**636 551**	**100.0**	**876 364**	**100.0**	**96 941**	**100.0**	**129**
Less than 50 lb	27 656	4.3	1 799	.2	170	.2	98
50 to 99 lb	13 908	2.2	1 400	.2	158	.2	109
100 to 499 lb	76 916	12.1	9 815	1.1	1 836	1.9	173
500 to 749 lb	25 644	4.0	4 834	.6	972	1.0	197
750 to 999 lb	26 301	4.1	4 292	.5	1 097	1.1	253
1,000 to 9,999 lb	196 520	30.9	66 394	7.6	13 358	13.8	200
10,000 to 49,999 lb	237 132	37.3	472 696	53.9	64 482	66.5	145
50,000 to 99,999 lb	22 843	3.6	169 762	19.4	9 535	9.8	57
100,000 lb or more	9 631	1.5	145 373	16.6	5 332	5.5	S
For-hire truck	**380 429**	**100.0**	**406 680**	**100.0**	**72 738**	**100.0**	**475**
Less than 50 lb	8 756	2.3	230	–	105	.1	483
50 to 99 lb	4 695	1.2	191	–	103	.1	522
100 to 499 lb	41 787	11.0	2 329	.6	1 395	1.9	577
500 to 749 lb	14 967	3.9	1 168	.3	773	1.1	647
750 to 999 lb	17 521	4.6	1 216	.3	910	1.3	747
1,000 to 9,999 lb	123 804	32.5	20 503	5.0	10 018	13.8	524
10,000 to 49,999 lb	152 488	40.1	239 608	58.9	49 922	68.6	241
50,000 to 99,999 lb	11 169	2.9	84 941	20.9	5 885	8.1	70
100,000 lb or more	5 242	1.4	56 494	13.9	3 627	5.0	S
Private truck	**248 880**	**100.0**	**444 466**	**100.0**	**21 843**	**100.0**	**48**
Less than 50 lb	18 757	7.5	1 544	.3	63	.3	43
50 to 99 lb	9 140	3.7	1 163	.3	53	.2	44
100 to 499 lb	34 679	13.9	7 418	1.7	426	2.0	55
500 to 749 lb	10 544	4.2	3 644	.8	193	.9	52
750 to 999 lb	8 706	3.5	3 062	.7	174	.8	57
1,000 to 9,999 lb	70 550	28.3	45 471	10.2	3 170	14.5	63
10,000 to 49,999 lb	80 717	32.4	223 246	50.2	13 308	60.9	61
50,000 to 99,999 lb	11 508	4.6	75 968	17.1	2 957	13.5	40
100,000 lb or more	4 278	1.7	82 949	18.7	1 499	6.9	S
Rail	**15 062**	**100.0**	**60 179**	**100.0**	**27 292**	**100.0**	**460**
Less than 50 lb	S	S	S	S	–	–	S
50 to 99 lb	S	S	S	S	S	S	300
100 to 499 lb	8	–	1	–	S	S	1 056
500 to 749 lb	3	–	S	S	S	S	1 188
750 to 999 lb	2	–	–	–	S	S	1 021
1,000 to 9,999 lb	S	S	S	S	38	.1	S
10,000 to 49,999 lb	1 354	9.0	865	1.4	1 173	4.3	1 384
50,000 to 99,999 lb	1 885	12.5	861	1.4	768	2.8	882
100,000 lb or more	10 533	69.9	58 266	96.8	25 311	92.7	523
Water	**2 830**	**100.0**	**29 798**	**100.0**	**4 385**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	11
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	108
750 to 999 lb	S	S	S	S	S	S	590
1,000 to 9,999 lb	S	S	S	S	S	S	120
10,000 to 49,999 lb	S	S	119	.4	6	.1	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	2 256	79.7	29 293	98.3	4 367	99.6	242
Shallow draft	**2 255**	**100.0**	**26 551**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	11
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	20
500 to 749 lb	S	S	S	S	S	S	108
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	S	S	S	S	S	S	94
10,000 to 49,999 lb	S	S	S	S	1	–	37
50,000 to 99,999 lb	S	S	S	S	S	S	18
100,000 lb or more	S	S	26 167	98.6	S	S	173

See footnotes at end of table.

Table 4. **Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**10**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	9
50,000 to 99,999 lb	S	S	S	S	S	S	10
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	**551**	**100.0**	**S**	**S**	**S**	**S**	**1 283**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	9 353
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	6 244
1,000 to 9,999 lb	5	.9	1	–	S	S	1 564
10,000 to 49,999 lb	43	7.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	570
100,000 lb or more	S	S	S	S	S	S	S
Air (includes truck and air)	**24 963**	**100.0**	**551**	**100.0**	**713**	**100.0**	**1 344**
Less than 50 lb	9 520	38.1	37	6.7	47	6.7	1 349
50 to 99 lb	1 857	7.4	24	4.3	32	4.5	1 332
100 to 499 lb	8 533	34.2	98	17.8	122	17.2	1 255
500 to 749 lb	1 020	4.1	25	4.6	43	6.0	1 701
750 to 999 lb	389	1.6	17	3.0	21	2.9	1 268
1,000 to 9,999 lb	2 905	11.6	151	27.5	206	29.0	1 482
10,000 to 49,999 lb	S	S	97	17.6	131	18.3	1 412
50,000 to 99,999 lb	S	S	S	S	S	S	1 425
100,000 lb or more	14	–	43	7.9	S	S	678
Pipeline[2]	**7 527**	**100.0**	**38 593**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
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
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	S	S	S
100,000 lb or more	7 514	99.8	38 585	100.0	S	S	S
Multiple modes	**155 035**	**100.0**	**14 614**	**100.0**	**9 018**	**100.0**	**764**
Less than 50 lb	100 841	65.0	1 706	11.7	1 277	14.2	768
50 to 99 lb	20 108	13.0	646	4.4	466	5.2	715
100 to 499 lb	27 161	17.5	1 261	8.6	846	9.4	697
500 to 749 lb	2 596	1.7	140	1.0	85	.9	600
750 to 999 lb	1 054	.7	99	.7	40	.4	398
1,000 to 9,999 lb	470	.3	61	.4	64	.7	1 013
10,000 to 49,999 lb	2 024	1.3	1 447	9.9	2 284	25.3	1 584
50,000 to 99,999 lb	170	.1	495	3.4	133	1.5	S
100,000 lb or more	611	.4	8 760	59.9	S	S	793
Parcel, U.S. Postal Service or courier	**151 809**	**100.0**	**3 857**	**100.0**	**2 709**	**100.0**	**764**
Less than 50 lb	100 837	66.4	1 706	44.2	1 277	47.1	768
50 to 99 lb	20 107	13.2	646	16.7	466	17.2	715
100 to 499 lb	27 139	17.9	1 259	32.6	842	31.1	695
500 to 749 lb	2 592	1.7	139	3.6	83	3.1	593
750 to 999 lb	1 039	.7	98	2.6	38	1.4	380
1,000 to 9,999 lb	95	–	9	.2	3	.1	340
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**2 339**	**100.0**	**S**	**S**	**2 156**	**100.0**	**1 595**
Less than 50 lb	S	S	S	S	S	S	1 489
50 to 99 lb	S	S	S	S	S	S	2 655
100 to 499 lb	S	S	S	S	S	S	1 072
500 to 749 lb	S	S	S	S	1	–	1 396
750 to 999 lb	S	S	S	S	S	S	3 198
1,000 to 9,999 lb	350	15.0	37	.8	46	2.1	1 554
10,000 to 49,999 lb	1 741	74.4	922	20.0	1 737	80.6	1 851
50,000 to 99,999 lb	31	1.3	S	S	S	S	S
100,000 lb or more	179	7.7	S	S	S	S	791
Truck and water	**447**	**100.0**	**S**	**S**	**S**	**S**	**2 171**
Less than 50 lb	S	S	S	S	S	S	3 374
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	7 521
500 to 749 lb	S	S	S	S	S	S	7 047
750 to 999 lb	S	S	S	S	S	S	7 919
1,000 to 9,999 lb	S	S	S	S	S	S	2 030
10,000 to 49,999 lb	189	42.2	315	14.4	429	15.6	1 407
50,000 to 99,999 lb	S	S	S	S	S	S	1 068
100,000 lb or more	S	S	S	S	S	S	1 222

See footnotes at end of table.

Table 4. **Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 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	**65**	**100.0**	**2 625**	**100.0**	**918**	**100.0**	**374**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	126
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	65	100.0	2 625	100.0	918	100.0	376
Other multiple modes	**374**	**100.0**	**S**	**S**	**S**	**S**	**279**
Less than 50 lb	S	S	S	S	S	S	503
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	498
50,000 to 99,999 lb	S	S	S	S	S	S	20
100,000 lb or more	S	S	S	S	S	S	387
Other and unknown modes	**31 504**	**100.0**	**32 983**	**100.0**	**5 695**	**100.0**	**112**
Less than 50 lb	6 448	20.5	125	.4	14	.2	101
50 to 99 lb	981	3.1	102	.3	7	.1	S
100 to 499 lb	3 232	10.3	373	1.1	36	.6	91
500 to 749 lb	792	2.5	149	.5	15	.3	102
750 to 999 lb	708	2.2	132	.4	10	.2	S
1,000 to 9,999 lb	9 955	31.6	2 823	8.6	826	14.5	311
10,000 to 49,999 lb	7 068	22.4	10 540	32.0	2 407	42.3	258
50,000 to 99,999 lb	1 029	3.3	3 847	11.7	1 111	19.5	S
100,000 lb or more	1 291	4.1	14 892	45.2	1 269	22.3	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.

[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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**	**454**
01	Live animals and live fish	129	–	137	–	70	–	S
02	Cereal grains	714	–	2 258	.2	265	.2	S
03	Other agricultural products	7 672	.9	10 251	1.0	1 156	.8	S
04	Animal feed and products of animal origin, n.e.c.	3 902	.4	10 167	1.0	1 190	.8	167
05	Meat, fish, seafood, and their preparations	14 885	1.7	5 455	.5	1 680	1.1	62
06	Milled grain products and preparations, and bakery products	15 249	1.7	11 234	1.1	3 796	2.5	S
07	Other prepared foodstuffs and fats and oils	56 319	6.4	52 108	4.9	10 935	7.3	78
08	Alcoholic beverages	10 986	1.3	11 273	1.1	3 362	2.2	44
09	Tobacco products	5 324	.6	255	–	30	–	70
10	Monumental or building stone	627	–	3 718	.4	S	S	61
11	Natural sands	828	–	46 837	4.4	2 092	1.4	62
12	Gravel and crushed stone	1 556	.2	221 158	21.0	6 283	4.2	30
13	Nonmetallic minerals n.e.c.	957	.1	38 842	3.7	2 556	1.7	89
14	Metallic ores and concentrates	899	.1	2 100	.2	S	S	476
15	Coal	3 235	.4	110 980	10.5	21 256	14.1	52
17	Gasoline and aviation turbine fuel	17 222	2.0	67 847	6.4	S	S	32
18	Fuel oils	10 730	1.2	55 311	5.3	2 407	1.6	23
19	Coal and petroleum products, n.e.c.	8 328	1.0	82 314	7.8	3 655	2.4	S
20	Basic chemicals	16 519	1.9	15 722	1.5	5 685	3.8	371
21	Pharmaceutical products	51 639	5.9	1 625	.2	700	.5	718
22	Fertilizers	753	–	2 493	.2	391	.3	132
23	Chemical products and preparations, n.e.c.	38 397	4.4	7 765	.7	3 967	2.6	459
24	Plastics and rubber	38 090	4.4	13 835	1.3	7 989	5.3	407
25	Logs and other wood in the rough	480	–	3 270	.3	296	.2	S
26	Wood products	8 357	1.0	13 654	1.3	2 685	1.8	296
27	Pulp, newsprint, paper, and paperboard	13 836	1.6	14 607	1.4	5 909	3.9	102
28	Paper or paperboard articles	13 670	1.6	9 163	.9	2 069	1.4	283
29	Printed products	80 779	9.2	14 477	1.4	4 718	3.1	348
30	Textiles, leather, and articles of textiles or leather	52 746	6.0	3 700	.4	2 097	1.4	694
31	Nonmetallic mineral products	16 939	1.9	93 522	8.9	8 490	5.6	794
32	Base metal in primary or semifinished forms and in finished basic shapes	43 156	4.9	30 868	2.9	12 197	8.1	303
33	Articles of base metal	27 116	3.1	12 871	1.2	4 788	3.2	425
34	Machinery	44 745	5.1	4 485	.4	1 835	1.2	292
35	Electronic and other electrical equipment and components and office equipment	89 150	10.2	3 943	.4	2 574	1.7	647
36	Motorized and other vehicles (including parts)	40 750	4.7	5 981	.6	2 309	1.5	207
37	Transportation equipment, n.e.c.	6 450	.7	944	–	926	.6	924
38	Precision instruments and apparatus	23 343	2.7	345	–	274	.2	757
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	9 168	1.0	1 500	.1	637	.4	394
40	Miscellaneous manufactured products	64 137	7.3	S	S	3 929	2.6	799
41	Waste and scrap	4 277	.5	20 029	1.9	4 863	3.2	127
43	Mixed freight	25 357	2.9	12 017	1.1	1 641	1.1	175
--	Commodity unknown	4 054	.5	1 737	.2	686	.5	563

– 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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**	**454**
010	Live animals and live fish	129	–	137	–	70	–	S
021	Wheat	103	–	688	–	27	–	32
022	Corn, except sweet	167	–	1 350	.1	70	–	29
029	Other cereal grains	S	S	220	–	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	961	.1	3 155	.3	S	S	59
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	2 662	.3	1 952	.2	155	.1	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	161
034	Soya beans	134	–	539	–	50	–	S
035	Oil seeds and nuts, except olives and soya beans	14	–	14	–	1	–	68
036	Bulbs, live plants, and seeds for sowing, n.e.c.	305	–	S	S	S	S	287
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	459	–	255	–	S	S	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.	936	.1	1 345	.1	282	.2	373
042	Animal feed preparations	2 966	.3	8 822	.8	908	.6	S
051	Meat including poultry, except preparations	12 850	1.5	5 017	.5	1 551	1.0	71
052	Fish, except live, and seafood, except preparations	1 837	.2	395	–	83	–	S
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	S
061	Wheat flour, groats, and meal	832	.1	2 752	.3	428	.3	159
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	490	–	827	–	S	S	S
063	Food preparations of cereals, flour, starch, or milk	5 058	.6	2 841	.3	1 230	.8	176
064	Bakery products	8 869	1.0	4 814	.5	1 732	1.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	13 461	1.5	11 787	1.1	2 476	1.6	43
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13 484	1.5	12 625	1.2	3 521	2.3	84
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	1 917	.2	459	–	135	–	107
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 417	.2	1 320	.1	S	S	105
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 037	.1	1 689	.2	286	.2	S
076	Confectionery, cocoa, and cocoa preparations	10 238	1.2	2 386	.2	1 083	.7	274
077	Edible preparations, n.e.c. and vinegar	6 724	.8	3 704	.4	1 686	1.1	251
078	Nonalcoholic beverages, n.e.c. and ice	8 042	.9	18 139	1.7	1 436	1.0	27
081	Malt Beer	8 669	1.0	10 452	1.0	2 988	2.0	42
082	Wine and other fermented beverages	1 506	.2	591	–	182	.1	S
083	Spirituous beverages and ethyl alcohol	811	–	229	–	S	S	S
090	Tobacco products	5 324	.6	255	–	30	–	70
100	Monumental or building stone, except dolomite	627	–	3 718	.4	S	S	61
110	Natural sands, except metal-bearing	828	–	46 837	4.4	2 092	1.4	62
120	Gravel and crushed stone, except dolomite and slate	1 556	.2	221 158	21.0	6 283	4.2	30
131	Salt	326	–	8 868	.8	1 385	.9	104
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	436
133	Dolomite	148	–	27 573	2.6	736	.5	23
139	Other nonmetallic minerals	444	–	2 106	.2	350	.2	184
141	Iron ores and concentrates	S	S	S	S	S	S	116
149	Other metallic ores and concentrates	846	.1	1 783	.2	S	S	523
151	Nonagglomerated bituminous coal	2 522	.3	103 221	9.8	20 602	13.7	53
159	Other coal	S	S	7 759	.7	654	.4	49
171	Gasoline	16 434	1.9	63 460	6.0	S	S	32
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	50
180	Fuel oils	10 730	1.2	55 311	5.3	2 407	1.6	23
191	Lubricating oils and greases	1 452	.2	1 553	.1	S	S	162
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	1 481	.2	6 244	.6	364	.2	S
193	Gaseous hydrocarbons	1 331	.2	5 460	.5	304	.2	S
199	Other products of petroleum refining, and coal products	4 065	.5	69 056	6.6	2 391	1.6	26
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	461	–	S	S	408	.3	189
202	Inorganic chemicals, n.e.c.	6 267	.7	9 657	.9	3 679	2.4	209
203	Cyclic hydrocarbons	S	S	S	S	28	–	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	426
205	Organic chemicals, n.e.c.	7 107	.8	1 932	.2	1 044	.7	528
210	Pharmaceutical products	51 639	5.9	1 625	.2	700	.5	718
220	Fertilizers and fertilizer materials	753	–	2 493	.2	391	.3	132
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	4 256	.5	1 013	.1	453	.3	192
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	10 107	1.2	1 070	.1	496	.3	647
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 848	.3	2 139	.2	1 050	.7	395
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	S	S	800	–	499	.3	654
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	758	–	246	–	86	–	S
239	Other chemical products and preparations	4 420	.5	2 497	.2	1 384	.9	308
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7 893	.9	5 400	.5	4 166	2.8	495
242	Manmade fibers and plastics basic shapes and articles	25 204	2.9	7 277	.7	3 311	2.2	461

See footnotes at end of table.

Table 6. **Shipment Characteristics by Three-Digit Commodity for the Division: 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	4 994	.6	1 158	.1	511	.3	211
250	Logs and other wood in the rough	480	–	3 270	.3	296	.2	S
261	Wood chips or particles	84	–	2 752	.3	S	S	178
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	3 179	.4	5 992	.6	1 398	.9	160
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 186	.1	1 431	.1	378	.3	219
264	Builders' joinery and carpentry of wood, except shingles and shakes	2 496	.3	757	–	90	–	107
269	Other wood products	1 413	.2	2 723	.3	349	.2	553
271	Pulp of fibrous cellulosic materials	195	–	377	–	S	S	S
272	Newsprint in large rolls or sheets	290	–	581	–	200	.1	159
273	Uncoated paper and paperboard in large rolls or sheets	7 922	.9	8 824	.8	3 304	2.2	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	5 430	.6	4 825	.5	2 106	1.4	235
280	Paper or paperboard articles	13 670	1.6	9 163	.9	2 069	1.4	283
291	Printed books, brochures, leaflets, and similar printed products	S	S	4 624	.4	2 407	1.6	793
292	Newspapers, journals, and periodicals	11 333	1.3	6 368	.6	450	.3	101
293	Advertising material, commercial or trade catalogues, and similar printed products	5 356	.6	1 776	.2	742	.5	733
299	Other printed products	7 095	.8	S	S	S	S	560
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	5 642	.6	639	–	270	.2	388
302	Textile clothing and accessories, and headgear, except safety	29 565	3.4	1 338	.1	844	.6	704
303	Textiles and textile articles, n.e.c.	12 954	1.5	1 533	.1	832	.6	796
304	Footwear	1 380	.2	63	–	57	–	987
305	Leather and articles, luggage of related materials, and dressed furskins and articles	3 206	.4	127	–	95	–	950
311	Hydraulic cements	721	–	11 487	1.1	795	.5	56
312	Ceramic products	3 836	.4	2 350	.2	1 170	.8	923
313	Glass and glass products	7 358	.8	6 746	.6	3 117	2.1	1 225
319	Other nonmetallic mineral products	5 024	.6	72 938	6.9	3 408	2.3	57
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	6 099	.7	3 800	.4	1 055	.7	165
322	Flat-rolled products of iron or steel	11 285	1.3	15 323	1.5	5 354	3.6	194
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 458	.7	6 074	.6	2 663	1.8	300
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	19 314	2.2	5 671	.5	3 125	2.1	388
331	Pipes, tubes, and fittings	6 686	.8	4 754	.5	1 613	1.1	145
332	Structures and parts, except prefabricated buildings	5 394	.6	2 878	.3	701	.5	162
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	8 668	1.0	1 414	.1	855	.6	354
339	Other articles of metal	6 369	.7	3 826	.4	1 618	1.1	995
341	Internal-combustion piston engines	8 349	1.0	1 190	.1	352	.2	145
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 946	.5	388	–	161	.1	425
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 940	.6	367	–	226	.2	392
344	Air-conditioning, refrigerating, or freezing equipment	2 683	.3	348	–	107	–	199
345	Materials-handling, excavating, boring, and related machinery and equipment	4 635	.5	818	–	267	.2	208
349	Other machinery	20 192	2.3	1 374	.1	723	.5	317
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 235	.4	197	–	147	.1	533
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 520	.2	151	–	82	–	670
353	Line telephone or telegraph apparatus	3 637	.4	71	–	53	–	779
354	Electronic entertainment products, except parts	9 570	1.1	578	–	414	.3	1 164
355	Computer and office equipment	24 488	2.8	651	–	433	.3	664
356	Prepared unrecorded or prerecorded media	4 984	.6	240	–	129	–	1 473
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	4 329	.5	33	–	29	–	610
358	Electronic components and parts	16 483	1.9	478	–	388	.3	678
359	Other electronic and electrical equipment	20 905	2.4	1 545	.1	899	.6	323
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	4 723	.5	568	–	264	.2	87
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	3 792	.4	632	–	S	S	158
363	Other vehicles	5 118	.6	840	–	355	.2	529
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	27 117	3.1	3 941	.4	1 537	1.0	199
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	2 187	.3	907	–	888	.6	804
372	Aircraft and spacecraft	3 965	.5	17	–	18	–	1 034
373	Ships, boats, and floating structures	298	–	20	–	20	–	S
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	3 937	.5	37	–	32	–	776
382	Photographic and photocopying machines	4 244	.5	80	–	86	–	786
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	314	–	2	–	S	S	940
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 714	1.0	154	–	93	–	723
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	6 134	.7	72	–	60	–	713

See footnotes at end of table.

Table 6. **Shipment Characteristics by Three-Digit Commodity for the Division: 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	9 168	1.0	1 500	.1	637	.4	394
401	Arms and ammunition	599	–	15	–	14	–	882
402	Toys, games, and sporting equipment	4 549	.5	433	–	316	.2	659
409	Miscellaneous manufactured products	58 989	6.8	S	S	3 599	2.4	813
411	Metallic waste and scrap	3 733	.4	16 124	1.5	S	S	101
412	Nonmetallic waste and scrap, except from food processing	544	–	3 905	.4	813	.5	208
439	Mixed freight	25 357	2.9	12 017	1.1	1 641	1.1	175
—	Commodity unknown	4 054	.5	1 737	.2	686	.5	563

– 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 Division: 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	**873 472**	**100.0**	**1 053 082**	**100.0**	**150 564**	**100.0**	**454**
Single modes	**686 933**	**78.6**	**1 005 485**	**95.5**	**135 851**	**90.2**	**154**
Truck[1]	636 551	72.9	876 364	83.2	96 941	64.4	129
For-hire truck	380 429	43.6	406 680	38.6	72 738	48.3	475
Private truck	248 880	28.5	444 466	42.2	21 843	14.5	48
Rail	15 062	1.7	60 179	5.7	27 292	18.1	460
Water	2 830	.3	29 798	2.8	4 385	2.9	S
Shallow draft	2 255	.3	26 551	2.5	S	S	S
Great Lakes	S	S	S	S	S	S	10
Deep draft	551	–	S	S	S	S	1 283
Air (includes truck and air)	24 963	2.9	551	–	713	.5	1 344
Pipeline[2]	7 527	.9	38 593	3.7	S	S	S
Multiple modes	**155 035**	**17.7**	**14 614**	**1.4**	**9 018**	**6.0**	**764**
Parcel, U.S. Postal Service or courier	151 809	17.4	3 857	.4	2 709	1.8	764
Truck and rail	2 339	.3	S	S	2 156	1.4	1 595
Truck and water	447	–	S	S	S	S	2 171
Rail and water	65	–	2 625	.2	918	.6	374
Other multiple modes	374	–	S	S	S	S	279
Other and unknown modes	**31 504**	**3.6**	**32 983**	**3.1**	**5 695**	**3.8**	**112**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**129**	**100.0**	**137**	**100.0**	**70**	**100.0**	**S**
Single modes	**124**	**96.1**	**132**	**96.6**	**67**	**95.7**	**S**
Truck[1]	124	96.1	132	96.6	67	95.7	S
For-hire truck	67	51.6	79	57.8	58	83.2	674
Private truck	57	44.5	S	S	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 398**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 398
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**668**
SCTG 02, CEREAL GRAINS							
Total	**714**	**100.0**	**2 258**	**100.0**	**265**	**100.0**	**S**
Single modes	**616**	**86.3**	**2 121**	**93.9**	**190**	**71.8**	**S**
Truck[1]	496	69.5	1 896	84.0	129	48.9	S
For-hire truck	331	46.3	803	35.6	97	36.7	148
Private truck	164	23.0	1 083	48.0	32	12.0	23
Rail	120	16.8	225	10.0	61	23.0	470
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**579**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	118
Truck and rail	S	S	S	S	S	S	1 646
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**39**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**7 672**	**100.0**	**10 251**	**100.0**	**1 156**	**100.0**	**S**
Single modes	**7 247**	**94.5**	**9 658**	**94.2**	**1 121**	**97.0**	**44**
Truck[1]	7 229	94.2	9 657	94.2	1 119	96.8	43
For-hire truck	2 291	29.9	4 444	43.4	831	71.9	168
Private truck	4 908	64.0	5 185	50.6	282	24.3	29
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 310
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**81**	**1.1**	**S**	**S**	**S**	**S**	**1 057**
Parcel, U.S. Postal Service or courier	80	1.0	S	S	S	S	1 070
Truck and rail	S	S	S	S	S	S	20
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**3 902**	**100.0**	**10 167**	**100.0**	**1 190**	**100.0**	**167**
Single modes	**3 467**	**88.8**	**9 568**	**94.1**	**1 039**	**87.3**	**S**
Truck[1]	3 407	87.3	9 403	92.5	938	78.8	71
For-hire truck	938	24.0	1 796	17.7	509	42.8	233
Private truck	2 161	55.4	7 579	74.5	415	34.9	38
Rail	38	1.0	108	1.1	98	8.2	1 218
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	2 601
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**162**	**4.1**	**S**	**S**	**S**	**S**	**699**
Parcel, U.S. Postal Service or courier	S	S	5	–	4	.3	694
Truck and rail	S	S	S	S	S	S	2 210
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**14 885**	**100.0**	**5 455**	**100.0**	**1 680**	**100.0**	**62**
Single modes	**14 368**	**96.5**	**5 299**	**97.1**	**1 650**	**98.2**	**59**
Truck[1]	14 368	96.5	5 299	97.1	1 650	98.2	59
For-hire truck	3 877	26.0	1 435	26.3	1 141	67.9	373
Private truck	10 473	70.4	3 844	70.5	506	30.1	38
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**962**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	945
Truck and rail	S	S	S	S	S	S	3 247
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**496**	**3.3**	**152**	**2.8**	**20**	**1.2**	**67**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**15 249**	**100.0**	**11 234**	**100.0**	**3 796**	**100.0**	**S**
Single modes	**14 842**	**97.3**	**10 891**	**97.0**	**3 604**	**94.9**	**S**
Truck[1]	14 549	95.4	10 550	93.9	3 237	85.3	S
For-hire truck	5 223	34.2	4 176	37.2	2 345	61.8	533
Private truck	8 837	58.0	6 006	53.5	703	18.5	S
Rail	292	1.9	341	3.0	367	9.7	1 480
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 180
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**261**	**1.7**	**108**	**1.0**	**178**	**4.7**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	5	.1	S
Truck and rail	157	1.0	95	.8	174	4.6	1 886
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	156
Other and unknown modes	**147**	**1.0**	**235**	**2.1**	**S**	**S**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**56 319**	**100.0**	**52 108**	**100.0**	**10 935**	**100.0**	**78**
Single modes	**54 897**	**97.5**	**51 054**	**98.0**	**10 479**	**95.8**	**63**
Truck[1]	54 613	97.0	50 825	97.5	10 177	93.1	63
For-hire truck	24 756	44.0	15 863	30.4	6 904	63.1	365
Private truck	29 022	51.5	33 639	64.6	3 050	27.9	35
Rail	256	.5	224	.4	287	2.6	1 398
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 745
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**348**	**.6**	**111**	**.2**	**217**	**2.0**	**726**
Parcel, U.S. Postal Service or courier	S	S	27	–	9	–	716
Truck and rail	99	.2	84	.2	208	1.9	2 545
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 075**	**1.9**	**943**	**1.8**	**239**	**2.2**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**10 986**	**100.0**	**11 273**	**100.0**	**3 362**	**100.0**	**44**
Single modes	**10 759**	**97.9**	**10 980**	**97.4**	**3 028**	**90.1**	**44**
Truck[1]	10 546	96.0	10 742	95.3	2 884	85.8	43
For-hire truck	4 005	36.5	4 772	42.3	2 331	69.3	231
Private truck	6 534	59.5	5 967	52.9	553	16.5	31
Rail	213	1.9	238	2.1	142	4.2	636
Water	S	S	S	S	S	S	7 798
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	7 798
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**806**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	114
Truck and rail	S	S	S	S	S	S	1 231
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 778
Other and unknown modes	**93**	**.8**	**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 Division: 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	**5 324**	**100.0**	**255**	**100.0**	**30**	**100.0**	**70**
Single modes	**4 982**	**93.6**	**246**	**96.7**	**27**	**90.6**	**40**
Truck[1]	4 982	93.6	246	96.7	27	90.6	40
For-hire truck	242	4.5	22	8.7	15	51.4	817
Private truck	4 740	89.0	224	88.0	12	39.3	26
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**240**	**4.5**	**4**	**1.7**	**3**	**9.2**	**684**
Parcel, U.S. Postal Service or courier	240	4.5	4	1.7	3	9.2	684
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**102**	**1.9**	**4**	**1.6**	**–**	**.1**	**S**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**627**	**100.0**	**3 718**	**100.0**	**S**	**S**	**61**
Single modes	**603**	**96.2**	**3 653**	**98.3**	**260**	**71.4**	**S**
Truck[1]	603	96.2	3 653	98.3	260	71.4	S
For-hire truck	S	S	2 511	67.5	156	42.8	S
Private truck	S	S	1 142	30.7	S	S	52
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 012
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**2 913**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	202
Truck and rail	S	S	S	S	S	S	3 168
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	**828**	**100.0**	**46 837**	**100.0**	**2 092**	**100.0**	**62**
Single modes	**808**	**97.6**	**46 123**	**98.5**	**1 948**	**93.1**	**60**
Truck[1]	784	94.6	43 950	93.8	1 718	82.1	59
For-hire truck	S	S	24 467	52.2	1 268	60.6	84
Private truck	378	45.6	18 779	40.1	395	18.9	29
Rail	16	1.9	811	1.7	181	8.7	223
Water	S	S	S	S	S	S	36
Shallow draft	S	S	S	S	S	S	36
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	138
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**278**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	278
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**175**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**1 556**	**100.0**	**221 158**	**100.0**	**6 283**	**100.0**	**30**
Single modes	**1 506**	**96.8**	**215 417**	**97.4**	**6 163**	**98.1**	**30**
Truck[1]	1 478	95.0	213 500	96.5	5 811	92.5	30
For-hire truck	711	45.7	93 605	42.3	3 520	56.0	39
Private truck	716	46.0	114 578	51.8	2 193	34.9	23
Rail	28	1.8	1 917	.9	352	5.6	108
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**46**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	353
Truck and rail	S	S	S	S	S	S	17
Truck and water	S	S	S	S	S	S	53
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**19**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**957**	**100.0**	**38 842**	**100.0**	**2 556**	**100.0**	**89**
Single modes	**880**	**91.9**	**38 443**	**99.0**	**2 363**	**92.5**	**71**
Truck[1]	856	89.4	35 176	90.6	1 999	78.2	70
For-hire truck	355	37.1	5 042	13.0	674	26.4	168
Private truck	401	41.9	15 654	40.3	311	12.2	34
Rail	S	S	S	S	S	S	682
Water	S	S	S	S	S	S	39
Shallow draft	S	S	S	S	S	S	70
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	3
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**674**
Parcel, U.S. Postal Service or courier	S	S	1	–	–	–	603
Truck and rail	S	S	S	S	S	S	1 898
Truck and water	S	S	S	S	S	S	2 330
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**899**	**100.0**	**2 100**	**100.0**	**S**	**S**	**476**
Single modes	**796**	**88.5**	**1 820**	**86.6**	**371**	**36.9**	**310**
Truck[1]	725	80.6	1 613	76.8	268	26.7	302
For-hire truck	697	77.5	1 358	64.7	227	22.5	336
Private truck	26	2.9	S	S	S	S	101
Rail	70	7.8	207	9.9	103	10.2	500
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	569
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**486**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	486
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 427**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	**3 235**	**100.0**	**110 980**	**100.0**	**21 256**	**100.0**	**52**
Single modes	**2 696**	**83.4**	**95 083**	**85.7**	**19 919**	**93.7**	**48**
Truck[1]	1 462	45.2	47 316	42.6	1 869	8.8	45
For-hire truck	908	28.1	40 397	36.4	1 625	7.6	55
Private truck	S	S	S	S	245	1.2	S
Rail	916	28.3	35 053	31.6	14 846	69.8	398
Water	318	9.8	12 715	11.5	S	S	194
Shallow draft	318	9.8	12 715	11.5	S	S	194
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**95**	**2.9**	**3 315**	**3.0**	**1 218**	**5.7**	**416**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	264
Truck and rail	S	S	S	S	S	S	198
Truck and water	S	S	S	S	S	S	902
Rail and water	65	2.0	2 625	2.4	918	4.3	374
Other multiple modes	S	S	S	S	S	S	127
Other and unknown modes	**443**	**13.7**	**12 582**	**11.3**	**S**	**S**	**42**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**17 222**	**100.0**	**67 847**	**100.0**	**S**	**S**	**32**
Single modes	**16 980**	**98.6**	**67 032**	**98.8**	**S**	**S**	**38**
Truck[1]	11 917	69.2	41 842	61.7	1 702	25.0	37
For-hire truck	3 840	22.3	13 652	20.1	834	12.3	68
Private truck	8 076	46.9	28 190	41.5	869	12.8	27
Rail	S	S	S	S	S	S	225
Water	S	S	S	S	S	S	19
Shallow draft	S	S	S	S	S	S	21
Great Lakes	S	S	S	S	S	S	10
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	4 390	25.5	22 181	32.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**18**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	18
Other and unknown modes	**141**	**.8**	**510**	**.8**	**11**	**.2**	**S**
SCTG 18, FUEL OILS							
Total	**10 730**	**100.0**	**55 311**	**100.0**	**2 407**	**100.0**	**23**
Single modes	**10 284**	**95.8**	**53 382**	**96.5**	**2 028**	**84.2**	**23**
Truck[1]	7 143	66.6	35 636	64.4	1 389	57.7	23
For-hire truck	2 070	19.3	11 385	20.6	602	25.0	49
Private truck	5 074	47.3	24 251	43.8	787	32.7	21
Rail	S	S	S	S	S	S	179
Water	607	5.7	3 784	6.8	S	S	104
Shallow draft	S	S	S	S	S	S	14
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	198
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	2 529	23.6	13 934	25.2	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**117**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	437
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**10**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**8 328**	**100.0**	**82 314**	**100.0**	**3 655**	**100.0**	**S**
Single modes	**8 254**	**99.1**	**81 776**	**99.3**	**3 623**	**99.1**	**S**
Truck[1]	6 303	75.7	70 380	85.5	2 299	62.9	36
For-hire truck	2 992	35.9	30 302	36.8	1 345	36.8	94
Private truck	3 231	38.8	39 079	47.5	910	24.9	20
Rail	675	8.1	3 380	4.1	1 172	32.1	494
Water	S	S	S	S	S	S	21
Shallow draft	S	S	S	S	S	S	23
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	S	S	S	S	S	S	1 720
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**16**	**.2**	**S**	**S**	**S**	**S**	**554**
Parcel, U.S. Postal Service or courier	S	S	2	–	S	S	578
Truck and rail	S	S	S	S	S	S	962
Truck and water	S	S	S	S	S	S	27
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**58**	**.7**	**S**	**S**	**29**	**.8**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**16 519**	**100.0**	**15 722**	**100.0**	**5 685**	**100.0**	**371**
Single modes	**14 423**	**87.3**	**15 423**	**98.1**	**5 374**	**94.5**	**154**
Truck[1]	13 054	79.0	11 468	72.9	2 390	42.0	148
For-hire truck	9 401	56.9	5 125	32.6	1 783	31.4	390
Private truck	3 615	21.9	6 336	40.3	601	10.6	43
Rail	858	5.2	2 398	15.3	1 378	24.2	369
Water	S	S	S	S	S	S	161
Shallow draft	S	S	S	S	S	S	165
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	75
Air (includes truck and air)	78	.5	–	–	1	–	1 537
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 688**	**10.2**	**112**	**.7**	**S**	**S**	**627**
Parcel, U.S. Postal Service or courier	1 598	9.7	S	S	28	.5	625
Truck and rail	76	.5	S	S	S	S	2 424
Truck and water	S	S	S	S	S	S	3 020
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	34
Other and unknown modes	**407**	**2.5**	**186**	**1.2**	**S**	**S**	**121**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**51 639**	**100.0**	**1 625**	**100.0**	**700**	**100.0**	**718**
Single modes	**31 419**	**60.8**	**1 444**	**88.9**	**550**	**78.5**	**243**
Truck[1]	30 215	58.5	1 409	86.7	514	73.4	168
For-hire truck	22 235	43.1	752	46.3	482	68.9	280
Private truck	7 730	15.0	S	S	31	4.4	74
Rail	S	S	S	S	S	S	435
Water	S	S	S	S	S	S	64
Shallow draft	S	S	S	S	S	S	64
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	983	1.9	13	.8	18	2.6	1 313
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**19 817**	**38.4**	**164**	**10.1**	**144**	**20.5**	**811**
Parcel, U.S. Postal Service or courier	19 801	38.3	163	10.0	140	20.1	811
Truck and rail	S	S	S	S	S	S	3 334
Truck and water	S	S	S	S	S	S	7 775
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**402**	**.8**	**17**	**1.0**	**7**	**.9**	**244**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**753**	**100.0**	**2 493**	**100.0**	**391**	**100.0**	**132**
Single modes	**720**	**95.6**	**2 441**	**97.9**	**386**	**98.7**	**121**
Truck[1]	717	95.2	2 403	96.4	S	S	120
For-hire truck	453	60.2	S	S	S	S	S
Private truck	263	35.0	734	29.5	48	12.4	53
Rail	S	S	S	S	S	S	899
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	512
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 075**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 079
Truck and rail	S	S	S	S	S	S	20
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**20**	**2.6**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**38 397**	**100.0**	**7 765**	**100.0**	**3 967**	**100.0**	**459**
Single modes	**32 294**	**84.1**	**7 349**	**94.7**	**3 776**	**95.2**	**378**
Truck[1]	31 524	82.1	7 005	90.2	3 355	84.6	308
For-hire truck	25 201	65.6	5 051	65.0	2 960	74.6	670
Private truck	6 271	16.3	1 856	23.9	365	9.2	78
Rail	363	.9	325	4.2	386	9.7	1 091
Water	S	S	S	S	S	S	148
Shallow draft	S	S	S	S	S	S	148
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	392	1.0	S	S	S	S	1 774
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**5 098**	**13.3**	**192**	**2.5**	**153**	**3.9**	**629**
Parcel, U.S. Postal Service or courier	5 032	13.1	144	1.9	86	2.2	629
Truck and rail	65	.2	S	S	66	1.7	2 103
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 005**	**2.6**	**223**	**2.9**	**38**	**1.0**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**38 090**	**100.0**	**13 835**	**100.0**	**7 989**	**100.0**	**407**
Single modes	**32 644**	**85.7**	**13 002**	**94.0**	**7 477**	**93.6**	**258**
Truck[1]	31 079	81.6	11 420	82.5	6 113	76.5	244
For-hire truck	20 550	54.0	7 623	55.1	5 300	66.3	645
Private truck	10 469	27.5	3 773	27.3	811	10.1	69
Rail	1 248	3.3	S	S	S	S	1 465
Water	S	S	S	S	S	S	6 260
Shallow draft	S	S	S	S	S	S	267
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	8 095
Air (includes truck and air)	262	.7	13	.1	19	.2	1 102
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 886**	**10.2**	**262**	**1.9**	**260**	**3.3**	**664**
Parcel, U.S. Postal Service or courier	3 680	9.7	196	1.4	112	1.4	663
Truck and rail	199	.5	63	.5	143	1.8	2 269
Truck and water	8	–	2	–	4	–	4 202
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	614
Other and unknown modes	**1 560**	**4.1**	**570**	**4.1**	**251**	**3.1**	**69**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**480**	**100.0**	**3 270**	**100.0**	**296**	**100.0**	**S**
Single modes	**467**	**97.5**	**3 190**	**97.6**	**273**	**92.2**	**S**
Truck[1]	448	93.3	3 123	95.5	237	80.0	S
For-hire truck	S	S	764	23.4	112	37.9	364
Private truck	196	40.9	2 359	72.1	125	42.1	47
Rail	20	4.1	67	2.1	36	12.2	817
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**385**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	152
Truck and rail	S	S	S	S	S	S	2 818
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**10**	**2.1**	**S**	**S**	**S**	**S**	**145**
SCTG 26, WOOD PRODUCTS							
Total	**8 357**	**100.0**	**13 654**	**100.0**	**2 685**	**100.0**	**296**
Single modes	**7 732**	**92.5**	**12 635**	**92.5**	**1 841**	**68.6**	**120**
Truck[1]	7 689	92.0	12 603	92.3	1 776	66.2	119
For-hire truck	2 717	32.5	4 532	33.2	1 121	41.7	356
Private truck	4 894	58.6	7 819	57.3	643	23.9	60
Rail	35	.4	32	.2	63	2.4	1 868
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	1	–	2 068
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**47**	**.3**	**79**	**2.9**	**658**
Parcel, U.S. Postal Service or courier	S	S	21	.2	14	.5	658
Truck and rail	32	.4	26	.2	65	2.4	776
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**306**	**3.7**	**S**	**S**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**13 836**	**100.0**	**14 607**	**100.0**	**5 909**	**100.0**	**102**
Single modes	**13 164**	**95.1**	**14 115**	**96.6**	**5 558**	**94.0**	**116**
Truck[1]	12 542	90.6	13 085	89.6	4 731	80.1	113
For-hire truck	8 936	64.6	10 291	70.5	4 434	75.0	266
Private truck	3 605	26.1	2 794	19.1	297	5.0	39
Rail	610	4.4	1 023	7.0	826	14.0	361
Water	S	S	S	S	S	S	11
Shallow draft	S	S	S	S	S	S	8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	15
Air (includes truck and air)	S	S	S	S	S	S	1 057
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**451**	**3.3**	**158**	**1.1**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	382	2.8	77	.5	9	.2	S
Truck and rail	S	S	S	S	S	S	1 799
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**222**	**1.6**	**335**	**2.3**	**S**	**S**	**S**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**13 670**	**100.0**	**9 163**	**100.0**	**2 069**	**100.0**	**283**
Single modes	**12 581**	**92.0**	**8 977**	**98.0**	**1 954**	**94.5**	**108**
Truck[1]	12 558	91.9	8 971	97.9	1 947	94.1	105
For-hire truck	6 661	48.7	4 797	52.4	1 554	75.1	306
Private truck	5 893	43.1	4 170	45.5	391	18.9	42
Rail	S	S	S	S	S	S	861
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 194
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**887**	**6.5**	**99**	**1.1**	**86**	**4.1**	**574**
Parcel, U.S. Postal Service or courier	862	6.3	77	.8	33	1.6	574
Truck and rail	S	S	S	S	S	S	2 687
Truck and water	S	S	S	S	S	S	67
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**202**	**1.5**	**87**	**.9**	**29**	**1.4**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**80 779**	**100.0**	**14 477**	**100.0**	**4 718**	**100.0**	**348**
Single modes	**63 798**	**79.0**	**13 337**	**92.1**	**4 107**	**87.1**	**90**
Truck[1]	59 735	73.9	13 215	91.3	4 012	85.0	80
For-hire truck	S	S	6 639	45.9	3 460	73.3	374
Private truck	14 395	17.8	6 471	44.7	529	11.2	36
Rail	62	–	S	S	8	.2	731
Water	S	S	S	S	S	S	74
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	74
Air (includes truck and air)	S	S	89	.6	87	1.8	1 043
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**15 533**	**19.2**	**693**	**4.8**	**489**	**10.4**	**736**
Parcel, U.S. Postal Service or courier	15 530	19.2	691	4.8	483	10.2	736
Truck and rail	S	S	S	S	S	S	3 300
Truck and water	S	S	S	S	S	S	5 220
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 448**	**1.8**	**448**	**3.1**	**121**	**2.6**	**177**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**52 746**	**100.0**	**3 700**	**100.0**	**2 097**	**100.0**	**694**
Single modes	**35 029**	**66.4**	**2 928**	**79.1**	**1 523**	**72.6**	**730**
Truck[1]	34 489	65.4	2 893	78.2	1 484	70.8	711
For-hire truck	22 219	42.1	1 700	45.9	1 159	55.3	853
Private truck	11 971	22.7	1 154	31.2	316	15.0	433
Rail	S	S	S	S	S	S	2 208
Water	S	S	S	S	S	S	100
Shallow draft	S	S	S	S	S	S	35
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	231
Air (includes truck and air)	466	.9	11	.3	18	.9	1 556
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**14 901**	**28.3**	**525**	**14.2**	**453**	**21.6**	**696**
Parcel, U.S. Postal Service or courier	14 832	28.1	521	14.1	444	21.2	696
Truck and rail	69	.1	4	.1	8	.4	2 415
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 817**	**5.3**	**248**	**6.7**	**121**	**5.8**	**229**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**16 939**	**100.0**	**93 522**	**100.0**	**8 490**	**100.0**	**794**
Single modes	**15 325**	**90.5**	**91 679**	**98.0**	**7 537**	**88.8**	**185**
Truck[1]	15 147	89.4	91 181	97.5	7 019	82.7	180
For-hire truck	9 590	56.6	52 448	56.1	5 137	60.5	421
Private truck	4 912	29.0	38 304	41.0	1 640	19.3	40
Rail	57	.3	393	.4	366	4.3	1 300
Water	S	S	S	S	S	S	115
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	115
Air (includes truck and air)	98	.6	S	S	S	S	1 488
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**908**	**5.4**	**67**	**–**	**69**	**.8**	**1 498**
Parcel, U.S. Postal Service or courier	895	5.3	41	–	48	.6	1 498
Truck and rail	S	S	S	S	S	S	976
Truck and water	S	S	S	S	S	S	6 865
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**706**	**4.2**	**1 776**	**1.9**	**884**	**10.4**	**223**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**43 156**	**100.0**	**30 868**	**100.0**	**12 197**	**100.0**	**303**
Single modes	**40 842**	**94.6**	**27 104**	**87.8**	**11 398**	**93.4**	**221**
Truck[1]	38 723	89.7	23 326	75.6	8 972	73.6	200
For-hire truck	29 955	69.4	16 728	54.2	7 641	62.6	491
Private truck	8 648	20.0	6 211	20.1	1 199	9.8	55
Rail	1 910	4.4	3 704	12.0	2 368	19.4	707
Water	S	S	S	S	S	S	3 586
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	3 586
Air (includes truck and air)	206	.5	74	.2	58	.5	1 441
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 387**	**3.2**	**295**	**1.0**	**S**	**S**	**594**
Parcel, U.S. Postal Service or courier	1 158	2.7	69	.2	35	.3	589
Truck and rail	89	.2	22	–	49	.4	2 055
Truck and water	S	S	S	S	S	S	1 770
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**376**	**3.1**	**102**
SCTG 33, ARTICLES OF BASE METAL							
Total	**27 116**	**100.0**	**12 871**	**100.0**	**4 788**	**100.0**	**425**
Single modes	**21 522**	**79.4**	**11 013**	**85.6**	**4 102**	**85.7**	**210**
Truck[1]	20 746	76.5	10 322	80.2	3 516	73.4	198
For-hire truck	11 966	44.1	6 862	53.3	2 824	59.0	638
Private truck	8 659	31.9	3 430	26.6	686	14.3	81
Rail	S	S	S	S	S	S	1 414
Water	S	S	S	S	S	S	14
Shallow draft	S	S	S	S	S	S	14
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	221	.8	30	.2	40	.8	1 357
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**4 547**	**16.8**	**240**	**1.9**	**301**	**6.3**	**723**
Parcel, U.S. Postal Service or courier	4 407	16.3	157	1.2	118	2.5	722
Truck and rail	S	S	S	S	S	S	3 137
Truck and water	S	S	S	S	S	S	3 453
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	7
Other and unknown modes	**1 047**	**3.9**	**S**	**S**	**385**	**8.0**	**51**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**44 745**	**100.0**	**4 485**	**100.0**	**1 835**	**100.0**	**292**
Single modes	**36 341**	**81.2**	**4 136**	**92.2**	**1 639**	**89.3**	**168**
Truck[1]	34 479	77.1	4 037	90.0	1 544	84.1	125
For-hire truck	24 327	54.4	2 703	60.3	1 323	72.1	519
Private truck	9 751	21.8	1 296	28.9	209	11.4	40
Rail	S	S	S	S	S	S	1 163
Water	S	S	S	S	S	S	69
Shallow draft	S	S	S	S	S	S	56
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	318
Air (includes truck and air)	1 442	3.2	33	.7	S	S	1 349
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 741**	**15.1**	**209**	**4.7**	**156**	**8.5**	**453**
Parcel, U.S. Postal Service or courier	6 232	13.9	132	2.9	73	4.0	452
Truck and rail	477	1.1	74	1.7	62	3.4	718
Truck and water	S	S	S	S	S	S	5 465
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	86
Other and unknown modes	**1 664**	**3.7**	**140**	**3.1**	**40**	**2.2**	**205**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**89 150**	**100.0**	**3 943**	**100.0**	**2 574**	**100.0**	**647**
Single modes	**56 137**	**63.0**	**3 380**	**85.7**	**2 148**	**83.4**	**236**
Truck[1]	43 320	48.6	3 275	83.1	2 003	77.8	154
For-hire truck	33 088	37.1	2 712	68.8	1 897	73.7	647
Private truck	10 174	11.4	562	14.2	105	4.1	33
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	610
Shallow draft	S	S	S	S	S	S	610
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	12 610	14.1	89	2.3	129	5.0	1 264
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**28 735**	**32.2**	**388**	**9.8**	**350**	**13.6**	**936**
Parcel, U.S. Postal Service or courier	28 515	32.0	341	8.6	244	9.5	936
Truck and rail	218	.2	47	1.2	S	S	1 653
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 275
Other and unknown modes	**4 279**	**4.8**	**175**	**4.4**	**77**	**3.0**	**S**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**40 750**	**100.0**	**5 981**	**100.0**	**2 309**	**100.0**	**207**
Single modes	**34 370**	**84.3**	**5 157**	**86.2**	**1 988**	**86.1**	**121**
Truck[1]	29 287	71.9	4 422	73.9	1 520	65.9	52
For-hire truck	17 495	42.9	2 616	43.7	1 048	45.4	331
Private truck	9 529	23.4	1 435	24.0	281	12.2	27
Rail	4 374	10.7	705	11.8	428	18.5	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 413
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 461**	**6.0**	**157**	**2.6**	**124**	**5.4**	**590**
Parcel, U.S. Postal Service or courier	2 353	5.8	110	1.8	61	2.6	590
Truck and rail	108	.3	S	S	S	S	1 444
Truck and water	S	S	S	S	S	S	7 756
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**3 918**	**9.6**	**667**	**11.1**	**197**	**8.5**	**S**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**6 450**	**100.0**	**944**	**100.0**	**926**	**100.0**	**924**
Single modes	**3 709**	**57.5**	**907**	**96.1**	**873**	**94.3**	**820**
Truck[1]	2 407	37.3	601	63.7	S	S	586
For-hire truck	2 046	31.7	498	52.7	S	S	862
Private truck	361	5.6	104	11.0	S	S	241
Rail	611	9.5	302	32.0	333	36.0	1 147
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	6
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	697
Air (includes truck and air)	659	10.2	2	.2	4	.4	1 488
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 147**	**33.3**	**S**	**S**	**S**	**S**	**982**
Parcel, U.S. Postal Service or courier	2 083	32.3	11	1.2	12	1.3	977
Truck and rail	S	S	S	S	S	S	2 302
Truck and water	S	S	S	S	S	S	1 090
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**631**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**23 343**	**100.0**	**345**	**100.0**	**274**	**100.0**	**757**
Single modes	**8 428**	**36.1**	**200**	**57.9**	**151**	**55.3**	**769**
Truck[1]	7 130	30.5	188	54.5	136	49.7	347
For-hire truck	5 051	21.6	142	41.0	130	47.4	706
Private truck	2 079	8.9	47	13.5	6	2.2	85
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	9 788
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	9 788
Air (includes truck and air)	1 296	5.6	12	3.3	14	5.2	1 412
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**14 259**	**61.1**	**123**	**35.6**	**112**	**40.9**	**770**
Parcel, U.S. Postal Service or courier	14 255	61.1	123	35.5	112	40.8	770
Truck and rail	S	S	S	S	S	S	2 264
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**656**	**2.8**	**S**	**S**	**S**	**S**	**276**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**9 168**	**100.0**	**1 500**	**100.0**	**637**	**100.0**	**394**
Single modes	**8 336**	**90.9**	**1 408**	**93.9**	**558**	**87.6**	**346**
Truck[1]	8 326	90.8	1 407	93.8	557	87.4	341
For-hire truck	3 864	42.1	609	40.6	430	67.5	778
Private truck	4 175	45.5	770	51.4	111	17.4	116
Rail	S	S	S	S	S	S	1 841
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	10	.1	1	–	1	.2	1 870
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**545**	**5.9**	**45**	**3.0**	**34**	**5.4**	**463**
Parcel, U.S. Postal Service or courier	540	5.9	43	2.9	30	4.7	463
Truck and rail	S	S	S	S	S	S	3 126
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**287**	**3.1**	**47**	**3.2**	**S**	**S**	**S**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**64 137**	**100.0**	**S**	**S**	**3 929**	**100.0**	**799**
Single modes	**32 850**	**51.2**	**S**	**S**	**3 283**	**83.6**	**394**
Truck[1]	31 424	49.0	S	S	3 125	79.5	352
For-hire truck	18 513	28.9	4 307	13.3	2 543	64.7	674
Private truck	12 836	20.0	S	S	575	14.6	171
Rail	S	S	S	S	141	3.6	S
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)	1 283	2.0	18	–	17	.4	1 369
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**26 802**	**41.8**	**664**	**2.1**	**551**	**14.0**	**853**
Parcel, U.S. Postal Service or courier	26 760	41.7	651	2.0	525	13.4	853
Truck and rail	S	S	S	S	S	S	1 733
Truck and water	S	S	S	S	S	S	8 038
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 718
Other and unknown modes	**4 485**	**7.0**	**247**	**.8**	**94**	**2.4**	**249**
SCTG 41, WASTE AND SCRAP							
Total	**4 277**	**100.0**	**20 029**	**100.0**	**4 863**	**100.0**	**127**
Single modes	**4 047**	**94.6**	**18 461**	**92.2**	**2 836**	**58.3**	**125**
Truck[1]	3 483	81.4	14 049	70.1	1 812	37.3	115
For-hire truck	2 281	53.3	10 093	50.4	1 271	26.1	144
Private truck	1 198	28.0	3 917	19.6	537	11.0	64
Rail	521	12.2	3 754	18.7	1 019	21.0	287
Water	S	S	S	S	S	S	8
Shallow draft	S	S	S	S	S	S	8
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	642
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**392**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	249
Truck and rail	S	S	S	S	S	S	98
Truck and water	S	S	S	S	S	S	1 629
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**90**	**2.1**	**S**	**S**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**25 357**	**100.0**	**12 017**	**100.0**	**1 641**	**100.0**	**175**
Single modes	**23 468**	**92.6**	**11 530**	**95.9**	**1 400**	**85.3**	**67**
Truck[1]	23 426	92.4	11 520	95.9	1 374	83.7	66
For-hire truck	3 110	12.3	1 470	12.2	596	36.3	376
Private truck	20 165	79.5	10 003	83.2	766	46.7	45
Rail	S	S	S	S	S	S	2 737
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 285
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 289**	**5.1**	**167**	**1.4**	**75**	**4.5**	**334**
Parcel, U.S. Postal Service or courier	1 174	4.6	159	1.3	50	3.1	333
Truck and rail	S	S	S	S	S	S	3 244
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**600**	**2.4**	**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 Division: 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	**4 054**	**100.0**	**1 737**	**100.0**	**686**	**100.0**	**563**
Single modes	**3 178**	**78.4**	**1 613**	**92.8**	**450**	**65.5**	**258**
Truck[1]	3 019	74.5	1 376	79.2	372	54.2	184
For-hire truck	1 539	38.0	441	25.4	313	45.6	631
Private truck	S	S	935	53.8	59	8.6	S
Rail	S	S	S	S	S	S	900
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	93	2.3	1	–	S	S	1 209
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**623**	**15.4**	**19**	**1.1**	**21**	**3.1**	**788**
Parcel, U.S. Postal Service or courier	619	15.3	16	.9	16	2.3	788
Truck and rail	S	S	S	S	S	S	1 755
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**254**	**6.3**	**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.

[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 Division: 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	**873 472**	**1 053 082**	**150 564**
Less than 50 miles	285 696	737 000	14 531
50 to 99 miles	93 052	99 803	9 503
100 to 249 miles	146 636	107 605	25 969
250 to 499 miles	103 329	48 914	23 135
500 to 749 miles	78 862	24 375	19 578
750 to 999 miles	45 914	11 179	12 237
1,000 to 1,499 miles	52 433	14 718	20 942
1,500 to 1,999 miles	15 857	2 138	4 225
2,000 miles or more	51 694	7 350	20 444
SCTG 01, Live animals and live fish	**129**	**137**	**70**
Less than 50 miles	S	S	–
50 to 99 miles	3	3	–
100 to 249 miles	19	15	4
250 to 499 miles	14	12	7
500 to 749 miles	62	66	53
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	–	–	–
SCTG 02, Cereal grains	**714**	**2 258**	**265**
Less than 50 miles	332	1 782	40
50 to 99 miles	26	184	17
100 to 249 miles	35	125	30
250 to 499 miles	S	63	33
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**7 672**	**10 251**	**1 156**
Less than 50 miles	4 883	6 319	184
50 to 99 miles	S	S	S
100 to 249 miles	676	1 041	199
250 to 499 miles	371	583	246
500 to 749 miles	120	100	74
750 to 999 miles	110	126	122
1,000 to 1,499 miles	71	41	56
1,500 to 1,999 miles	7	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 902**	**10 167**	**1 190**
Less than 50 miles	1 848	6 898	178
50 to 99 miles	398	1 252	119
100 to 249 miles	614	1 224	241
250 to 499 miles	566	504	213
500 to 749 miles	93	96	74
750 to 999 miles	45	56	60
1,000 to 1,499 miles	62	62	85
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	72	213
SCTG 05, Meat, fish, seafood, and their preparations	**14 885**	**5 455**	**1 680**
Less than 50 miles	6 680	2 306	54
50 to 99 miles	2 111	851	79
100 to 249 miles	2 450	1 047	196
250 to 499 miles	1 384	437	189
500 to 749 miles	583	208	165
750 to 999 miles	S	137	143
1,000 to 1,499 miles	662	277	400
1,500 to 1,999 miles	190	89	165
2,000 miles or more	330	105	289
SCTG 06, Milled grain products and preparations, and bakery products	**15 249**	**11 234**	**3 796**
Less than 50 miles	5 901	4 132	89
50 to 99 miles	2 652	2 022	190
100 to 249 miles	2 339	1 973	395
250 to 499 miles	1 645	1 382	587
500 to 749 miles	1 066	639	493
750 to 999 miles	463	277	286
1,000 to 1,499 miles	526	349	504
1,500 to 1,999 miles	S	52	102
2,000 miles or more	534	409	1 150
SCTG 07, Other prepared foodstuffs and fats and oils	**56 319**	**52 108**	**10 935**
Less than 50 miles	23 866	26 750	666
50 to 99 miles	7 780	7 995	737
100 to 249 miles	11 043	8 729	1 744
250 to 499 miles	4 567	3 353	1 398
500 to 749 miles	3 345	2 105	1 611
750 to 999 miles	2 145	1 354	1 372
1,000 to 1,499 miles	1 941	1 083	1 451
1,500 to 1,999 miles	351	138	278
2,000 miles or more	1 281	601	1 679

See footnotes at end of table.

Table 8. **Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**10 986**	**11 273**	**3 362**
Less than 50 miles	6 237	5 228	99
50 to 99 miles	725	867	76
100 to 249 miles	1 177	1 680	389
250 to 499 miles	990	1 369	593
500 to 749 miles	942	1 098	840
750 to 999 miles	501	577	575
1,000 to 1,499 miles	283	354	510
1,500 to 1,999 miles	S	10	20
2,000 miles or more	113	89	260
SCTG 09, Tobacco products	**5 324**	**255**	**30**
Less than 50 miles	4 073	174	5
50 to 99 miles	518	43	4
100 to 249 miles	356	17	3
250 to 499 miles	117	S	S
500 to 749 miles	67	4	S
750 to 999 miles	57	2	2
1,000 to 1,499 miles	73	3	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	**627**	**3 718**	**S**
Less than 50 miles	S	2 930	81
50 to 99 miles	S	368	34
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	4	20	14
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 11, Natural sands	**828**	**46 837**	**2 092**
Less than 50 miles	497	40 792	1 014
50 to 99 miles	125	S	S
100 to 249 miles	S	1 794	360
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**1 556**	**221 158**	**6 283**
Less than 50 miles	1 402	203 543	4 020
50 to 99 miles	103	13 004	1 124
100 to 249 miles	38	3 617	636
250 to 499 miles	11	S	313
500 to 749 miles	S	S	S
750 to 999 miles	–	–	–
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**957**	**38 842**	**2 556**
Less than 50 miles	412	28 898	719
50 to 99 miles	86	5 957	535
100 to 249 miles	181	3 083	642
250 to 499 miles	S	S	S
500 to 749 miles	51	210	157
750 to 999 miles	22	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	23	64
SCTG 14, Metallic ores and concentrates	**899**	**2 100**	**S**
Less than 50 miles	186	948	22
50 to 99 miles	72	S	S
100 to 249 miles	206	282	80
250 to 499 miles	290	371	171
500 to 749 miles	28	29	21
750 to 999 miles	38	32	32
1,000 to 1,499 miles	17	14	19
1,500 to 1,999 miles	2	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	**3 235**	**110 980**	**21 256**
Less than 50 miles	1 861	59 534	1 101
50 to 99 miles	302	11 943	1 377
100 to 249 miles	741	27 584	9 441
250 to 499 miles	224	8 307	5 219
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	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 Division: 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	**17 222**	**67 847**	**S**
Less than 50 miles	14 578	56 563	974
50 to 99 miles	1 073	4 089	347
100 to 249 miles	807	3 807	774
250 to 499 miles	9	38	14
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**10 730**	**55 311**	**2 407**
Less than 50 miles	8 745	43 537	603
50 to 99 miles	1 219	7 429	763
100 to 249 miles	740	S	878
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**8 328**	**82 314**	**3 655**
Less than 50 miles	5 566	72 028	1 147
50 to 99 miles	830	3 241	320
100 to 249 miles	923	5 107	991
250 to 499 miles	615	1 485	646
500 to 749 miles	106	172	145
750 to 999 miles	63	58	S
1,000 to 1,499 miles	177	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	39	17	45
SCTG 20, Basic chemicals	**16 519**	**15 722**	**5 685**
Less than 50 miles	4 961	6 829	174
50 to 99 miles	1 146	1 651	156
100 to 249 miles	3 386	2 114	434
250 to 499 miles	2 248	1 891	894
500 to 749 miles	1 898	1 128	910
750 to 999 miles	710	248	253
1,000 to 1,499 miles	1 259	S	2 173
1,500 to 1,999 miles	183	S	S
2,000 miles or more	728	159	443
SCTG 21, Pharmaceutical products	**51 639**	**1 625**	**700**
Less than 50 miles	13 128	S	14
50 to 99 miles	5 427	127	11
100 to 249 miles	9 229	163	35
250 to 499 miles	4 818	199	88
500 to 749 miles	4 593	129	99
750 to 999 miles	5 500	115	121
1,000 to 1,499 miles	3 350	79	107
1,500 to 1,999 miles	1 866	8	15
2,000 miles or more	3 728	76	208
SCTG 22, Fertilizers	**753**	**2 493**	**391**
Less than 50 miles	229	832	26
50 to 99 miles	192	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	32	S	S
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 23, Chemical products and preparations, n.e.c.	**38 397**	**7 765**	**3 967**
Less than 50 miles	10 261	2 269	69
50 to 99 miles	1 935	651	58
100 to 249 miles	5 389	1 329	279
250 to 499 miles	5 187	1 297	584
500 to 749 miles	5 388	797	608
750 to 999 miles	3 097	409	413
1,000 to 1,499 miles	2 422	510	718
1,500 to 1,999 miles	S	64	125
2,000 miles or more	3 535	438	1 114
SCTG 24, Plastics and rubber	**38 090**	**13 835**	**7 989**
Less than 50 miles	11 137	4 432	113
50 to 99 miles	3 766	1 301	122
100 to 249 miles	5 728	2 055	463
250 to 499 miles	5 154	1 767	773
500 to 749 miles	4 499	1 528	1 136
750 to 999 miles	1 948	637	645
1,000 to 1,499 miles	2 745	1 026	1 621
1,500 to 1,999 miles	579	162	316
2,000 miles or more	2 533	928	2 802

See footnotes at end of table.

Table 8. **Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**480**	**3 270**	**296**
Less than 50 miles	131	2 223	68
50 to 99 miles	72	S	44
100 to 249 miles	S	338	68
250 to 499 miles	54	181	81
500 to 749 miles	S	16	S
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 26, Wood products	**8 357**	**13 654**	**2 685**
Less than 50 miles	3 778	7 137	231
50 to 99 miles	1 296	2 264	217
100 to 249 miles	1 605	2 375	478
250 to 499 miles	655	732	332
500 to 749 miles	389	S	S
750 to 999 miles	139	142	140
1,000 to 1,499 miles	267	398	500
1,500 to 1,999 miles	S	S	S
2,000 miles or more	156	130	357
SCTG 27, Pulp, newsprint, paper, and paperboard	**13 836**	**14 607**	**5 909**
Less than 50 miles	4 105	4 815	110
50 to 99 miles	1 432	1 297	123
100 to 249 miles	2 771	2 749	588
250 to 499 miles	2 214	2 353	1 033
500 to 749 miles	1 317	1 537	1 182
750 to 999 miles	788	843	910
1,000 to 1,499 miles	642	565	777
1,500 to 1,999 miles	182	90	173
2,000 miles or more	384	357	1 013
SCTG 28, Paper or paperboard articles	**13 670**	**9 163**	**2 069**
Less than 50 miles	5 791	4 387	109
50 to 99 miles	1 688	1 418	131
100 to 249 miles	2 326	1 499	305
250 to 499 miles	1 663	691	294
500 to 749 miles	1 133	708	530
750 to 999 miles	470	216	217
1,000 to 1,499 miles	290	116	162
1,500 to 1,999 miles	95	S	S
2,000 miles or more	212	88	244
SCTG 29, Printed products	**80 779**	**14 477**	**4 718**
Less than 50 miles	21 507	7 774	156
50 to 99 miles	9 138	1 357	133
100 to 249 miles	S	2 188	497
250 to 499 miles	7 103	912	406
500 to 749 miles	5 186	824	642
750 to 999 miles	3 982	339	343
1,000 to 1,499 miles	2 417	256	346
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	734	2 026
SCTG 30, Textiles, leather, and articles of textiles or leather	**52 746**	**3 700**	**2 097**
Less than 50 miles	13 167	1 205	25
50 to 99 miles	3 574	265	24
100 to 249 miles	7 209	506	108
250 to 499 miles	6 337	486	225
500 to 749 miles	6 287	395	295
750 to 999 miles	4 263	203	201
1,000 to 1,499 miles	6 089	375	527
1,500 to 1,999 miles	1 158	52	102
2,000 miles or more	4 663	213	589
SCTG 31, Nonmetallic mineral products	**16 939**	**93 522**	**8 490**
Less than 50 miles	6 219	70 095	1 410
50 to 99 miles	1 882	9 998	926
100 to 249 miles	2 931	8 078	1 570
250 to 499 miles	2 317	2 906	1 243
500 to 749 miles	1 466	1 055	780
750 to 999 miles	559	316	326
1,000 to 1,499 miles	620	368	531
1,500 to 1,999 miles	281	264	533
2,000 miles or more	663	442	1 171
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**43 156**	**30 868**	**12 197**
Less than 50 miles	8 145	8 754	179
50 to 99 miles	3 853	3 193	291
100 to 249 miles	8 086	6 134	1 437
250 to 499 miles	10 961	6 409	2 995
500 to 749 miles	5 871	3 265	2 519
750 to 999 miles	2 264	1 282	1 294
1,000 to 1,499 miles	1 902	1 182	1 820
1,500 to 1,999 miles	311	122	243
2,000 miles or more	1 762	526	1 419

See footnotes at end of table.

Table 8. **Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**27 116**	**12 871**	**4 788**
Less than 50 miles	8 091	3 270	90
50 to 99 miles	3 534	2 057	191
100 to 249 miles	4 835	3 320	767
250 to 499 miles	4 052	2 165	939
500 to 749 miles	1 919	727	546
750 to 999 miles	1 320	381	410
1,000 to 1,499 miles	1 412	491	704
1,500 to 1,999 miles	472	S	S
2,000 miles or more	1 481	339	914
SCTG 34, Machinery	**44 745**	**4 485**	**1 835**
Less than 50 miles	12 290	1 644	40
50 to 99 miles	4 077	394	35
100 to 249 miles	7 272	729	153
250 to 499 miles	7 167	709	275
500 to 749 miles	4 033	371	276
750 to 999 miles	2 710	162	167
1,000 to 1,499 miles	3 667	269	381
1,500 to 1,999 miles	1 133	84	158
2,000 miles or more	2 395	124	350
SCTG 35, Electronic and other electrical equipment and components and office equipment	**89 150**	**3 943**	**2 574**
Less than 50 miles	19 484	862	22
50 to 99 miles	9 526	279	26
100 to 249 miles	14 147	590	126
250 to 499 miles	9 621	658	280
500 to 749 miles	11 673	684	531
750 to 999 miles	5 152	223	232
1,000 to 1,499 miles	8 700	262	366
1,500 to 1,999 miles	1 920	92	186
2,000 miles or more	8 926	292	805
SCTG 36, Motorized and other vehicles (including parts)	**40 750**	**5 981**	**2 309**
Less than 50 miles	13 048	1 816	43
50 to 99 miles	7 075	853	74
100 to 249 miles	5 307	784	170
250 to 499 miles	7 138	1 266	586
500 to 749 miles	3 700	606	444
750 to 999 miles	1 448	234	253
1,000 to 1,499 miles	1 537	281	396
1,500 to 1,999 miles	384	58	114
2,000 miles or more	1 113	82	228
SCTG 37, Transportation equipment, n.e.c.	**6 450**	**944**	**926**
Less than 50 miles	785	114	2
50 to 99 miles	212	25	2
100 to 249 miles	1 055	126	29
250 to 499 miles	929	S	S
500 to 749 miles	560	S	S
750 to 999 miles	575	39	41
1,000 to 1,499 miles	1 318	172	271
1,500 to 1,999 miles	S	S	S
2,000 miles or more	879	S	S
SCTG 38, Precision instruments and apparatus	**23 343**	**345**	**274**
Less than 50 miles	5 651	73	2
50 to 99 miles	1 214	28	3
100 to 249 miles	2 630	44	10
250 to 499 miles	3 675	62	28
500 to 749 miles	3 019	37	27
750 to 999 miles	1 384	18	19
1,000 to 1,499 miles	2 209	25	36
1,500 to 1,999 miles	873	12	23
2,000 miles or more	2 688	46	126
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**9 168**	**1 500**	**637**
Less than 50 miles	3 152	516	12
50 to 99 miles	962	187	17
100 to 249 miles	1 905	317	60
250 to 499 miles	1 088	152	68
500 to 749 miles	473	84	65
750 to 999 miles	515	92	95
1,000 to 1,499 miles	448	60	83
1,500 to 1,999 miles	161	22	40
2,000 miles or more	463	71	197
SCTG 40, Miscellaneous manufactured products	**64 137**	**S**	**3 929**
Less than 50 miles	16 763	S	99
50 to 99 miles	5 960	1 439	128
100 to 249 miles	9 613	1 533	314
250 to 499 miles	7 702	923	419
500 to 749 miles	7 224	820	615
750 to 999 miles	3 763	421	424
1,000 to 1,499 miles	5 810	489	682
1,500 to 1,999 miles	2 111	119	235
2,000 miles or more	5 191	368	1 012

See footnotes at end of table.

Table 8. **Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**4 277**	**20 029**	**4 863**
Less than 50 miles	1 796	10 661	306
50 to 99 miles	470	2 177	203
100 to 249 miles	811	2 769	578
250 to 499 miles	682	2 219	972
500 to 749 miles	293	S	S
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 43, Mixed freight	**25 357**	**12 017**	**1 641**
Less than 50 miles	12 942	6 962	198
50 to 99 miles	4 970	2 486	224
100 to 249 miles	3 793	1 575	288
250 to 499 miles	990	444	184
500 to 749 miles	692	221	168
750 to 999 miles	S	72	75
1,000 to 1,499 miles	368	138	193
1,500 to 1,999 miles	34	S	S
2,000 miles or more	S	105	282
Commodity unknown	**4 054**	**1 737**	**686**
Less than 50 miles	1 587	1 029	S
50 to 99 miles	139	104	9
100 to 249 miles	679	145	32
250 to 499 miles	412	125	54
500 to 749 miles	390	98	74
750 to 999 miles	272	76	78
1,000 to 1,499 miles	201	27	37
1,500 to 1,999 miles	S	S	S
2,000 miles or more	266	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 Division: 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	**873 472**	**1 053 082**	**150 564**
Less than 50 lb	144 502	3 669	1 509
50 to 99 lb	36 859	2 173	663
100 to 499 lb	115 905	11 557	2 844
500 to 749 lb	30 058	5 151	1 115
750 to 999 lb	28 458	4 540	1 168
1,000 to 9,999 lb	211 161	69 638	14 495
10,000 to 49,999 lb	248 556	485 769	70 484
50,000 to 99,999 lb	26 122	175 374	11 633
100,000 lb or more	31 850	295 212	46 652
SCTG 01, Live animals and live fish	**129**	**137**	**70**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	–
500 to 749 lb	S	S	–
750 to 999 lb	3	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	42	43	27
50,000 to 99,999 lb	26	29	21
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**714**	**2 258**	**265**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	–
100 to 499 lb	S	S	–
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	27	S	S
10,000 to 49,999 lb	517	919	S
50,000 to 99,999 lb	124	1 023	38
100,000 lb or more	27	S	S
SCTG 03, Other agricultural products	**7 672**	**10 251**	**1 156**
Less than 50 lb	145	22	S
50 to 99 lb	99	37	S
100 to 499 lb	771	389	17
500 to 749 lb	371	247	13
750 to 999 lb	252	163	9
1,000 to 9,999 lb	2 438	S	210
10,000 to 49,999 lb	3 139	4 449	631
50,000 to 99,999 lb	443	2 044	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 902**	**10 167**	**1 190**
Less than 50 lb	65	7	3
50 to 99 lb	S	7	S
100 to 499 lb	130	77	5
500 to 749 lb	64	58	S
750 to 999 lb	31	45	S
1,000 to 9,999 lb	1 113	2 155	114
10,000 to 49,999 lb	2 133	6 538	894
50,000 to 99,999 lb	S	S	63
100,000 lb or more	159	506	S
SCTG 05, Meat, fish, seafood, and their preparations	**14 885**	**5 455**	**1 680**
Less than 50 lb	280	30	1
50 to 99 lb	326	54	1
100 to 499 lb	1 583	407	18
500 to 749 lb	670	204	19
750 to 999 lb	479	157	11
1,000 to 9,999 lb	5 093	1 876	325
10,000 to 49,999 lb	5 874	2 511	1 276
50,000 to 99,999 lb	142	S	13
100,000 lb or more	438	140	S
SCTG 06, Milled grain products and preparations, and bakery products	**15 249**	**11 234**	**3 796**
Less than 50 lb	613	182	6
50 to 99 lb	327	118	5
100 to 499 lb	851	388	29
500 to 749 lb	358	173	11
750 to 999 lb	295	174	11
1,000 to 9,999 lb	3 170	2 054	269
10,000 to 49,999 lb	8 565	6 577	2 914
50,000 to 99,999 lb	640	1 094	143
100,000 lb or more	430	475	S
SCTG 07, Other prepared foodstuffs and fats and oils	**56 319**	**52 108**	**10 935**
Less than 50 lb	926	109	5
50 to 99 lb	665	171	7
100 to 499 lb	3 101	1 591	78
500 to 749 lb	1 368	696	58
750 to 999 lb	1 020	554	67
1,000 to 9,999 lb	13 728	10 022	1 150
10,000 to 49,999 lb	34 341	35 847	9 138
50,000 to 99,999 lb	881	1 726	254
100,000 lb or more	289	S	177

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**10 986**	**11 273**	**3 362**
Less than 50 lb	414	S	S
50 to 99 lb	215	40	2
100 to 499 lb	985	594	12
500 to 749 lb	519	397	8
750 to 999 lb	313	277	5
1,000 to 9,999 lb	2 342	2 160	71
10,000 to 49,999 lb	5 850	7 353	2 986
50,000 to 99,999 lb	228	283	93
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**5 324**	**255**	**30**
Less than 50 lb	905	16	1
50 to 99 lb	665	17	1
100 to 499 lb	1 708	57	6
500 to 749 lb	326	15	3
750 to 999 lb	186	10	2
1,000 to 9,999 lb	1 396	113	11
10,000 to 49,999 lb	137	26	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**627**	**3 718**	**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
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	268	2 511	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 11, Natural sands	**828**	**46 837**	**2 092**
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	2	5	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	43	304	S
10,000 to 49,999 lb	555	17 287	715
50,000 to 99,999 lb	105	S	655
100,000 lb or more	113	14 120	685
SCTG 12, Gravel and crushed stone	**1 556**	**221 158**	**6 283**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	–	4	S
500 to 749 lb	S	3	S
750 to 999 lb	–	4	S
1,000 to 9,999 lb	18	1 270	22
10,000 to 49,999 lb	864	131 164	4 154
50,000 to 99,999 lb	316	40 425	1 350
100,000 lb or more	357	48 287	756
SCTG 13, Nonmetallic minerals n.e.c.	**957**	**38 842**	**2 556**
Less than 50 lb	3	–	–
50 to 99 lb	S	S	S
100 to 499 lb	16	11	1
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	134	419	40
10,000 to 49,999 lb	516	14 682	1 127
50,000 to 99,999 lb	121	9 813	756
100,000 lb or more	77	13 877	631
SCTG 14, Metallic ores and concentrates	**899**	**2 100**	**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
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	33	S
10,000 to 49,999 lb	493	741	S
50,000 to 99,999 lb	116	1 065	S
100,000 lb or more	81	254	112
SCTG 15, Coal	**3 235**	**110 980**	**21 256**
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	42	317	6
10,000 to 49,999 lb	1 060	23 045	1 297
50,000 to 99,999 lb	178	6 588	382
100,000 lb or more	1 954	81 028	19 571

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**17 222**	**67 847**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	–
500 to 749 lb	S	S	S
750 to 999 lb	6	15	–
1,000 to 9,999 lb	608	1 364	48
10,000 to 49,999 lb	2 759	9 994	430
50,000 to 99,999 lb	8 246	29 356	1 182
100,000 lb or more	5 568	27 037	S
SCTG 18, Fuel oils	**10 730**	**55 311**	**2 407**
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	81	246	4
750 to 999 lb	134	427	7
1,000 to 9,999 lb	1 391	4 573	99
10,000 to 49,999 lb	2 596	13 693	S
50,000 to 99,999 lb	3 083	17 416	706
100,000 lb or more	3 368	18 821	1 006
SCTG 19, Coal and petroleum products, n.e.c.	**8 328**	**82 314**	**3 655**
Less than 50 lb	29	8	–
50 to 99 lb	S	12	S
100 to 499 lb	193	138	9
500 to 749 lb	88	75	5
750 to 999 lb	77	94	5
1,000 to 9,999 lb	645	1 390	66
10,000 to 49,999 lb	3 631	48 836	1 575
50,000 to 99,999 lb	787	12 266	412
100,000 lb or more	2 808	19 494	1 578
SCTG 20, Basic chemicals	**16 519**	**15 722**	**5 685**
Less than 50 lb	1 122	23	11
50 to 99 lb	457	29	7
100 to 499 lb	1 340	248	46
500 to 749 lb	327	157	21
750 to 999 lb	257	84	19
1,000 to 9,999 lb	5 324	2 246	409
10,000 to 49,999 lb	5 930	7 759	2 066
50,000 to 99,999 lb	203	S	66
100,000 lb or more	1 559	4 839	3 040
SCTG 21, Pharmaceutical products	**51 639**	**1 625**	**700**
Less than 50 lb	18 612	129	83
50 to 99 lb	4 594	47	32
100 to 499 lb	8 969	143	69
500 to 749 lb	1 750	44	23
750 to 999 lb	S	35	19
1,000 to 9,999 lb	6 960	294	134
10,000 to 49,999 lb	6 894	867	289
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**753**	**2 493**	**391**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	7	S
500 to 749 lb	20	16	2
750 to 999 lb	6	S	S
1,000 to 9,999 lb	275	553	43
10,000 to 49,999 lb	418	S	S
50,000 to 99,999 lb	S	108	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**38 397**	**7 765**	**3 967**
Less than 50 lb	3 805	94	44
50 to 99 lb	1 495	67	29
100 to 499 lb	6 654	382	130
500 to 749 lb	2 141	164	58
750 to 999 lb	1 660	158	70
1,000 to 9,999 lb	14 321	1 689	878
10,000 to 49,999 lb	7 259	4 091	1 876
50,000 to 99,999 lb	189	147	96
100,000 lb or more	872	973	787
SCTG 24, Plastics and rubber	**38 090**	**13 835**	**7 989**
Less than 50 lb	3 112	113	46
50 to 99 lb	1 159	95	34
100 to 499 lb	4 864	678	203
500 to 749 lb	1 489	288	100
750 to 999 lb	909	205	71
1,000 to 9,999 lb	13 373	4 129	1 598
10,000 to 49,999 lb	11 424	6 191	3 816
50,000 to 99,999 lb	266	182	141
100,000 lb or more	1 494	1 954	1 979

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**480**	**3 270**	**296**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	1	S	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	84	S
10,000 to 49,999 lb	254	1 367	140
50,000 to 99,999 lb	42	1 395	69
100,000 lb or more	31	422	78
SCTG 26, Wood products	**8 357**	**13 654**	**2 685**
Less than 50 lb	378	24	S
50 to 99 lb	164	24	6
100 to 499 lb	1 001	147	28
500 to 749 lb	309	75	8
750 to 999 lb	214	56	11
1,000 to 9,999 lb	2 232	1 342	140
10,000 to 49,999 lb	3 285	7 717	1 307
50,000 to 99,999 lb	520	2 906	334
100,000 lb or more	254	1 365	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**13 836**	**14 607**	**5 909**
Less than 50 lb	240	39	3
50 to 99 lb	144	31	2
100 to 499 lb	623	241	16
500 to 749 lb	246	117	10
750 to 999 lb	232	122	11
1,000 to 9,999 lb	2 604	1 585	316
10,000 to 49,999 lb	8 909	10 580	4 487
50,000 to 99,999 lb	205	S	132
100,000 lb or more	632	1 146	932
SCTG 28, Paper or paperboard articles	**13 670**	**9 163**	**2 069**
Less than 50 lb	768	57	20
50 to 99 lb	280	43	7
100 to 499 lb	1 277	340	39
500 to 749 lb	496	186	21
750 to 999 lb	368	152	17
1,000 to 9,999 lb	3 901	2 269	356
10,000 to 49,999 lb	6 373	5 390	1 409
50,000 to 99,999 lb	29	216	34
100,000 lb or more	S	510	S
SCTG 29, Printed products	**80 779**	**14 477**	**4 718**
Less than 50 lb	11 810	1 080	258
50 to 99 lb	3 473	437	106
100 to 499 lb	17 798	1 473	S
500 to 749 lb	3 057	362	S
750 to 999 lb	S	502	S
1,000 to 9,999 lb	S	3 945	1 419
10,000 to 49,999 lb	7 539	4 237	1 530
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	96
SCTG 30, Textiles, leather, and articles of textiles or leather	**52 746**	**3 700**	**2 097**
Less than 50 lb	11 749	305	262
50 to 99 lb	3 322	149	114
100 to 499 lb	9 804	538	320
500 to 749 lb	2 781	196	80
750 to 999 lb	2 242	121	59
1,000 to 9,999 lb	16 446	1 275	781
10,000 to 49,999 lb	6 090	1 033	436
50,000 to 99,999 lb	133	S	S
100,000 lb or more	180	36	S
SCTG 31, Nonmetallic mineral products	**16 939**	**93 522**	**8 490**
Less than 50 lb	896	40	S
50 to 99 lb	312	41	13
100 to 499 lb	1 307	256	66
500 to 749 lb	294	103	19
750 to 999 lb	323	113	29
1,000 to 9,999 lb	3 605	3 402	647
10,000 to 49,999 lb	8 456	47 439	5 000
50,000 to 99,999 lb	1 186	22 137	1 729
100,000 lb or more	561	S	947
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**43 156**	**30 868**	**12 197**
Less than 50 lb	1 021	44	15
50 to 99 lb	562	52	12
100 to 499 lb	2 571	363	80
500 to 749 lb	676	137	30
750 to 999 lb	604	137	36
1,000 to 9,999 lb	7 722	2 715	828
10,000 to 49,999 lb	24 967	20 176	7 701
50,000 to 99,999 lb	1 846	2 471	900
100,000 lb or more	3 187	4 774	2 595

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**27 116**	**12 871**	**4 788**
Less than 50 lb	4 470	132	72
50 to 99 lb	1 378	90	31
100 to 499 lb	3 724	445	136
500 to 749 lb	881	152	54
750 to 999 lb	867	150	44
1,000 to 9,999 lb	6 787	2 521	1 034
10,000 to 49,999 lb	7 787	7 254	2 303
50,000 to 99,999 lb	390	605	322
100,000 lb or more	832	1 520	792
SCTG 34, Machinery	**44 745**	**4 485**	**1 835**
Less than 50 lb	6 129	123	36
50 to 99 lb	2 198	78	23
100 to 499 lb	6 115	329	112
500 to 749 lb	2 600	159	75
750 to 999 lb	1 217	105	41
1,000 to 9,999 lb	11 025	982	456
10,000 to 49,999 lb	12 550	2 048	901
50,000 to 99,999 lb	1 637	446	94
100,000 lb or more	1 274	216	96
SCTG 35, Electronic and other electrical equipment and components and office equipment	**89 150**	**3 943**	**2 574**
Less than 50 lb	29 586	240	128
50 to 99 lb	5 941	124	55
100 to 499 lb	17 516	449	228
500 to 749 lb	3 677	140	70
750 to 999 lb	2 996	96	54
1,000 to 9,999 lb	16 840	1 078	668
10,000 to 49,999 lb	12 361	1 760	1 321
50,000 to 99,999 lb	S	40	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**40 750**	**5 981**	**2 309**
Less than 50 lb	4 115	209	52
50 to 99 lb	1 495	124	23
100 to 499 lb	4 510	332	100
500 to 749 lb	1 165	112	23
750 to 999 lb	887	86	29
1,000 to 9,999 lb	13 597	1 891	410
10,000 to 49,999 lb	10 916	2 533	1 277
50,000 to 99,999 lb	1 785	323	188
100,000 lb or more	S	370	206
SCTG 37, Transportation equipment, n.e.c.	**6 450**	**944**	**926**
Less than 50 lb	2 152	5	5
50 to 99 lb	525	4	3
100 to 499 lb	1 287	12	13
500 to 749 lb	S	5	4
750 to 999 lb	S	3	2
1,000 to 9,999 lb	503	80	65
10,000 to 49,999 lb	756	512	S
50,000 to 99,999 lb	346	120	125
100,000 lb or more	S	S	236
SCTG 38, Precision instruments and apparatus	**23 343**	**345**	**274**
Less than 50 lb	12 231	76	58
50 to 99 lb	2 782	24	20
100 to 499 lb	4 666	91	77
500 to 749 lb	703	21	13
750 to 999 lb	572	14	8
1,000 to 9,999 lb	1 945	84	81
10,000 to 49,999 lb	444	34	17
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**9 168**	**1 500**	**637**
Less than 50 lb	439	28	13
50 to 99 lb	286	27	12
100 to 499 lb	1 811	224	93
500 to 749 lb	683	100	52
750 to 999 lb	421	64	15
1,000 to 9,999 lb	3 474	634	269
10,000 to 49,999 lb	2 001	392	178
50,000 to 99,999 lb	S	18	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**64 137**	**S**	**3 929**
Less than 50 lb	27 255	416	315
50 to 99 lb	3 262	139	97
100 to 499 lb	7 825	522	304
500 to 749 lb	1 939	189	116
750 to 999 lb	1 351	144	84
1,000 to 9,999 lb	10 042	1 865	956
10,000 to 49,999 lb	11 679	5 641	1 895
50,000 to 99,999 lb	376	340	82
100,000 lb or more	S	S	81

See footnotes at end of table.

Table 9. **Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**4 277**	**20 029**	**4 863**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	3	S	–
500 to 749 lb	S	S	–
750 to 999 lb	5	S	S
1,000 to 9,999 lb	177	262	11
10,000 to 49,999 lb	3 015	11 906	1 406
50,000 to 99,999 lb	226	1 244	219
100,000 lb or more	837	6 607	S
SCTG 43, Mixed freight	**25 357**	**12 017**	**1 641**
Less than 50 lb	722	63	14
50 to 99 lb	400	56	9
100 to 499 lb	1 768	466	50
500 to 749 lb	596	224	15
750 to 999 lb	692	214	17
1,000 to 9,999 lb	6 352	3 088	397
10,000 to 49,999 lb	14 618	7 746	1 090
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**4 054**	**1 737**	**686**
Less than 50 lb	479	8	5
50 to 99 lb	184	5	2
100 to 499 lb	S	30	16
500 to 749 lb	65	14	2
750 to 999 lb	58	17	3
1,000 to 9,999 lb	974	307	S
10,000 to 49,999 lb	1 289	1 127	545
50,000 to 99,999 lb	S	24	S
100,000 lb or more	S	S	S

– Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons. Some unpublished estimates can be derived from other data published in this table. However, figures obtained in this manner are subject to these same limitations.

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

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**873 472**	**1 053 082**	**150 564**	**454**	**285 696**	**737 000**	**14 531**	**93 052**	**99 803**	**9 503**
Less than 50 lb	144 502	3 669	1 509	527	40 488	2 037	38	13 770	206	19
50 to 99 lb	36 859	2 173	663	304	14 063	1 396	26	2 972	143	13
100 to 499 lb	115 905	11 557	2 844	254	40 859	7 550	147	11 157	1 039	97
500 to 749 lb	30 058	5 151	1 115	213	10 839	3 463	67	2 291	486	44
750 to 999 lb	28 458	4 540	1 168	255	8 360	2 921	57	1 833	410	37
1,000 to 9,999 lb	211 161	69 638	14 495	209	68 956	41 822	900	25 741	8 878	821
10,000 to 49,999 lb	248 556	485 769	70 484	155	71 439	332 631	7 381	30 736	47 454	4 337
50,000 to 99,999 lb	26 122	175 374	11 633	66	16 092	139 804	3 471	2 729	20 871	1 923
100,000 lb or more	31 850	295 212	46 652	150	14 601	205 377	2 442	1 822	20 316	2 213
SCTG 01, Live animals and live fish	**129**	**137**	**70**	**S**	**S**	**S**	**–**	**3**	**3**	**–**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	–	49	S	S	S	S	S	S
500 to 749 lb	S	S	–	60	S	S	S	S	S	S
750 to 999 lb	3	S	S	141	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	182	S	S	S	S	S	S
10,000 to 49,999 lb	42	43	27	515	3	3	–	2	S	–
50,000 to 99,999 lb	26	29	21	720	S	S	S	–	–	–
100,000 lb or more	S	S	S	672	S	S	S	–	–	–
SCTG 02, Cereal grains	**714**	**2 258**	**265**	**S**	**332**	**1 782**	**40**	**26**	**184**	**17**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	–	30	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	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	34	S	S	S	–	–	–
1,000 to 9,999 lb	27	S	S	22	S	S	S	S	S	S
10,000 to 49,999 lb	517	919	S	217	181	673	10	7	58	4
50,000 to 99,999 lb	124	1 023	38	37	107	949	27	5	44	4
100,000 lb or more	27	S	S	269	S	S	S	S	S	S
SCTG 03, Other agricultural products	**7 672**	**10 251**	**1 156**	**S**	**4 883**	**6 319**	**184**	**S**	**S**	**S**
Less than 50 lb	145	22	S	189	94	18	–	7	1	–
50 to 99 lb	99	37	S	S	78	33	–	7	2	–
100 to 499 lb	771	389	17	S	637	348	5	S	S	S
500 to 749 lb	371	247	13	S	249	186	3	S	S	S
750 to 999 lb	252	163	9	S	209	143	2	12	9	1
1,000 to 9,999 lb	2 438	S	210	71	1 535	1 972	S	S	S	S
10,000 to 49,999 lb	3 139	4 449	631	123	1 930	2 603	91	S	S	S
50,000 to 99,999 lb	443	2 044	S	127	S	S	S	S	S	S
100,000 lb or more	S	S	S	193	–	–	–	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 902**	**10 167**	**1 190**	**167**	**1 848**	**6 898**	**178**	**398**	**1 252**	**119**
Less than 50 lb	65	7	3	518	S	S	–	S	S	S
50 to 99 lb	S	7	S	77	9	6	–	S	S	S
100 to 499 lb	130	77	5	S	84	67	1	S	S	S
500 to 749 lb	64	58	S	71	34	44	1	S	S	S
750 to 999 lb	31	45	S	86	16	S	1	S	3	–
1,000 to 9,999 lb	1 113	2 155	114	53	567	1 816	47	S	166	16
10,000 to 49,999 lb	2 133	6 538	894	S	901	3 930	116	233	982	92
50,000 to 99,999 lb	S	S	63	S	S	S	5	15	92	9
100,000 lb or more	159	506	S	436	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**14 885**	**5 455**	**1 680**	**62**	**6 680**	**2 306**	**54**	**2 111**	**851**	**79**
Less than 50 lb	280	30	1	S	262	27	–	15	2	–
50 to 99 lb	326	54	1	26	300	50	1	22	3	–
100 to 499 lb	1 583	407	18	42	1 322	336	8	198	56	5
500 to 749 lb	670	204	19	89	528	161	4	63	24	2
750 to 999 lb	479	157	11	68	385	127	3	63	20	2
1,000 to 9,999 lb	5 093	1 876	325	144	2 327	938	20	999	375	35
10,000 to 49,999 lb	5 874	2 511	1 276	429	1 146	542	17	713	333	31
50,000 to 99,999 lb	142	S	13	168	S	S	S	S	S	S
100,000 lb or more	438	140	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**15 249**	**11 234**	**3 796**	**S**	**5 901**	**4 132**	**89**	**2 652**	**2 022**	**190**
Less than 50 lb	613	182	6	S	545	169	3	31	8	1
50 to 99 lb	327	118	5	S	302	110	2	17	4	–
100 to 499 lb	851	388	29	75	701	324	7	70	29	3
500 to 749 lb	358	173	11	59	262	125	2	44	21	2
750 to 999 lb	295	174	11	65	225	133	2	29	17	2
1,000 to 9,999 lb	3 170	2 054	269	92	1 663	1 169	16	637	400	39
10,000 to 49,999 lb	8 565	6 577	2 914	414	1 644	1 625	41	1 643	1 173	110
50,000 to 99,999 lb	640	1 094	143	S	S	416	13	81	325	31
100,000 lb or more	430	475	S	560	S	60	3	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 Division: 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	**56 319**	**52 108**	**10 935**	**78**	**23 866**	**26 750**	**666**	**7 780**	**7 995**	**737**
Less than 50 lb	926	109	5	S	812	101	1	S	3	–
50 to 99 lb	665	171	7	40	576	161	3	21	4	–
100 to 499 lb	3 101	1 591	78	48	2 246	1 420	24	160	84	8
500 to 749 lb	1 368	696	58	82	851	575	12	164	61	6
750 to 999 lb	1 020	554	67	119	541	412	9	109	66	6
1,000 to 9,999 lb	13 728	10 022	1 150	116	6 179	6 418	144	2 170	1 694	154
10,000 to 49,999 lb	34 341	35 847	9 138	241	12 145	15 616	403	4 817	5 541	519
50,000 to 99,999 lb	881	1 726	254	S	357	S	S	S	S	S
100,000 lb or more	289	S	177	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	**10 986**	**11 273**	**3 362**	**44**	**6 237**	**5 228**	**99**	**725**	**867**	**76**
Less than 50 lb	414	S	S	66	363	31	–	S	2	–
50 to 99 lb	215	40	2	39	198	34	1	10	2	–
100 to 499 lb	985	594	12	20	917	570	9	54	20	2
500 to 749 lb	519	397	8	19	502	385	7	15	11	1
750 to 999 lb	313	277	5	19	294	266	4	16	9	1
1,000 to 9,999 lb	2 342	2 160	71	26	2 190	2 058	36	101	67	5
10,000 to 49,999 lb	5 850	7 353	2 986	344	1 692	1 792	41	489	757	67
50,000 to 99,999 lb	228	283	93	290	74	84	S	–	–	–
100,000 lb or more	S	S	S	797	S	S	S	–	–	–
SCTG 09, Tobacco products	**5 324**	**255**	**30**	**70**	**4 073**	**174**	**5**	**518**	**43**	**4**
Less than 50 lb	905	16	1	58	776	15	–	29	1	–
50 to 99 lb	665	17	1	53	617	16	–	S	1	–
100 to 499 lb	1 708	57	6	96	1 394	46	1	123	5	–
500 to 749 lb	326	15	3	233	247	10	–	11	2	–
750 to 999 lb	186	10	2	188	116	6	S	S	S	S
1,000 to 9,999 lb	1 396	113	11	S	820	S	S	S	33	3
10,000 to 49,999 lb	137	26	S	159	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**627**	**3 718**	**S**	**61**	**S**	**2 930**	**81**	**S**	**368**	**34**
Less than 50 lb	S	S	S	27	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	13	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	268	2 511	S	S	113	1 825	47	S	306	29
50,000 to 99,999 lb	S	S	S	60	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**828**	**46 837**	**2 092**	**62**	**497**	**40 792**	**1 014**	**125**	**S**	**S**
Less than 50 lb	S	S	S	168	S	S	S	S	S	S
50 to 99 lb	S	S	S	303	–	–	–	–	–	–
100 to 499 lb	S	S	S	116	S	S	S	S	S	S
500 to 749 lb	2	5	S	175	S	S	–	S	S	S
750 to 999 lb	S	S	S	79	S	S	S	S	S	S
1,000 to 9,999 lb	43	304	S	157	12	199	3	S	S	S
10,000 to 49,999 lb	555	17 287	715	52	329	15 628	385	S	S	S
50,000 to 99,999 lb	105	S	655	44	S	S	S	13	844	86
100,000 lb or more	113	14 120	685	55	67	11 062	160	S	S	S
SCTG 12, Gravel and crushed stone	**1 556**	**221 158**	**6 283**	**30**	**1 402**	**203 543**	**4 020**	**103**	**13 004**	**1 124**
Less than 50 lb	S	S	S	17	S	S	S	–	–	–
50 to 99 lb	S	S	S	19	S	S	S	–	–	–
100 to 499 lb	–	4	S	S	–	3	S	S	S	S
500 to 749 lb	S	3	S	56	S	2	–	S	S	S
750 to 999 lb	–	4	S	S	–	4	–	S	S	S
1,000 to 9,999 lb	18	1 270	22	17	15	1 223	13	S	S	S
10,000 to 49,999 lb	864	131 164	4 154	30	773	119 156	2 687	58	8 703	725
50,000 to 99,999 lb	316	40 425	1 350	34	271	35 900	872	34	3 754	334
100,000 lb or more	357	48 287	756	S	342	47 254	448	S	525	63
SCTG 13, Nonmetallic minerals n.e.c.	**957**	**38 842**	**2 556**	**89**	**412**	**28 898**	**719**	**86**	**5 957**	**535**
Less than 50 lb	3	–	–	S	S	–	–	S	S	S
50 to 99 lb	S	S	S	151	S	S	S	S	S	S
100 to 499 lb	16	11	1	S	9	9	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
1,000 to 9,999 lb	134	419	40	115	43	311	4	6	16	2
10,000 to 49,999 lb	516	14 682	1 127	76	167	12 001	310	34	791	86
50,000 to 99,999 lb	121	9 813	756	80	73	6 274	235	25	S	S
100,000 lb or more	77	13 877	631	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 Division: 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	**899**	**2 100**	**S**	**476**	**186**	**948**	**22**	**72**	**S**	**S**
Less than 50 lb	S	S	S	468	S	S	S	S	S	S
50 to 99 lb	S	S	S	429	S	S	S	S	S	S
100 to 499 lb	S	S	S	551	S	S	S	S	S	S
500 to 749 lb	S	S	S	340	S	S	S	S	S	S
750 to 999 lb	S	S	S	214	S	S	S	S	S	S
1,000 to 9,999 lb	S	33	S	339	S	S	S	S	1	–
10,000 to 49,999 lb	493	741	S	757	S	187	5	S	39	4
50,000 to 99,999 lb	116	1 065	S	325	53	718	15	S	S	S
100,000 lb or more	81	254	112	444	S	S	S	–	–	–
SCTG 15, Coal	**3 235**	**110 980**	**21 256**	**52**	**1 861**	**59 534**	**1 101**	**302**	**11 943**	**1 377**
Less than 50 lb	S	S	S	282	–	–	–	–	–	–
50 to 99 lb	S	S	S	259	–	–	–	–	–	–
100 to 499 lb	S	S	S	7	S	S	S	–	–	–
500 to 749 lb	S	S	S	45	S	S	S	S	S	S
750 to 999 lb	S	S	S	19	S	S	S	–	–	–
1,000 to 9,999 lb	42	317	6	18	40	292	3	S	S	S
10,000 to 49,999 lb	1 060	23 045	1 297	52	862	18 705	405	73	2 065	193
50,000 to 99,999 lb	178	6 588	382	S	129	5 238	91	S	S	52
100,000 lb or more	1 954	81 028	19 571	119	830	35 297	602	211	9 323	1 130
SCTG 17, Gasoline and aviation turbine fuel	**17 222**	**67 847**	**S**	**32**	**14 578**	**56 563**	**974**	**1 073**	**4 089**	**347**
Less than 50 lb	S	S	S	17	S	S	S	–	–	–
50 to 99 lb	S	S	S	14	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	S	–
750 to 999 lb	6	15	–	18	6	15	–	S	S	S
1,000 to 9,999 lb	608	1 364	48	31	496	1 169	23	53	112	11
10,000 to 49,999 lb	2 759	9 994	430	45	2 344	8 179	172	298	1 288	117
50,000 to 99,999 lb	8 246	29 356	1 182	41	7 480	26 191	669	547	2 097	172
100,000 lb or more	5 568	27 037	S	74	4 218	20 928	109	S	S	S
SCTG 18, Fuel oils	**10 730**	**55 311**	**2 407**	**23**	**8 745**	**43 537**	**603**	**1 219**	**7 429**	**763**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	21	S	S	S	S	S	S
100 to 499 lb	S	S	S	23	S	S	S	1	1	–
500 to 749 lb	81	246	4	17	80	243	4	1	2	–
750 to 999 lb	134	427	7	16	133	423	6	S	S	S
1,000 to 9,999 lb	1 391	4 573	99	18	1 280	4 393	77	67	129	13
10,000 to 49,999 lb	2 596	13 693	S	39	2 098	10 432	165	S	S	S
50,000 to 99,999 lb	3 083	17 416	706	41	2 622	14 571	297	370	2 286	197
100,000 lb or more	3 368	18 821	1 006	77	2 457	13 342	50	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**8 328**	**82 314**	**3 655**	**S**	**5 566**	**72 028**	**1 147**	**830**	**3 241**	**320**
Less than 50 lb	29	8	–	39	26	8	–	1	–	–
50 to 99 lb	S	12	S	493	12	8	–	S	–	S
100 to 499 lb	193	138	9	77	142	130	3	7	2	–
500 to 749 lb	88	75	5	S	44	70	1	S	2	–
750 to 999 lb	77	94	5	54	58	83	2	S	S	S
1,000 to 9,999 lb	645	1 390	66	S	464	1 271	22	58	52	5
10,000 to 49,999 lb	3 631	48 836	1 575	29	2 267	44 142	645	507	2 313	227
50,000 to 99,999 lb	787	12 266	412	S	601	11 128	202	84	586	57
100,000 lb or more	2 808	19 494	1 578	192	1 952	15 188	273	S	S	S
SCTG 20, Basic chemicals	**16 519**	**15 722**	**5 685**	**371**	**4 961**	**6 829**	**174**	**1 146**	**1 651**	**156**
Less than 50 lb	1 122	23	11	574	277	S	S	60	1	–
50 to 99 lb	457	29	7	234	S	S	S	9	1	–
100 to 499 lb	1 340	248	46	194	449	182	4	41	11	1
500 to 749 lb	327	157	21	131	121	123	3	18	10	1
750 to 999 lb	257	84	19	212	55	58	1	39	7	1
1,000 to 9,999 lb	5 324	2 246	409	168	1 604	1 441	29	392	226	20
10,000 to 49,999 lb	5 930	7 759	2 066	270	1 736	3 392	107	527	1 109	95
50,000 to 99,999 lb	203	S	66	S	42	S	S	S	S	S
100,000 lb or more	1 559	4 839	3 040	517	S	1 380	S	S	S	S
SCTG 21, Pharmaceutical products	**51 639**	**1 625**	**700**	**718**	**13 128**	**S**	**14**	**5 427**	**127**	**11**
Less than 50 lb	18 612	129	83	726	4 112	39	1	1 495	14	1
50 to 99 lb	4 594	47	32	689	1 560	16	–	535	6	1
100 to 499 lb	8 969	143	69	455	2 028	47	1	1 040	21	2
500 to 749 lb	1 750	44	23	529	472	16	–	S	4	–
750 to 999 lb	S	35	19	523	S	10	–	S	S	S
1,000 to 9,999 lb	6 960	294	134	410	2 909	100	3	891	42	3
10,000 to 49,999 lb	6 894	867	289	380	1 786	S	S	1 236	35	3
50,000 to 99,999 lb	S	S	S	768	S	S	S	–	–	–
100,000 lb or more	S	S	S	757	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 Division: 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	**753**	**2 493**	**391**	**132**	**229**	**832**	**26**	**192**	**S**	**S**
Less than 50 lb	S	S	S	432	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	7	S	S	5	6	–	1	1	–
500 to 749 lb	20	16	2	S	S	S	S	1	1	–
750 to 999 lb	6	S	S	161	S	1	–	S	S	S
1,000 to 9,999 lb	275	553	43	S	117	S	9	S	S	S
10,000 to 49,999 lb	418	S	S	156	87	414	S	S	S	S
50,000 to 99,999 lb	S	108	S	147	S	S	S	S	S	S
100,000 lb or more	S	S	S	609	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**38 397**	**7 765**	**3 967**	**459**	**10 261**	**2 269**	**69**	**1 935**	**651**	**58**
Less than 50 lb	3 805	94	44	500	1 172	40	1	377	10	1
50 to 99 lb	1 495	67	29	420	591	35	–	60	4	–
100 to 499 lb	6 654	382	130	312	1 797	202	4	353	29	3
500 to 749 lb	2 141	164	58	354	S	73	1	54	12	1
750 to 999 lb	1 660	158	70	444	388	57	2	45	12	1
1,000 to 9,999 lb	14 321	1 689	878	523	3 160	554	17	632	161	15
10,000 to 49,999 lb	7 259	4 091	1 876	454	2 546	1 190	40	360	374	31
50,000 to 99,999 lb	189	147	96	567	S	S	S	S	S	S
100,000 lb or more	872	973	787	939	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**38 090**	**13 835**	**7 989**	**407**	**11 137**	**4 432**	**113**	**3 766**	**1 301**	**122**
Less than 50 lb	3 112	113	46	466	1 015	55	1	296	10	1
50 to 99 lb	1 159	95	34	354	455	53	1	148	11	1
100 to 499 lb	4 864	678	203	284	2 406	410	9	384	65	6
500 to 749 lb	1 489	288	100	342	559	155	4	120	23	2
750 to 999 lb	909	205	71	347	314	99	2	95	25	2
1,000 to 9,999 lb	13 373	4 129	1 598	364	3 936	1 586	47	1 708	513	48
10,000 to 49,999 lb	11 424	6 191	3 816	587	1 874	1 161	34	869	554	52
50,000 to 99,999 lb	266	182	141	720	S	S	S	S	S	S
100,000 lb or more	1 494	1 954	1 979	1 584	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**480**	**3 270**	**296**	**S**	**131**	**2 223**	**68**	**72**	**S**	**44**
Less than 50 lb	S	S	S	1 001	S	S	S	S	S	S
50 to 99 lb	S	S	S	10	S	S	S	S	S	S
100 to 499 lb	S	1	S	66	S	1	–	S	S	S
500 to 749 lb	1	S	–	25	S	S	S	S	S	S
750 to 999 lb	S	S	S	118	S	S	S	S	S	S
1,000 to 9,999 lb	S	84	S	96	20	S	S	S	S	S
10,000 to 49,999 lb	254	1 367	140	93	65	S	23	49	363	31
50,000 to 99,999 lb	42	1 395	69	50	25	S	S	S	S	S
100,000 lb or more	31	422	78	189	S	S	S	–	–	–
SCTG 26, Wood products	**8 357**	**13 654**	**2 685**	**296**	**3 778**	**7 137**	**231**	**1 296**	**2 264**	**217**
Less than 50 lb	378	24	S	436	92	8	–	67	4	–
50 to 99 lb	164	24	6	S	110	15	–	24	4	–
100 to 499 lb	1 001	147	28	174	560	84	2	155	26	2
500 to 749 lb	309	75	8	106	185	48	1	66	15	1
750 to 999 lb	214	56	11	185	109	34	1	25	7	1
1,000 to 9,999 lb	2 232	1 342	140	111	1 269	887	22	349	236	22
10,000 to 49,999 lb	3 285	7 717	1 307	149	1 129	3 759	110	513	1 304	127
50,000 to 99,999 lb	520	2 906	334	117	270	1 882	72	81	591	58
100,000 lb or more	254	1 365	S	509	S	418	21	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**13 836**	**14 607**	**5 909**	**102**	**4 105**	**4 815**	**110**	**1 432**	**1 297**	**123**
Less than 50 lb	240	39	3	S	137	S	S	S	1	–
50 to 99 lb	144	31	2	72	116	26	1	S	2	–
100 to 499 lb	623	241	16	69	474	199	4	58	23	2
500 to 749 lb	246	117	10	82	190	99	2	22	9	1
750 to 999 lb	232	122	11	93	166	102	2	11	6	1
1,000 to 9,999 lb	2 604	1 585	316	165	1 327	947	21	275	177	16
10,000 to 49,999 lb	8 909	10 580	4 487	407	1 472	2 478	60	1 031	1 025	97
50,000 to 99,999 lb	205	S	132	S	S	S	S	S	S	S
100,000 lb or more	632	1 146	932	751	121	369	9	S	S	S
SCTG 28, Paper or paperboard articles	**13 670**	**9 163**	**2 069**	**283**	**5 791**	**4 387**	**109**	**1 688**	**1 418**	**131**
Less than 50 lb	768	57	20	419	373	31	1	46	5	–
50 to 99 lb	280	43	7	156	190	32	1	24	3	–
100 to 499 lb	1 277	340	39	116	790	249	5	129	37	3
500 to 749 lb	496	186	21	115	314	134	3	71	29	3
750 to 999 lb	368	152	17	109	217	104	3	40	17	1
1,000 to 9,999 lb	3 901	2 269	356	143	1 768	1 294	32	634	412	41
10,000 to 49,999 lb	6 373	5 390	1 409	231	2 049	2 170	56	734	809	73
50,000 to 99,999 lb	29	216	34	S	14	152	3	S	S	S
100,000 lb or more	S	510	S	266	S	220	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 Division: 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	**80 779**	**14 477**	**4 718**	**348**	**21 507**	**7 774**	**156**	**9 138**	**1 357**	**133**
Less than 50 lb	11 810	1 080	258	351	4 180	841	17	591	26	3
50 to 99 lb	3 473	437	106	236	1 012	323	6	311	16	2
100 to 499 lb	17 798	1 473	S	328	3 921	817	14	S	S	S
500 to 749 lb	3 057	362	S	492	860	192	2	185	16	1
750 to 999 lb	S	502	S	814	S	172	3	137	16	2
1,000 to 9,999 lb	S	3 945	1 419	406	5 735	1 689	35	S	537	55
10,000 to 49,999 lb	7 539	4 237	1 530	338	3 335	1 789	40	1 089	497	48
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	96	169	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**52 746**	**3 700**	**2 097**	**694**	**13 167**	**1 205**	**25**	**3 574**	**265**	**24**
Less than 50 lb	11 749	305	262	699	2 068	50	1	835	21	2
50 to 99 lb	3 322	149	114	769	715	35	1	295	15	1
100 to 499 lb	9 804	538	320	629	2 512	186	4	767	58	6
500 to 749 lb	2 781	196	80	415	893	98	2	175	20	2
750 to 999 lb	2 242	121	59	490	739	55	1	100	12	1
1,000 to 9,999 lb	16 446	1 275	781	630	4 193	446	10	1 135	102	9
10,000 to 49,999 lb	6 090	1 033	436	402	1 969	315	6	256	33	3
50,000 to 99,999 lb	133	S	S	677	S	S	S	–	–	–
100,000 lb or more	180	36	S	311	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**16 939**	**93 522**	**8 490**	**794**	**6 219**	**70 095**	**1 410**	**1 882**	**9 998**	**926**
Less than 50 lb	896	40	S	1 326	208	13	–	S	2	–
50 to 99 lb	312	41	13	326	153	25	–	25	3	–
100 to 499 lb	1 307	256	66	270	447	157	3	125	27	2
500 to 749 lb	294	103	19	190	139	72	1	36	10	1
750 to 999 lb	323	113	29	262	119	65	1	21	S	S
1,000 to 9,999 lb	3 605	3 402	647	228	1 520	2 394	46	261	238	22
10,000 to 49,999 lb	8 456	47 439	5 000	104	2 795	34 759	767	833	3 945	367
50,000 to 99,999 lb	1 186	22 137	1 729	82	535	13 806	285	396	5 456	502
100,000 lb or more	561	S	947	S	S	S	S	41	305	30
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**43 156**	**30 868**	**12 197**	**303**	**8 145**	**8 754**	**179**	**3 853**	**3 193**	**291**
Less than 50 lb	1 021	44	15	355	363	23	–	78	5	–
50 to 99 lb	562	52	12	226	257	32	1	53	6	1
100 to 499 lb	2 571	363	80	233	1 176	227	5	242	39	4
500 to 749 lb	676	137	30	219	262	76	2	79	21	2
750 to 999 lb	604	137	36	257	188	71	1	74	24	2
1,000 to 9,999 lb	7 722	2 715	828	283	1 903	1 103	26	897	428	38
10,000 to 49,999 lb	24 967	20 176	7 701	399	3 032	5 712	82	2 082	1 989	185
50,000 to 99,999 lb	1 846	2 471	900	348	232	573	9	292	526	45
100,000 lb or more	3 187	4 774	2 595	597	732	938	54	56	156	15
SCTG 33, Articles of base metal	**27 116**	**12 871**	**4 788**	**425**	**8 091**	**3 270**	**90**	**3 534**	**2 057**	**191**
Less than 50 lb	4 470	132	72	463	1 798	65	1	484	11	1
50 to 99 lb	1 378	90	31	344	589	46	1	135	9	1
100 to 499 lb	3 724	445	136	292	1 628	218	5	508	70	6
500 to 749 lb	881	152	54	358	242	61	1	72	20	2
750 to 999 lb	867	150	44	289	436	74	2	72	19	2
1,000 to 9,999 lb	6 787	2 521	1 034	392	1 855	779	23	845	418	40
10,000 to 49,999 lb	7 787	7 254	2 303	300	1 358	1 628	50	1 325	1 226	116
50,000 to 99,999 lb	390	605	322	508	118	167	6	S	S	S
100,000 lb or more	832	1 520	792	446	S	S	S	S	S	S
SCTG 34, Machinery	**44 745**	**4 485**	**1 835**	**292**	**12 290**	**1 644**	**40**	**4 077**	**394**	**35**
Less than 50 lb	6 129	123	36	277	2 410	72	1	616	11	1
50 to 99 lb	2 198	78	23	287	770	47	1	263	7	1
100 to 499 lb	6 115	329	112	330	2 361	184	4	418	22	2
500 to 749 lb	2 600	159	75	480	479	59	1	141	13	1
750 to 999 lb	1 217	105	41	399	313	40	1	100	13	1
1,000 to 9,999 lb	11 025	982	456	435	2 541	298	7	822	96	9
10,000 to 49,999 lb	12 550	2 048	901	465	2 423	598	15	1 529	177	16
50,000 to 99,999 lb	1 637	446	94	202	847	264	7	91	16	1
100,000 lb or more	1 274	216	96	440	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**89 150**	**3 943**	**2 574**	**647**	**19 484**	**862**	**22**	**9 526**	**279**	**26**
Less than 50 lb	29 586	240	128	673	7 148	109	2	S	16	2
50 to 99 lb	5 941	124	55	434	1 903	61	1	357	9	1
100 to 499 lb	17 516	449	228	482	4 734	194	4	1 040	29	3
500 to 749 lb	3 677	140	70	492	823	50	1	109	12	1
750 to 999 lb	2 996	96	54	555	416	23	–	182	13	1
1,000 to 9,999 lb	16 840	1 078	668	608	3 446	256	8	1 661	104	9
10,000 to 49,999 lb	12 361	1 760	1 321	750	929	158	5	427	96	9
50,000 to 99,999 lb	S	40	S	1 119	–	–	–	–	–	–
100,000 lb or more	S	S	S	365	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 Division: 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)	**40 750**	**5 981**	**2 309**	**207**	**13 048**	**1 816**	**43**	**7 075**	**853**	**74**
Less than 50 lb	4 115	209	52	199	2 045	140	2	386	13	1
50 to 99 lb	1 495	124	23	193	786	80	2	254	12	1
100 to 499 lb	4 510	332	100	313	1 426	128	3	1 103	76	7
500 to 749 lb	1 165	112	23	204	537	62	2	181	17	2
750 to 999 lb	887	86	29	313	340	33	1	170	20	2
1,000 to 9,999 lb	13 597	1 891	410	193	6 197	905	20	3 242	395	36
10,000 to 49,999 lb	10 916	2 533	1 277	464	1 444	315	9	1 578	309	24
50,000 to 99,999 lb	1 785	323	188	544	228	108	3	S	S	S
100,000 lb or more	S	370	206	583	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**6 450**	**944**	**926**	**924**	**785**	**114**	**2**	**212**	**25**	**2**
Less than 50 lb	2 152	5	5	944	357	1	S	87	S	S
50 to 99 lb	525	4	3	822	S	S	S	S	S	S
100 to 499 lb	1 287	12	13	948	91	1	–	S	1	–
500 to 749 lb	S	5	4	830	S	S	S	S	–	–
750 to 999 lb	S	3	2	623	S	–	S	S	S	S
1,000 to 9,999 lb	503	80	65	831	13	4	S	31	3	–
10,000 to 49,999 lb	756	512	S	877	96	99	2	33	18	2
50,000 to 99,999 lb	346	120	125	1 029	S	S	S	S	S	S
100,000 lb or more	S	S	236	1 324	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**23 343**	**345**	**274**	**757**	**5 651**	**73**	**2**	**1 214**	**28**	**3**
Less than 50 lb	12 231	76	58	749	2 363	18	1	642	6	1
50 to 99 lb	2 782	24	20	780	742	4	–	87	1	–
100 to 499 lb	4 666	91	77	975	1 553	21	1	277	5	–
500 to 749 lb	703	21	13	643	241	4	–	S	S	S
750 to 999 lb	572	14	8	542	S	S	S	S	S	S
1,000 to 9,999 lb	1 945	84	81	856	496	20	1	58	S	S
10,000 to 49,999 lb	444	34	17	529	S	S	S	S	2	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**9 168**	**1 500**	**637**	**394**	**3 152**	**516**	**12**	**962**	**187**	**17**
Less than 50 lb	439	28	13	362	184	10	–	36	2	–
50 to 99 lb	286	27	12	469	139	15	–	16	2	–
100 to 499 lb	1 811	224	93	422	744	104	2	138	21	2
500 to 749 lb	683	100	52	511	249	40	1	61	11	1
750 to 999 lb	421	64	15	230	203	34	1	45	9	1
1,000 to 9,999 lb	3 474	634	269	411	1 128	208	5	506	99	9
10,000 to 49,999 lb	2 001	392	178	484	464	87	S	158	36	3
50,000 to 99,999 lb	S	18	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	46	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**64 137**	**S**	**3 929**	**799**	**16 763**	**S**	**99**	**5 960**	**1 439**	**128**
Less than 50 lb	27 255	416	315	817	6 884	73	2	1 509	22	2
50 to 99 lb	3 262	139	97	663	1 289	46	1	211	12	1
100 to 499 lb	7 825	522	304	581	2 407	166	4	608	48	5
500 to 749 lb	1 939	189	116	604	436	55	1	225	19	2
750 to 999 lb	1 351	144	84	586	206	42	1	130	14	1
1,000 to 9,999 lb	10 042	1 865	956	516	2 193	643	17	921	161	15
10,000 to 49,999 lb	11 679	5 641	1 895	311	S	2 087	44	S	S	S
50,000 to 99,999 lb	376	340	82	234	S	141	2	S	45	4
100,000 lb or more	S	S	81	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**4 277**	**20 029**	**4 863**	**127**	**1 796**	**10 661**	**306**	**470**	**2 177**	**203**
Less than 50 lb	S	S	S	193	S	S	S	S	S	S
50 to 99 lb	S	S	S	1 006	–	–	–	–	–	–
100 to 499 lb	3	S	–	303	–	S	S	S	S	S
500 to 749 lb	S	S	–	S	S	S	S	S	–	–
750 to 999 lb	5	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	177	262	11	S	120	234	3	S	S	S
10,000 to 49,999 lb	3 015	11 906	1 406	116	1 262	7 143	218	374	1 500	140
50,000 to 99,999 lb	226	1 244	219	149	118	836	20	24	111	10
100,000 lb or more	837	6 607	S	306	286	2 439	66	57	553	51
SCTG 43, Mixed freight	**25 357**	**12 017**	**1 641**	**175**	**12 942**	**6 962**	**198**	**4 970**	**2 486**	**224**
Less than 50 lb	722	63	14	233	286	22	–	84	9	1
50 to 99 lb	400	56	9	167	196	34	1	31	3	–
100 to 499 lb	1 768	466	50	124	1 037	325	7	284	60	5
500 to 749 lb	596	224	15	68	337	160	4	101	35	3
750 to 999 lb	692	214	17	81	354	152	3	77	38	3
1,000 to 9,999 lb	6 352	3 088	397	119	3 265	1 759	51	1 264	622	58
10,000 to 49,999 lb	14 618	7 746	1 090	130	7 417	4 431	132	3 130	1 719	153
50,000 to 99,999 lb	S	S	S	920	–	–	–	–	–	–
100,000 lb or more	S	S	S	91	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 Division: 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	**4 054**	**1 737**	**686**	**563**	**1 587**	**1 029**	**S**	**139**	**104**	**9**
Less than 50 lb	479	8	5	625	118	3	–	20	–	–
50 to 99 lb	184	5	2	499	67	2	–	S	–	–
100 to 499 lb	S	30	16	521	S	15	–	8	1	–
500 to 749 lb	65	14	2	S	27	10	–	4	S	S
750 to 999 lb	58	17	3	S	29	14	–	2	1	S
1,000 to 9,999 lb	974	307	S	275	279	163	2	52	22	2
10,000 to 49,999 lb	1 289	1 127	545	403	291	S	S	41	S	S
50,000 to 99,999 lb	S	24	S	118	S	S	S	S	S	S
100,000 lb or more	S	S	S	84	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 Division: 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	**146 636**	**107 605**	**25 969**	**103 329**	**48 914**	**23 135**	**78 862**	**24 375**	**19 578**	**45 914**	**11 179**	**12 237**
Less than 50 lb	20 140	341	73	16 760	238	108	13 391	231	172	8 300	184	185
50 to 99 lb	4 546	167	36	3 167	107	48	3 312	88	67	2 020	75	77
100 to 499 lb	18 316	942	196	10 319	559	248	7 416	387	294	7 684	352	356
500 to 749 lb	5 485	437	92	2 747	211	92	2 079	163	122	1 700	107	111
750 to 999 lb	3 651	338	67	4 196	303	133	2 385	201	145	S	80	80
1,000 to 9,999 lb	42 825	8 141	1 667	21 477	3 896	1 681	18 359	2 510	1 875	9 536	1 260	1 282
10,000 to 49,999 lb	44 207	47 163	9 544	38 880	27 889	11 888	28 745	14 106	10 614	11 531	5 990	6 075
50,000 to 99,999 lb	2 502	10 257	1 932	1 870	2 007	888	1 090	912	715	513	384	382
100,000 lb or more	4 963	39 819	12 362	3 913	13 705	8 048	2 084	5 778	5 575	893	2 749	3 688
SCTG 01, Live animals and live fish	**19**	**15**	**4**	**14**	**12**	**7**	**62**	**66**	**53**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	2	1	–	S	S	S	–	–	–	–	–	–
500 to 749 lb	1	1	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	–	S	S	S	–	–	–
10,000 to 49,999 lb	10	9	2	S	S	S	20	22	18	S	S	S
50,000 to 99,999 lb	2	2	1	S	S	S	S	19	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 02, Cereal grains	**35**	**125**	**30**	**S**	**63**	**33**	**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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	25	62	12	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	3	26	5	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 03, Other agricultural products	**676**	**1 041**	**199**	**371**	**583**	**246**	**120**	**100**	**74**	**110**	**126**	**122**
Less than 50 lb	S	1	–	S	–	–	S	S	S	S	S	S
50 to 99 lb	4	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	26	8	2	S	S	S	5	1	1	2	1	1
500 to 749 lb	S	5	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	9	4	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	252	155	29	158	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	244	434	85	128	271	113	69	68	51	74	90	88
50,000 to 99,999 lb	104	435	81	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**614**	**1 224**	**241**	**566**	**504**	**213**	**93**	**96**	**74**	**45**	**56**	**60**
Less than 50 lb	S	S	S	24	1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	16	7	S	2	1	S	S	S
10,000 to 49,999 lb	418	928	186	406	479	202	65	78	60	34	47	49
50,000 to 99,999 lb	20	89	18	S	S	S	S	S	S	–	–	–
100,000 lb or more	4	45	10	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**2 450**	**1 047**	**196**	**1 384**	**437**	**189**	**583**	**208**	**165**	**S**	**137**	**143**
Less than 50 lb	2	–	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	36	11	2	7	2	1	S	S	S	S	S	S
500 to 749 lb	25	8	1	12	3	1	S	S	S	S	S	S
750 to 999 lb	12	5	1	7	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	831	315	62	490	133	54	150	34	26	116	28	29
10,000 to 49,999 lb	1 435	662	120	867	297	132	420	171	137	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**2 339**	**1 973**	**395**	**1 645**	**1 382**	**587**	**1 066**	**639**	**493**	**463**	**277**	**286**
Less than 50 lb	S	S	S	8	1	–	3	S	S	1	S	S
50 to 99 lb	2	1	–	1	S	S	S	S	S	S	S	S
100 to 499 lb	41	16	3	8	S	S	S	S	S	S	S	S
500 to 749 lb	43	23	5	S	S	S	S	S	S	1	–	–
750 to 999 lb	31	S	S	2	1	–	S	S	S	S	S	S
1,000 to 9,999 lb	499	312	59	167	87	37	83	33	24	37	15	16
10,000 to 49,999 lb	1 484	1 197	245	1 396	1 088	455	958	593	459	412	251	260
50,000 to 99,999 lb	78	307	57	9	30	12	S	S	S	S	S	S
100,000 lb or more	S	92	20	48	171	80	–	–	–	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**11 043**	**8 729**	**1 744**	**4 567**	**3 353**	**1 398**	**3 345**	**2 105**	**1 611**	**2 145**	**1 354**	**1 372**
Less than 50 lb	17	1	–	7	1	–	S	1	–	S	S	S
50 to 99 lb	S	2	–	13	1	–	S	S	S	S	1	1
100 to 499 lb	353	51	10	87	13	6	107	9	7	40	5	5
500 to 749 lb	78	25	5	S	13	6	S	8	6	S	S	S
750 to 999 lb	110	39	7	34	6	2	31	6	5	45	9	9
1,000 to 9,999 lb	2 847	1 223	227	1 163	308	128	533	144	109	182	55	56
10,000 to 49,999 lb	7 440	7 031	1 417	3 128	2 969	1 235	2 534	1 896	1 451	1 746	1 264	1 279
50,000 to 99,999 lb	131	300	61	S	30	S	20	24	18	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**1 177**	**1 680**	**389**	**990**	**1 369**	**593**	**942**	**1 098**	**840**	**501**	**577**	**575**
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	–	–	–	–
100 to 499 lb	12	3	1	S	S	S	S	S	S	–	–	–
500 to 749 lb	2	1	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	8	10	3	S	S	S	S	4	3	S	S	S
10,000 to 49,999 lb	1 065	1 541	350	865	1 235	506	936	1 094	837	483	569	567
50,000 to 99,999 lb	64	101	29	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 09, Tobacco products	**356**	**17**	**3**	**117**	**S**	**S**	**67**	**4**	**S**	**57**	**2**	**2**
Less than 50 lb	37	–	–	S	–	–	7	–	–	S	–	–
50 to 99 lb	5	–	–	2	S	S	S	S	S	S	S	S
100 to 499 lb	S	2	–	31	1	1	22	1	1	17	1	1
500 to 749 lb	22	2	–	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	195	7	1	S	1	–	S	S	S	S	S	S
10,000 to 49,999 lb	7	5	1	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**4**	**20**	**14**	**S**	**S**	**S**
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
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	1	–	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	4	16	11	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**1 794**	**360**	**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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	6	2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	5	319	55	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	200	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**38**	**3 617**	**636**	**11**	**S**	**313**	**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	–	–	–	–	–	–	–	–	–
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	26	2 780	477	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	10	724	124	S	47	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**181**	**3 083**	**642**	**S**	**S**	**S**	**51**	**210**	**157**	**22**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	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	S	S	S	–	–	–
1,000 to 9,999 lb	S	62	11	S	S	S	S	6	4	S	S	S
10,000 to 49,999 lb	100	1 261	277	S	S	S	38	156	113	S	S	S
50,000 to 99,999 lb	22	1 386	258	S	S	S	–	–	–	–	–	–
100,000 lb or more	4	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 Division: 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	**206**	**282**	**80**	**290**	**371**	**171**	**28**	**29**	**21**	**38**	**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	S	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	13	4	2	5	2	1	S	1	1
10,000 to 49,999 lb	106	248	73	S	86	36	17	21	15	17	28	28
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	70	204	100	–	–	–	S	S	S
SCTG 15, Coal	**741**	**27 584**	**9 441**	**224**	**8 307**	**5 219**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	81	1 554	321	29	558	222	10	114	S	S	S	S
50,000 to 99,999 lb	S	648	145	S	S	S	S	S	S	–	–	–
100,000 lb or more	636	25 380	8 975	190	7 664	4 969	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**807**	**3 807**	**774**	**9**	**38**	**14**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	81	14	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	105	476	81	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	190	921	171	7	29	11	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**740**	**S**	**878**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	1	1	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	44	52	9	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	70	405	83	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**923**	**5 107**	**991**	**615**	**1 485**	**646**	**106**	**172**	**145**	**63**	**58**	**S**
Less than 50 lb	1	S	S	1	–	–	–	S	S	S	S	S
50 to 99 lb	S	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	2	–	10	2	1	5	1	1	3	1	1
500 to 749 lb	S	1	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	1	–	S	1	S	3	1	1	S	S	S
1,000 to 9,999 lb	28	29	6	46	17	8	15	9	7	S	S	S
10,000 to 49,999 lb	325	1 522	285	S	740	293	51	65	52	7	9	9
50,000 to 99,999 lb	59	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	498	3 159	626	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**3 386**	**2 114**	**434**	**2 248**	**1 891**	**894**	**1 898**	**1 128**	**910**	**710**	**248**	**253**
Less than 50 lb	159	S	S	S	S	S	104	1	1	67	1	1
50 to 99 lb	26	1	–	14	1	–	S	1	1	S	S	S
100 to 499 lb	S	17	3	S	15	7	62	5	4	39	3	3
500 to 749 lb	71	8	2	43	7	3	37	S	S	13	2	2
750 to 999 lb	16	4	1	S	5	2	57	4	3	S	S	S
1,000 to 9,999 lb	S	255	54	478	110	45	459	91	70	161	S	S
10,000 to 49,999 lb	925	1 342	256	977	927	382	891	447	337	291	156	161
50,000 to 99,999 lb	S	S	3	S	S	4	29	14	11	S	S	S
100,000 lb or more	97	465	114	256	811	448	211	561	480	S	S	S
SCTG 21, Pharmaceutical products	**9 229**	**163**	**35**	**4 818**	**199**	**88**	**4 593**	**129**	**99**	**5 500**	**115**	**121**
Less than 50 lb	3 289	19	4	2 837	13	6	1 845	10	8	1 070	9	10
50 to 99 lb	994	5	1	128	2	1	217	S	S	144	3	3
100 to 499 lb	1 669	18	4	946	16	7	328	S	S	397	6	6
500 to 749 lb	S	8	1	S	2	1	S	1	1	S	S	S
750 to 999 lb	278	6	1	40	3	1	27	1	1	S	S	S
1,000 to 9,999 lb	1 683	49	11	392	39	17	582	23	17	96	9	9
10,000 to 49,999 lb	501	55	12	326	101	43	1 530	65	51	763	68	71
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	S	S	S

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**32**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	4	S	1	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	44	61	12	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	16	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**5 389**	**1 329**	**279**	**5 187**	**1 297**	**584**	**5 388**	**797**	**608**	**3 097**	**409**	**413**
Less than 50 lb	320	11	2	532	9	4	503	7	5	193	5	6
50 to 99 lb	102	6	1	124	6	3	S	4	3	44	2	2
100 to 499 lb	667	41	10	S	43	18	S	22	16	S	12	13
500 to 749 lb	275	33	7	S	17	8	69	10	7	20	4	4
750 to 999 lb	S	15	3	S	35	15	S	19	14	40	3	3
1,000 to 9,999 lb	S	244	54	1 205	201	87	S	169	126	1 575	113	114
10,000 to 49,999 lb	809	653	130	1 268	849	390	985	455	344	390	228	226
50,000 to 99,999 lb	S	S	S	33	22	10	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	113	50	S	S	92	S	S	S
SCTG 24, Plastics and rubber	**5 728**	**2 055**	**463**	**5 154**	**1 767**	**773**	**4 499**	**1 528**	**1 136**	**1 948**	**637**	**645**
Less than 50 lb	440	11	2	461	11	5	268	8	6	140	4	4
50 to 99 lb	168	9	2	132	6	3	57	4	3	33	3	3
100 to 499 lb	449	50	11	492	41	18	314	32	24	200	22	23
500 to 749 lb	174	30	6	181	20	9	178	24	19	84	10	10
750 to 999 lb	113	21	4	105	20	9	113	14	10	76	10	10
1,000 to 9,999 lb	2 097	660	143	1 707	427	188	1 566	466	342	544	146	146
10,000 to 49,999 lb	2 200	1 149	257	1 960	1 121	479	1 899	891	660	791	381	379
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	41	S	S
100,000 lb or more	S	S	S	S	110	59	66	66	52	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**338**	**68**	**54**	**181**	**81**	**S**	**16**	**S**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	119	26	S	S	S	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	11	S	19	12	S	45	S	S	S	–	–	–
SCTG 26, Wood products	**1 605**	**2 375**	**478**	**655**	**732**	**332**	**389**	**S**	**S**	**139**	**142**	**140**
Less than 50 lb	31	2	–	6	1	–	S	S	S	2	–	–
50 to 99 lb	13	2	–	S	S	S	1	–	–	1	–	–
100 to 499 lb	S	18	3	36	6	3	13	3	2	21	4	4
500 to 749 lb	31	6	1	S	3	1	6	S	S	2	–	–
750 to 999 lb	18	4	1	S	S	S	S	S	S	3	S	S
1,000 to 9,999 lb	315	123	24	153	54	25	40	13	9	44	15	15
10,000 to 49,999 lb	890	1 776	359	379	519	230	142	153	113	66	78	79
50,000 to 99,999 lb	96	268	52	S	S	31	S	S	S	S	S	S
100,000 lb or more	22	S	S	S	S	S	S	S	S	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**2 771**	**2 749**	**588**	**2 214**	**2 353**	**1 033**	**1 317**	**1 537**	**1 182**	**788**	**843**	**910**
Less than 50 lb	8	1	–	4	–	–	2	–	–	S	S	–
50 to 99 lb	7	1	–	2	S	S	S	S	S	2	–	–
100 to 499 lb	30	9	2	25	4	2	10	2	2	S	1	1
500 to 749 lb	11	4	1	8	2	1	3	1	1	S	S	S
750 to 999 lb	17	5	1	13	3	1	S	3	2	S	S	S
1,000 to 9,999 lb	402	184	38	247	115	50	146	67	49	83	32	32
10,000 to 49,999 lb	2 249	2 455	521	1 776	2 051	887	1 065	1 320	1 001	467	475	489
50,000 to 99,999 lb	26	57	14	31	55	25	S	S	S	S	S	S
100,000 lb or more	21	33	11	110	122	67	61	97	88	211	325	377
SCTG 28, Paper or paperboard articles	**2 326**	**1 499**	**305**	**1 663**	**691**	**294**	**1 133**	**708**	**530**	**470**	**216**	**217**
Less than 50 lb	98	6	1	66	5	2	61	3	3	33	2	2
50 to 99 lb	22	3	1	S	2	1	7	1	1	3	–	–
100 to 499 lb	92	22	4	111	15	7	86	7	5	16	3	3
500 to 749 lb	27	9	2	S	4	2	S	S	S	S	1	1
750 to 999 lb	49	16	3	S	S	S	7	3	2	7	2	2
1,000 to 9,999 lb	611	305	61	477	118	51	166	54	40	117	45	45
10,000 to 49,999 lb	1 420	1 112	228	916	538	229	692	421	307	280	159	160
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**S**	**2 188**	**497**	**7 103**	**912**	**406**	**5 186**	**824**	**642**	**3 982**	**339**	**343**
Less than 50 lb	1 964	59	13	964	29	13	738	23	18	840	21	21
50 to 99 lb	418	19	S	422	18	8	532	17	12	S	S	S
100 to 499 lb	S	216	45	S	S	S	S	42	30	S	S	S
500 to 749 lb	S	S	S	S	11	4	S	S	S	S	S	S
750 to 999 lb	97	22	4	S	S	S	S	S	S	25	5	5
1,000 to 9,999 lb	S	S	S	S	268	121	S	190	153	514	72	75
10,000 to 49,999 lb	978	783	158	759	423	186	370	337	S	389	99	100
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**7 209**	**506**	**108**	**6 337**	**486**	**225**	**6 287**	**395**	**295**	**4 263**	**203**	**201**
Less than 50 lb	1 486	39	8	1 350	39	18	1 588	41	31	994	26	27
50 to 99 lb	344	18	4	223	10	4	318	10	8	S	S	S
100 to 499 lb	1 086	49	11	876	46	21	862	38	29	S	S	S
500 to 749 lb	548	24	5	260	10	5	331	13	10	169	9	9
750 to 999 lb	309	11	2	S	12	6	144	8	5	88	6	6
1,000 to 9,999 lb	2 481	154	31	1 663	119	53	2 275	124	91	864	40	40
10,000 to 49,999 lb	938	207	46	1 530	250	119	586	113	83	196	32	32
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**2 931**	**8 078**	**1 570**	**2 317**	**2 906**	**1 243**	**1 466**	**1 055**	**780**	**559**	**316**	**326**
Less than 50 lb	S	3	1	S	S	S	47	2	2	25	2	2
50 to 99 lb	22	2	–	30	2	1	21	S	S	17	S	S
100 to 499 lb	162	22	4	214	15	6	109	14	11	89	5	5
500 to 749 lb	30	7	1	28	5	2	15	3	2	8	S	S
750 to 999 lb	14	3	1	S	6	2	S	S	S	S	1	1
1,000 to 9,999 lb	479	305	70	313	132	56	352	89	70	225	71	72
10,000 to 49,999 lb	1 889	4 879	990	1 455	2 395	1 028	793	725	530	166	204	211
50,000 to 99,999 lb	166	2 426	414	29	204	83	7	65	47	S	S	S
100,000 lb or more	74	430	89	63	141	61	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**8 086**	**6 134**	**1 437**	**10 961**	**6 409**	**2 995**	**5 871**	**3 265**	**2 519**	**2 264**	**1 282**	**1 294**
Less than 50 lb	177	5	1	141	4	2	83	1	1	59	1	1
50 to 99 lb	83	6	2	45	3	2	30	2	1	36	1	1
100 to 499 lb	344	33	6	243	22	10	246	13	10	126	12	13
500 to 749 lb	94	14	3	105	13	6	66	5	4	22	4	4
750 to 999 lb	79	16	3	73	10	4	S	4	3	40	5	5
1,000 to 9,999 lb	1 464	434	93	1 396	341	150	875	168	120	436	79	82
10,000 to 49,999 lb	4 560	3 667	787	7 673	4 560	2 038	3 997	2 367	1 744	1 256	736	733
50,000 to 99,999 lb	525	607	129	S	366	152	168	149	S	S	S	S
100,000 lb or more	762	1 353	412	S	1 090	632	S	S	S	252	338	356
SCTG 33, Articles of base metal	**4 835**	**3 320**	**767**	**4 052**	**2 165**	**939**	**1 919**	**727**	**546**	**1 320**	**381**	**410**
Less than 50 lb	694	15	3	378	9	4	263	6	5	181	4	4
50 to 99 lb	173	13	3	130	7	3	95	5	4	56	3	4
100 to 499 lb	426	47	10	368	38	17	256	23	17	183	15	15
500 to 749 lb	236	27	6	123	13	5	96	11	8	31	6	6
750 to 999 lb	115	23	5	106	11	5	33	6	4	37	4	5
1,000 to 9,999 lb	1 122	499	104	1 043	356	151	442	154	112	495	65	68
10,000 to 49,999 lb	1 759	2 053	417	1 672	1 403	597	665	399	292	278	215	220
50,000 to 99,999 lb	54	67	14	S	S	S	28	51	40	S	S	S
100,000 lb or more	S	S	S	159	S	106	S	S	S	57	S	S
SCTG 34, Machinery	**7 272**	**729**	**153**	**7 167**	**709**	**275**	**4 033**	**371**	**276**	**2 710**	**162**	**167**
Less than 50 lb	683	12	3	664	9	4	532	7	5	253	3	3
50 to 99 lb	265	8	2	213	4	2	197	3	3	160	4	4
100 to 499 lb	826	35	8	727	25	11	483	18	14	382	14	16
500 to 749 lb	739	36	8	189	14	6	182	9	7	131	5	5
750 to 999 lb	313	21	5	130	10	4	99	8	6	36	2	2
1,000 to 9,999 lb	1 734	189	42	2 185	143	57	1 057	84	63	872	57	60
10,000 to 49,999 lb	1 969	335	73	2 751	427	159	1 303	214	156	S	70	68
50,000 to 99,999 lb	S	73	9	174	47	18	71	S	S	S	S	S
100,000 lb or more	S	21	4	S	29	13	S	11	8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**14 147**	**590**	**126**	**9 621**	**658**	**280**	**11 673**	**684**	**531**	**5 152**	**223**	**232**
Less than 50 lb	4 201	29	6	2 744	21	10	2 124	17	13	1 396	9	9
50 to 99 lb	892	13	3	715	12	5	502	8	6	346	4	4
100 to 499 lb	2 497	51	11	1 558	44	19	1 461	36	28	1 378	29	32
500 to 749 lb	621	22	5	505	16	7	355	14	11	263	7	8
750 to 999 lb	S	21	5	242	13	6	211	7	6	182	6	6
1,000 to 9,999 lb	2 797	184	39	2 290	138	61	1 905	136	103	1 293	76	79
10,000 to 49,999 lb	1 892	264	56	1 542	394	164	5 074	462	362	295	92	94
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	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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)	**5 307**	**784**	**170**	**7 138**	**1 266**	**586**	**3 700**	**606**	**444**	**1 448**	**234**	**253**
Less than 50 lb	557	22	5	206	7	3	230	7	6	164	5	5
50 to 99 lb	210	16	3	88	5	2	76	6	5	22	1	2
100 to 499 lb	726	52	11	489	32	13	145	9	8	262	18	19
500 to 749 lb	219	16	3	96	8	3	S	3	2	34	S	S
750 to 999 lb	117	12	2	S	S	S	20	2	1	S	S	S
1,000 to 9,999 lb	1 518	226	43	1 096	141	60	691	118	88	271	41	43
10,000 to 49,999 lb	1 832	415	97	3 052	786	340	1 318	290	208	614	157	172
50,000 to 99,999 lb	S	S	S	S	83	S	S	53	39	S	S	9
100,000 lb or more	S	S	S	S	193	108	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**1 055**	**126**	**29**	**929**	**S**	**S**	**560**	**S**	**S**	**575**	**39**	**41**
Less than 50 lb	319	1	–	302	1	–	75	–	–	183	–	–
50 to 99 lb	58	S	S	28	–	–	S	S	S	S	–	–
100 to 499 lb	S	1	–	S	2	1	S	S	S	69	1	1
500 to 749 lb	S	1	–	S	S	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	19	4	100	17	7	41	5	4	78	S	S
10,000 to 49,999 lb	114	59	14	117	63	29	S	S	S	47	11	12
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 38, Precision instruments and apparatus	**2 630**	**44**	**10**	**3 675**	**62**	**28**	**3 019**	**37**	**27**	**1 384**	**18**	**19**
Less than 50 lb	1 551	10	2	1 911	10	5	1 570	10	7	844	6	6
50 to 99 lb	233	4	1	422	5	2	511	3	2	125	2	2
100 to 499 lb	432	12	3	559	11	5	506	11	8	247	6	6
500 to 749 lb	S	S	1	123	3	1	39	2	1	S	S	S
750 to 999 lb	32	S	S	108	2	S	S	1	1	S	S	S
1,000 to 9,999 lb	228	7	2	390	15	7	329	10	7	S	S	S
10,000 to 49,999 lb	107	S	S	S	S	S	8	1	1	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**1 905**	**317**	**60**	**1 088**	**152**	**68**	**473**	**84**	**65**	**515**	**92**	**95**
Less than 50 lb	84	S	S	31	2	1	36	2	2	19	1	1
50 to 99 lb	46	3	1	20	1	1	20	2	1	6	1	1
100 to 499 lb	343	31	6	136	18	8	101	14	10	67	9	9
500 to 749 lb	80	12	2	38	5	2	71	9	6	44	7	7
750 to 999 lb	61	9	2	52	6	3	9	1	1	21	2	2
1,000 to 9,999 lb	648	121	24	387	62	27	173	39	31	247	44	44
10,000 to 49,999 lb	640	130	22	424	58	26	65	18	14	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**9 613**	**1 533**	**314**	**7 702**	**923**	**419**	**7 224**	**820**	**615**	**3 763**	**421**	**424**
Less than 50 lb	3 550	51	10	3 624	45	21	3 079	73	52	1 768	S	S
50 to 99 lb	326	16	3	327	13	6	348	13	10	139	9	9
100 to 499 lb	934	67	14	1 004	66	30	813	48	36	463	34	35
500 to 749 lb	287	24	5	239	26	11	154	17	12	124	13	13
750 to 999 lb	201	24	5	227	18	9	179	17	12	70	6	7
1,000 to 9,999 lb	1 579	290	63	1 074	219	98	1 427	179	133	879	134	133
10,000 to 49,999 lb	2 453	966	193	1 159	503	231	1 170	432	328	319	143	147
50,000 to 99,999 lb	83	76	16	41	28	12	S	S	S	–	–	–
100,000 lb or more	S	19	4	S	S	S	–	–	–	–	–	–
SCTG 41, Waste and scrap	**811**	**2 769**	**578**	**682**	**2 219**	**972**	**293**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	2	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	11	5	2	16	2	2	S	S	S
10,000 to 49,999 lb	704	2 054	412	490	953	396	131	182	130	38	42	42
50,000 to 99,999 lb	32	161	28	18	56	25	S	S	S	–	–	–
100,000 lb or more	68	548	137	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**3 793**	**1 575**	**288**	**990**	**444**	**184**	**692**	**221**	**168**	**S**	**72**	**75**
Less than 50 lb	232	21	4	82	7	3	S	S	S	S	S	S
50 to 99 lb	68	12	2	19	3	1	S	–	S	S	S	S
100 to 499 lb	196	43	8	64	S	10	99	8	6	S	S	S
500 to 749 lb	S	S	S	25	4	1	S	S	S	S	S	S
750 to 999 lb	65	17	3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	1 182	520	92	182	82	34	S	24	18	S	19	20
10,000 to 49,999 lb	1 851	888	166	607	322	132	307	186	143	S	48	50
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 Division: 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	**679**	**145**	**32**	**412**	**125**	**54**	**390**	**98**	**74**	**272**	**76**	**78**
Less than 50 lb	86	1	–	101	S	S	12	–	–	S	S	S
50 to 99 lb	11	1	–	S	–	–	S	S	S	S	S	S
100 to 499 lb	32	4	1	13	1	1	S	1	1	S	1	1
500 to 749 lb	S	S	S	5	1	–	S	S	S	S	S	S
750 to 999 lb	S	1	–	S	S	S	S	–	–	S	S	S
1,000 to 9,999 lb	286	44	11	114	24	11	S	S	S	76	S	S
10,000 to 49,999 lb	237	91	19	148	92	39	241	66	50	130	65	67
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 Division: 1997**—Con.

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**52 433**	**14 718**	**20 942**	**15 857**	**2 138**	**4 225**	**51 694**	**7 350**	**20 444**
Less than 50 lb	12 619	176	242	4 634	50	97	14 399	206	575
50 to 99 lb	2 883	95	133	949	29	58	2 948	74	206
100 to 499 lb	9 228	331	461	2 198	81	158	8 728	316	888
500 to 749 lb	1 925	132	187	S	31	61	1 797	123	338
750 to 999 lb	1 066	81	111	459	31	61	S	S	S
1,000 to 9,999 lb	10 067	1 397	1 921	3 368	338	648	10 831	1 396	3 701
10,000 to 49,999 lb	11 317	5 555	7 807	2 704	1 218	2 411	8 997	3 762	10 426
50,000 to 99,999 lb	805	558	826	77	78	165	443	503	1 331
100,000 lb or more	2 523	6 392	9 255	S	282	566	779	794	2 504
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–
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	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 03, Other agricultural products	**71**	**41**	**56**	**7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	3	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	–	1
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	14	7	9	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**62**	**62**	**85**	**S**	**S**	**S**	**S**	**72**	**213**
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
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	31	49	69	S	S	S	S	40	114
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**662**	**277**	**400**	**190**	**89**	**165**	**330**	**105**	**289**
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	2	–	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	5	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	100	32	46	19	8	14	60	14	39
10,000 to 49,999 lb	511	232	338	S	S	S	247	86	238
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**526**	**349**	**504**	**S**	**52**	**102**	**534**	**409**	**1 150**
Less than 50 lb	S	S	S	S	S	S	3	–	1
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
750 to 999 lb	S	S	S	S	S	S	1	–	1
1,000 to 9,999 lb	38	17	23	7	3	5	39	18	S
10,000 to 49,999 lb	474	314	452	S	49	97	438	286	795
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**1 941**	**1 083**	**1 451**	**351**	**138**	**278**	**1 281**	**601**	**1 679**
Less than 50 lb	S	S	S	S	S	S	12	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	1
100 to 499 lb	35	S	S	4	1	1	69	5	13
500 to 749 lb	16	4	5	S	1	1	23	4	11
750 to 999 lb	S	S	S	S	1	3	38	6	15
1,000 to 9,999 lb	317	110	145	45	12	24	S	59	163
10,000 to 49,999 lb	1 442	928	1 248	286	120	243	802	482	1 343
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
SCTG 08, Alcoholic beverages	**283**	**354**	**510**	**S**	**10**	**20**	**113**	**89**	**260**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	6	5	7	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	360	S	9	17	77	83	241
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 09, Tobacco products	**73**	**3**	**4**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	–	S	–	–	S	–	–
50 to 99 lb	S	–	–	–	–	–	S	S	S
100 to 499 lb	S	1	2	S	S	S	S	S	S
500 to 749 lb	18	1	1	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**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	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**23**	**64**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	21	59
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
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 Division: 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	**17**	**14**	**19**	**2**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	12	8	11	2	S	S	37	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**S**	**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	–	–	–	–	–	–	–	–	–
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 17, Gasoline and aviation turbine fuel	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**177**	**S**	**S**	**S**	**S**	**S**	**39**	**17**	**45**
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	–	1	S	S	S	S	1	3
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	16	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	3	6	14
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**1 259**	**S**	**2 173**	**183**	**S**	**S**	**728**	**159**	**443**
Less than 50 lb	125	S	S	15	S	S	178	1	3
50 to 99 lb	S	1	1	S	S	S	62	S	2
100 to 499 lb	S	S	S	17	1	2	76	3	10
500 to 749 lb	9	1	1	S	–	1	12	2	4
750 to 999 lb	5	1	1	S	S	S	8	2	6
1,000 to 9,999 lb	149	38	55	57	9	17	190	24	67
10,000 to 49,999 lb	345	207	302	73	S	S	163	75	202
50,000 to 99,999 lb	40	10	16	S	S	S	S	S	S
100,000 lb or more	386	S	S	–	–	–	38	45	132
SCTG 21, Pharmaceutical products	**3 350**	**79**	**107**	**1 866**	**8**	**15**	**3 728**	**76**	**208**
Less than 50 lb	1 390	10	14	S	3	6	1 594	12	33
50 to 99 lb	469	S	S	S	–	1	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	6	17
500 to 749 lb	48	2	3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	2	5
1,000 to 9,999 lb	136	10	13	S	S	S	249	S	S
10,000 to 49,999 lb	105	S	S	S	S	S	643	26	68
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 Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**2 422**	**510**	**718**	**S**	**64**	**125**	**3 535**	**438**	**1 114**
Less than 50 lb	288	6	8	91	2	4	329	5	14
50 to 99 lb	125	4	6	S	S	S	S	4	10
100 to 499 lb	S	14	19	97	7	13	S	14	34
500 to 749 lb	69	6	8	S	S	S	S	4	10
750 to 999 lb	S	7	10	65	6	12	67	3	9
1,000 to 9,999 lb	464	70	90	83	18	34	S	159	342
10,000 to 49,999 lb	385	155	214	48	25	47	469	162	453
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	212	230	333	–	–	–	S	S	S
SCTG 24, Plastics and rubber	**2 745**	**1 026**	**1 621**	**579**	**162**	**316**	**2 533**	**928**	**2 802**
Less than 50 lb	249	6	9	57	2	4	186	5	13
50 to 99 lb	76	5	6	24	1	2	66	5	13
100 to 499 lb	285	31	43	49	5	10	287	22	60
500 to 749 lb	83	13	18	20	S	S	90	8	23
750 to 999 lb	43	6	8	8	3	5	42	7	20
1,000 to 9,999 lb	818	147	204	169	31	60	828	154	421
10,000 to 49,999 lb	848	419	600	185	79	151	800	435	1 203
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 25, Logs and other wood in the rough	**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	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**267**	**398**	**500**	**S**	**S**	**S**	**156**	**130**	**357**
Less than 50 lb	S	–	–	S	–	–	1	–	–
50 to 99 lb	4	1	1	S	S	S	S	S	S
100 to 499 lb	10	S	S	4	S	S	14	2	5
500 to 749 lb	2	1	1	S	S	S	2	S	S
750 to 999 lb	S	S	S	S	S	S	2	–	1
1,000 to 9,999 lb	29	9	12	S	S	S	23	3	7
10,000 to 49,999 lb	51	41	60	S	S	S	87	67	186
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
SCTG 27, Pulp, newsprint, paper, and paperboard	**642**	**565**	**777**	**182**	**90**	**173**	**384**	**357**	**1 013**
Less than 50 lb	S	S	S	1	S	S	S	S	S
50 to 99 lb	1	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	2	1	–	–	7	1	2
500 to 749 lb	S	S	S	S	S	S	3	–	1
750 to 999 lb	2	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	83	44	59	11	5	10	29	15	41
10,000 to 49,999 lb	435	470	649	158	76	143	258	229	639
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	71	105	307
SCTG 28, Paper or paperboard articles	**290**	**116**	**162**	**95**	**S**	**S**	**212**	**88**	**244**
Less than 50 lb	45	3	4	9	1	1	35	2	5
50 to 99 lb	9	1	1	S	–	1	3	1	1
100 to 499 lb	S	5	6	3	1	1	7	2	4
500 to 749 lb	6	1	2	1	–	–	S	2	5
750 to 999 lb	4	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44	16	23	20	5	10	66	19	54
10,000 to 49,999 lb	135	86	121	S	S	S	87	63	174
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 Division: 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	**2 417**	**256**	**346**	**S**	**S**	**S**	**S**	**734**	**2 026**
Less than 50 lb	895	29	40	267	9	17	1 373	42	116
50 to 99 lb	S	S	S	S	S	S	192	S	S
100 to 499 lb	S	S	S	28	2	5	S	S	S
500 to 749 lb	S	14	20	S	2	3	S	S	S
750 to 999 lb	40	7	10	S	S	S	S	S	S
1,000 to 9,999 lb	352	66	87	S	S	S	S	S	S
10,000 to 49,999 lb	235	87	114	22	7	13	361	214	612
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**6 089**	**375**	**527**	**1 158**	**52**	**102**	**4 663**	**213**	**589**
Less than 50 lb	1 704	46	62	491	11	20	1 233	32	92
50 to 99 lb	S	S	S	S	S	S	297	10	28
100 to 499 lb	948	40	54	188	9	17	948	38	107
500 to 749 lb	188	11	15	23	1	2	192	11	30
750 to 999 lb	124	7	9	S	S	S	298	10	27
1,000 to 9,999 lb	2 028	179	258	294	22	43	1 513	90	246
10,000 to 49,999 lb	421	59	82	S	S	S	178	21	56
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**620**	**368**	**531**	**281**	**264**	**533**	**663**	**442**	**1 171**
Less than 50 lb	48	2	3	S	S	S	115	S	S
50 to 99 lb	19	2	2	S	–	1	20	1	3
100 to 499 lb	67	7	10	22	S	S	71	5	15
500 to 749 lb	7	1	2	9	1	1	S	3	7
750 to 999 lb	4	1	1	S	1	2	10	1	3
1,000 to 9,999 lb	243	105	141	39	13	26	173	53	144
10,000 to 49,999 lb	215	206	300	99	84	164	211	239	643
50,000 to 99,999 lb	S	S	S	S	S	S	37	S	S
100,000 lb or more	S	35	60	24	S	S	5	5	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 902**	**1 182**	**1 820**	**311**	**122**	**243**	**1 762**	**526**	**1 419**
Less than 50 lb	46	1	1	17	S	S	57	S	S
50 to 99 lb	21	1	2	8	–	1	28	1	2
100 to 499 lb	73	7	9	16	1	3	S	8	21
500 to 749 lb	18	2	3	S	–	1	S	2	5
750 to 999 lb	16	2	3	11	1	2	40	4	11
1,000 to 9,999 lb	269	85	118	57	13	24	427	65	178
10,000 to 49,999 lb	1 211	736	1 084	178	82	159	979	328	890
50,000 to 99,999 lb	S	S	S	S	S	S	S	95	238
100,000 lb or more	207	305	516	S	S	S	S	S	S
SCTG 33, Articles of base metal	**1 412**	**491**	**704**	**472**	**S**	**S**	**1 481**	**339**	**914**
Less than 50 lb	214	5	7	S	1	2	372	S	S
50 to 99 lb	62	3	4	S	S	S	115	4	11
100 to 499 lb	184	17	24	44	3	6	127	13	35
500 to 749 lb	48	8	11	14	3	6	19	3	8
750 to 999 lb	39	7	10	S	S	S	15	2	6
1,000 to 9,999 lb	371	95	133	96	24	47	517	130	356
10,000 to 49,999 lb	389	205	284	52	14	29	289	112	299
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 34, Machinery	**3 667**	**269**	**381**	**1 133**	**84**	**158**	**2 395**	**124**	**350**
Less than 50 lb	431	4	6	78	1	2	460	4	11
50 to 99 lb	126	2	3	34	1	1	169	2	6
100 to 499 lb	416	15	21	163	6	12	337	9	25
500 to 749 lb	S	S	S	66	2	4	134	5	14
750 to 999 lb	108	5	7	86	5	11	32	2	4
1,000 to 9,999 lb	827	61	85	373	16	31	613	36	103
10,000 to 49,999 lb	997	132	187	307	46	85	505	50	142
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 35, Electronic and other electrical equipment and components and office equipment	**8 700**	**262**	**366**	**1 920**	**92**	**186**	**8 926**	**292**	**805**
Less than 50 lb	1 955	14	19	722	5	9	3 547	21	57
50 to 99 lb	399	8	11	184	2	4	644	7	20
100 to 499 lb	2 543	34	49	200	5	9	2 105	27	73
500 to 749 lb	284	9	12	S	S	S	S	8	21
750 to 999 lb	153	5	7	S	S	S	S	6	17
1,000 to 9,999 lb	2 192	85	117	209	17	31	1 046	83	222
10,000 to 49,999 lb	1 172	106	150	329	59	123	700	128	358
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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)	**1 537**	**281**	**396**	**384**	**58**	**114**	**1 113**	**82**	**228**
Less than 50 lb	261	6	8	56	2	3	210	S	S
50 to 99 lb	25	2	2	6	S	S	28	2	4
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	26	3	7
750 to 999 lb	12	1	2	–	–	–	S	S	S
1,000 to 9,999 lb	309	38	51	64	10	20	210	18	50
10,000 to 49,999 lb	589	191	267	202	42	83	287	28	77
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**1 318**	**172**	**271**	**S**	**S**	**S**	**879**	**S**	**S**
Less than 50 lb	441	1	S	26	–	–	363	S	S
50 to 99 lb	45	S	S	S	S	S	49	–	1
100 to 499 lb	S	S	S	S	–	–	296	2	6
500 to 749 lb	17	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	41	2	3	S	S	S	68	S	7
10,000 to 49,999 lb	63	22	30	S	S	S	65	S	S
50,000 to 99,999 lb	139	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**2 209**	**25**	**36**	**873**	**12**	**23**	**2 688**	**46**	**126**
Less than 50 lb	1 399	7	10	427	2	5	1 525	8	22
50 to 99 lb	264	2	3	S	1	2	252	3	7
100 to 499 lb	346	9	12	223	S	S	525	11	32
500 to 749 lb	47	S	S	S	S	S	S	S	S
750 to 999 lb	S	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	84	2	3	S	S	S	236	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**448**	**60**	**83**	**161**	**22**	**40**	**463**	**71**	**197**
Less than 50 lb	S	1	1	2	–	–	S	2	6
50 to 99 lb	S	1	1	9	1	2	17	2	6
100 to 499 lb	123	13	17	28	4	7	132	12	33
500 to 749 lb	72	10	14	S	S	S	38	6	17
750 to 999 lb	S	1	2	6	1	1	9	1	2
1,000 to 9,999 lb	173	27	38	48	S	S	165	28	77
10,000 to 49,999 lb	S	S	S	S	S	S	69	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**5 810**	**489**	**682**	**2 111**	**119**	**235**	**5 191**	**368**	**1 012**
Less than 50 lb	2 914	27	37	1 219	8	16	2 708	35	96
50 to 99 lb	257	10	14	92	S	S	272	14	39
100 to 499 lb	812	43	58	282	19	38	501	30	84
500 to 749 lb	247	15	21	54	6	11	174	14	39
750 to 999 lb	S	9	13	21	2	4	189	12	32
1,000 to 9,999 lb	812	95	132	305	32	65	851	112	299
10,000 to 49,999 lb	632	285	399	137	46	88	461	136	375
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 41, Waste and scrap	**S**	**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
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	12	S	S	–	–	–	4	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 43, Mixed freight	**368**	**138**	**193**	**34**	**S**	**S**	**S**	**105**	**282**
Less than 50 lb	13	S	S	S	S	S	8	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	61	6	8	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	100	33	44	S	S	S	80	25	69
10,000 to 49,999 lb	97	68	97	S	S	S	S	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 Division: 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	**201**	**27**	**37**	**S**	**S**	**S**	**266**	**S**	**S**
Less than 50 lb	71	–	1	S	S	S	40	1	2
50 to 99 lb	S	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	1	3
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	39	S	S
10,000 to 49,999 lb	35	16	22	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

– 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 Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**	**5.9**
Single modes	**5.0**	**.7**	**5.9**	**.8**	**5.6**	**1.3**	**7.6**
Truck	5.0	1.0	6.9	2.4	3.1	2.9	9.1
For-hire truck	8.1	1.5	10.8	2.8	3.6	2.1	4.6
Private truck	3.8	1.2	7.7	2.3	4.2	.9	10.7
Rail	12.5	.2	14.2	1.0	16.7	2.3	19.9
Water	34.1	.1	34.1	.7	45.7	1.1	S
Shallow draft	43.3	.1	38.6	.7	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	43.1	–	S	S	S	S	49.1
Air (includes truck and air)	21.3	.4	16.4	–	19.3	.1	4.6
Pipeline	38.6	.4	37.9	1.5	S	S	S
Multiple modes	**5.1**	**.7**	**23.4**	**.3**	**21.3**	**1.3**	**3.6**
Parcel, U.S. Postal Service or courier	5.2	.7	6.2	–	9.3	.2	3.6
Truck and rail	11.4	–	S	S	10.6	.2	8.9
Truck and water	35.9	–	S	S	S	S	30.0
Rail and water	34.3	–	34.8	.1	34.1	.2	18.3
Other multiple modes	49.6	–	S	S	S	S	43.5
Other and unknown modes	**7.8**	**.3**	**18.7**	**.6**	**15.1**	**.5**	**28.5**

– 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–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the Division: 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	**4.3**	**3.6**	**6.4**	**5.7**	**3.8**	**8.8**	**5.2**	**5.5**	**7.8**	**5.9**	**4.5**	**8.7**
Single modes	**5.0**	**3.8**	**6.7**	**5.9**	**3.9**	**9.2**	**5.6**	**5.5**	**8.2**	**7.6**	**4.4**	**7.5**
Truck	5.0	3.9	6.8	6.9	2.7	10.2	3.1	3.1	5.2	9.1	3.8	9.0
For-hire truck	8.1	5.6	10.2	10.8	3.5	17.4	3.6	4.1	6.4	4.6	3.2	5.6
Private truck	3.8	3.7	5.8	7.7	4.7	11.0	4.2	5.5	7.4	10.7	4.1	10.8
Rail	12.5	11.7	20.0	14.2	24.9	21.5	16.7	21.1	21.6	19.9	11.9	21.8
Water	34.1	32.9	21.5	34.1	29.8	28.3	45.7	34.4	20.0	S	26.4	S
Shallow draft	43.3	33.6	34.7	38.6	28.2	39.5	S	28.8	S	S	42.9	S
Great Lakes	S	–	S	S	–	S	S	–	S	21.8	–	S
Deep draft	43.1	S	S	S	S	S	S	S	S	49.1	18.9	18.2
Air (includes truck and air)	21.3	17.3	38.8	16.4	20.3	40.6	19.3	23.0	42.9	4.6	3.6	6.0
Pipeline	38.6	33.0	153.8	37.9	36.8	147.1	S	S	S	S	S	S
Multiple modes	**5.1**	**7.4**	**13.7**	**23.4**	**32.1**	**31.3**	**21.3**	**30.9**	**33.0**	**3.6**	**4.2**	**6.8**
Parcel, U.S. Postal Service or courier	5.2	7.7	14.3	6.2	5.6	11.9	9.3	5.3	17.8	3.6	4.2	6.8
Truck and rail	11.4	48.6	53.8	S	35.3	S	10.6	46.7	87.7	8.9	10.2	15.3
Truck and water	35.9	41.7	32.9	S	34.6	S	S	37.9	S	30.0	27.4	47.1
Rail and water	34.3	38.6	7.2	34.8	40.6	10.0	34.1	46.6	8.2	18.3	19.8	17.5
Other multiple modes	49.6	S	S	S	S	S	S	S	S	43.5	25.3	5.7
Other and unknown modes	**7.8**	**7.8**	**13.9**	**18.7**	**19.8**	**41.2**	**15.1**	**45.8**	**50.3**	**28.5**	**8.1**	**12.5**

– 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–1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: 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	**.7**	**.8**	**.8**	**.8**	**1.3**	**2.1**
Truck	1.0	.8	2.4	2.4	2.9	4.0
For-hire truck	1.5	1.5	2.8	1.6	2.1	3.3
Private truck	1.2	1.1	2.3	1.8	.9	1.1
Rail	.2	.2	1.0	2.0	2.3	3.6
Water	.1	.3	.7	1.5	1.1	2.5
Shallow draft	.1	.1	.7	1.0	S	1.0
Great Lakes	S	–	S	–	S	–
Deep draft	–	S	S	S	S	S
Air (includes truck and air)	.4	.4	–	–	.1	–
Pipeline	.4	.1	1.5	.5	S	S
Multiple modes	**.7**	**.8**	**.3**	**.7**	**1.3**	**1.8**
Parcel, U.S. Postal Service or courier	.7	.8	–	–	.2	–
Truck and rail	–	.1	S	–	.2	.5
Truck and water	–	–	S	–	S	.2
Rail and water	–	–	.1	.6	.2	1.7
Other multiple modes	–	S	S	S	S	S
Other and unknown modes	**.3**	**.2**	**.6**	**.6**	**.5**	**1.5**

– 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 Division: 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	**5.2**	**–**	**5.9**
Truck	3.1	2.9	9.1
Rail	15.9	2.4	16.1
Shallow draft	39.6	1.4	S
Great Lakes	41.4	–	21.3
Deep draft	47.2	.6	20.0
Air	19.6	.1	4.8
Parcel, U.S. Postal Service or courier	9.3	.2	3.6
Pipeline	S	S	S
Other and unknown modes	15.1	.5	28.4

– 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–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**
Less than 50 miles	2.3	.9	8.2	2.0	9.8	.9
50 to 99 miles	6.8	.5	6.0	.7	6.2	.4
100 to 249 miles	11.3	.8	6.7	1.0	8.6	1.2
250 to 499 miles	5.2	.4	5.7	.4	7.9	.9
500 to 749 miles	7.2	.3	8.8	.2	11.1	1.1
750 to 999 miles	7.1	.3	15.1	.1	17.4	1.0
1,000 to 1,499 miles	4.5	.3	21.5	.3	21.3	1.7
1,500 to 1,999 miles	14.5	.2	12.4	–	12.2	.4
2,000 miles or more	7.0	.4	6.0	–	6.6	.9
Single modes	**5.0**	**–**	**5.9**	**–**	**5.6**	**–**
Less than 50 miles	2.5	1.0	8.6	2.1	10.3	1.0
50 to 99 miles	8.0	.7	6.2	.7	6.3	.5
100 to 249 miles	14.0	1.0	6.6	1.0	8.4	1.1
250 to 499 miles	6.3	.5	5.9	.4	8.3	1.0
500 to 749 miles	9.0	.4	8.9	.2	11.3	.9
750 to 999 miles	8.3	.4	16.7	.2	18.9	.9
1,000 to 1,499 miles	5.1	.3	24.4	.3	24.2	1.9
1,500 to 1,999 miles	17.7	.2	14.2	–	14.0	.4
2,000 miles or more	8.5	.4	7.0	–	7.8	1.0
Truck	**5.0**	**–**	**6.9**	**–**	**3.1**	**–**
Less than 50 miles	2.8	1.0	8.8	1.6	10.2	1.2
50 to 99 miles	7.2	.6	6.7	.7	6.4	.5
100 to 249 miles	12.3	.9	4.3	.6	4.3	.5
250 to 499 miles	6.9	.5	4.9	.3	4.8	.7
500 to 749 miles	9.2	.4	5.6	.1	6.0	.6
750 to 999 miles	8.4	.4	6.6	–	6.5	.4
1,000 to 1,499 miles	4.6	.2	5.0	–	5.0	.5
1,500 to 1,999 miles	18.7	.2	12.1	–	12.2	.3
2,000 miles or more	10.0	.4	7.2	–	7.4	.9
For-hire truck	**8.1**	**–**	**10.8**	**–**	**3.6**	**–**
Less than 50 miles	6.1	.8	16.6	3.5	17.9	1.3
50 to 99 miles	10.2	.5	8.5	1.1	8.2	.5
100 to 249 miles	16.7	1.2	5.5	1.3	5.3	.6
250 to 499 miles	7.8	.7	5.4	.7	5.3	.8
500 to 749 miles	10.3	.5	5.6	.4	6.0	.6
750 to 999 miles	8.8	.6	7.6	.2	7.5	.5
1,000 to 1,499 miles	5.1	.3	5.2	.2	5.2	.6
1,500 to 1,999 miles	19.8	.3	12.1	–	12.2	.4
2,000 miles or more	11.4	.6	8.3	.2	8.5	1.3
Private truck	**3.8**	**–**	**7.7**	**–**	**4.2**	**–**
Less than 50 miles	3.3	1.1	8.6	1.1	5.5	1.2
50 to 99 miles	10.8	.8	10.1	.7	10.1	1.0
100 to 249 miles	5.4	.4	5.2	.5	5.1	.9
250 to 499 miles	6.0	.3	7.2	.1	7.1	.6
500 to 749 miles	14.7	.3	13.4	–	13.7	.9
750 to 999 miles	26.4	.4	12.7	–	12.6	.5
1,000 to 1,499 miles	9.2	.1	12.2	–	13.6	.9
1,500 to 1,999 miles	20.3	–	22.3	–	21.6	.3
2,000 miles or more	17.8	.2	21.0	–	21.9	1.0
Rail	**12.5**	**–**	**14.2**	**–**	**16.7**	**–**
Less than 50 miles	32.6	4.5	24.1	3.6	25.9	.5
50 to 99 miles	30.5	.8	41.3	1.6	45.8	.8
100 to 249 miles	15.5	2.8	17.1	4.5	18.4	4.2
250 to 499 miles	29.0	3.4	16.2	1.9	15.6	1.8
500 to 749 miles	32.6	2.7	31.8	1.6	37.2	2.7
750 to 999 miles	15.9	1.1	S	S	S	S
1,000 to 1,499 miles	19.6	1.6	24.7	.7	26.9	2.2
1,500 to 1,999 miles	S	S	35.5	.3	34.2	1.6
2,000 miles or more	15.8	.9	13.1	.3	13.2	1.8
Water	**34.1**	**–**	**34.1**	**–**	**45.7**	**–**
Less than 50 miles	46.6	8.7	41.0	8.5	44.6	10.9
50 to 99 miles	39.1	7.8	30.0	8.5	26.5	10.0
100 to 249 miles	38.2	.9	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	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
Shallow draft	**43.3**	**–**	**38.6**	**–**	**S**	**S**
Less than 50 miles	S	S	44.6	7.3	47.0	12.6
50 to 99 miles	48.2	5.6	35.2	6.8	32.9	7.9
100 to 249 miles	42.7	1.0	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
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 Division: 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	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**43.1**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	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
Air (includes truck and air)	**21.3**	**–**	**16.4**	**–**	**19.3**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	37.9	1.3	35.0	.2
100 to 249 miles	S	S	28.2	3.2	36.6	1.7
250 to 499 miles	11.8	1.3	27.3	3.5	28.2	2.0
500 to 749 miles	27.5	1.5	20.4	2.2	20.9	1.8
750 to 999 miles	26.3	1.3	32.1	1.2	34.1	1.1
1,000 to 1,499 miles	27.8	3.4	28.1	3.0	29.9	3.9
1,500 to 1,999 miles	11.9	.4	20.6	.6	20.7	.9
2,000 miles or more	10.7	3.5	36.4	4.2	32.2	5.6
Pipeline	**38.6**	**–**	**37.9**	**–**	**S**	**S**
Less than 50 miles	32.4	6.3	32.1	6.7	S	S
50 to 99 miles	–	–	–	–	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	–	–	–	–	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**5.1**	**–**	**23.4**	**–**	**21.3**	**–**
Less than 50 miles	8.5	1.1	S	S	36.3	.8
50 to 99 miles	4.8	.4	24.9	2.1	26.7	.4
100 to 249 miles	7.0	.7	35.5	5.1	37.3	4.0
250 to 499 miles	6.4	.7	22.5	2.1	26.8	2.0
500 to 749 miles	6.7	.6	S	S	S	S
750 to 999 miles	9.0	.5	46.0	1.5	S	S
1,000 to 1,499 miles	8.9	.7	17.6	2.1	21.1	3.3
1,500 to 1,999 miles	14.8	.5	26.5	.7	30.4	1.8
2,000 miles or more	8.6	.5	8.2	1.5	8.5	3.3
Parcel, U.S. Postal Service or courier	**5.2**	**–**	**6.2**	**–**	**9.3**	**–**
Less than 50 miles	8.5	1.1	10.4	2.0	11.3	.2
50 to 99 miles	4.8	.4	9.9	.5	10.4	–
100 to 249 miles	7.0	.7	7.8	.7	7.6	.3
250 to 499 miles	6.5	.7	5.2	.5	4.9	.5
500 to 749 miles	6.6	.6	10.0	.7	9.5	.7
750 to 999 miles	8.9	.5	20.4	1.1	19.4	1.3
1,000 to 1,499 miles	9.2	.7	12.8	.8	12.9	1.2
1,500 to 1,999 miles	15.3	.5	12.0	.2	12.6	.7
2,000 miles or more	8.6	.5	11.5	.6	11.9	1.5
Truck and rail	**11.4**	**–**	**S**	**S**	**10.6**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	35.5	3.7	S	S	S	S
250 to 499 miles	S	S	42.4	2.3	40.6	.8
500 to 749 miles	16.7	3.0	19.9	5.0	20.4	3.0
750 to 999 miles	23.9	1.3	32.3	1.7	31.3	1.5
1,000 to 1,499 miles	25.3	2.2	36.2	4.1	38.8	3.5
1,500 to 1,999 miles	37.8	1.8	S	S	S	S
2,000 miles or more	15.6	5.0	10.4	8.3	10.3	5.0
Truck and water	**35.9**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	S	S	S	S	S	S
750 to 999 miles	39.1	7.1	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	48.4	9.0	39.0	8.6	38.0	10.8

See footnotes at end of table.

Table B–3. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the Division: 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	**34.3**	**–**	**34.8**	**–**	**34.1**	**–**
Less than 50 miles	48.6	4.6	47.6	4.2	48.0	2.3
50 to 99 miles	S	S	S	S	46.2	5.3
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	38.8	5.9	40.2	5.7	40.8	6.0
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	–	–	–	–	–	–
Other multiple modes	**49.6**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	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	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**7.8**	**–**	**18.7**	**–**	**15.1**	**–**
Less than 50 miles	11.6	2.6	24.8	6.0	24.0	1.9
50 to 99 miles	9.7	.7	29.4	1.7	27.1	.4
100 to 249 miles	11.0	1.3	27.6	2.4	24.1	2.4
250 to 499 miles	9.2	.7	22.9	1.4	19.8	2.4
500 to 749 miles	14.1	.7	27.9	1.1	27.7	1.5
750 to 999 miles	21.0	.5	21.8	.3	20.9	1.7
1,000 to 1,499 miles	16.7	1.0	26.4	.9	24.9	3.0
1,500 to 1,999 miles	31.9	.3	33.5	.2	33.6	1.2
2,000 miles or more	13.1	.7	32.3	1.3	32.4	5.1

– 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–4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**	**5.9**
Less than 50 lb	6.5	.9	8.8	–	10.5	.1	5.8
50 to 99 lb	5.6	.2	6.9	–	11.9	–	6.1
100 to 499 lb	7.8	.7	6.7	–	11.7	.2	7.7
500 to 749 lb	5.7	.2	6.6	–	13.3	–	9.2
750 to 999 lb	12.9	.3	5.9	–	25.8	.2	17.7
1,000 to 9,999 lb	9.6	1.0	3.0	.3	4.4	.6	6.8
10,000 to 49,999 lb	4.3	1.1	7.9	2.6	3.7	1.9	5.4
50,000 to 99,999 lb	6.3	.2	9.5	1.2	6.9	.7	7.7
100,000 lb or more	12.3	.5	13.8	2.9	15.4	2.8	23.0
Single modes	**5.0**	**–**	**5.9**	**–**	**5.6**	**–**	**7.6**
Less than 50 lb	12.4	.6	14.1	–	14.1	–	9.1
50 to 99 lb	6.6	.2	6.8	–	11.0	–	7.3
100 to 499 lb	9.2	.8	7.6	–	12.2	.2	8.1
500 to 749 lb	6.3	.2	6.8	–	14.1	–	10.2
750 to 999 lb	13.9	.4	6.2	–	27.1	.2	18.4
1,000 to 9,999 lb	10.1	1.1	3.2	.4	4.7	.7	6.9
10,000 to 49,999 lb	4.5	1.3	8.1	2.6	4.0	2.1	5.4
50,000 to 99,999 lb	6.4	.2	9.7	1.3	7.5	.8	6.1
100,000 lb or more	13.3	.7	14.8	3.0	17.6	3.2	25.2
Truck	**5.0**	**–**	**6.9**	**–**	**3.1**	**–**	**9.1**
Less than 50 lb	6.1	.3	14.2	–	16.6	–	12.5
50 to 99 lb	6.4	.1	6.9	–	12.2	–	7.5
100 to 499 lb	7.2	.7	7.6	.1	12.7	.3	8.3
500 to 749 lb	6.5	.2	6.9	–	14.7	.1	9.2
750 to 999 lb	14.2	.4	6.2	–	27.7	.3	18.7
1,000 to 9,999 lb	10.3	1.3	3.3	.5	4.9	.5	7.1
10,000 to 49,999 lb	4.5	1.4	8.1	2.5	4.1	1.3	5.5
50,000 to 99,999 lb	6.6	.2	9.7	1.4	7.6	.7	4.8
100,000 lb or more	11.2	.1	24.1	2.7	15.1	.8	S
For-hire truck	**8.1**	**–**	**10.8**	**–**	**3.6**	**–**	**4.6**
Less than 50 lb	12.4	.4	22.0	–	23.1	–	9.3
50 to 99 lb	9.0	.1	12.9	–	17.6	–	7.7
100 to 499 lb	12.2	.9	12.9	.1	16.7	.4	3.7
500 to 749 lb	9.1	.3	9.4	–	18.5	.1	5.3
750 to 999 lb	19.4	.7	15.3	–	33.8	.5	8.9
1,000 to 9,999 lb	16.1	1.5	5.7	.5	6.2	.7	5.3
10,000 to 49,999 lb	5.1	1.9	12.3	3.3	4.9	1.6	7.3
50,000 to 99,999 lb	12.5	.3	14.3	1.8	8.3	.7	9.0
100,000 lb or more	20.3	.2	42.9	3.1	22.6	1.2	S
Private truck	**3.8**	**–**	**7.7**	**–**	**4.2**	**–**	**10.7**
Less than 50 lb	7.4	.6	15.8	–	17.7	–	19.7
50 to 99 lb	7.3	.2	6.8	–	15.0	–	11.3
100 to 499 lb	6.7	.9	9.7	.2	11.8	.3	9.9
500 to 749 lb	6.3	.3	7.9	–	9.4	–	10.0
750 to 999 lb	10.3	.4	6.5	–	7.4	–	7.4
1,000 to 9,999 lb	3.5	.9	4.2	.8	5.7	.5	4.3
10,000 to 49,999 lb	9.4	1.6	7.9	2.8	5.1	1.9	5.4
50,000 to 99,999 lb	9.8	.4	9.1	1.1	8.9	.9	5.3
100,000 lb or more	14.9	.3	32.1	3.6	22.3	1.4	S
Rail	**12.5**	**–**	**14.2**	**–**	**16.7**	**–**	**19.9**
Less than 50 lb	S	S	S	S	48.6	–	S
50 to 99 lb	S	S	S	S	S	S	21.2
100 to 499 lb	32.1	–	40.1	–	S	S	24.6
500 to 749 lb	47.4	–	S	S	S	S	21.8
750 to 999 lb	47.4	–	44.4	–	S	S	23.2
1,000 to 9,999 lb	S	S	S	S	44.0	.2	S
10,000 to 49,999 lb	13.3	2.3	15.2	.7	15.7	2.0	4.8
50,000 to 99,999 lb	28.6	2.6	14.1	.9	18.7	2.2	10.2
100,000 lb or more	14.2	4.2	14.7	1.6	18.3	4.2	8.8
Water	**34.1**	**–**	**34.1**	**–**	**45.7**	**–**	**S**
Less than 50 lb	S	S	S	S	S	S	21.8
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	25.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	19.5
10,000 to 49,999 lb	S	S	34.3	7.4	41.6	7.7	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	43.6	10.4	34.5	11.3	45.9	11.7	28.8
Shallow draft	**43.3**	**–**	**38.6**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	46.7
500 to 749 lb	S	S	S	S	S	S	25.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	22.3
10,000 to 49,999 lb	S	S	S	S	45.6	7.4	19.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	39.0	11.3	S	S	19.4

See footnote at end of table.

Table B–4. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**21.8**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	**43.1**	**–**	**S**	**S**	**S**	**S**	**49.1**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	21.8
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	42.9	4.0	45.4	5.4	S	S	30.2
10,000 to 49,999 lb	47.2	8.8	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.5
100,000 lb or more	S	S	S	S	S	S	S
Air (includes truck and air)	**21.3**	**–**	**16.4**	**–**	**19.3**	**–**	**4.6**
Less than 50 lb	38.5	4.1	12.6	1.1	15.1	1.1	5.0
50 to 99 lb	17.3	1.3	23.7	.9	26.3	.9	3.7
100 to 499 lb	40.4	4.6	22.6	2.6	17.9	2.6	6.6
500 to 749 lb	30.5	1.3	43.0	1.4	49.1	1.9	8.7
750 to 999 lb	22.3	.5	17.8	.7	21.8	1.0	9.5
1,000 to 9,999 lb	25.6	2.8	18.3	4.1	21.6	4.3	8.5
10,000 to 49,999 lb	S	S	26.5	3.4	31.9	3.1	14.8
50,000 to 99,999 lb	S	S	S	S	S	S	20.5
100,000 lb or more	43.4	–	47.7	1.9	S	S	20.8
Pipeline	**38.6**	**–**	**37.9**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
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
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	S	S	S
100,000 lb or more	38.6	.5	37.9	–	S	S	S
Multiple modes	**5.1**	**–**	**23.4**	**–**	**21.3**	**–**	**3.6**
Less than 50 lb	5.6	1.1	8.2	2.4	11.1	1.8	3.7
50 to 99 lb	6.5	.6	8.9	1.2	13.4	1.1	5.2
100 to 499 lb	7.4	.8	7.4	2.4	13.6	1.6	7.0
500 to 749 lb	16.0	.3	11.4	.4	17.9	.4	11.9
750 to 999 lb	17.5	.1	15.2	.1	23.5	–	17.6
1,000 to 9,999 lb	30.2	.1	27.6	.3	27.7	.5	33.2
10,000 to 49,999 lb	11.7	.2	11.5	2.7	10.4	4.0	9.0
50,000 to 99,999 lb	40.3	–	45.7	2.1	42.9	.9	S
100,000 lb or more	31.6	.1	39.5	8.7	S	S	22.3
Parcel, U.S. Postal Service or courier	**5.2**	**–**	**6.2**	**–**	**9.3**	**–**	**3.6**
Less than 50 lb	5.6	1.2	8.2	1.8	11.1	2.6	3.7
50 to 99 lb	6.5	.6	8.9	.8	13.4	1.2	5.2
100 to 499 lb	7.4	.8	7.4	1.2	13.7	1.9	7.0
500 to 749 lb	16.0	.3	11.4	.5	18.0	.8	12.1
750 to 999 lb	17.4	.1	15.2	.4	21.9	.3	16.0
1,000 to 9,999 lb	43.9	–	32.0	–	47.8	–	26.0
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**11.4**	**–**	**S**	**S**	**10.6**	**–**	**8.9**
Less than 50 lb	S	S	S	S	S	S	21.9
50 to 99 lb	S	S	S	S	S	S	21.8
100 to 499 lb	S	S	S	S	S	S	27.8
500 to 749 lb	S	S	S	S	48.6	–	21.8
750 to 999 lb	S	S	S	S	S	S	19.2
1,000 to 9,999 lb	34.9	3.2	31.6	1.3	24.0	.6	14.4
10,000 to 49,999 lb	11.1	4.0	8.7	14.2	7.9	4.2	6.1
50,000 to 99,999 lb	45.8	2.2	S	S	S	S	S
100,000 lb or more	45.2	2.9	S	S	S	S	30.7
Truck and water	**35.9**	**–**	**S**	**S**	**S**	**S**	**30.0**
Less than 50 lb	S	S	S	S	S	S	22.6
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	20.3
500 to 749 lb	S	S	S	S	S	S	21.3
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	35.8
10,000 to 49,999 lb	42.2	9.6	38.1	10.4	41.9	9.8	19.0
50,000 to 99,999 lb	S	S	S	S	S	S	21.9
100,000 lb or more	S	S	S	S	S	S	21.4

See footnote at end of table.

Table B–4. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 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	**34.3**	**–**	**34.8**	**–**	**34.1**	**–**	**18.3**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	34.3	–	34.8	–	34.1	–	18.3
Other multiple modes	**49.6**	**–**	**S**	**S**	**S**	**S**	**43.5**
Less than 50 lb	S	S	S	S	S	S	33.1
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	27.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.9
100,000 lb or more	S	S	S	S	S	S	21.4
Other and unknown modes	**7.8**	**–**	**18.7**	**–**	**15.1**	**–**	**28.5**
Less than 50 lb	15.9	2.2	10.1	.1	26.2	–	37.3
50 to 99 lb	13.4	.5	23.0	.2	22.1	–	S
100 to 499 lb	11.7	1.1	15.2	.4	15.6	.2	18.9
500 to 749 lb	19.1	.3	13.5	.1	14.3	–	20.3
750 to 999 lb	27.2	.4	18.4	.1	20.2	–	S
1,000 to 9,999 lb	10.7	2.1	8.3	2.5	9.8	2.5	15.0
10,000 to 49,999 lb	16.9	2.1	25.2	5.3	19.9	3.8	20.8
50,000 to 99,999 lb	23.9	1.0	30.4	3.9	29.4	3.5	S
100,000 lb or more	22.2	1.0	37.3	8.4	40.5	5.3	30.4

– 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–5. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**	**5.9**
01	Live animals and live fish	25.3	–	29.6	–	33.4	–	S
02	Cereal grains	32.0	–	21.1	–	37.3	–	S
03	Other agricultural products	27.6	.3	32.7	.3	25.0	.2	S
04	Animal feed and products of animal origin, n.e.c.	17.3	–	21.9	.3	14.2	.1	32.7
05	Meat, fish, seafood, and their preparations	12.0	.2	11.5	–	24.2	.3	34.6
06	Milled grain products and preparations, and bakery products	8.1	.1	8.0	.1	12.3	.3	S
07	Other prepared foodstuffs and fats and oils	5.1	.4	7.7	.4	10.5	.6	17.5
08	Alcoholic beverages	10.6	.1	12.2	.1	26.1	.6	12.7
09	Tobacco products	16.1	.1	20.3	–	21.5	–	17.8
10	Monumental or building stone	46.6	–	32.0	.1	S	S	39.6
11	Natural sands	32.3	–	27.0	.9	28.9	.4	21.9
12	Gravel and crushed stone	11.6	–	11.6	1.7	18.8	.8	7.1
13	Nonmetallic minerals n.e.c.	23.8	–	23.3	.6	25.6	.4	16.5
14	Metallic ores and concentrates	25.4	–	26.9	–	S	S	13.9
15	Coal	15.2	–	12.0	1.3	21.2	2.3	27.0
17	Gasoline and aviation turbine fuel	13.1	.3	14.1	.8	S	S	10.8
18	Fuel oils	14.4	.2	16.0	.9	24.9	.3	15.7
19	Coal and petroleum products, n.e.c.	14.9	.2	19.0	1.3	16.7	.4	S
20	Basic chemicals	16.6	.2	19.5	.3	22.7	.9	15.9
21	Pharmaceutical products	9.9	.5	26.1	–	9.6	–	8.1
22	Fertilizers	32.4	–	45.9	.1	48.1	.1	21.6
23	Chemical products and preparations, n.e.c.	22.2	.9	7.0	–	10.0	.3	10.6
24	Plastics and rubber	4.8	.3	9.4	–	15.2	.9	8.0
25	Logs and other wood in the rough	39.9	–	27.5	.1	19.1	–	S
26	Wood products	7.6	–	8.6	.1	20.7	.4	13.9
27	Pulp, newsprint, paper, and paperboard	7.9	.1	13.8	.3	11.2	.5	26.8
28	Paper or paperboard articles	9.5	.2	8.0	–	16.1	.2	13.6
29	Printed products	38.8	2.2	12.7	.2	24.6	.8	13.5
30	Textiles, leather, and articles of textiles or leather	9.9	.6	11.3	–	13.0	.2	6.7
31	Nonmetallic mineral products	6.5	.2	23.2	1.6	8.5	.8	18.3
32	Base metal in primary or semifinished forms and in finished basic shapes	16.9	.8	13.0	.5	11.4	1.0	10.8
33	Articles of base metal	5.6	.2	12.2	.2	10.9	.4	14.0
34	Machinery	5.6	.3	8.1	–	9.5	.1	12.5
35	Electronic and other electrical equipment and components and office equipment	8.2	.7	5.2	–	6.7	.1	10.1
36	Motorized and other vehicles (including parts)	8.8	.4	9.3	–	11.4	.2	13.0
37	Transportation equipment, n.e.c.	14.9	.1	27.5	–	43.2	.2	6.3
38	Precision instruments and apparatus	10.5	.2	15.4	–	18.6	–	6.8
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	.1	12.1	–	14.9	–	10.4
40	Miscellaneous manufactured products	8.1	.6	S	S	11.7	.3	4.9
41	Waste and scrap	16.2	–	18.4	.3	42.0	1.4	18.3
43	Mixed freight	14.0	.4	13.2	.2	16.6	.2	16.8
--	Commodity unknown	24.2	.1	24.5	–	31.6	.1	14.7

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

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

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**	**5.9**
010	Live animals and live fish	25.3	–	29.6	–	33.4	–	S
021	Wheat	30.6	–	29.3	–	49.0	–	44.9
022	Corn, except sweet	30.4	–	32.2	–	26.4	–	49.0
029	Other cereal grains	S	S	44.3	–	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	35.4	–	49.8	.2	S	S	21.6
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	25.2	–	22.5	–	29.8	–	S
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	47.7
034	Soya beans	39.1	–	45.3	–	47.8	–	S
035	Oil seeds and nuts, except olives and soya beans	37.3	–	42.5	–	39.4	–	22.9
036	Bulbs, live plants, and seeds for sowing, n.e.c.	37.4	–	S	S	S	S	29.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	28.2	–	46.9	–	S	S	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.	48.7	–	25.5	–	30.5	–	25.2
042	Animal feed preparations	19.0	–	24.3	.3	16.9	.1	S
051	Meat including poultry, except preparations	11.8	.2	11.9	–	25.6	.2	28.4
052	Fish, except live, and seafood, except preparations	24.7	–	20.7	–	30.6	–	S
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	S
061	Wheat flour, groats, and meal	16.9	–	17.7	–	18.7	–	13.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	39.9	–	35.5	–	S	S	S
063	Food preparations of cereals, flour, starch, or milk	23.2	.1	21.4	–	21.0	.2	37.3
064	Bakery products	9.5	.1	10.5	–	15.2	.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11.8	.2	11.7	.1	19.3	.3	31.8
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	15.7	.3	20.3	.2	27.6	.5	40.9
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	25.4	–	24.0	–	34.3	–	45.2
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	32.3	–	29.4	–	S	S	41.9
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	27.8	–	27.7	–	30.6	–	S
076	Confectionery, cocoa, and cocoa preparations	15.3	.2	10.5	–	13.8	.1	23.8
077	Edible preparations, n.e.c. and vinegar	17.2	.1	14.6	–	19.2	.2	22.0
078	Nonalcoholic beverages, n.e.c. and ice	10.4	.1	16.6	.3	14.0	.1	26.3
081	Malt Beer	13.1	.1	13.0	.1	29.1	.6	15.2
082	Wine and other fermented beverages	25.5	–	35.1	–	41.1	–	S
083	Spirituous beverages and ethyl alcohol	27.1	–	37.4	–	S	S	S
090	Tobacco products	16.1	.1	20.3	–	21.5	–	17.8
100	Monumental or building stone, except dolomite	46.6	–	32.0	.1	S	S	39.6
110	Natural sands, except metal-bearing	32.3	–	27.0	.9	28.9	.4	21.9
120	Gravel and crushed stone, except dolomite and slate	11.6	–	11.6	1.7	18.8	.8	7.1
131	Salt	33.3	–	42.4	.3	39.5	.3	21.7
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	20.3
133	Dolomite	29.1	–	31.9	.6	41.5	.2	15.2
139	Other nonmetallic minerals	32.9	–	25.7	–	33.6	.1	20.1
141	Iron ores and concentrates	S	S	S	S	S	S	21.8
149	Other metallic ores and concentrates	27.4	–	28.4	–	S	S	13.8
151	Nonagglomerated bituminous coal	12.2	–	13.1	1.4	21.5	2.3	26.4
159	Other coal	S	S	39.1	.3	35.9	.1	45.7
171	Gasoline	12.6	.3	13.1	.8	S	S	11.0
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	21.2
180	Fuel oils	14.4	.2	16.0	.9	24.9	.3	15.7
191	Lubricating oils and greases	33.2	–	36.8	–	S	S	46.1
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	32.1	–	41.5	.2	27.5	–	S
193	Gaseous hydrocarbons	25.5	–	34.8	.2	38.3	–	S
199	Other products of petroleum refining, and coal products	26.0	.1	21.5	1.2	21.8	.3	20.9
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	46.2	–	S	S	42.2	.1	43.3
202	Inorganic chemicals, n.e.c.	22.9	.1	24.4	.2	32.1	.8	27.4
203	Cyclic hydrocarbons	S	S	S	S	37.5	–	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	S	S	S	S	S	S	30.3
205	Organic chemicals, n.e.c.	17.3	.1	14.3	–	16.4	.1	11.8
210	Pharmaceutical products	9.9	.5	26.1	–	9.6	–	8.1
220	Fertilizers and fertilizer materials	32.4	–	45.9	.1	48.1	.1	21.6
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	23.0	.1	20.9	–	23.7	–	27.9
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	11.3	.1	20.1	–	18.0	–	10.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	20.5	–	20.4	–	30.7	.2	21.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	S	S	32.5	–	38.1	.1	10.2
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	21.6	–	22.1	–	28.4	–	S
239	Other chemical products and preparations	13.8	–	13.8	–	19.5	.2	17.4
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	13.0	.1	21.5	–	27.6	.8	13.2
242	Manmade fibers and plastics basic shapes and articles	6.0	.2	7.3	–	9.5	.2	8.1

See footnotes at end of table.

Table B–6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 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	12.1	–	15.3	–	28.4	.1	20.7
250	Logs and other wood in the rough	39.9	–	27.5	.1	19.1	–	S
261	Wood chips or particles	26.7	–	27.5	–	S	S	19.4
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	9.6	–	12.4	–	19.3	.2	14.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	15.3	–	13.6	–	16.2	–	47.8
264	Builders' joinery and carpentry of wood, except shingles and shakes	18.8	–	29.8	–	26.0	–	10.8
269	Other wood products	16.0	–	19.4	–	28.6	–	13.2
271	Pulp of fibrous cellulosic materials	34.7	–	37.0	–	S	S	S
272	Newsprint in large rolls or sheets	34.5	–	33.7	–	30.2	–	38.9
273	Uncoated paper and paperboard in large rolls or sheets	11.3	.1	15.0	.2	13.8	.4	S
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	15.1	–	26.9	.1	20.4	.3	11.8
280	Paper or paperboard articles	9.5	.2	8.0	–	16.1	.2	13.6
291	Printed books, brochures, leaflets, and similar printed products	S	S	33.2	.1	44.0	.7	8.9
292	Newspapers, journals, and periodicals	15.8	.2	19.4	.1	25.6	–	27.5
293	Advertising material, commercial or trade catalogues, and similar printed products	16.6	.1	18.9	–	38.8	.2	10.3
299	Other printed products	21.3	.2	S	S	S	S	11.9
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	18.1	.1	17.8	–	19.8	–	26.1
302	Textile clothing and accessories, and headgear, except safety	13.4	.5	15.1	–	23.5	.2	7.3
303	Textiles and textile articles, n.e.c.	14.6	.2	15.2	–	19.5	.1	7.0
304	Footwear	15.3	–	17.2	–	19.2	–	7.3
305	Leather and articles, luggage of related materials, and dressed furskins and articles	23.3	–	16.7	–	22.4	–	8.5
311	Hydraulic cements	19.4	–	19.4	.2	15.3	.1	16.1
312	Ceramic products	13.6	–	14.7	–	18.7	.2	10.5
313	Glass and glass products	13.8	.1	17.8	.2	18.9	.6	16.3
319	Other nonmetallic mineral products	13.2	–	30.5	1.6	11.9	.3	19.3
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	42.8	.3	29.8	.1	25.3	.2	29.1
322	Flat-rolled products of iron or steel	9.5	.1	21.9	.4	13.7	.6	15.2
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	23.4	.2	15.8	.1	18.9	.3	13.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	23.1	.5	13.4	–	17.2	.4	12.7
331	Pipes, tubes, and fittings	11.5	.1	20.5	.1	15.4	.2	18.0
332	Structures and parts, except prefabricated buildings	20.4	.1	41.4	–	29.5	.2	12.8
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	10.4	.1	17.3	–	19.7	.1	11.8
339	Other articles of metal	13.4	.1	27.7	.1	30.2	.4	15.6
341	Internal-combustion piston engines	16.6	.2	26.3	–	26.7	–	37.6
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	17.8	–	29.6	–	24.5	–	11.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	14.9	–	17.2	–	19.6	–	17.2
344	Air-conditioning, refrigerating, or freezing equipment	18.9	–	23.4	–	20.0	–	35.2
345	Materials-handling, excavating, boring, and related machinery and equipment	11.3	–	20.9	–	16.4	–	25.1
349	Other machinery	8.4	.2	10.6	–	12.2	–	16.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	16.7	–	16.4	–	31.7	–	16.2
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.1	–	28.1	–	30.3	–	12.2
353	Line telephone or telegraph apparatus	21.0	–	27.4	–	29.0	–	12.9
354	Electronic entertainment products, except parts	29.8	.3	23.3	–	30.9	–	14.0
355	Computer and office equipment	20.5	.6	30.1	–	33.2	.1	7.5
356	Prepared unrecorded or prerecorded media	24.3	.1	36.1	–	40.8	–	13.6
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	18.2	–	24.4	–	45.2	–	13.4
358	Electronic components and parts	26.0	.4	22.4	–	25.9	–	10.6
359	Other electronic and electrical equipment	5.3	.1	10.4	–	13.0	–	14.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	47.1	.2	33.5	–	46.6	–	30.9
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	44.6	.2	43.1	–	S	S	22.4
363	Other vehicles	18.1	.1	17.5	–	19.9	–	11.0
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	12.4	.4	14.3	–	14.3	.2	13.6
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	23.5	–	28.1	–	44.7	.2	7.6
372	Aircraft and spacecraft	20.0	.1	26.8	–	28.1	–	7.8
373	Ships, boats, and floating structures	29.6	–	29.1	–	32.1	–	S
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	16.6	–	15.8	–	18.3	–	10.0
382	Photographic and photocopying machines	25.9	.1	21.4	–	42.7	–	10.6
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	30.1	–	44.5	–	S	S	14.5
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	20.4	.2	29.8	–	33.5	–	8.6

See footnotes at end of table.

Table B–6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the Division: 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	13.8	–	16.3	–	19.5	–	6.3
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	10.9	.1	12.1	–	14.9	–	10.4
401	Arms and ammunition	23.0	–	22.9	–	26.5	–	9.7
402	Toys, games, and sporting equipment	19.9	.1	20.6	–	27.0	–	7.7
409	Miscellaneous manufactured products	9.0	.6	S	S	13.0	.4	5.7
411	Metallic waste and scrap	19.8	–	23.5	.3	S	S	17.9
412	Nonmetallic waste and scrap, except from food processing	38.9	–	36.0	.1	35.8	.2	20.7
439	Mixed freight	14.0	.4	13.2	.2	16.6	.2	16.8
—	Commodity unknown	24.2	.1	24.5	–	31.6	.1	14.7

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

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

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**4.3**	**–**	**5.7**	**–**	**5.2**	**–**	**5.9**
Single modes	**5.0**	**.7**	**5.9**	**.8**	**5.6**	**1.3**	**7.6**
Truck	5.0	1.0	6.9	2.4	3.1	2.9	9.1
For-hire truck	8.1	1.5	10.8	2.8	3.6	2.1	4.6
Private truck	3.8	1.2	7.7	2.3	4.2	.9	10.7
Rail	12.5	.2	14.2	1.0	16.7	2.3	19.9
Water	34.1	.1	34.1	.7	45.7	1.1	S
Shallow draft	43.3	.1	38.6	.7	S	S	S
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	43.1	–	S	S	S	S	49.1
Air (includes truck and air)	21.3	.4	16.4	–	19.3	.1	4.6
Pipeline	38.6	.4	37.9	1.5	S	S	S
Multiple modes	**5.1**	**.7**	**23.4**	**.3**	**21.3**	**1.3**	**3.6**
Parcel, U.S. Postal Service or courier	5.2	.7	6.2	–	9.3	.2	3.6
Truck and rail	11.4	–	S	S	10.6	.2	8.9
Truck and water	35.9	–	S	S	S	S	30.0
Rail and water	34.3	–	34.8	.1	34.1	.2	18.3
Other multiple modes	49.6	–	S	S	S	S	43.5
Other and unknown modes	**7.8**	**.3**	**18.7**	**.6**	**15.1**	**.5**	**28.5**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**25.3**	**–**	**29.6**	**–**	**33.4**	**–**	**S**
Single modes	**25.4**	**1.6**	**29.8**	**1.3**	**33.1**	**1.2**	**S**
Truck	25.4	1.6	29.8	1.3	33.1	1.2	S
For-hire truck	35.2	8.5	36.1	8.8	38.0	10.8	17.3
Private truck	46.3	8.9	S	S	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 02, CEREAL GRAINS							
Total	**32.0**	**–**	**21.1**	**–**	**37.3**	**–**	**S**
Single modes	**30.4**	**5.2**	**22.4**	**3.6**	**30.4**	**6.6**	**S**
Truck	28.1	6.1	23.5	4.4	32.8	8.6	S
For-hire truck	43.7	7.3	31.4	7.3	45.2	6.6	26.6
Private truck	31.1	9.8	36.9	7.3	35.3	9.7	22.0
Rail	44.3	4.0	45.2	3.5	39.0	6.5	20.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**24.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	37.4
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.3**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**27.6**	**–**	**32.7**	**–**	**25.0**	**–**	**S**
Single modes	**29.1**	**3.9**	**34.6**	**4.3**	**25.9**	**4.3**	**44.4**
Truck	29.0	3.8	34.6	4.3	26.0	4.3	44.8
For-hire truck	46.3	6.0	45.6	7.3	31.6	8.7	39.2
Private truck	25.5	6.5	33.4	7.2	40.1	7.4	26.2
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**47.0**	**1.2**	**S**	**S**	**S**	**S**	**15.3**
Parcel, U.S. Postal Service or courier	47.7	1.2	S	S	S	S	15.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**17.3**	**–**	**21.9**	**–**	**14.2**	**–**	**32.7**
Single modes	**16.2**	**2.9**	**21.5**	**1.9**	**13.1**	**4.1**	**S**
Truck	16.7	3.2	21.9	2.8	15.6	5.9	50.0
For-hire truck	20.8	5.9	22.3	5.3	20.9	6.5	26.2
Private truck	19.7	6.0	26.0	6.2	20.8	6.5	38.5
Rail	49.7	2.2	30.7	2.5	44.3	4.3	20.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**46.8**	**1.6**	**S**	**S**	**S**	**S**	**31.1**
Parcel, U.S. Postal Service or courier	S	S	48.4	–	48.3	.2	18.2
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**12.0**	**–**	**11.5**	**–**	**24.2**	**–**	**34.6**
Single modes	**12.7**	**2.4**	**12.2**	**2.1**	**24.7**	**1.3**	**24.3**
Truck	12.7	2.4	12.2	2.1	24.7	1.3	24.3
For-hire truck	22.2	3.8	21.9	3.7	33.1	7.0	23.4
Private truck	12.3	4.7	12.0	4.2	15.7	6.5	15.5
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**25.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.8
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.1**	**2.4**	**41.8**	**2.1**	**42.3**	**1.3**	**34.3**

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 Division: 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	**8.1**	**–**	**8.0**	**–**	**12.3**	**–**	**S**
Single modes	**8.5**	**1.0**	**8.3**	**1.5**	**12.9**	**1.8**	**S**
Truck	8.6	1.1	8.4	1.5	13.3	2.5	S
For-hire truck	12.9	3.9	13.2	4.0	18.1	4.3	7.9
Private truck	13.1	4.2	12.2	3.7	12.1	2.8	S
Rail	26.3	.6	20.9	.7	25.5	2.2	16.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**33.6**	**.8**	**33.0**	**.3**	**34.1**	**1.7**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	48.6	.2	S
Truck and rail	34.7	.4	37.8	.3	35.1	1.6	14.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**39.8**	**.7**	**38.0**	**1.4**	**S**	**S**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**5.1**	**–**	**7.7**	**–**	**10.5**	**–**	**17.5**
Single modes	**5.1**	**.7**	**7.8**	**.6**	**10.4**	**.9**	**15.3**
Truck	5.2	.8	7.8	.7	10.9	1.3	15.3
For-hire truck	8.2	2.4	7.4	2.4	12.5	2.7	12.8
Private truck	6.7	2.1	10.2	2.2	12.0	2.1	15.7
Rail	22.9	.1	24.9	.1	30.7	1.2	17.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**45.5**	**.3**	**33.2**	**–**	**38.9**	**.6**	**16.1**
Parcel, U.S. Postal Service or courier	S	S	42.9	–	30.0	–	14.8
Truck and rail	33.0	–	36.7	–	40.4	.6	15.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.4**	**.7**	**41.3**	**.6**	**29.2**	**.5**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**10.6**	**–**	**12.2**	**–**	**26.1**	**–**	**12.7**
Single modes	**10.6**	**.7**	**12.1**	**.7**	**26.9**	**3.1**	**12.6**
Truck	10.6	1.0	12.1	1.0	27.7	3.7	12.6
For-hire truck	23.4	4.9	21.5	5.4	32.1	6.6	29.0
Private truck	7.1	5.1	8.6	5.6	25.6	7.2	12.4
Rail	34.7	.5	34.9	.6	37.2	2.6	21.3
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)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**24.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.3
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**47.2**	**.5**	**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 Division: 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	**16.1**	**–**	**20.3**	**–**	**21.5**	**–**	**17.8**
Single modes	**16.1**	**1.9**	**20.8**	**2.0**	**21.9**	**4.6**	**12.0**
Truck	16.1	1.9	20.8	2.0	21.9	4.6	12.0
For-hire truck	27.1	1.6	38.6	3.7	36.6	9.3	15.9
Private truck	16.8	2.4	23.5	4.2	33.2	9.0	8.9
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**40.8**	**1.1**	**28.5**	**.8**	**30.3**	**4.4**	**12.5**
Parcel, U.S. Postal Service or courier	40.8	1.1	28.5	.8	30.3	4.4	12.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.5**	**1.3**	**30.1**	**1.4**	**45.6**	**.5**	**S**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**46.6**	**–**	**32.0**	**–**	**S**	**S**	**39.6**
Single modes	**48.5**	**4.2**	**32.1**	**2.8**	**40.8**	**6.0**	**S**
Truck	48.5	4.2	32.1	2.8	40.8	6.0	S
For-hire truck	S	S	42.2	11.0	39.2	8.6	S
Private truck	S	S	31.0	10.7	S	S	42.7
Rail	–	–	–	–	–	–	–
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**	**20.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	20.5
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	**32.3**	**–**	**27.0**	**–**	**28.9**	**–**	**21.9**
Single modes	**31.4**	**.6**	**27.5**	**1.7**	**28.0**	**2.1**	**23.2**
Truck	32.4	2.2	28.4	2.6	31.1	5.1	23.5
For-hire truck	S	S	46.8	8.8	41.4	8.9	37.8
Private truck	47.8	8.3	24.6	9.5	32.4	10.8	36.8
Rail	28.6	2.0	28.2	1.7	35.6	3.8	19.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
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**	**21.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.6**

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 Division: 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	**11.6**	**–**	**11.6**	**–**	**18.8**	**–**	**7.1**
Single modes	**12.1**	**1.7**	**11.9**	**1.3**	**19.1**	**1.4**	**7.3**
Truck	12.4	1.8	12.1	1.3	20.8	3.2	7.3
For-hire truck	20.4	4.3	23.3	4.7	26.5	4.6	8.9
Private truck	12.4	4.0	11.9	4.6	16.1	3.1	10.9
Rail	39.0	1.0	30.6	.5	31.7	2.6	36.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**40.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
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	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.9**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**23.8**	**–**	**23.3**	**–**	**25.6**	**–**	**16.5**
Single modes	**23.8**	**2.3**	**23.5**	**.6**	**26.9**	**2.7**	**17.2**
Truck	24.2	3.0	25.6	4.1	28.5	5.6	17.5
For-hire truck	35.6	6.2	24.9	7.1	43.6	6.3	29.1
Private truck	28.6	6.6	36.7	7.3	16.7	7.4	34.9
Rail	S	S	S	S	S	S	20.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	21.8
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**	**24.8**
Parcel, U.S. Postal Service or courier	S	S	38.3	–	45.9	–	21.0
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**25.4**	**–**	**26.9**	**–**	**S**	**S**	**13.9**
Single modes	**23.8**	**6.8**	**28.6**	**7.5**	**26.0**	**12.9**	**14.5**
Truck	24.8	6.9	29.7	7.8	24.2	13.6	14.9
For-hire truck	25.9	7.0	29.2	8.2	20.6	13.9	16.5
Private truck	40.2	1.2	S	S	S	S	18.4
Rail	49.6	3.0	46.8	2.3	46.9	3.8	20.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.0**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**15.2**	**–**	**12.0**	**–**	**21.2**	**–**	**27.0**
Single modes	**15.1**	**4.2**	**12.5**	**3.8**	**21.8**	**1.0**	**28.7**
Truck	28.9	6.5	20.0	6.9	17.2	8.8	30.2
For-hire truck	18.9	6.7	23.7	6.9	20.2	6.1	24.2
Private truck	S	S	S	S	37.3	5.2	S
Rail	21.6	5.7	21.9	6.1	28.9	9.2	11.1
Water	41.9	3.6	42.4	3.4	S	S	21.0
Shallow draft	41.9	3.6	42.4	3.4	S	S	21.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.4**	**1.0**	**28.0**	**.9**	**26.6**	**1.0**	**17.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	20.9
Rail and water	34.3	.7	34.8	.8	34.1	1.0	18.3
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**40.9**	**4.4**	**43.9**	**4.0**	**S**	**S**	**35.8**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**13.1**	**–**	**14.1**	**–**	**S**	**S**	**10.8**
Single modes	**13.2**	**.5**	**14.1**	**.4**	**S**	**S**	**8.8**
Truck	10.6	5.6	9.7	6.7	13.5	14.1	9.1
For-hire truck	20.0	3.2	15.5	3.4	21.2	7.4	11.5
Private truck	13.3	4.3	12.3	4.5	15.4	8.6	6.8
Rail	S	S	S	S	S	S	21.2
Water	S	S	S	S	S	S	26.5
Shallow draft	S	S	S	S	S	S	25.1
Great Lakes	S	S	S	S	S	S	21.8
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	39.9	5.3	38.5	6.3	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.8**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	23.8
Other and unknown modes	**42.7**	**.5**	**42.9**	**.4**	**30.0**	**.3**	**S**
SCTG 18, FUEL OILS							
Total	**14.4**	**–**	**16.0**	**–**	**24.9**	**–**	**15.7**
Single modes	**15.0**	**2.1**	**16.6**	**2.3**	**29.1**	**6.2**	**16.7**
Truck	16.2	6.3	16.6	6.8	27.1	9.0	16.6
For-hire truck	33.4	3.5	32.9	4.0	35.6	5.8	35.8
Private truck	11.3	5.7	12.4	6.3	23.4	7.9	15.1
Rail	S	S	S	S	S	S	22.4
Water	42.6	2.0	45.7	2.2	S	S	24.2
Shallow draft	S	S	S	S	S	S	28.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.0
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	41.4	5.4	46.1	5.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**43.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.6**

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 Division: 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	**14.9**	**–**	**19.0**	**–**	**16.7**	**–**	**S**
Single modes	**15.0**	**.5**	**19.0**	**.7**	**16.9**	**1.3**	**S**
Truck	13.6	5.1	19.5	4.3	16.0	5.6	28.4
For-hire truck	18.6	5.0	26.8	4.8	17.5	5.1	34.8
Private truck	19.9	5.5	21.3	5.2	27.9	4.7	14.8
Rail	42.4	2.8	37.7	2.7	32.5	6.3	21.6
Water	S	S	S	S	S	S	34.9
Shallow draft	S	S	S	S	S	S	33.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**48.3**	**.2**	**S**	**S**	**S**	**S**	**21.8**
Parcel, U.S. Postal Service or courier	S	S	43.0	–	S	S	20.8
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	–	–	–	–	–	–	–
Other and unknown modes	**22.7**	**.4**	**S**	**S**	**41.1**	**1.3**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**16.6**	**–**	**19.5**	**–**	**22.7**	**–**	**15.9**
Single modes	**16.6**	**1.8**	**19.6**	**.5**	**23.4**	**1.5**	**23.2**
Truck	18.4	3.1	22.1	5.1	16.2	7.8	23.5
For-hire truck	20.0	3.5	21.2	3.7	14.3	6.0	13.9
Private truck	20.5	2.6	26.1	4.9	33.4	4.2	31.8
Rail	26.2	1.3	36.3	3.3	29.4	4.9	41.0
Water	S	S	S	S	S	S	24.6
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	38.0
Air (includes truck and air)	46.9	.3	32.7	–	35.2	–	12.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	**28.5**	**1.5**	**44.1**	**.2**	**S**	**S**	**17.6**
Parcel, U.S. Postal Service or courier	30.3	1.4	S	S	47.8	.2	17.2
Truck and rail	36.5	.2	S	S	S	S	16.2
Truck and water	S	S	S	S	S	S	22.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	41.3
Other and unknown modes	**26.2**	**.9**	**28.5**	**.4**	**S**	**S**	**24.8**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**9.9**	**–**	**26.1**	**–**	**9.6**	**–**	**8.1**
Single modes	**10.0**	**4.1**	**30.0**	**3.9**	**11.3**	**4.9**	**19.0**
Truck	10.3	4.2	30.5	3.9	11.9	4.8	25.6
For-hire truck	11.7	3.2	11.8	5.3	12.2	4.8	20.4
Private truck	16.0	2.5	S	S	20.6	1.3	22.5
Rail	S	S	S	S	S	S	21.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	22.1	.4	25.2	.5	25.2	1.4	12.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.6**	**4.3**	**27.1**	**3.9**	**36.3**	**4.9**	**6.6**
Parcel, U.S. Postal Service or courier	23.5	4.3	27.1	3.8	36.6	4.8	6.6
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	–	–	–	–	–	–	–
Other and unknown modes	**34.4**	**.3**	**38.5**	**.6**	**35.4**	**.3**	**42.0**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**32.4**	**–**	**45.9**	**–**	**48.1**	**–**	**21.6**
Single modes	**33.5**	**2.5**	**46.8**	**3.8**	**48.3**	**3.7**	**27.3**
Truck	33.7	3.1	47.7	5.8	S	S	27.1
For-hire truck	45.1	10.6	S	S	S	S	S
Private truck	39.1	10.4	28.2	11.5	30.3	13.8	13.8
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	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**46.8**	**1.9**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**22.2**	**–**	**7.0**	**–**	**10.0**	**–**	**10.6**
Single modes	**22.3**	**2.1**	**7.5**	**1.0**	**10.5**	**1.0**	**13.9**
Truck	22.8	2.1	7.8	1.9	11.3	3.3	13.5
For-hire truck	27.7	3.4	9.2	3.7	11.9	4.1	5.5
Private truck	14.1	3.1	14.9	2.6	19.1	1.4	24.4
Rail	45.9	.6	44.1	1.9	43.2	3.6	20.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	39.3	.4	S	S	S	S	8.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.8**	**2.0**	**18.3**	**.6**	**18.0**	**.8**	**9.2**
Parcel, U.S. Postal Service or courier	31.2	2.0	19.2	.5	17.5	.5	9.2
Truck and rail	38.1	.1	S	S	35.3	.6	18.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**43.0**	**1.2**	**22.5**	**.8**	**35.1**	**.6**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**4.8**	**–**	**9.4**	**–**	**15.2**	**–**	**8.0**
Single modes	**5.2**	**1.2**	**9.4**	**1.0**	**16.2**	**1.2**	**10.1**
Truck	5.2	1.7	8.3	3.6	14.2	3.7	10.7
For-hire truck	7.2	2.3	11.0	3.6	16.4	3.8	5.4
Private truck	8.7	2.4	15.1	3.8	29.1	3.2	22.6
Rail	45.6	1.2	S	S	S	S	13.0
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	25.3	.1	34.7	–	30.2	.2	8.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**9.9**	**1.1**	**12.5**	**.3**	**15.6**	**.7**	**7.6**
Parcel, U.S. Postal Service or courier	10.5	1.2	15.6	.3	12.7	.3	7.6
Truck and rail	26.0	.1	27.1	.1	28.4	.6	13.8
Truck and water	46.2	–	48.1	–	49.9	–	21.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**18.5**	**.6**	**25.4**	**.8**	**34.3**	**1.0**	**26.0**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the Division: 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	**39.9**	**–**	**27.5**	**–**	**19.1**	**–**	**S**
Single modes	**41.1**	**3.0**	**28.2**	**2.8**	**20.5**	**3.4**	**S**
Truck	43.2	5.6	29.1	4.3	24.8	6.8	S
For-hire truck	S	S	44.2	7.0	35.2	6.9	32.5
Private truck	30.5	9.0	37.6	8.4	36.2	9.0	22.5
Rail	35.1	4.1	38.4	2.5	32.5	5.3	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**39.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**46.5**	**3.0**	**S**	**S**	**S**	**S**	**26.5**
SCTG 26, WOOD PRODUCTS							
Total	**7.6**	**–**	**8.6**	**–**	**20.7**	**–**	**13.9**
Single modes	**7.3**	**1.7**	**7.5**	**2.1**	**10.0**	**6.4**	**8.1**
Truck	7.3	1.7	7.5	2.1	10.1	6.3	8.1
For-hire truck	10.7	2.0	10.1	3.6	11.9	4.7	14.4
Private truck	8.0	2.0	11.4	3.8	13.1	4.0	5.2
Rail	36.4	.2	37.6	.1	47.3	1.2	19.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	46.8	–	49.0	–	19.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**30.0**	**.1**	**29.5**	**1.2**	**17.2**
Parcel, U.S. Postal Service or courier	S	S	36.2	.1	38.2	.4	17.3
Truck and rail	40.6	.1	40.8	–	32.9	1.0	48.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**29.9**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**7.9**	**–**	**13.8**	**–**	**11.2**	**–**	**26.8**
Single modes	**7.9**	**.9**	**14.0**	**1.1**	**11.7**	**2.5**	**15.8**
Truck	8.2	1.3	14.3	1.6	11.4	3.5	16.6
For-hire truck	9.3	2.4	17.1	2.3	11.7	3.2	14.0
Private truck	9.9	2.0	9.8	2.3	19.9	1.0	15.5
Rail	21.7	1.1	24.3	1.6	29.6	3.1	34.8
Water	S	S	S	S	S	S	21.9
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)	S	S	S	S	S	S	18.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.2**	**.8**	**28.2**	**.4**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	29.6	.8	26.4	.2	26.5	–	S
Truck and rail	S	S	S	S	S	S	20.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**25.2**	**.3**	**43.0**	**1.0**	**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 Division: 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	**9.5**	**–**	**8.0**	**–**	**16.1**	**–**	**13.6**
Single modes	**9.0**	**1.2**	**8.2**	**.8**	**16.9**	**1.5**	**13.1**
Truck	9.0	1.2	8.2	.8	16.9	1.5	13.3
For-hire truck	11.3	3.5	11.7	4.5	16.9	3.4	12.8
Private truck	11.4	3.2	15.2	4.5	38.2	3.1	10.9
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	16.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.4**	**1.0**	**21.3**	**.3**	**37.4**	**1.4**	**9.4**
Parcel, U.S. Postal Service or courier	24.1	1.0	22.5	.2	24.9	.6	9.4
Truck and rail	S	S	S	S	S	S	18.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**40.8**	**.7**	**37.4**	**.6**	**41.2**	**.6**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**38.8**	**–**	**12.7**	**–**	**24.6**	**–**	**13.5**
Single modes	**46.2**	**4.0**	**13.5**	**1.3**	**26.3**	**2.6**	**24.5**
Truck	43.9	3.7	13.5	1.5	26.8	3.0	25.8
For-hire truck	S	S	21.8	4.7	30.9	4.5	15.4
Private truck	13.8	4.8	19.2	5.2	45.5	3.8	45.8
Rail	36.8	.1	S	S	44.7	.2	23.6
Water	S	S	S	S	S	S	21.8
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	35.6	.2	28.1	.9	13.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.5**	**3.8**	**20.4**	**1.0**	**31.8**	**2.3**	**9.5**
Parcel, U.S. Postal Service or courier	21.5	3.8	20.6	1.0	32.4	2.3	9.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.8**	**1.0**	**22.3**	**1.0**	**33.9**	**1.3**	**15.2**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**9.9**	**–**	**11.3**	**–**	**13.0**	**–**	**6.7**
Single modes	**9.2**	**2.9**	**10.5**	**2.0**	**12.2**	**3.1**	**5.0**
Truck	9.5	2.8	10.6	1.9	12.7	3.0	5.0
For-hire truck	10.2	3.1	11.4	2.9	15.3	3.6	4.7
Private truck	17.7	2.9	14.6	2.5	14.1	1.8	12.5
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	22.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	24.3
Air (includes truck and air)	18.9	.2	21.3	–	25.3	.2	7.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.1**	**2.9**	**25.7**	**1.9**	**36.0**	**3.1**	**8.5**
Parcel, U.S. Postal Service or courier	20.1	2.9	25.7	1.8	36.5	3.0	8.5
Truck and rail	41.3	–	37.1	–	37.7	.2	19.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.7**	**1.0**	**31.2**	**1.2**	**37.2**	**1.5**	**29.9**

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 Division: 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	**6.5**	**–**	**23.2**	**–**	**8.5**	**–**	**18.3**
Single modes	**6.7**	**1.7**	**23.6**	**.6**	**8.1**	**1.7**	**14.0**
Truck	6.8	1.7	23.8	.6	7.5	2.1	14.6
For-hire truck	7.5	2.9	40.5	4.8	8.2	2.8	10.3
Private truck	13.7	2.4	15.4	4.7	9.4	1.8	9.4
Rail	27.3	.1	31.0	.2	43.6	1.6	17.9
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)	44.6	.3	S	S	S	S	9.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**28.3**	**1.2**	**27.4**	**–**	**32.3**	**.2**	**11.7**
Parcel, U.S. Postal Service or courier	28.4	1.2	21.5	–	40.3	.2	11.7
Truck and rail	S	S	S	S	S	S	23.6
Truck and water	S	S	S	S	S	S	22.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.0**	**.8**	**30.8**	**.6**	**23.7**	**1.7**	**35.2**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**16.9**	**–**	**13.0**	**–**	**11.4**	**–**	**10.8**
Single modes	**17.7**	**1.3**	**9.3**	**3.2**	**11.7**	**1.8**	**12.6**
Truck	18.2	2.0	8.2	4.4	10.2	4.2	10.8
For-hire truck	24.0	2.7	10.2	3.6	12.1	3.9	5.6
Private truck	8.4	2.5	16.2	2.7	20.2	2.2	16.5
Rail	28.0	1.3	28.2	2.4	30.5	3.8	17.7
Water	S	S	S	S	S	S	22.7
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.7
Air (includes truck and air)	22.5	.1	39.8	.1	37.5	.3	8.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**22.5**	**.8**	**45.8**	**.4**	**S**	**S**	**8.2**
Parcel, U.S. Postal Service or courier	24.8	.6	26.0	–	34.7	.1	8.5
Truck and rail	44.7	.1	44.4	–	48.5	.2	17.8
Truck and water	S	S	S	S	S	S	21.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**36.8**	**1.0**	**41.7**
SCTG 33, ARTICLES OF BASE METAL							
Total	**5.6**	**–**	**12.2**	**–**	**10.9**	**–**	**14.0**
Single modes	**6.9**	**2.5**	**13.0**	**3.6**	**12.4**	**2.9**	**12.9**
Truck	7.1	2.8	13.4	4.2	12.3	4.3	13.0
For-hire truck	8.3	3.0	17.8	4.5	13.4	4.2	6.7
Private truck	12.4	3.0	14.9	3.6	20.5	2.5	20.8
Rail	S	S	S	S	S	S	16.8
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	27.7	.3	38.7	.1	41.1	.3	10.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**13.9**	**2.3**	**26.6**	**.6**	**41.5**	**2.4**	**13.5**
Parcel, U.S. Postal Service or courier	13.0	2.1	11.5	.3	26.4	.5	13.5
Truck and rail	S	S	S	S	S	S	19.6
Truck and water	S	S	S	S	S	S	22.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**18.4**	**.7**	**S**	**S**	**21.3**	**2.3**	**46.5**

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 Division: 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	**5.6**	**–**	**8.1**	**–**	**9.5**	**–**	**12.5**
Single modes	**6.4**	**1.5**	**8.7**	**1.4**	**10.0**	**1.9**	**8.8**
Truck	6.6	1.7	8.9	1.6	9.7	2.4	11.4
For-hire truck	8.4	2.4	11.7	3.3	11.1	2.8	8.2
Private truck	10.3	2.1	17.9	3.6	15.9	2.0	17.7
Rail	S	S	S	S	S	S	21.1
Water	S	S	S	S	S	S	28.6
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)	26.9	.8	46.0	.5	S	S	5.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**8.1**	**1.1**	**18.3**	**.8**	**25.5**	**1.6**	**10.7**
Parcel, U.S. Postal Service or courier	8.3	1.2	10.2	.4	14.9	.7	10.7
Truck and rail	41.2	.4	48.4	.7	47.4	1.3	26.8
Truck and water	S	S	S	S	S	S	22.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**17.0**	**.7**	**27.4**	**.8**	**32.8**	**.7**	**43.4**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**8.2**	**–**	**5.2**	**–**	**6.7**	**–**	**10.1**
Single modes	**11.7**	**2.8**	**6.1**	**1.5**	**7.3**	**2.6**	**14.5**
Truck	9.8	2.4	5.9	1.4	7.6	3.0	14.6
For-hire truck	12.1	2.5	6.8	1.9	7.8	3.0	5.2
Private truck	9.2	.9	11.7	1.5	20.4	.8	27.2
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	30.4	2.4	26.3	.5	31.4	1.5	3.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**9.2**	**2.5**	**12.6**	**1.2**	**19.2**	**2.2**	**8.6**
Parcel, U.S. Postal Service or courier	9.3	2.5	12.4	1.0	10.4	1.5	8.6
Truck and rail	46.4	.1	45.8	.6	S	S	19.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**16.3**	**.9**	**20.5**	**.9**	**42.8**	**1.0**	**S**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**8.8**	**–**	**9.3**	**–**	**11.4**	**–**	**13.0**
Single modes	**8.5**	**2.5**	**8.6**	**2.3**	**10.6**	**2.5**	**16.9**
Truck	10.2	4.2	10.0	3.8	9.7	4.7	15.9
For-hire truck	15.0	4.2	15.8	3.3	15.3	4.0	10.5
Private truck	9.7	2.6	8.5	3.0	13.9	2.5	24.3
Rail	42.9	3.6	24.8	2.9	29.6	4.1	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	11.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**19.6**	**.9**	**26.5**	**.4**	**38.1**	**1.2**	**7.0**
Parcel, U.S. Postal Service or courier	20.7	.9	18.4	.3	30.8	.7	7.0
Truck and rail	44.0	.3	S	S	S	S	21.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**37.0**	**2.2**	**30.1**	**2.0**	**33.8**	**1.6**	**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 Division: 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	**14.9**	**–**	**27.5**	**–**	**43.2**	**–**	**6.3**
Single modes	**15.3**	**5.3**	**26.8**	**2.3**	**41.9**	**1.7**	**13.8**
Truck	16.3	4.4	31.2	6.5	S	S	14.5
For-hire truck	16.5	4.2	31.1	6.8	S	S	9.1
Private truck	29.1	2.6	41.7	5.3	S	S	27.2
Rail	45.6	2.9	42.9	6.8	37.7	7.4	18.1
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.0
Air (includes truck and air)	25.6	3.3	35.9	.8	42.6	1.8	6.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**24.3**	**5.1**	**S**	**S**	**S**	**S**	**7.4**
Parcel, U.S. Postal Service or courier	24.5	5.1	39.3	2.3	42.8	1.7	7.4
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	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.7**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**10.5**	**–**	**15.4**	**–**	**18.6**	**–**	**6.8**
Single modes	**10.3**	**2.8**	**16.0**	**3.0**	**24.8**	**4.1**	**9.7**
Truck	10.2	3.0	16.7	3.3	27.5	4.6	15.0
For-hire truck	11.0	2.6	14.9	3.9	28.6	4.7	8.0
Private truck	15.7	1.3	33.4	2.3	28.5	.7	49.5
Rail	–	–	–	–	–	–	–
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)	30.2	.9	23.3	.9	22.4	1.9	5.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	**13.3**	**3.0**	**20.2**	**3.2**	**27.4**	**4.3**	**6.4**
Parcel, U.S. Postal Service or courier	13.3	3.0	20.2	3.2	27.5	4.3	6.4
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**19.3**	**.7**	**S**	**S**	**S**	**S**	**27.9**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**10.9**	**–**	**12.1**	**–**	**14.9**	**–**	**10.4**
Single modes	**11.1**	**1.8**	**12.6**	**1.4**	**13.0**	**2.1**	**13.5**
Truck	11.1	1.8	12.6	1.4	13.0	2.1	13.9
For-hire truck	13.8	3.5	14.1	4.0	14.6	3.3	5.9
Private truck	15.1	4.3	18.9	4.6	19.9	2.3	22.5
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	32.4	–	36.5	–	44.5	.1	17.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**34.1**	**1.3**	**26.3**	**.5**	**35.5**	**1.3**	**22.2**
Parcel, U.S. Postal Service or courier	34.4	1.3	26.9	.5	38.6	.9	22.2
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**37.3**	**1.3**	**44.0**	**1.4**	**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 Division: 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	**8.1**	**–**	**S**	**S**	**11.7**	**–**	**4.9**
Single modes	**13.7**	**2.8**	**S**	**S**	**13.7**	**2.1**	**9.2**
Truck	14.4	2.7	S	S	14.5	2.7	9.5
For-hire truck	9.7	2.1	22.2	8.7	17.4	3.0	6.5
Private truck	32.8	2.9	S	S	25.3	3.0	22.1
Rail	S	S	S	S	49.5	1.7	S
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)	24.5	.6	36.7	–	21.8	.1	8.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**8.0**	**2.8**	**14.0**	**2.1**	**16.1**	**2.0**	**4.0**
Parcel, U.S. Postal Service or courier	8.1	2.8	14.3	2.1	17.0	1.8	4.0
Truck and rail	S	S	S	S	S	S	19.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.1
Other and unknown modes	**24.1**	**1.3**	**13.6**	**.9**	**27.2**	**.8**	**34.5**
SCTG 41, WASTE AND SCRAP							
Total	**16.2**	**–**	**18.4**	**–**	**42.0**	**–**	**18.3**
Single modes	**15.1**	**1.4**	**16.6**	**2.5**	**16.7**	**9.2**	**18.9**
Truck	14.5	3.3	15.9	5.1	14.5	10.1	20.2
For-hire truck	18.2	5.3	21.9	5.7	19.9	8.5	21.7
Private truck	25.9	5.4	16.6	5.6	40.8	6.5	33.6
Rail	32.5	2.7	32.2	3.8	35.6	6.4	23.6
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
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**	**24.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	31.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**46.3**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**14.0**	**–**	**13.2**	**–**	**16.6**	**–**	**16.8**
Single modes	**15.1**	**1.7**	**13.7**	**1.5**	**16.8**	**3.9**	**16.0**
Truck	15.1	1.7	13.7	1.5	17.2	4.1	15.4
For-hire truck	24.5	2.5	29.5	2.6	35.8	6.4	34.2
Private truck	17.1	3.3	14.1	3.2	14.3	7.5	13.0
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	21.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.3**	**1.2**	**28.3**	**.3**	**33.1**	**1.4**	**18.4**
Parcel, U.S. Postal Service or courier	25.2	1.2	30.0	.4	28.6	1.3	18.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**45.6**	**1.2**	**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 Division: 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	**24.2**	**–**	**24.5**	**–**	**31.6**	**–**	**14.7**
Single modes	**28.5**	**4.8**	**26.9**	**5.6**	**28.3**	**7.8**	**23.4**
Truck	29.3	5.6	28.1	6.4	31.3	8.6	31.8
For-hire truck	33.3	6.0	27.8	7.0	36.8	7.2	10.7
Private truck	S	S	40.8	7.7	25.8	4.8	S
Rail	S	S	S	S	S	S	24.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.6	1.3	46.1	–	S	S	17.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**24.9**	**4.1**	**32.5**	**1.1**	**35.0**	**4.6**	**15.7**
Parcel, U.S. Postal Service or courier	25.1	4.1	36.6	1.1	40.2	4.6	15.8
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**45.2**	**2.2**	**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.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**4.3**	**5.7**	**5.2**
Less than 50 miles	2.3	8.2	9.8
50 to 99 miles	6.8	6.0	6.2
100 to 249 miles	11.3	6.7	8.6
250 to 499 miles	5.2	5.7	7.9
500 to 749 miles	7.2	8.8	11.1
750 to 999 miles	7.1	15.1	17.4
1,000 to 1,499 miles	4.5	21.5	21.3
1,500 to 1,999 miles	14.5	12.4	12.2
2,000 miles or more	7.0	6.0	6.6
SCTG 01, Live animals and live fish	**25.3**	**29.6**	**33.4**
Less than 50 miles	S	S	38.5
50 to 99 miles	36.6	38.0	37.0
100 to 249 miles	28.4	23.6	23.3
250 to 499 miles	37.4	40.5	43.0
500 to 749 miles	38.0	39.8	39.7
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	–	–	–
SCTG 02, Cereal grains	**32.0**	**21.1**	**37.3**
Less than 50 miles	20.0	25.4	29.6
50 to 99 miles	35.4	41.2	40.6
100 to 249 miles	32.8	29.3	31.8
250 to 499 miles	S	40.1	41.5
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**27.6**	**32.7**	**25.0**
Less than 50 miles	27.2	32.5	38.8
50 to 99 miles	S	S	S
100 to 249 miles	16.3	24.5	27.3
250 to 499 miles	21.0	44.7	43.7
500 to 749 miles	25.7	29.5	29.7
750 to 999 miles	32.0	42.6	41.1
1,000 to 1,499 miles	29.3	32.2	30.8
1,500 to 1,999 miles	40.1	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17.3**	**21.9**	**14.2**
Less than 50 miles	25.9	30.7	34.9
50 to 99 miles	27.7	23.5	23.6
100 to 249 miles	24.4	24.2	22.6
250 to 499 miles	27.6	23.8	23.7
500 to 749 miles	28.1	28.6	28.3
750 to 999 miles	32.4	30.8	30.7
1,000 to 1,499 miles	37.6	28.4	28.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	45.2	47.2
SCTG 05, Meat, fish, seafood, and their preparations	**12.0**	**11.5**	**24.2**
Less than 50 miles	13.7	14.6	14.7
50 to 99 miles	15.3	12.8	12.5
100 to 249 miles	12.3	14.9	14.7
250 to 499 miles	18.2	16.9	19.1
500 to 749 miles	36.2	35.6	37.9
750 to 999 miles	S	46.5	45.8
1,000 to 1,499 miles	33.7	35.9	36.9
1,500 to 1,999 miles	47.8	48.7	48.9
2,000 miles or more	24.2	25.5	25.6
SCTG 06, Milled grain products and preparations, and bakery products	**8.1**	**8.0**	**12.3**
Less than 50 miles	14.2	12.6	13.9
50 to 99 miles	21.2	18.8	19.4
100 to 249 miles	7.3	12.7	12.5
250 to 499 miles	10.9	11.9	11.4
500 to 749 miles	17.0	20.9	20.6
750 to 999 miles	22.6	18.9	19.2
1,000 to 1,499 miles	20.6	19.4	20.0
1,500 to 1,999 miles	S	34.0	33.5
2,000 miles or more	18.2	28.2	28.3
SCTG 07, Other prepared foodstuffs and fats and oils	**5.1**	**7.7**	**10.5**
Less than 50 miles	5.2	11.5	16.6
50 to 99 miles	12.7	14.5	14.2
100 to 249 miles	8.9	10.7	11.7
250 to 499 miles	15.2	11.5	11.2
500 to 749 miles	14.5	20.4	21.5
750 to 999 miles	14.7	19.8	18.8
1,000 to 1,499 miles	14.1	14.5	14.5
1,500 to 1,999 miles	18.1	22.9	24.5
2,000 miles or more	14.5	13.3	13.3

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**10.6**	**12.2**	**26.1**
Less than 50 miles	7.7	7.4	9.4
50 to 99 miles	19.9	21.3	21.9
100 to 249 miles	28.1	27.4	27.5
250 to 499 miles	29.5	26.4	27.4
500 to 749 miles	39.9	39.0	41.3
750 to 999 miles	46.0	46.2	45.7
1,000 to 1,499 miles	43.6	43.0	42.5
1,500 to 1,999 miles	S	43.4	42.4
2,000 miles or more	40.3	35.4	38.2
SCTG 09, Tobacco products	**16.1**	**20.3**	**21.5**
Less than 50 miles	16.0	22.9	27.2
50 to 99 miles	34.1	39.3	38.9
100 to 249 miles	35.8	30.4	28.2
250 to 499 miles	30.6	S	S
500 to 749 miles	40.0	48.6	S
750 to 999 miles	30.8	33.3	32.8
1,000 to 1,499 miles	44.9	31.4	31.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	**46.6**	**32.0**	**S**
Less than 50 miles	S	33.2	33.6
50 to 99 miles	S	47.1	46.7
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	36.8	38.1	37.5
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 11, Natural sands	**32.3**	**27.0**	**28.9**
Less than 50 miles	28.0	30.5	39.0
50 to 99 miles	48.3	S	S
100 to 249 miles	S	45.6	35.7
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**11.6**	**11.6**	**18.8**
Less than 50 miles	12.1	11.2	19.0
50 to 99 miles	21.3	34.0	32.0
100 to 249 miles	27.0	28.3	27.9
250 to 499 miles	38.6	S	45.4
500 to 749 miles	S	S	S
750 to 999 miles	–	–	–
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**23.8**	**23.3**	**25.6**
Less than 50 miles	27.0	29.7	39.5
50 to 99 miles	24.7	42.1	41.0
100 to 249 miles	35.0	31.0	30.5
250 to 499 miles	S	S	S
500 to 749 miles	29.6	49.6	48.5
750 to 999 miles	43.1	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	44.2	44.7
SCTG 14, Metallic ores and concentrates	**25.4**	**26.9**	**S**
Less than 50 miles	30.3	38.2	31.1
50 to 99 miles	47.4	S	S
100 to 249 miles	39.6	30.0	35.4
250 to 499 miles	36.7	36.2	36.7
500 to 749 miles	31.1	32.6	32.4
750 to 999 miles	41.7	41.7	41.4
1,000 to 1,499 miles	41.4	41.1	40.6
1,500 to 1,999 miles	41.5	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	**15.2**	**12.0**	**21.2**
Less than 50 miles	26.5	15.9	16.9
50 to 99 miles	22.5	25.2	26.3
100 to 249 miles	17.0	18.5	19.7
250 to 499 miles	20.0	19.7	25.3
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	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 Division: 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	**13.1**	**14.1**	**S**
Less than 50 miles	13.6	14.4	13.0
50 to 99 miles	19.9	18.5	18.1
100 to 249 miles	32.5	33.6	35.6
250 to 499 miles	41.3	40.8	41.9
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**14.4**	**16.0**	**24.9**
Less than 50 miles	14.7	14.9	14.1
50 to 99 miles	36.9	40.1	46.8
100 to 249 miles	47.4	S	43.8
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**14.9**	**19.0**	**16.7**
Less than 50 miles	22.9	22.4	26.0
50 to 99 miles	21.3	23.8	24.4
100 to 249 miles	22.3	22.9	24.8
250 to 499 miles	38.8	41.9	41.7
500 to 749 miles	28.3	41.3	41.6
750 to 999 miles	39.0	48.0	S
1,000 to 1,499 miles	48.2	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	36.2	40.1	41.0
SCTG 20, Basic chemicals	**16.6**	**19.5**	**22.7**
Less than 50 miles	22.0	24.2	30.7
50 to 99 miles	22.9	28.5	31.6
100 to 249 miles	36.4	27.6	27.3
250 to 499 miles	16.3	28.5	29.2
500 to 749 miles	15.9	20.6	20.2
750 to 999 miles	21.1	24.1	23.9
1,000 to 1,499 miles	16.0	S	48.6
1,500 to 1,999 miles	25.0	S	S
2,000 miles or more	12.6	14.0	14.2
SCTG 21, Pharmaceutical products	**9.9**	**26.1**	**9.6**
Less than 50 miles	13.9	S	37.2
50 to 99 miles	13.3	15.9	14.4
100 to 249 miles	11.9	17.0	16.7
250 to 499 miles	13.4	19.3	18.5
500 to 749 miles	13.1	15.1	15.5
750 to 999 miles	38.2	27.6	28.3
1,000 to 1,499 miles	41.7	24.6	23.7
1,500 to 1,999 miles	43.7	25.2	25.5
2,000 miles or more	27.5	16.4	16.7
SCTG 22, Fertilizers	**32.4**	**45.9**	**48.1**
Less than 50 miles	29.1	31.5	35.4
50 to 99 miles	38.8	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	44.1	S	S
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 23, Chemical products and preparations, n.e.c.	**22.2**	**7.0**	**10.0**
Less than 50 miles	8.6	12.6	12.4
50 to 99 miles	13.7	20.8	17.3
100 to 249 miles	31.4	12.4	13.0
250 to 499 miles	22.8	15.1	16.6
500 to 749 miles	46.6	11.0	11.5
750 to 999 miles	31.0	17.4	17.3
1,000 to 1,499 miles	22.1	17.6	18.0
1,500 to 1,999 miles	S	19.4	19.4
2,000 miles or more	34.8	24.7	21.7
SCTG 24, Plastics and rubber	**4.8**	**9.4**	**15.2**
Less than 50 miles	9.3	20.4	15.7
50 to 99 miles	7.1	12.6	11.9
100 to 249 miles	5.1	8.9	10.2
250 to 499 miles	8.7	14.2	13.4
500 to 749 miles	11.8	22.4	22.0
750 to 999 miles	9.0	15.4	15.2
1,000 to 1,499 miles	12.3	30.3	35.7
1,500 to 1,999 miles	14.4	22.8	22.7
2,000 miles or more	11.4	27.7	31.2

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**39.9**	**27.5**	**19.1**
Less than 50 miles	26.1	33.0	39.3
50 to 99 miles	35.2	S	46.4
100 to 249 miles	S	32.8	29.9
250 to 499 miles	40.1	42.2	39.2
500 to 749 miles	S	48.9	S
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 26, Wood products	**7.6**	**8.6**	**20.7**
Less than 50 miles	10.4	10.7	10.6
50 to 99 miles	7.3	10.9	11.1
100 to 249 miles	10.3	12.7	12.7
250 to 499 miles	13.1	21.2	24.0
500 to 749 miles	42.2	S	S
750 to 999 miles	25.6	38.1	36.8
1,000 to 1,499 miles	28.7	47.8	46.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	18.0	34.4	33.8
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.9**	**13.8**	**11.2**
Less than 50 miles	10.4	23.0	26.1
50 to 99 miles	16.9	14.0	14.2
100 to 249 miles	15.8	16.7	14.7
250 to 499 miles	11.5	16.4	16.7
500 to 749 miles	9.8	12.3	12.5
750 to 999 miles	13.2	19.6	20.4
1,000 to 1,499 miles	15.7	16.3	17.4
1,500 to 1,999 miles	33.1	24.7	25.0
2,000 miles or more	13.2	19.6	20.0
SCTG 28, Paper or paperboard articles	**9.5**	**8.0**	**16.1**
Less than 50 miles	9.7	11.1	13.6
50 to 99 miles	12.7	15.4	16.6
100 to 249 miles	13.5	13.1	13.9
250 to 499 miles	21.5	18.1	18.3
500 to 749 miles	39.0	39.1	39.0
750 to 999 miles	26.6	25.2	24.5
1,000 to 1,499 miles	17.3	24.5	25.4
1,500 to 1,999 miles	35.9	S	S
2,000 miles or more	19.5	33.8	31.8
SCTG 29, Printed products	**38.8**	**12.7**	**24.6**
Less than 50 miles	15.7	15.6	21.1
50 to 99 miles	47.4	22.8	24.1
100 to 249 miles	S	29.8	32.6
250 to 499 miles	44.2	16.6	17.7
500 to 749 miles	44.0	37.0	38.5
750 to 999 miles	38.2	26.2	26.0
1,000 to 1,499 miles	36.7	19.9	20.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	37.7	36.9
SCTG 30, Textiles, leather, and articles of textiles or leather	**9.9**	**11.3**	**13.0**
Less than 50 miles	8.2	13.3	11.7
50 to 99 miles	15.1	13.7	14.4
100 to 249 miles	8.5	12.2	11.4
250 to 499 miles	11.0	13.0	13.4
500 to 749 miles	11.9	14.0	14.0
750 to 999 miles	37.6	36.4	35.3
1,000 to 1,499 miles	16.3	24.5	25.7
1,500 to 1,999 miles	20.3	14.5	14.6
2,000 miles or more	14.2	13.2	13.4
SCTG 31, Nonmetallic mineral products	**6.5**	**23.2**	**8.5**
Less than 50 miles	13.8	31.1	24.3
50 to 99 miles	9.1	11.0	10.1
100 to 249 miles	8.6	9.4	8.2
250 to 499 miles	7.9	10.0	9.9
500 to 749 miles	15.0	13.0	13.0
750 to 999 miles	22.4	19.4	19.2
1,000 to 1,499 miles	17.9	17.4	17.4
1,500 to 1,999 miles	23.2	29.5	30.5
2,000 miles or more	16.2	37.9	35.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**16.9**	**13.0**	**11.4**
Less than 50 miles	10.2	32.4	15.5
50 to 99 miles	13.7	11.9	12.2
100 to 249 miles	13.4	12.7	15.7
250 to 499 miles	33.0	14.0	14.5
500 to 749 miles	24.3	14.4	15.8
750 to 999 miles	19.6	16.1	16.2
1,000 to 1,499 miles	13.1	15.7	17.3
1,500 to 1,999 miles	26.5	25.3	24.9
2,000 miles or more	32.9	20.0	20.1

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**5.6**	**12.2**	**10.9**
Less than 50 miles	7.1	15.7	19.5
50 to 99 miles	11.4	24.8	24.2
100 to 249 miles	12.3	24.3	29.9
250 to 499 miles	8.7	17.7	17.6
500 to 749 miles	10.3	11.2	12.6
750 to 999 miles	12.2	13.6	15.5
1,000 to 1,499 miles	11.0	17.5	19.8
1,500 to 1,999 miles	30.7	S	S
2,000 miles or more	20.7	17.8	17.8
SCTG 34, Machinery	**5.6**	**8.1**	**9.5**
Less than 50 miles	5.4	15.9	16.9
50 to 99 miles	14.4	15.6	15.4
100 to 249 miles	10.1	12.4	13.6
250 to 499 miles	10.9	14.4	13.9
500 to 749 miles	9.0	11.4	11.8
750 to 999 miles	19.9	19.2	18.9
1,000 to 1,499 miles	11.1	14.8	14.3
1,500 to 1,999 miles	19.8	20.6	20.0
2,000 miles or more	12.8	14.1	14.6
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.2**	**5.2**	**6.7**
Less than 50 miles	10.2	8.3	13.9
50 to 99 miles	40.4	15.5	15.9
100 to 249 miles	9.1	9.3	8.3
250 to 499 miles	11.1	19.0	18.7
500 to 749 miles	23.2	17.4	17.1
750 to 999 miles	9.9	21.8	21.5
1,000 to 1,499 miles	16.5	13.3	12.6
1,500 to 1,999 miles	14.8	22.9	23.5
2,000 miles or more	11.7	13.0	13.1
SCTG 36, Motorized and other vehicles (including parts)	**8.8**	**9.3**	**11.4**
Less than 50 miles	13.6	14.1	20.1
50 to 99 miles	17.4	17.9	17.3
100 to 249 miles	11.7	9.7	9.7
250 to 499 miles	16.3	13.9	15.6
500 to 749 miles	22.0	26.3	24.9
750 to 999 miles	15.1	17.4	17.7
1,000 to 1,499 miles	20.9	32.4	32.2
1,500 to 1,999 miles	28.7	29.0	28.8
2,000 miles or more	19.0	15.9	15.9
SCTG 37, Transportation equipment, n.e.c.	**14.9**	**27.5**	**43.2**
Less than 50 miles	27.8	31.0	31.4
50 to 99 miles	26.4	23.2	23.1
100 to 249 miles	21.5	25.7	25.9
250 to 499 miles	31.2	S	S
500 to 749 miles	37.7	S	S
750 to 999 miles	19.1	30.9	31.5
1,000 to 1,499 miles	32.5	36.5	38.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	22.6	S	S
SCTG 38, Precision instruments and apparatus	**10.5**	**15.4**	**18.6**
Less than 50 miles	13.6	18.6	24.0
50 to 99 miles	16.6	38.2	36.9
100 to 249 miles	14.1	17.2	15.9
250 to 499 miles	21.8	24.9	22.2
500 to 749 miles	15.7	15.2	15.2
750 to 999 miles	19.2	26.1	26.8
1,000 to 1,499 miles	15.1	20.3	19.5
1,500 to 1,999 miles	21.5	33.1	33.2
2,000 miles or more	15.3	30.2	30.1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**10.9**	**12.1**	**14.9**
Less than 50 miles	15.6	19.5	23.2
50 to 99 miles	18.5	22.7	22.9
100 to 249 miles	13.4	15.8	12.8
250 to 499 miles	23.2	18.2	19.7
500 to 749 miles	14.5	22.2	24.3
750 to 999 miles	17.9	23.1	23.7
1,000 to 1,499 miles	21.8	22.0	22.0
1,500 to 1,999 miles	29.0	36.5	36.2
2,000 miles or more	19.5	23.7	23.9
SCTG 40, Miscellaneous manufactured products	**8.1**	**S**	**11.7**
Less than 50 miles	13.4	S	27.4
50 to 99 miles	30.4	47.5	43.1
100 to 249 miles	11.3	20.5	18.6
250 to 499 miles	9.4	17.0	16.8
500 to 749 miles	8.6	16.1	16.9
750 to 999 miles	12.1	16.1	15.5
1,000 to 1,499 miles	8.3	15.7	16.2
1,500 to 1,999 miles	29.7	19.2	18.5
2,000 miles or more	7.8	20.2	20.0

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the Division: 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	**16.2**	**18.4**	**42.0**
Less than 50 miles	24.6	23.7	34.2
50 to 99 miles	20.8	13.3	14.1
100 to 249 miles	17.8	16.6	16.8
250 to 499 miles	22.2	32.6	33.8
500 to 749 miles	37.8	S	S
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 43, Mixed freight	**14.0**	**13.2**	**16.6**
Less than 50 miles	15.8	15.6	13.8
50 to 99 miles	21.0	17.0	16.3
100 to 249 miles	12.2	12.9	13.5
250 to 499 miles	17.8	28.2	29.0
500 to 749 miles	47.5	39.1	41.3
750 to 999 miles	S	40.0	39.0
1,000 to 1,499 miles	30.4	39.8	39.6
1,500 to 1,999 miles	39.7	S	S
2,000 miles or more	S	47.5	45.9
Commodity unknown	**24.2**	**24.5**	**31.6**
Less than 50 miles	46.0	37.5	S
50 to 99 miles	21.8	45.5	38.7
100 to 249 miles	24.7	22.1	24.9
250 to 499 miles	18.7	21.7	22.1
500 to 749 miles	41.4	43.1	42.0
750 to 999 miles	25.9	29.7	30.8
1,000 to 1,499 miles	29.5	25.8	26.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	30.4	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 Division: 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	**4.3**	**5.7**	**5.2**
Less than 50 lb	6.5	8.8	10.5
50 to 99 lb	5.6	6.9	11.9
100 to 499 lb	7.8	6.7	11.7
500 to 749 lb	5.7	6.6	13.3
750 to 999 lb	12.9	5.9	25.8
1,000 to 9,999 lb	9.6	3.0	4.4
10,000 to 49,999 lb	4.3	7.9	3.7
50,000 to 99,999 lb	6.3	9.5	6.9
100,000 lb or more	12.3	13.8	15.4
SCTG 01, Live animals and live fish	**25.3**	**29.6**	**33.4**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	48.2
500 to 749 lb	S	S	48.9
750 to 999 lb	48.8	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	24.2	26.3	32.8
50,000 to 99,999 lb	38.8	39.5	41.6
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**32.0**	**21.1**	**37.3**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	47.6
100 to 499 lb	S	S	46.2
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.9	S	S
10,000 to 49,999 lb	44.2	26.0	S
50,000 to 99,999 lb	34.5	35.8	30.2
100,000 lb or more	48.2	S	S
SCTG 03, Other agricultural products	**27.6**	**32.7**	**25.0**
Less than 50 lb	23.1	22.9	S
50 to 99 lb	16.5	25.3	S
100 to 499 lb	34.2	33.3	31.2
500 to 749 lb	35.8	38.7	34.2
750 to 999 lb	37.0	32.7	30.0
1,000 to 9,999 lb	35.6	S	46.7
10,000 to 49,999 lb	33.2	33.6	27.8
50,000 to 99,999 lb	38.0	47.2	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17.3**	**21.9**	**14.2**
Less than 50 lb	45.0	39.9	47.7
50 to 99 lb	S	34.1	S
100 to 499 lb	37.2	32.6	49.9
500 to 749 lb	34.7	34.7	S
750 to 999 lb	43.1	45.6	S
1,000 to 9,999 lb	36.1	30.2	27.1
10,000 to 49,999 lb	18.0	22.5	16.6
50,000 to 99,999 lb	S	S	19.5
100,000 lb or more	47.0	49.7	S
SCTG 05, Meat, fish, seafood, and their preparations	**12.0**	**11.5**	**24.2**
Less than 50 lb	36.4	32.8	25.7
50 to 99 lb	30.4	26.9	24.0
100 to 499 lb	17.2	16.6	14.5
500 to 749 lb	17.7	16.3	45.1
750 to 999 lb	18.3	19.5	20.7
1,000 to 9,999 lb	13.4	13.9	15.7
10,000 to 49,999 lb	16.1	15.2	28.4
50,000 to 99,999 lb	40.5	S	47.4
100,000 lb or more	47.5	45.7	S
SCTG 06, Milled grain products and preparations, and bakery products	**8.1**	**8.0**	**12.3**
Less than 50 lb	36.9	36.8	29.7
50 to 99 lb	24.8	25.4	43.8
100 to 499 lb	23.6	25.6	45.0
500 to 749 lb	20.9	21.4	24.5
750 to 999 lb	18.3	24.6	34.4
1,000 to 9,999 lb	13.7	15.9	16.8
10,000 to 49,999 lb	11.6	11.3	13.4
50,000 to 99,999 lb	49.7	19.8	19.9
100,000 lb or more	43.5	29.2	S
SCTG 07, Other prepared foodstuffs and fats and oils	**5.1**	**7.7**	**10.5**
Less than 50 lb	33.6	38.0	36.7
50 to 99 lb	22.3	33.0	25.4
100 to 499 lb	15.4	27.2	18.0
500 to 749 lb	18.1	18.5	17.7
750 to 999 lb	11.5	12.5	21.0
1,000 to 9,999 lb	6.7	8.0	9.9
10,000 to 49,999 lb	6.9	8.4	11.8
50,000 to 99,999 lb	26.1	34.2	24.9
100,000 lb or more	38.8	S	42.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**10.6**	**12.2**	**26.1**
Less than 50 lb	33.1	S	S
50 to 99 lb	31.1	17.3	43.9
100 to 499 lb	18.5	14.5	15.2
500 to 749 lb	21.0	20.4	25.0
750 to 999 lb	12.6	14.1	12.7
1,000 to 9,999 lb	9.0	11.7	15.3
10,000 to 49,999 lb	20.6	18.8	28.6
50,000 to 99,999 lb	32.3	30.3	44.5
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**16.1**	**20.3**	**21.5**
Less than 50 lb	18.3	16.3	21.4
50 to 99 lb	12.5	11.4	24.1
100 to 499 lb	12.9	10.7	23.5
500 to 749 lb	23.4	21.4	40.9
750 to 999 lb	34.6	30.7	45.6
1,000 to 9,999 lb	34.9	44.1	33.3
10,000 to 49,999 lb	48.9	41.5	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**46.6**	**32.0**	**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
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	46.1	35.0	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 11, Natural sands	**32.3**	**27.0**	**28.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	48.7	40.7	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	49.3	32.6	S
10,000 to 49,999 lb	43.0	26.4	34.3
50,000 to 99,999 lb	44.7	S	45.8
100,000 lb or more	33.6	39.6	37.6
SCTG 12, Gravel and crushed stone	**11.6**	**11.6**	**18.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	43.7	36.8	S
500 to 749 lb	S	36.7	S
750 to 999 lb	40.5	38.0	S
1,000 to 9,999 lb	17.3	24.7	32.4
10,000 to 49,999 lb	14.4	18.2	29.2
50,000 to 99,999 lb	13.7	14.0	16.1
100,000 lb or more	30.2	25.4	18.5
SCTG 13, Nonmetallic minerals n.e.c.	**23.8**	**23.3**	**25.6**
Less than 50 lb	41.1	32.6	42.0
50 to 99 lb	S	S	S
100 to 499 lb	31.2	42.7	28.1
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39.1	22.4	29.7
10,000 to 49,999 lb	36.3	26.2	30.8
50,000 to 99,999 lb	36.0	29.3	36.8
100,000 lb or more	41.6	49.3	40.9
SCTG 14, Metallic ores and concentrates	**25.4**	**26.9**	**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
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.0	S
10,000 to 49,999 lb	23.5	21.2	S
50,000 to 99,999 lb	28.6	38.5	S
100,000 lb or more	47.0	41.3	43.0
SCTG 15, Coal	**15.2**	**12.0**	**21.2**
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	40.3	23.2	27.7
10,000 to 49,999 lb	39.4	21.1	17.0
50,000 to 99,999 lb	32.6	33.6	20.8
100,000 lb or more	16.4	17.6	23.2

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**13.1**	**14.1**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	33.2
500 to 749 lb	S	S	S
750 to 999 lb	25.2	26.8	27.9
1,000 to 9,999 lb	16.3	17.8	22.8
10,000 to 49,999 lb	15.0	13.3	20.2
50,000 to 99,999 lb	13.3	11.5	13.5
100,000 lb or more	31.4	31.5	S
SCTG 18, Fuel oils	**14.4**	**16.0**	**24.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	32.4	26.7	33.2
750 to 999 lb	28.2	26.0	29.9
1,000 to 9,999 lb	18.4	17.7	17.6
10,000 to 49,999 lb	28.3	30.4	S
50,000 to 99,999 lb	16.8	19.0	18.4
100,000 lb or more	36.7	41.4	49.5
SCTG 19, Coal and petroleum products, n.e.c.	**14.9**	**19.0**	**16.7**
Less than 50 lb	20.8	21.7	28.5
50 to 99 lb	S	27.2	S
100 to 499 lb	17.2	20.6	22.5
500 to 749 lb	23.9	23.0	25.8
750 to 999 lb	21.5	19.1	26.3
1,000 to 9,999 lb	18.8	17.6	20.1
10,000 to 49,999 lb	20.0	24.5	20.1
50,000 to 99,999 lb	22.1	35.4	28.4
100,000 lb or more	35.1	33.5	25.4
SCTG 20, Basic chemicals	**16.6**	**19.5**	**22.7**
Less than 50 lb	25.0	47.4	35.4
50 to 99 lb	40.5	43.4	29.0
100 to 499 lb	34.9	27.3	29.5
500 to 749 lb	16.7	28.3	22.5
750 to 999 lb	21.6	23.8	26.0
1,000 to 9,999 lb	26.5	25.7	20.1
10,000 to 49,999 lb	17.0	25.3	19.3
50,000 to 99,999 lb	22.9	S	27.0
100,000 lb or more	30.1	30.7	39.1
SCTG 21, Pharmaceutical products	**9.9**	**26.1**	**9.6**
Less than 50 lb	18.9	15.5	27.4
50 to 99 lb	20.1	20.9	45.9
100 to 499 lb	14.5	15.2	25.1
500 to 749 lb	31.3	25.3	43.9
750 to 999 lb	S	17.1	24.4
1,000 to 9,999 lb	15.5	23.1	33.2
10,000 to 49,999 lb	21.2	49.2	16.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**32.4**	**45.9**	**48.1**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	14.6	29.9	S
500 to 749 lb	39.0	46.1	44.1
750 to 999 lb	44.2	S	S
1,000 to 9,999 lb	36.3	37.3	36.3
10,000 to 49,999 lb	47.5	S	S
50,000 to 99,999 lb	S	47.0	S
100,000 lb or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**22.2**	**7.0**	**10.0**
Less than 50 lb	16.9	10.2	14.2
50 to 99 lb	23.6	19.1	22.3
100 to 499 lb	36.3	11.3	19.5
500 to 749 lb	38.1	20.7	19.6
750 to 999 lb	27.9	18.8	20.9
1,000 to 9,999 lb	34.0	12.1	20.6
10,000 to 49,999 lb	6.1	9.9	11.1
50,000 to 99,999 lb	38.2	38.1	33.4
100,000 lb or more	44.9	34.6	35.1
SCTG 24, Plastics and rubber	**4.8**	**9.4**	**15.2**
Less than 50 lb	10.9	7.0	13.3
50 to 99 lb	11.2	10.1	19.2
100 to 499 lb	8.8	9.7	16.6
500 to 749 lb	10.4	9.9	15.3
750 to 999 lb	9.6	9.7	13.8
1,000 to 9,999 lb	8.3	11.1	13.0
10,000 to 49,999 lb	8.6	11.8	14.4
50,000 to 99,999 lb	23.8	26.4	38.7
100,000 lb or more	41.3	48.8	47.5

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**39.9**	**27.5**	**19.1**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	38.1	S
500 to 749 lb	49.6	S	46.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.3	S
10,000 to 49,999 lb	36.0	34.0	29.0
50,000 to 99,999 lb	30.1	48.0	46.4
100,000 lb or more	27.3	43.9	31.2
SCTG 26, Wood products	**7.6**	**8.6**	**20.7**
Less than 50 lb	45.8	34.3	S
50 to 99 lb	29.5	26.1	39.4
100 to 499 lb	20.8	15.4	26.1
500 to 749 lb	22.6	19.5	24.1
750 to 999 lb	18.6	12.9	32.6
1,000 to 9,999 lb	12.0	12.0	10.1
10,000 to 49,999 lb	8.2	10.8	11.2
50,000 to 99,999 lb	17.0	27.8	23.4
100,000 lb or more	32.8	35.8	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.9**	**13.8**	**11.2**
Less than 50 lb	35.1	45.2	33.0
50 to 99 lb	20.8	18.3	28.4
100 to 499 lb	13.4	13.1	14.2
500 to 749 lb	16.6	15.0	14.9
750 to 999 lb	23.6	27.8	23.4
1,000 to 9,999 lb	12.5	10.8	16.7
10,000 to 49,999 lb	11.1	14.8	11.8
50,000 to 99,999 lb	33.1	S	35.4
100,000 lb or more	22.7	23.4	30.3
SCTG 28, Paper or paperboard articles	**9.5**	**8.0**	**16.1**
Less than 50 lb	20.8	22.1	32.2
50 to 99 lb	24.5	21.4	17.2
100 to 499 lb	13.1	14.0	22.2
500 to 749 lb	17.4	19.2	22.4
750 to 999 lb	22.1	21.0	20.7
1,000 to 9,999 lb	9.2	9.0	10.6
10,000 to 49,999 lb	13.3	10.7	17.8
50,000 to 99,999 lb	31.5	39.8	43.3
100,000 lb or more	S	42.3	S
SCTG 29, Printed products	**38.8**	**12.7**	**24.6**
Less than 50 lb	23.2	26.3	29.4
50 to 99 lb	32.4	19.9	46.4
100 to 499 lb	47.2	25.6	S
500 to 749 lb	37.3	29.2	S
750 to 999 lb	S	43.4	S
1,000 to 9,999 lb	S	23.9	33.2
10,000 to 49,999 lb	17.3	15.1	24.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	46.5
SCTG 30, Textiles, leather, and articles of textiles or leather	**9.9**	**11.3**	**13.0**
Less than 50 lb	14.2	19.2	23.1
50 to 99 lb	27.6	29.5	40.6
100 to 499 lb	21.2	25.0	33.6
500 to 749 lb	10.4	22.1	15.9
750 to 999 lb	17.6	13.6	15.7
1,000 to 9,999 lb	9.9	10.8	17.0
10,000 to 49,999 lb	10.1	17.3	15.3
50,000 to 99,999 lb	45.2	S	S
100,000 lb or more	45.6	37.9	S
SCTG 31, Nonmetallic mineral products	**6.5**	**23.2**	**8.5**
Less than 50 lb	30.5	19.8	S
50 to 99 lb	15.8	15.9	22.1
100 to 499 lb	11.9	12.4	18.6
500 to 749 lb	14.4	13.8	19.6
750 to 999 lb	19.7	20.9	46.3
1,000 to 9,999 lb	15.1	11.8	15.5
10,000 to 49,999 lb	9.4	20.0	9.4
50,000 to 99,999 lb	9.9	27.1	13.7
100,000 lb or more	34.4	S	26.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**16.9**	**13.0**	**11.4**
Less than 50 lb	23.0	19.8	46.1
50 to 99 lb	12.8	14.7	13.8
100 to 499 lb	15.2	15.6	22.1
500 to 749 lb	10.0	11.8	15.2
750 to 999 lb	13.5	16.7	20.2
1,000 to 9,999 lb	11.4	9.2	10.8
10,000 to 49,999 lb	22.7	16.3	10.1
50,000 to 99,999 lb	21.2	17.0	20.7
100,000 lb or more	29.0	22.4	27.6

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**5.6**	**12.2**	**10.9**
Less than 50 lb	10.9	11.7	43.4
50 to 99 lb	10.1	5.5	13.8
100 to 499 lb	8.5	8.0	10.5
500 to 749 lb	14.8	13.2	14.6
750 to 999 lb	13.3	10.3	14.8
1,000 to 9,999 lb	10.7	15.1	15.6
10,000 to 49,999 lb	9.1	14.6	11.2
50,000 to 99,999 lb	26.2	21.8	33.9
100,000 lb or more	45.8	36.0	39.7
SCTG 34, Machinery	**5.6**	**8.1**	**9.5**
Less than 50 lb	5.9	9.2	13.2
50 to 99 lb	7.7	19.9	12.3
100 to 499 lb	7.5	10.1	11.1
500 to 749 lb	25.0	17.8	28.0
750 to 999 lb	13.1	15.8	18.1
1,000 to 9,999 lb	10.9	9.1	11.3
10,000 to 49,999 lb	10.5	13.6	12.9
50,000 to 99,999 lb	30.7	29.0	35.1
100,000 lb or more	29.7	33.0	43.7
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.2**	**5.2**	**6.7**
Less than 50 lb	13.9	10.5	10.7
50 to 99 lb	13.5	12.6	14.7
100 to 499 lb	10.6	5.1	10.5
500 to 749 lb	18.3	11.6	12.9
750 to 999 lb	21.9	12.6	19.1
1,000 to 9,999 lb	10.7	10.1	12.2
10,000 to 49,999 lb	22.3	7.7	11.0
50,000 to 99,999 lb	S	48.8	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**8.8**	**9.3**	**11.4**
Less than 50 lb	14.5	13.3	33.0
50 to 99 lb	19.5	25.1	23.5
100 to 499 lb	22.9	16.0	34.9
500 to 749 lb	21.7	15.8	18.0
750 to 999 lb	25.5	17.0	48.0
1,000 to 9,999 lb	14.2	15.5	13.9
10,000 to 49,999 lb	13.6	13.7	17.3
50,000 to 99,999 lb	33.1	25.7	29.6
100,000 lb or more	S	37.5	45.5
SCTG 37, Transportation equipment, n.e.c.	**14.9**	**27.5**	**43.2**
Less than 50 lb	20.8	26.9	41.0
50 to 99 lb	29.4	41.6	39.3
100 to 499 lb	25.1	30.6	30.7
500 to 749 lb	S	34.8	36.4
750 to 999 lb	S	32.7	39.3
1,000 to 9,999 lb	30.4	34.5	44.6
10,000 to 49,999 lb	22.8	35.0	S
50,000 to 99,999 lb	37.1	42.4	47.8
100,000 lb or more	S	S	44.6
SCTG 38, Precision instruments and apparatus	**10.5**	**15.4**	**18.6**
Less than 50 lb	12.5	15.0	12.2
50 to 99 lb	19.6	12.4	15.8
100 to 499 lb	14.4	29.1	43.1
500 to 749 lb	24.8	35.9	32.7
750 to 999 lb	34.0	32.7	25.2
1,000 to 9,999 lb	14.8	23.0	47.0
10,000 to 49,999 lb	29.5	34.8	32.7
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**10.9**	**12.1**	**14.9**
Less than 50 lb	26.7	24.8	23.2
50 to 99 lb	22.9	16.2	25.8
100 to 499 lb	13.3	16.8	18.0
500 to 749 lb	18.1	16.3	21.2
750 to 999 lb	17.8	21.9	13.9
1,000 to 9,999 lb	13.8	16.3	19.5
10,000 to 49,999 lb	21.9	20.8	21.3
50,000 to 99,999 lb	S	49.6	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**8.1**	**S**	**11.7**
Less than 50 lb	9.0	23.3	28.5
50 to 99 lb	11.6	12.8	19.2
100 to 499 lb	9.4	8.1	13.3
500 to 749 lb	9.4	7.9	11.4
750 to 999 lb	13.9	11.8	18.1
1,000 to 9,999 lb	8.9	8.4	12.2
10,000 to 49,999 lb	36.0	31.0	19.7
50,000 to 99,999 lb	28.8	27.2	33.1
100,000 lb or more	S	S	41.0

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the Division: 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	**16.2**	**18.4**	**42.0**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	38.5	S	37.2
500 to 749 lb	S	S	44.7
750 to 999 lb	48.8	S	S
1,000 to 9,999 lb	28.4	36.0	22.6
10,000 to 49,999 lb	16.0	17.5	15.3
50,000 to 99,999 lb	22.6	21.1	47.1
100,000 lb or more	30.4	33.1	S
SCTG 43, Mixed freight	**14.0**	**13.2**	**16.6**
Less than 50 lb	21.2	22.6	34.3
50 to 99 lb	21.6	23.4	32.9
100 to 499 lb	18.9	25.2	22.5
500 to 749 lb	26.8	38.0	21.5
750 to 999 lb	27.8	26.6	24.4
1,000 to 9,999 lb	12.6	15.3	16.4
10,000 to 49,999 lb	21.9	16.6	19.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**24.2**	**24.5**	**31.6**
Less than 50 lb	21.8	22.4	26.7
50 to 99 lb	35.5	19.1	34.6
100 to 499 lb	S	23.1	41.6
500 to 749 lb	27.2	27.8	33.0
750 to 999 lb	29.5	37.1	39.3
1,000 to 9,999 lb	29.9	26.7	S
10,000 to 49,999 lb	24.5	31.3	37.2
50,000 to 99,999 lb	S	44.0	S
100,000 lb or more	S	S	S

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

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

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**4.3**	**5.7**	**5.2**	**5.9**	**2.3**	**8.2**	**9.8**	**6.8**	**6.0**	**6.2**
Less than 50 lb	6.5	8.8	10.5	5.8	5.5	12.6	15.7	28.5	6.3	6.5
50 to 99 lb	5.6	6.9	11.9	6.1	6.2	7.8	7.0	12.1	8.3	8.8
100 to 499 lb	7.8	6.7	11.7	7.7	4.8	8.9	7.9	18.0	9.9	10.5
500 to 749 lb	5.7	6.6	13.3	9.2	5.7	8.1	8.7	9.7	10.7	9.8
750 to 999 lb	12.9	5.9	25.8	17.7	10.1	6.9	6.1	8.2	5.7	5.9
1,000 to 9,999 lb	9.6	3.0	4.4	6.8	3.2	4.2	4.5	9.1	8.0	7.6
10,000 to 49,999 lb	4.3	7.9	3.7	5.4	5.8	10.6	14.7	10.5	11.0	10.4
50,000 to 99,999 lb	6.3	9.5	6.9	7.7	7.4	11.0	13.9	13.4	9.9	10.5
100,000 lb or more	12.3	13.8	15.4	23.0	16.8	19.3	17.0	25.0	20.9	21.3
SCTG 01, Live animals and live fish	**25.3**	**29.6**	**33.4**	**S**	**S**	**S**	**38.5**	**36.6**	**38.0**	**37.0**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	48.2	39.9	S	S	S	S	S	S
500 to 749 lb	S	S	48.9	32.4	S	S	S	S	S	S
750 to 999 lb	48.8	S	S	20.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	28.3	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	26.3	32.8	16.9	33.1	33.1	37.3	48.8	S	49.6
50,000 to 99,999 lb	38.8	39.5	41.6	18.2	S	S	S	–	–	–
100,000 lb or more	S	S	S	21.1	S	S	S	–	–	–
SCTG 02, Cereal grains	**32.0**	**21.1**	**37.3**	**S**	**20.0**	**25.4**	**29.6**	**35.4**	**41.2**	**40.6**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	47.6	31.9	S	S	S	S	S	S
100 to 499 lb	S	S	46.2	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	20.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.1	S	S	S	–	–	–
1,000 to 9,999 lb	44.9	S	S	40.1	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	26.0	S	27.0	28.7	29.6	30.1	44.2	45.4	44.0
50,000 to 99,999 lb	34.5	35.8	30.2	42.1	39.1	37.7	38.1	35.0	36.2	36.4
100,000 lb or more	48.2	S	S	33.6	S	S	S	S	S	S
SCTG 03, Other agricultural products	**27.6**	**32.7**	**25.0**	**S**	**27.2**	**32.5**	**38.8**	**S**	**S**	**S**
Less than 50 lb	23.1	22.9	S	32.0	22.4	26.9	21.7	31.9	24.5	24.0
50 to 99 lb	16.5	25.3	S	S	20.0	29.0	28.1	31.5	33.9	30.0
100 to 499 lb	34.2	33.3	31.2	S	39.7	35.9	34.0	S	S	S
500 to 749 lb	35.8	38.7	34.2	S	37.0	37.4	29.0	S	S	S
750 to 999 lb	37.0	32.7	30.0	S	44.5	37.8	43.0	39.4	46.3	45.1
1,000 to 9,999 lb	35.6	S	46.7	32.7	38.9	49.8	S	S	S	S
10,000 to 49,999 lb	33.2	33.6	27.8	44.4	37.6	35.4	43.2	S	S	S
50,000 to 99,999 lb	38.0	47.2	S	27.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	43.7	–	–	–	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17.3**	**21.9**	**14.2**	**32.7**	**25.9**	**30.7**	**34.9**	**27.7**	**23.5**	**23.6**
Less than 50 lb	45.0	39.9	47.7	19.9	S	S	46.1	S	S	S
50 to 99 lb	S	34.1	S	44.3	37.5	39.1	31.8	S	S	S
100 to 499 lb	37.2	32.6	49.9	S	41.4	36.9	33.8	S	S	S
500 to 749 lb	34.7	34.7	S	41.4	34.3	42.5	46.7	S	S	S
750 to 999 lb	43.1	45.6	S	44.3	46.1	S	43.1	S	42.5	44.4
1,000 to 9,999 lb	36.1	30.2	27.1	37.6	31.5	36.0	44.8	S	38.5	39.9
10,000 to 49,999 lb	18.0	22.5	16.6	S	29.8	32.6	36.2	22.6	24.0	23.9
50,000 to 99,999 lb	S	S	19.5	S	S	S	29.7	42.8	35.6	38.4
100,000 lb or more	47.0	49.7	S	39.3	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**12.0**	**11.5**	**24.2**	**34.6**	**13.7**	**14.6**	**14.7**	**15.3**	**12.8**	**12.5**
Less than 50 lb	36.4	32.8	25.7	S	38.1	34.7	31.5	34.8	36.2	34.1
50 to 99 lb	30.4	26.9	24.0	29.6	32.9	28.6	30.9	25.9	24.9	26.0
100 to 499 lb	17.2	16.6	14.5	14.7	18.4	17.9	21.0	24.6	23.3	22.5
500 to 749 lb	17.7	16.3	45.1	26.4	18.9	18.2	18.2	17.7	17.9	17.6
750 to 999 lb	18.3	19.5	20.7	21.6	20.6	21.8	26.4	21.0	22.6	22.8
1,000 to 9,999 lb	13.4	13.9	15.7	20.0	18.1	19.2	16.9	22.5	17.6	17.0
10,000 to 49,999 lb	16.1	15.2	28.4	14.4	22.0	22.7	24.0	26.2	26.0	23.9
50,000 to 99,999 lb	40.5	S	47.4	22.5	S	S	S	S	S	S
100,000 lb or more	47.5	45.7	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**8.1**	**8.0**	**12.3**	**S**	**14.2**	**12.6**	**13.9**	**21.2**	**18.8**	**19.4**
Less than 50 lb	36.9	36.8	29.7	S	39.1	38.8	29.4	40.3	32.2	30.9
50 to 99 lb	24.8	25.4	43.8	S	26.0	25.8	28.0	27.1	28.6	27.0
100 to 499 lb	23.6	25.6	45.0	47.2	26.7	27.7	29.8	22.9	24.5	25.7
500 to 749 lb	20.9	21.4	24.5	27.3	25.8	25.0	23.3	24.7	28.0	26.0
750 to 999 lb	18.3	24.6	34.4	26.4	24.3	29.5	19.7	23.2	36.2	37.8
1,000 to 9,999 lb	13.7	15.9	16.8	31.1	24.1	23.9	17.5	20.3	24.9	25.6
10,000 to 49,999 lb	11.6	11.3	13.4	8.1	17.6	17.0	20.8	29.8	25.5	26.0
50,000 to 99,999 lb	49.7	19.8	19.9	S	S	22.1	22.4	22.1	21.8	23.8
100,000 lb or more	43.5	29.2	S	27.0	S	46.0	46.8	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 Division: 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	**5.1**	**7.7**	**10.5**	**17.5**	**5.2**	**11.5**	**16.6**	**12.7**	**14.5**	**14.2**
Less than 50 lb	33.6	38.0	36.7	S	35.3	40.9	18.3	S	32.4	31.9
50 to 99 lb	22.3	33.0	25.4	18.2	22.5	34.8	30.8	31.8	19.8	21.4
100 to 499 lb	15.4	27.2	18.0	14.9	16.2	30.4	21.6	14.6	20.9	20.9
500 to 749 lb	18.1	18.5	17.7	27.3	20.2	22.4	19.3	20.6	16.7	17.1
750 to 999 lb	11.5	12.5	21.0	32.5	14.0	16.8	12.1	16.6	16.2	15.4
1,000 to 9,999 lb	6.7	8.0	9.9	22.5	5.8	9.9	10.5	15.1	20.7	20.5
10,000 to 49,999 lb	6.9	8.4	11.8	8.1	7.7	13.6	19.2	14.8	15.0	15.3
50,000 to 99,999 lb	26.1	34.2	24.9	S	43.9	S	S	S	S	S
100,000 lb or more	38.8	S	42.2	S	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	**10.6**	**12.2**	**26.1**	**12.7**	**7.7**	**7.4**	**9.4**	**19.9**	**21.3**	**21.9**
Less than 50 lb	33.1	S	S	16.7	35.6	49.7	33.7	S	41.2	41.2
50 to 99 lb	31.1	17.3	43.9	20.4	33.8	18.8	25.7	34.8	28.7	29.1
100 to 499 lb	18.5	14.5	15.2	9.7	19.2	14.8	16.5	21.8	19.6	20.2
500 to 749 lb	21.0	20.4	25.0	9.5	21.6	21.0	28.8	25.5	25.8	27.0
750 to 999 lb	12.6	14.1	12.7	12.1	13.8	14.6	15.0	28.6	24.7	23.9
1,000 to 9,999 lb	9.0	11.7	15.3	9.3	9.5	12.0	12.1	28.6	22.4	24.0
10,000 to 49,999 lb	20.6	18.8	28.6	13.5	16.3	13.8	17.6	27.6	23.8	24.3
50,000 to 99,999 lb	32.3	30.3	44.5	21.0	41.5	39.5	S	–	–	–
100,000 lb or more	S	S	S	21.8	S	S	S	–	–	–
SCTG 09, Tobacco products	**16.1**	**20.3**	**21.5**	**17.8**	**16.0**	**22.9**	**27.2**	**34.1**	**39.3**	**38.9**
Less than 50 lb	18.3	16.3	21.4	38.3	17.9	17.1	18.7	34.3	29.2	29.8
50 to 99 lb	12.5	11.4	24.1	19.5	12.4	11.7	16.3	S	45.7	42.4
100 to 499 lb	12.9	10.7	23.5	17.0	14.3	11.8	14.2	24.7	19.9	20.6
500 to 749 lb	23.4	21.4	40.9	22.6	24.4	22.5	30.4	38.3	49.0	49.6
750 to 999 lb	34.6	30.7	45.6	27.5	42.9	45.0	S	S	S	S
1,000 to 9,999 lb	34.9	44.1	33.3	S	45.9	S	S	S	48.9	48.7
10,000 to 49,999 lb	48.9	41.5	S	22.2	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**46.6**	**32.0**	**S**	**39.6**	**S**	**33.2**	**33.6**	**S**	**47.1**	**46.7**
Less than 50 lb	S	S	S	20.9	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.7	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	46.1	35.0	S	S	46.2	33.6	35.7	S	46.9	47.2
50,000 to 99,999 lb	S	S	S	34.8	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**32.3**	**27.0**	**28.9**	**21.9**	**28.0**	**30.5**	**39.0**	**48.3**	**S**	**S**
Less than 50 lb	S	S	S	23.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.4	–	–	–	–	–	–
100 to 499 lb	S	S	S	28.3	S	S	S	S	S	S
500 to 749 lb	48.7	40.7	S	21.0	S	S	46.2	S	S	S
750 to 999 lb	S	S	S	21.9	S	S	S	S	S	S
1,000 to 9,999 lb	49.3	32.6	S	21.8	42.0	31.2	49.4	S	S	S
10,000 to 49,999 lb	43.0	26.4	34.3	25.6	39.4	29.0	34.7	S	S	S
50,000 to 99,999 lb	44.7	S	45.8	18.4	S	S	S	31.0	30.6	30.4
100,000 lb or more	33.6	39.6	37.6	47.9	40.4	47.7	41.0	S	S	S
SCTG 12, Gravel and crushed stone	**11.6**	**11.6**	**18.8**	**7.1**	**12.1**	**11.2**	**19.0**	**21.3**	**34.0**	**32.0**
Less than 50 lb	S	S	S	22.6	S	S	S	–	–	–
50 to 99 lb	S	S	S	21.2	S	S	S	–	–	–
100 to 499 lb	43.7	36.8	S	S	38.9	39.5	S	S	S	S
500 to 749 lb	S	36.7	S	23.9	S	35.0	42.9	S	S	S
750 to 999 lb	40.5	38.0	S	S	45.5	42.9	48.8	S	S	S
1,000 to 9,999 lb	17.3	24.7	32.4	37.5	20.3	25.7	23.0	S	S	S
10,000 to 49,999 lb	14.4	18.2	29.2	8.0	13.9	16.8	27.8	33.6	49.3	47.6
50,000 to 99,999 lb	13.7	14.0	16.1	6.8	14.1	14.4	16.2	25.1	30.6	31.7
100,000 lb or more	30.2	25.4	18.5	S	31.3	25.9	28.3	S	43.8	45.2
SCTG 13, Nonmetallic minerals n.e.c.	**23.8**	**23.3**	**25.6**	**16.5**	**27.0**	**29.7**	**39.5**	**24.7**	**42.1**	**41.0**
Less than 50 lb	41.1	32.6	42.0	S	S	40.0	41.2	S	S	S
50 to 99 lb	S	S	S	20.4	S	S	S	S	S	S
100 to 499 lb	31.2	42.7	28.1	S	28.7	49.9	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
1,000 to 9,999 lb	39.1	22.4	29.7	48.0	31.9	30.0	24.3	41.6	38.1	38.2
10,000 to 49,999 lb	36.3	26.2	30.8	19.0	36.2	29.2	40.0	27.0	38.0	45.1
50,000 to 99,999 lb	36.0	29.3	36.8	38.5	46.8	31.2	41.4	45.7	S	S
100,000 lb or more	41.6	49.3	40.9	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 Division: 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	**25.4**	**26.9**	**S**	**13.9**	**30.3**	**38.2**	**31.1**	**47.4**	**S**	**S**
Less than 50 lb	S	S	S	22.7	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.1	S	S	S	S	S	S
100 to 499 lb	S	S	S	17.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	27.4	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.0	S	23.3	S	S	S	S	39.6	39.4
10,000 to 49,999 lb	23.5	21.2	S	16.0	S	47.5	44.7	S	38.7	38.2
50,000 to 99,999 lb	28.6	38.5	S	41.3	38.8	46.8	39.0	S	S	S
100,000 lb or more	47.0	41.3	43.0	21.3	S	S	S	–	–	–
SCTG 15, Coal	**15.2**	**12.0**	**21.2**	**27.0**	**26.5**	**15.9**	**16.9**	**22.5**	**25.2**	**26.3**
Less than 50 lb	S	S	S	22.4	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.4	–	–	–	–	–	–
100 to 499 lb	S	S	S	22.4	S	S	S	–	–	–
500 to 749 lb	S	S	S	25.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.0	S	S	S	–	–	–
1,000 to 9,999 lb	40.3	23.2	27.7	34.3	39.0	22.5	21.4	S	S	S
10,000 to 49,999 lb	39.4	21.1	17.0	30.1	48.8	25.9	19.4	23.2	18.1	17.6
50,000 to 99,999 lb	32.6	33.6	20.8	S	39.0	39.1	34.3	S	S	44.3
100,000 lb or more	16.4	17.6	23.2	35.9	22.0	24.7	26.5	29.7	31.6	31.0
SCTG 17, Gasoline and aviation turbine fuel	**13.1**	**14.1**	**S**	**10.8**	**13.6**	**14.4**	**13.0**	**19.9**	**18.5**	**18.1**
Less than 50 lb	S	S	S	21.3	S	S	S	–	–	–
50 to 99 lb	S	S	S	36.1	S	S	S	S	S	S
100 to 499 lb	S	S	33.2	S	S	S	42.4	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	49.6
750 to 999 lb	25.2	26.8	27.9	15.0	25.0	26.8	28.0	S	S	S
1,000 to 9,999 lb	16.3	17.8	22.8	21.4	17.6	20.5	21.0	26.9	37.4	38.5
10,000 to 49,999 lb	15.0	13.3	20.2	11.0	16.3	14.0	14.3	21.9	25.6	27.7
50,000 to 99,999 lb	13.3	11.5	13.5	9.8	14.0	12.0	15.8	16.7	16.4	16.3
100,000 lb or more	31.4	31.5	S	40.9	29.0	30.2	25.1	S	S	S
SCTG 18, Fuel oils	**14.4**	**16.0**	**24.9**	**15.7**	**14.7**	**14.9**	**14.1**	**36.9**	**40.1**	**46.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	17.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	31.5	S	S	S	45.0	37.3	41.0
500 to 749 lb	32.4	26.7	33.2	16.7	32.9	27.1	36.4	31.9	45.8	49.2
750 to 999 lb	28.2	26.0	29.9	14.1	28.7	26.4	31.6	S	S	S
1,000 to 9,999 lb	18.4	17.7	17.6	15.0	19.7	18.5	20.1	22.5	43.7	49.9
10,000 to 49,999 lb	28.3	30.4	S	11.9	24.7	25.9	24.0	S	S	S
50,000 to 99,999 lb	16.8	19.0	18.4	13.0	18.6	21.2	23.5	27.9	26.2	27.7
100,000 lb or more	36.7	41.4	49.5	25.2	32.2	33.9	37.7	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**14.9**	**19.0**	**16.7**	**S**	**22.9**	**22.4**	**26.0**	**21.3**	**23.8**	**24.4**
Less than 50 lb	20.8	21.7	28.5	23.8	21.1	22.5	25.5	36.6	31.1	31.2
50 to 99 lb	S	27.2	S	21.7	23.6	24.7	22.3	S	49.4	S
100 to 499 lb	17.2	20.6	22.5	40.2	20.1	21.9	23.1	38.9	31.4	34.1
500 to 749 lb	23.9	23.0	25.8	S	21.3	25.1	31.0	S	40.4	41.5
750 to 999 lb	21.5	19.1	26.3	43.2	22.9	19.6	24.1	S	S	S
1,000 to 9,999 lb	18.8	17.6	20.1	S	23.4	19.3	20.6	40.6	32.3	33.0
10,000 to 49,999 lb	20.0	24.5	20.1	32.3	26.9	27.2	30.0	27.6	27.8	27.6
50,000 to 99,999 lb	22.1	35.4	28.4	S	24.3	39.0	36.6	35.9	37.4	36.5
100,000 lb or more	35.1	33.5	25.4	19.6	49.2	41.8	42.4	S	S	S
SCTG 20, Basic chemicals	**16.6**	**19.5**	**22.7**	**15.9**	**22.0**	**24.2**	**30.7**	**22.9**	**28.5**	**31.6**
Less than 50 lb	25.0	47.4	35.4	14.1	42.1	S	S	30.5	37.4	42.3
50 to 99 lb	40.5	43.4	29.0	42.9	S	S	S	41.4	41.0	37.0
100 to 499 lb	34.9	27.3	29.5	20.4	48.0	33.6	35.9	29.9	22.0	22.2
500 to 749 lb	16.7	28.3	22.5	38.9	24.3	33.9	33.0	31.3	31.8	31.2
750 to 999 lb	21.6	23.8	26.0	32.5	25.0	30.5	42.4	47.9	29.5	33.6
1,000 to 9,999 lb	26.5	25.7	20.1	29.2	21.7	35.3	23.0	25.7	24.3	23.8
10,000 to 49,999 lb	17.0	25.3	19.3	13.7	20.9	31.4	37.8	31.3	28.6	26.6
50,000 to 99,999 lb	22.9	S	27.0	S	41.1	S	S	S	S	S
100,000 lb or more	30.1	30.7	39.1	23.2	S	48.6	S	S	S	S
SCTG 21, Pharmaceutical products	**9.9**	**26.1**	**9.6**	**8.1**	**13.9**	**S**	**37.2**	**13.3**	**15.9**	**14.4**
Less than 50 lb	18.9	15.5	27.4	8.0	18.9	20.2	21.4	20.8	17.9	18.4
50 to 99 lb	20.1	20.9	45.9	14.5	27.6	28.8	26.6	45.6	33.1	32.9
100 to 499 lb	14.5	15.2	25.1	18.3	24.6	21.2	25.2	23.9	21.4	21.5
500 to 749 lb	31.3	25.3	43.9	16.1	49.0	40.1	47.9	S	35.0	39.5
750 to 999 lb	S	17.1	24.4	22.0	S	35.4	32.8	S	S	S
1,000 to 9,999 lb	15.5	23.1	33.2	11.7	24.1	28.6	31.1	30.6	29.6	28.1
10,000 to 49,999 lb	21.2	49.2	16.1	21.5	31.2	S	S	46.0	36.6	32.8
50,000 to 99,999 lb	S	S	S	22.3	S	S	S	–	–	–
100,000 lb or more	S	S	S	21.6	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 Division: 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	**32.4**	**45.9**	**48.1**	**21.6**	**29.1**	**31.5**	**35.4**	**38.8**	**S**	**S**
Less than 50 lb	S	S	S	22.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	14.6	29.9	S	S	19.3	37.0	35.5	42.1	33.7	33.0
500 to 749 lb	39.0	46.1	44.1	S	S	S	S	45.6	38.7	41.7
750 to 999 lb	44.2	S	S	32.0	S	42.1	40.4	S	S	S
1,000 to 9,999 lb	36.3	37.3	36.3	S	44.4	S	39.3	S	S	S
10,000 to 49,999 lb	47.5	S	S	19.3	33.3	44.4	S	S	S	S
50,000 to 99,999 lb	S	47.0	S	20.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.5	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**22.2**	**7.0**	**10.0**	**10.6**	**8.6**	**12.6**	**12.4**	**13.7**	**20.8**	**17.3**
Less than 50 lb	16.9	10.2	14.2	11.5	15.3	15.7	15.5	31.7	26.7	26.5
50 to 99 lb	23.6	19.1	22.3	13.8	37.2	33.3	23.6	39.7	35.4	40.0
100 to 499 lb	36.3	11.3	19.5	15.5	18.9	17.8	16.9	38.9	18.5	19.6
500 to 749 lb	38.1	20.7	19.6	18.0	S	40.3	24.7	20.0	20.6	20.9
750 to 999 lb	27.9	18.8	20.9	14.5	31.2	23.6	31.7	23.6	22.8	25.5
1,000 to 9,999 lb	34.0	12.1	20.6	10.5	16.1	15.4	16.6	32.9	15.9	15.7
10,000 to 49,999 lb	6.1	9.9	11.1	7.1	15.5	16.6	17.0	17.2	32.6	27.1
50,000 to 99,999 lb	38.2	38.1	33.4	27.3	S	S	S	S	S	S
100,000 lb or more	44.9	34.6	35.1	17.7	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**4.8**	**9.4**	**15.2**	**8.0**	**9.3**	**20.4**	**15.7**	**7.1**	**12.6**	**11.9**
Less than 50 lb	10.9	7.0	13.3	9.6	12.4	8.0	7.9	21.8	12.5	12.6
50 to 99 lb	11.2	10.1	19.2	13.2	19.0	15.1	12.4	14.7	22.5	24.0
100 to 499 lb	8.8	9.7	16.6	12.3	16.3	12.7	9.6	12.7	14.8	15.7
500 to 749 lb	10.4	9.9	15.3	11.7	14.5	16.9	14.2	22.6	13.6	13.0
750 to 999 lb	9.6	9.7	13.8	12.7	16.2	16.4	13.5	16.1	17.2	17.4
1,000 to 9,999 lb	8.3	11.1	13.0	8.1	12.8	16.1	16.0	13.8	15.4	14.6
10,000 to 49,999 lb	8.6	11.8	14.4	7.3	21.9	22.6	26.6	14.3	20.8	19.1
50,000 to 99,999 lb	23.8	26.4	38.7	17.4	S	S	S	S	S	S
100,000 lb or more	41.3	48.8	47.5	16.0	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**39.9**	**27.5**	**19.1**	**S**	**26.1**	**33.0**	**39.3**	**35.2**	**S**	**46.4**
Less than 50 lb	S	S	S	23.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	20.9	S	S	S	S	S	S
100 to 499 lb	S	38.1	S	32.2	S	38.7	41.6	S	S	S
500 to 749 lb	49.6	S	46.5	22.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.3	S	25.2	47.9	S	S	S	S	S
10,000 to 49,999 lb	36.0	34.0	29.0	26.8	35.1	S	49.6	41.9	49.1	44.7
50,000 to 99,999 lb	30.1	48.0	46.4	45.8	39.9	S	S	S	S	S
100,000 lb or more	27.3	43.9	31.2	25.8	S	S	S	–	–	–
SCTG 26, Wood products	**7.6**	**8.6**	**20.7**	**13.9**	**10.4**	**10.7**	**10.6**	**7.3**	**10.9**	**11.1**
Less than 50 lb	45.8	34.3	S	14.3	19.5	18.5	17.2	32.6	27.1	26.9
50 to 99 lb	29.5	26.1	39.4	S	35.6	32.7	40.9	19.3	20.2	20.2
100 to 499 lb	20.8	15.4	26.1	16.9	24.8	15.6	17.9	21.3	19.1	19.8
500 to 749 lb	22.6	19.5	24.1	13.8	28.5	22.1	28.9	26.2	22.2	23.6
750 to 999 lb	18.6	12.9	32.6	15.9	22.9	14.6	11.3	25.2	21.8	21.9
1,000 to 9,999 lb	12.0	12.0	10.1	8.7	18.7	15.6	14.3	10.5	13.6	13.9
10,000 to 49,999 lb	8.2	10.8	11.2	8.6	12.8	12.2	12.6	13.8	17.8	18.3
50,000 to 99,999 lb	17.0	27.8	23.4	34.0	25.4	36.9	31.3	23.5	26.8	27.0
100,000 lb or more	32.8	35.8	S	19.7	S	38.3	43.1	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.9**	**13.8**	**11.2**	**26.8**	**10.4**	**23.0**	**26.1**	**16.9**	**14.0**	**14.2**
Less than 50 lb	35.1	45.2	33.0	S	32.2	S	S	S	46.3	48.5
50 to 99 lb	20.8	18.3	28.4	31.7	22.0	19.7	16.9	S	43.3	41.3
100 to 499 lb	13.4	13.1	14.2	17.1	16.2	16.7	17.2	24.6	22.4	23.6
500 to 749 lb	16.6	15.0	14.9	29.2	20.7	17.7	19.3	22.5	19.1	18.5
750 to 999 lb	23.6	27.8	23.4	38.1	31.7	31.5	23.0	40.4	41.9	43.3
1,000 to 9,999 lb	12.5	10.8	16.7	17.2	13.2	15.4	16.1	23.7	20.1	19.9
10,000 to 49,999 lb	11.1	14.8	11.8	8.5	24.3	30.0	35.1	21.1	16.3	15.9
50,000 to 99,999 lb	33.1	S	35.4	S	S	S	S	S	S	S
100,000 lb or more	22.7	23.4	30.3	15.3	41.5	48.0	38.7	S	S	S
SCTG 28, Paper or paperboard articles	**9.5**	**8.0**	**16.1**	**13.6**	**9.7**	**11.1**	**13.6**	**12.7**	**15.4**	**16.6**
Less than 50 lb	20.8	22.1	32.2	13.9	21.2	20.2	24.5	32.8	36.5	37.3
50 to 99 lb	24.5	21.4	17.2	26.0	28.7	25.6	26.3	23.5	22.9	21.7
100 to 499 lb	13.1	14.0	22.2	17.3	13.4	16.4	19.3	16.9	18.6	17.1
500 to 749 lb	17.4	19.2	22.4	20.2	18.5	23.9	28.7	21.1	19.4	19.6
750 to 999 lb	22.1	21.0	20.7	23.9	20.1	24.5	25.8	28.9	18.2	16.9
1,000 to 9,999 lb	9.2	9.0	10.6	15.2	11.5	15.8	16.0	18.8	22.3	26.1
10,000 to 49,999 lb	13.3	10.7	17.8	12.0	21.3	19.3	18.7	16.8	13.9	13.2
50,000 to 99,999 lb	31.5	39.8	43.3	S	44.8	44.3	49.2	S	S	S
100,000 lb or more	S	42.3	S	26.5	S	46.0	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 Division: 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	**38.8**	**12.7**	**24.6**	**13.5**	**15.7**	**15.6**	**21.1**	**47.4**	**22.8**	**24.1**
Less than 50 lb	23.2	26.3	29.4	15.0	22.0	30.5	35.6	26.6	29.5	31.7
50 to 99 lb	32.4	19.9	46.4	14.6	20.2	15.4	18.8	41.5	33.5	38.6
100 to 499 lb	47.2	25.6	S	15.4	26.9	11.4	14.7	S	S	S
500 to 749 lb	37.3	29.2	S	18.2	19.0	18.2	21.8	36.0	23.0	24.8
750 to 999 lb	S	43.4	S	17.6	S	31.8	28.2	47.2	32.4	37.1
1,000 to 9,999 lb	S	23.9	33.2	13.1	25.7	14.5	17.5	S	34.1	38.1
10,000 to 49,999 lb	17.3	15.1	24.4	18.1	29.4	28.6	28.1	42.3	23.6	24.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	46.5	32.7	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**9.9**	**11.3**	**13.0**	**6.7**	**8.2**	**13.3**	**11.7**	**15.1**	**13.7**	**14.4**
Less than 50 lb	14.2	19.2	23.1	7.9	15.0	17.1	15.4	16.8	18.1	17.8
50 to 99 lb	27.6	29.5	40.6	5.9	14.7	19.8	17.3	49.6	37.8	33.4
100 to 499 lb	21.2	25.0	33.6	5.3	12.8	23.2	17.1	30.8	27.2	30.3
500 to 749 lb	10.4	22.1	15.9	17.4	16.8	39.1	31.1	31.4	28.5	29.0
750 to 999 lb	17.6	13.6	15.7	16.3	25.6	22.7	26.0	29.3	33.6	34.3
1,000 to 9,999 lb	9.9	10.8	17.0	7.7	13.1	12.6	13.0	19.5	19.1	19.0
10,000 to 49,999 lb	10.1	17.3	15.3	11.2	23.9	26.4	21.3	16.7	22.7	23.2
50,000 to 99,999 lb	45.2	S	S	26.0	S	S	S	–	–	–
100,000 lb or more	45.6	37.9	S	23.8	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**6.5**	**23.2**	**8.5**	**18.3**	**13.8**	**31.1**	**24.3**	**9.1**	**11.0**	**10.1**
Less than 50 lb	30.5	19.8	S	14.7	31.7	22.0	22.0	S	40.4	41.5
50 to 99 lb	15.8	15.9	22.1	19.6	26.1	21.2	24.7	32.7	32.8	34.0
100 to 499 lb	11.9	12.4	18.6	22.5	16.5	18.2	20.8	27.8	20.8	19.8
500 to 749 lb	14.4	13.8	19.6	30.8	16.4	18.6	20.6	49.0	34.4	33.8
750 to 999 lb	19.7	20.9	46.3	20.3	26.3	22.3	28.6	44.0	S	S
1,000 to 9,999 lb	15.1	11.8	15.5	13.9	28.3	16.5	17.5	20.7	16.7	18.8
10,000 to 49,999 lb	9.4	20.0	9.4	18.0	21.1	27.0	31.9	12.6	13.7	12.7
50,000 to 99,999 lb	9.9	27.1	13.7	15.5	14.8	43.3	22.6	15.4	13.5	12.4
100,000 lb or more	34.4	S	26.7	S	S	S	S	48.7	36.8	37.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**16.9**	**13.0**	**11.4**	**10.8**	**10.2**	**32.4**	**15.5**	**13.7**	**11.9**	**12.2**
Less than 50 lb	23.0	19.8	46.1	13.9	17.7	17.8	25.2	23.1	27.0	25.3
50 to 99 lb	12.8	14.7	13.8	13.4	19.9	18.6	19.5	26.5	25.1	25.2
100 to 499 lb	15.2	15.6	22.1	15.0	16.0	20.2	20.5	27.9	18.4	18.4
500 to 749 lb	10.0	11.8	15.2	16.0	15.7	17.0	20.9	24.3	18.3	20.6
750 to 999 lb	13.5	16.7	20.2	17.1	26.2	24.6	19.8	26.5	21.4	23.7
1,000 to 9,999 lb	11.4	9.2	10.8	11.1	11.7	16.6	15.5	20.0	14.0	13.6
10,000 to 49,999 lb	22.7	16.3	10.1	6.1	20.6	48.1	14.7	16.1	15.4	15.7
50,000 to 99,999 lb	21.2	17.0	20.7	17.4	21.7	44.5	24.6	25.0	21.0	20.5
100,000 lb or more	29.0	22.4	27.6	16.4	42.5	32.0	41.0	40.0	37.2	40.2
SCTG 33, Articles of base metal	**5.6**	**12.2**	**10.9**	**14.0**	**7.1**	**15.7**	**19.5**	**11.4**	**24.8**	**24.2**
Less than 50 lb	10.9	11.7	43.4	15.3	10.6	9.1	10.2	17.8	18.2	17.5
50 to 99 lb	10.1	5.5	13.8	17.8	12.9	10.8	12.5	21.4	24.9	25.3
100 to 499 lb	8.5	8.0	10.5	10.9	11.7	11.4	12.9	19.8	18.8	19.3
500 to 749 lb	14.8	13.2	14.6	12.7	19.0	17.8	14.5	26.2	19.6	19.7
750 to 999 lb	13.3	10.3	14.8	13.1	24.3	16.7	19.3	25.9	30.0	29.0
1,000 to 9,999 lb	10.7	15.1	15.6	10.1	16.5	12.0	15.6	19.7	18.2	21.2
10,000 to 49,999 lb	9.1	14.6	11.2	9.1	12.0	25.5	29.9	21.7	26.5	27.5
50,000 to 99,999 lb	26.2	21.8	33.9	29.0	35.1	35.1	43.2	S	S	S
100,000 lb or more	45.8	36.0	39.7	23.0	S	S	S	S	S	S
SCTG 34, Machinery	**5.6**	**8.1**	**9.5**	**12.5**	**5.4**	**15.9**	**16.9**	**14.4**	**15.6**	**15.4**
Less than 50 lb	5.9	9.2	13.2	16.9	8.3	14.3	18.1	17.1	17.2	16.9
50 to 99 lb	7.7	19.9	12.3	16.5	13.3	33.4	42.2	26.3	19.0	20.3
100 to 499 lb	7.5	10.1	11.1	9.9	9.5	11.8	14.6	13.5	19.8	18.3
500 to 749 lb	25.0	17.8	28.0	13.1	16.2	18.1	16.2	25.7	22.8	24.5
750 to 999 lb	13.1	15.8	18.1	18.7	22.4	26.8	30.0	40.8	41.6	41.9
1,000 to 9,999 lb	10.9	9.1	11.3	6.8	16.5	12.0	12.2	19.7	19.1	18.3
10,000 to 49,999 lb	10.5	13.6	12.9	8.8	13.4	36.9	31.0	31.3	25.1	24.6
50,000 to 99,999 lb	30.7	29.0	35.1	28.1	36.2	37.5	48.3	39.0	45.2	44.9
100,000 lb or more	29.7	33.0	43.7	28.7	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.2**	**5.2**	**6.7**	**10.1**	**10.2**	**8.3**	**13.9**	**40.4**	**15.5**	**15.9**
Less than 50 lb	13.9	10.5	10.7	10.5	11.5	12.4	16.6	S	17.6	18.3
50 to 99 lb	13.5	12.6	14.7	9.4	15.3	13.9	19.2	20.6	23.4	22.2
100 to 499 lb	10.6	5.1	10.5	9.7	13.4	11.4	15.5	20.7	16.8	18.2
500 to 749 lb	18.3	11.6	12.9	8.3	20.1	23.7	21.8	23.0	29.4	30.5
750 to 999 lb	21.9	12.6	19.1	11.4	37.0	25.9	16.5	39.1	29.2	28.3
1,000 to 9,999 lb	10.7	10.1	12.2	6.8	17.7	14.1	18.1	25.1	27.5	29.1
10,000 to 49,999 lb	22.3	7.7	11.0	8.4	31.8	28.8	47.3	29.3	29.2	30.0
50,000 to 99,999 lb	S	48.8	S	22.3	–	–	–	–	–	–
100,000 lb or more	S	S	S	23.5	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 Division: 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)	**8.8**	**9.3**	**11.4**	**13.0**	**13.6**	**14.1**	**20.1**	**17.4**	**17.9**	**17.3**
Less than 50 lb	14.5	13.3	33.0	15.9	13.8	15.5	12.3	16.7	12.5	12.6
50 to 99 lb	19.5	25.1	23.5	18.1	28.0	32.9	42.9	30.8	19.8	21.4
100 to 499 lb	22.9	16.0	34.9	11.8	19.8	11.3	10.9	29.0	24.2	23.0
500 to 749 lb	21.7	15.8	18.0	18.4	40.2	23.2	24.4	34.5	26.8	25.8
750 to 999 lb	25.5	17.0	48.0	17.8	44.3	25.3	30.5	43.6	35.8	40.3
1,000 to 9,999 lb	14.2	15.5	13.9	16.5	22.8	25.5	40.2	25.0	24.1	24.4
10,000 to 49,999 lb	13.6	13.7	17.3	4.6	24.5	16.8	18.8	25.6	23.0	20.6
50,000 to 99,999 lb	33.1	25.7	29.6	19.3	46.3	49.3	44.7	S	S	S
100,000 lb or more	S	37.5	45.5	24.8	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**14.9**	**27.5**	**43.2**	**6.3**	**27.8**	**31.0**	**31.4**	**26.4**	**23.2**	**23.1**
Less than 50 lb	20.8	26.9	41.0	5.8	31.9	34.4	S	37.1	S	S
50 to 99 lb	29.4	41.6	39.3	11.8	S	S	S	S	S	S
100 to 499 lb	25.1	30.6	30.7	14.4	43.6	43.5	45.7	S	43.4	45.3
500 to 749 lb	S	34.8	36.4	16.4	S	S	S	S	37.1	35.9
750 to 999 lb	S	32.7	39.3	20.1	S	47.4	S	S	S	S
1,000 to 9,999 lb	30.4	34.5	44.6	12.7	33.4	43.7	S	45.6	31.3	29.3
10,000 to 49,999 lb	22.8	35.0	S	15.8	41.1	34.7	33.8	49.5	32.3	33.1
50,000 to 99,999 lb	37.1	42.4	47.8	19.4	S	S	S	S	S	S
100,000 lb or more	S	S	44.6	19.7	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**10.5**	**15.4**	**18.6**	**6.8**	**13.6**	**18.6**	**24.0**	**16.6**	**38.2**	**36.9**
Less than 50 lb	12.5	15.0	12.2	7.0	14.9	26.3	30.8	15.8	39.2	41.7
50 to 99 lb	19.6	12.4	15.8	6.9	34.8	21.6	25.0	26.1	21.1	21.3
100 to 499 lb	14.4	29.1	43.1	8.7	24.2	18.9	24.1	31.2	29.5	31.0
500 to 749 lb	24.8	35.9	32.7	11.3	42.8	19.3	23.6	S	S	S
750 to 999 lb	34.0	32.7	25.2	30.9	S	S	S	S	S	S
1,000 to 9,999 lb	14.8	23.0	47.0	13.9	39.3	40.6	47.8	40.7	S	S
10,000 to 49,999 lb	29.5	34.8	32.7	22.6	S	S	S	S	47.7	45.5
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**10.9**	**12.1**	**14.9**	**10.4**	**15.6**	**19.5**	**23.2**	**18.5**	**22.7**	**22.9**
Less than 50 lb	26.7	24.8	23.2	15.3	26.4	16.1	20.6	37.8	36.2	37.0
50 to 99 lb	22.9	16.2	25.8	16.3	23.2	24.7	31.7	21.5	25.9	26.5
100 to 499 lb	13.3	16.8	18.0	10.8	18.1	26.9	34.5	21.4	21.0	21.4
500 to 749 lb	18.1	16.3	21.2	15.9	18.1	22.0	26.7	35.8	33.2	32.5
750 to 999 lb	17.8	21.9	13.9	28.1	27.0	34.7	42.7	32.6	39.8	39.4
1,000 to 9,999 lb	13.8	16.3	19.5	13.2	21.0	24.2	25.1	24.9	33.3	34.2
10,000 to 49,999 lb	21.9	20.8	21.3	16.0	49.7	42.9	S	40.8	41.4	38.9
50,000 to 99,999 lb	S	49.6	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**8.1**	**S**	**11.7**	**4.9**	**13.4**	**S**	**27.4**	**30.4**	**47.5**	**43.1**
Less than 50 lb	9.0	23.3	28.5	4.9	15.3	18.6	17.3	22.1	21.5	20.5
50 to 99 lb	11.6	12.8	19.2	6.7	25.5	18.4	18.3	19.8	25.9	27.9
100 to 499 lb	9.4	8.1	13.3	6.4	13.2	11.0	12.7	12.6	11.6	11.7
500 to 749 lb	9.4	7.9	11.4	7.8	13.2	13.0	15.6	43.9	18.7	20.5
750 to 999 lb	13.9	11.8	18.1	8.3	16.4	18.9	22.1	28.5	17.7	18.1
1,000 to 9,999 lb	8.9	8.4	12.2	7.2	18.2	13.7	15.5	17.9	12.7	12.0
10,000 to 49,999 lb	36.0	31.0	19.7	16.3	S	34.8	32.2	S	S	S
50,000 to 99,999 lb	28.8	27.2	33.1	25.1	S	45.3	36.1	S	41.5	38.3
100,000 lb or more	S	S	41.0	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**16.2**	**18.4**	**42.0**	**18.3**	**24.6**	**23.7**	**34.2**	**20.8**	**13.3**	**14.1**
Less than 50 lb	S	S	S	25.0	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.6	–	–	–	–	–	–
100 to 499 lb	38.5	S	37.2	30.9	48.0	S	S	S	S	S
500 to 749 lb	S	S	44.7	S	S	S	S	S	42.1	42.2
750 to 999 lb	48.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	28.4	36.0	22.6	S	36.6	38.0	37.3	S	S	S
10,000 to 49,999 lb	16.0	17.5	15.3	11.1	27.4	27.1	36.4	27.0	15.3	16.5
50,000 to 99,999 lb	22.6	21.1	47.1	24.8	19.4	25.6	25.2	41.9	31.8	34.1
100,000 lb or more	30.4	33.1	S	19.6	30.8	32.1	40.8	36.9	38.3	39.1
SCTG 43, Mixed freight	**14.0**	**13.2**	**16.6**	**16.8**	**15.8**	**15.6**	**13.8**	**21.0**	**17.0**	**16.3**
Less than 50 lb	21.2	22.6	34.3	19.0	22.3	23.0	23.9	25.8	30.6	33.3
50 to 99 lb	21.6	23.4	32.9	21.5	23.3	33.9	35.4	40.6	33.5	35.3
100 to 499 lb	18.9	25.2	22.5	30.6	21.3	33.5	35.4	27.0	20.7	21.8
500 to 749 lb	26.8	38.0	21.5	34.1	36.9	48.6	44.1	27.7	23.3	21.0
750 to 999 lb	27.8	26.6	24.4	43.7	26.3	31.9	23.3	21.1	28.0	24.3
1,000 to 9,999 lb	12.6	15.3	16.4	9.6	19.5	22.8	18.8	10.7	10.1	9.7
10,000 to 49,999 lb	21.9	16.6	19.7	24.9	23.2	19.0	17.9	32.8	23.9	23.2
50,000 to 99,999 lb	S	S	S	21.6	–	–	–	–	–	–
100,000 lb or more	S	S	S	21.9	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 Division: 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	**24.2**	**24.5**	**31.6**	**14.7**	**46.0**	**37.5**	**S**	**21.8**	**45.5**	**38.7**
Less than 50 lb	21.8	22.4	26.7	16.2	29.8	24.9	27.5	41.3	33.2	37.2
50 to 99 lb	35.5	19.1	34.6	20.1	40.4	33.0	41.4	S	30.1	29.6
100 to 499 lb	S	23.1	41.6	20.5	S	32.8	38.3	33.3	26.7	26.6
500 to 749 lb	27.2	27.8	33.0	S	38.1	37.6	35.4	41.9	S	S
750 to 999 lb	29.5	37.1	39.3	S	36.6	45.2	36.3	48.7	48.3	S
1,000 to 9,999 lb	29.9	26.7	S	22.7	30.2	34.8	29.4	35.2	28.1	27.6
10,000 to 49,999 lb	24.5	31.3	37.2	37.8	39.9	S	S	43.5	S	S
50,000 to 99,999 lb	S	44.0	S	22.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.0	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 Division: 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	**11.3**	**6.7**	**8.6**	**5.2**	**5.7**	**7.9**	**7.2**	**8.8**	**11.1**	**7.1**	**15.1**	**17.4**
Less than 50 lb	7.7	8.9	9.2	6.6	6.9	6.6	6.6	15.4	14.2	6.6	31.4	29.8
50 to 99 lb	10.9	10.3	11.0	10.9	6.7	7.7	13.1	7.5	7.3	16.2	18.6	18.7
100 to 499 lb	23.9	11.7	11.9	9.6	5.4	5.4	9.0	7.2	7.2	24.1	25.3	25.1
500 to 749 lb	17.0	9.4	11.4	9.7	5.7	6.2	9.5	10.1	9.8	20.5	13.7	13.9
750 to 999 lb	18.4	7.4	7.2	28.1	21.7	22.0	26.8	28.0	26.5	S	13.9	13.8
1,000 to 9,999 lb	26.0	7.3	8.6	9.9	3.9	4.0	12.0	10.0	9.8	9.9	5.5	5.5
10,000 to 49,999 lb	4.7	4.7	4.6	8.0	5.2	5.1	10.6	5.4	5.9	8.8	8.3	8.0
50,000 to 99,999 lb	11.0	8.1	7.6	27.2	13.6	13.4	28.1	16.3	17.3	24.7	24.8	24.6
100,000 lb or more	18.1	18.4	18.1	21.5	16.6	21.1	35.6	29.2	32.6	19.0	49.5	49.7
SCTG 01, Live animals and live fish	**28.4**	**23.6**	**23.3**	**37.4**	**40.5**	**43.0**	**38.0**	**39.8**	**39.7**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	48.9	48.7	49.1	S	S	S	–	–	–	–	–	–
500 to 749 lb	47.7	47.4	49.3	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	49.8	S	S	S	–	–	–
10,000 to 49,999 lb	25.8	22.4	22.6	S	S	S	42.1	44.1	44.5	S	S	S
50,000 to 99,999 lb	48.5	47.0	47.3	S	S	S	S	50.0	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 02, Cereal grains	**32.8**	**29.3**	**31.8**	**S**	**40.1**	**41.5**	**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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	45.9	38.4	40.8	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	39.5	41.4	38.9	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 03, Other agricultural products	**16.3**	**24.5**	**27.3**	**21.0**	**44.7**	**43.7**	**25.7**	**29.5**	**29.7**	**32.0**	**42.6**	**41.1**
Less than 50 lb	S	35.5	39.4	S	48.8	49.7	S	S	S	S	S	S
50 to 99 lb	40.3	33.3	35.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.6	34.6	31.7	S	S	S	42.3	43.4	43.2	44.0	41.0	41.0
500 to 749 lb	S	49.8	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	29.1	27.4	26.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.3	33.9	38.0	35.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	22.2	28.3	28.5	26.0	43.6	44.2	35.1	38.8	39.2	48.3	44.9	45.6
50,000 to 99,999 lb	39.1	41.6	45.6	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**24.4**	**24.2**	**22.6**	**27.6**	**23.8**	**23.7**	**28.1**	**28.6**	**28.3**	**32.4**	**30.8**	**30.7**
Less than 50 lb	S	S	S	49.4	48.5	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	48.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	33.2	36.5	S	46.3	44.5	S	S	S
10,000 to 49,999 lb	22.6	25.5	24.3	29.7	24.6	24.6	34.1	30.6	30.8	34.8	35.3	35.0
50,000 to 99,999 lb	41.3	37.5	37.3	S	S	S	S	S	S	–	–	–
100,000 lb or more	36.1	36.4	36.1	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**12.3**	**14.9**	**14.7**	**18.2**	**16.9**	**19.1**	**36.2**	**35.6**	**37.9**	**S**	**46.5**	**45.8**
Less than 50 lb	44.8	40.7	41.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	39.4	39.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.5	24.6	24.1	40.4	40.6	42.9	S	S	S	S	S	S
500 to 749 lb	27.8	30.5	30.3	45.1	44.4	47.9	S	S	S	S	S	S
750 to 999 lb	32.5	33.9	37.4	48.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	16.0	21.1	20.9	21.7	18.2	18.5	45.1	40.2	41.6	36.2	32.4	32.1
10,000 to 49,999 lb	18.1	19.1	18.3	21.8	21.2	24.4	36.6	37.4	39.8	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**7.3**	**12.7**	**12.5**	**10.9**	**11.9**	**11.4**	**17.0**	**20.9**	**20.6**	**22.6**	**18.9**	**19.2**
Less than 50 lb	S	S	S	39.3	37.8	39.8	44.8	S	S	47.8	S	S
50 to 99 lb	41.8	35.0	34.8	47.0	S	S	S	S	S	S	S	S
100 to 499 lb	33.2	39.0	38.8	48.3	S	S	S	S	S	S	S	S
500 to 749 lb	42.2	47.0	48.8	S	S	S	S	S	S	43.8	42.2	41.5
750 to 999 lb	38.5	S	S	37.9	41.2	37.7	S	S	S	S	S	S
1,000 to 9,999 lb	13.7	20.7	17.9	14.3	16.9	19.2	22.2	22.2	21.3	41.1	38.0	39.2
10,000 to 49,999 lb	12.0	14.4	13.7	12.8	14.5	13.6	19.2	22.6	22.4	25.9	21.2	21.5
50,000 to 99,999 lb	32.5	33.6	32.9	46.1	43.7	42.7	S	S	S	S	S	S
100,000 lb or more	S	46.5	47.0	30.1	31.5	31.1	–	–	–	–	–	–

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 Division: 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	**8.9**	**10.7**	**11.7**	**15.2**	**11.5**	**11.2**	**14.5**	**20.4**	**21.5**	**14.7**	**19.8**	**18.8**
Less than 50 lb	45.5	32.6	34.8	39.9	43.0	43.7	S	44.0	43.8	S	S	S
50 to 99 lb	S	27.4	29.3	40.0	38.0	41.3	S	S	S	S	44.3	43.7
100 to 499 lb	37.2	15.7	17.0	47.3	37.7	38.3	36.1	30.1	31.2	40.6	48.4	47.6
500 to 749 lb	20.6	19.5	19.6	S	39.7	42.2	S	43.5	43.5	S	S	S
750 to 999 lb	23.9	23.2	23.1	30.2	34.0	29.6	28.4	39.3	42.6	45.0	44.7	44.7
1,000 to 9,999 lb	23.7	12.7	10.7	45.8	23.3	22.2	30.0	23.8	24.6	21.9	18.2	18.4
10,000 to 49,999 lb	11.7	12.5	13.4	11.3	11.9	11.6	15.6	20.9	22.1	15.5	20.7	19.6
50,000 to 99,999 lb	39.7	33.1	32.3	S	50.0	S	45.9	41.5	41.2	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**28.1**	**27.4**	**27.5**	**29.5**	**26.4**	**27.4**	**39.9**	**39.0**	**41.3**	**46.0**	**46.2**	**45.7**
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	49.8	–	–	–
100 to 499 lb	39.0	37.5	39.1	S	S	S	S	S	S	–	–	–
500 to 749 lb	45.4	44.4	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	35.8	33.9	34.9	S	S	S	S	42.7	42.2	S	S	S
10,000 to 49,999 lb	29.9	28.4	28.5	29.3	26.7	26.5	40.1	39.1	41.4	48.0	47.0	46.4
50,000 to 99,999 lb	43.9	42.8	43.5	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 09, Tobacco products	**35.8**	**30.4**	**28.2**	**30.6**	**S**	**S**	**40.0**	**48.6**	**S**	**30.8**	**33.3**	**32.8**
Less than 50 lb	48.1	35.6	33.1	S	37.6	42.7	40.3	40.8	41.2	S	48.5	47.9
50 to 99 lb	35.9	42.2	48.6	48.5	S	S	S	S	S	S	S	S
100 to 499 lb	S	25.7	28.9	30.8	26.9	28.1	31.4	31.4	31.5	30.2	30.1	29.9
500 to 749 lb	36.9	35.7	39.8	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	50.0	47.8	47.2	S	48.2	49.0	S	S	S	S	S	S
10,000 to 49,999 lb	47.7	47.7	47.7	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**36.8**	**38.1**	**37.5**	**S**	**S**	**S**
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
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	38.2	39.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	37.6	41.7	41.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**45.6**	**35.7**	**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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	47.9	48.0	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	27.7	27.1	28.4	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	40.4	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**27.0**	**28.3**	**27.9**	**38.6**	**S**	**45.4**	**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	–	–	–	–	–	–	–	–	–
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	34.5	33.5	33.6	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	22.3	27.3	26.7	S	45.7	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**35.0**	**31.0**	**30.5**	**S**	**S**	**S**	**29.6**	**49.6**	**48.5**	**43.1**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	45.1	44.5	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	S	S	S	–	–	–
1,000 to 9,999 lb	S	43.6	42.7	S	S	S	S	46.4	44.4	S	S	S
10,000 to 49,999 lb	37.1	36.2	37.7	S	S	S	36.4	46.1	45.6	S	S	S
50,000 to 99,999 lb	41.1	49.8	50.0	S	S	S	–	–	–	–	–	–
100,000 lb or more	39.0	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 Division: 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	**39.6**	**30.0**	**35.4**	**36.7**	**36.2**	**36.7**	**31.1**	**32.6**	**32.4**	**41.7**	**41.7**	**41.4**
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	S	47.7	43.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	41.3	43.8	43.5	36.0	38.8	38.9	S	44.9	44.8
10,000 to 49,999 lb	25.6	32.6	37.4	S	33.8	33.8	37.6	42.0	42.3	43.6	45.2	44.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	49.5	46.7	46.7	–	–	–	S	S	S
SCTG 15, Coal	**17.0**	**18.5**	**19.7**	**20.0**	**19.7**	**25.3**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	23.0	23.2	44.7	37.2	35.2	46.5	47.0	S	S	S	S
50,000 to 99,999 lb	S	38.7	39.3	S	S	S	S	S	S	–	–	–
100,000 lb or more	19.4	20.1	20.7	21.8	21.6	26.8	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**32.5**	**33.6**	**35.6**	**41.3**	**40.8**	**41.9**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	49.5	45.4	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	28.8	31.6	33.9	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	36.6	40.1	38.1	43.5	43.3	46.8	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**47.4**	**S**	**43.8**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	49.4	45.2	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	39.0	34.6	33.3	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	40.0	39.6	39.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**22.3**	**22.9**	**24.8**	**38.8**	**41.9**	**41.7**	**28.3**	**41.3**	**41.6**	**39.0**	**48.0**	**S**
Less than 50 lb	48.7	S	S	43.7	44.2	43.8	40.1	S	S	S	S	S
50 to 99 lb	S	44.7	45.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	32.4	36.4	35.1	38.2	31.8	31.8	35.6	35.9	37.5	42.1	44.2	45.1
500 to 749 lb	S	36.6	36.1	S	S	S	S	S	S	S	S	S
750 to 999 lb	42.7	39.3	38.6	S	48.3	S	42.8	42.6	41.6	S	S	S
1,000 to 9,999 lb	33.2	28.2	27.3	28.3	28.3	29.3	41.8	40.9	39.2	S	S	S
10,000 to 49,999 lb	24.7	25.6	26.0	S	42.1	42.2	41.0	39.8	44.7	47.7	38.7	38.9
50,000 to 99,999 lb	48.5	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	40.3	34.7	33.5	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**36.4**	**27.6**	**27.3**	**16.3**	**28.5**	**29.2**	**15.9**	**20.6**	**20.2**	**21.1**	**24.1**	**23.9**
Less than 50 lb	25.4	S	S	S	S	S	28.8	29.4	32.4	34.2	42.2	43.7
50 to 99 lb	33.5	32.7	32.9	46.9	37.4	37.0	S	36.6	37.8	S	S	S
100 to 499 lb	S	36.2	33.5	S	34.9	34.7	34.4	31.7	34.7	45.3	47.1	45.4
500 to 749 lb	43.1	30.3	29.3	26.5	34.3	38.7	42.4	S	S	35.5	41.6	40.6
750 to 999 lb	26.9	39.1	40.5	S	29.1	32.2	37.2	23.0	22.8	S	S	S
1,000 to 9,999 lb	S	30.9	32.3	23.2	34.9	33.4	14.0	25.7	25.9	41.3	S	S
10,000 to 49,999 lb	32.5	36.0	36.3	10.6	23.1	21.8	26.9	26.6	26.6	23.0	21.8	22.0
50,000 to 99,999 lb	S	S	47.2	S	S	47.2	38.3	39.4	38.7	S	S	S
100,000 lb or more	39.2	38.3	38.7	44.4	43.8	43.6	35.9	37.6	35.7	S	S	S
SCTG 21, Pharmaceutical products	**11.9**	**17.0**	**16.7**	**13.4**	**19.3**	**18.5**	**13.1**	**15.1**	**15.5**	**38.2**	**27.6**	**28.3**
Less than 50 lb	21.5	14.5	14.8	18.6	16.0	16.4	24.8	23.1	23.2	22.7	27.3	27.0
50 to 99 lb	40.1	24.8	26.7	24.4	24.0	25.2	28.9	S	S	37.8	39.8	38.5
100 to 499 lb	28.4	22.8	24.9	31.6	35.6	37.1	34.4	S	S	48.4	28.4	28.3
500 to 749 lb	S	40.0	35.8	S	44.3	49.8	S	37.0	36.8	S	S	S
750 to 999 lb	49.2	32.8	30.5	49.4	40.9	42.5	43.0	42.6	44.0	S	S	S
1,000 to 9,999 lb	33.6	30.3	30.1	32.1	43.2	39.0	29.4	34.8	33.1	36.2	36.6	35.5
10,000 to 49,999 lb	26.3	24.6	27.2	27.0	30.0	30.8	29.1	24.6	24.9	33.7	41.0	42.3
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	S	S	S

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**44.1**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	47.9	S	46.8	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	42.5	43.8	46.0	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	48.2	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**31.4**	**12.4**	**13.0**	**22.8**	**15.1**	**16.6**	**46.6**	**11.0**	**11.5**	**31.0**	**17.4**	**17.3**
Less than 50 lb	17.3	11.2	10.8	47.0	24.1	25.3	37.5	22.4	20.6	27.4	24.5	24.7
50 to 99 lb	39.5	18.8	22.8	25.1	21.8	21.8	S	32.2	31.9	41.3	28.3	27.8
100 to 499 lb	33.0	19.6	20.6	S	24.9	23.4	S	33.1	31.5	S	33.2	33.3
500 to 749 lb	39.0	32.4	33.6	S	29.5	30.0	22.0	24.6	24.3	28.3	25.1	25.8
750 to 999 lb	S	31.4	26.6	S	39.2	36.3	S	36.9	35.5	37.3	26.5	27.2
1,000 to 9,999 lb	S	13.5	14.6	25.9	20.7	20.7	S	22.4	23.5	46.6	22.2	21.9
10,000 to 49,999 lb	15.6	17.9	17.4	17.1	21.8	24.4	18.6	14.3	14.8	24.8	21.5	21.4
50,000 to 99,999 lb	S	S	S	48.1	47.9	45.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	43.0	42.9	S	S	48.6	S	S	S
SCTG 24, Plastics and rubber	**5.1**	**8.9**	**10.2**	**8.7**	**14.2**	**13.4**	**11.8**	**22.4**	**22.0**	**9.0**	**15.4**	**15.2**
Less than 50 lb	21.4	11.8	12.2	34.9	17.9	16.8	14.3	19.9	20.0	17.7	15.1	14.8
50 to 99 lb	16.4	9.2	9.7	18.4	12.5	12.2	16.7	19.8	19.7	14.0	18.7	19.8
100 to 499 lb	9.1	12.8	13.0	19.8	14.1	13.7	12.2	16.2	17.1	19.3	22.1	21.7
500 to 749 lb	14.6	16.2	16.3	25.3	17.1	16.7	21.1	20.7	21.6	46.3	20.6	21.7
750 to 999 lb	24.4	21.4	23.9	21.9	20.7	21.1	26.5	23.0	22.6	46.6	32.2	31.1
1,000 to 9,999 lb	7.1	9.9	10.4	13.4	13.4	15.1	19.7	41.5	41.3	11.6	15.7	15.0
10,000 to 49,999 lb	10.3	12.7	13.8	13.0	18.5	16.8	13.7	17.4	17.0	15.5	18.4	18.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	47.7	S	S
100,000 lb or more	S	S	S	S	39.7	39.4	47.2	41.6	39.1	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**32.8**	**29.9**	**40.1**	**42.2**	**39.2**	**S**	**48.9**	**S**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	35.8	34.9	S	S	S	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	44.9	S	47.2	37.9	S	48.2	S	S	S	–	–	–
SCTG 26, Wood products	**10.3**	**12.7**	**12.7**	**13.1**	**21.2**	**24.0**	**42.2**	**S**	**S**	**25.6**	**38.1**	**36.8**
Less than 50 lb	41.4	34.5	36.1	35.1	32.3	29.2	S	S	S	46.2	37.8	37.7
50 to 99 lb	31.2	28.4	29.1	S	S	S	34.0	45.5	48.0	42.7	43.5	45.1
100 to 499 lb	S	36.4	35.7	24.2	27.3	26.4	25.0	28.2	29.0	31.9	44.3	42.7
500 to 749 lb	41.2	39.0	44.2	S	49.1	43.8	46.4	S	S	37.9	35.4	35.9
750 to 999 lb	23.6	20.1	21.9	S	S	S	S	S	S	49.0	S	S
1,000 to 9,999 lb	16.5	12.5	12.8	15.9	17.5	18.2	23.6	27.7	26.7	25.3	39.4	37.9
10,000 to 49,999 lb	12.4	14.5	14.3	14.8	15.8	15.5	22.4	19.8	19.9	38.6	38.1	37.4
50,000 to 99,999 lb	27.2	32.7	28.8	S	S	49.7	S	S	S	S	S	S
100,000 lb or more	37.3	S	S	S	S	S	S	S	S	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**15.8**	**16.7**	**14.7**	**11.5**	**16.4**	**16.7**	**9.8**	**12.3**	**12.5**	**13.2**	**19.6**	**20.4**
Less than 50 lb	33.5	32.8	34.0	41.4	42.4	40.3	32.0	35.1	35.1	S	S	50.0
50 to 99 lb	45.4	32.0	30.9	39.9	S	S	S	S	S	45.9	42.3	40.2
100 to 499 lb	22.5	19.2	19.5	37.1	33.4	35.7	21.0	29.7	29.9	S	43.9	44.2
500 to 749 lb	27.5	23.6	25.5	23.7	28.8	29.7	31.0	34.6	35.1	S	S	S
750 to 999 lb	29.0	28.0	25.3	46.8	40.5	38.9	S	49.4	49.9	S	S	S
1,000 to 9,999 lb	22.8	19.4	20.7	23.8	22.1	23.3	24.2	23.3	22.4	26.7	24.1	23.7
10,000 to 49,999 lb	19.2	18.0	16.0	13.3	18.1	18.6	10.8	13.7	14.0	14.5	14.6	14.5
50,000 to 99,999 lb	45.3	39.3	38.4	35.5	31.6	33.9	S	S	S	S	S	S
100,000 lb or more	36.2	37.7	41.7	32.6	30.6	32.0	30.7	29.7	32.7	36.4	39.6	40.1
SCTG 28, Paper or paperboard articles	**13.5**	**13.1**	**13.9**	**21.5**	**18.1**	**18.3**	**39.0**	**39.1**	**39.0**	**26.6**	**25.2**	**24.5**
Less than 50 lb	35.7	36.2	37.8	29.8	26.6	27.8	43.8	42.8	42.7	40.1	37.0	36.9
50 to 99 lb	47.0	23.1	23.1	S	36.5	38.0	26.1	25.9	25.8	44.0	30.2	31.3
100 to 499 lb	19.0	19.1	19.8	28.2	29.0	29.5	39.1	34.5	34.1	34.2	40.8	39.1
500 to 749 lb	30.3	31.0	31.8	S	32.2	30.3	S	S	S	S	46.3	44.1
750 to 999 lb	38.1	32.2	30.0	S	S	S	32.4	38.4	38.7	48.8	43.9	44.3
1,000 to 9,999 lb	14.7	12.3	12.4	48.6	21.2	22.2	32.2	28.2	28.3	31.1	35.4	35.2
10,000 to 49,999 lb	20.2	15.8	16.8	23.9	20.8	21.3	40.1	28.4	27.8	33.8	28.4	27.8
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–

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 Division: 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	**S**	**29.8**	**32.6**	**44.2**	**16.6**	**17.7**	**44.0**	**37.0**	**38.5**	**38.2**	**26.2**	**26.0**
Less than 50 lb	38.2	36.2	37.2	32.3	26.1	28.7	22.8	25.8	25.6	40.6	32.2	32.0
50 to 99 lb	45.7	47.3	S	45.5	35.6	40.9	47.6	39.3	36.8	S	S	S
100 to 499 lb	S	50.0	49.5	S	S	S	S	44.6	43.7	S	S	S
500 to 749 lb	S	S	S	S	23.4	22.7	S	S	S	S	S	S
750 to 999 lb	19.2	47.9	39.0	S	S	S	S	S	S	35.7	42.9	43.3
1,000 to 9,999 lb	S	S	S	S	31.0	34.6	S	32.2	34.4	33.5	18.3	18.4
10,000 to 49,999 lb	19.9	24.0	24.8	20.2	19.2	20.4	28.0	48.3	S	37.1	24.6	25.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**8.5**	**12.2**	**11.4**	**11.0**	**13.0**	**13.4**	**11.9**	**14.0**	**14.0**	**37.6**	**36.4**	**35.3**
Less than 50 lb	15.7	20.4	19.6	15.1	17.5	18.7	20.7	24.8	24.4	21.8	28.5	27.9
50 to 99 lb	14.6	16.2	17.1	8.7	13.6	14.0	17.5	10.6	10.9	S	S	S
100 to 499 lb	13.1	14.7	14.7	15.2	20.3	19.8	15.8	15.6	15.8	S	S	S
500 to 749 lb	16.3	14.3	14.5	32.3	27.5	31.8	28.0	24.5	24.5	46.0	44.1	45.6
750 to 999 lb	30.1	21.9	22.5	S	19.6	21.7	24.3	22.3	22.2	30.8	40.3	38.7
1,000 to 9,999 lb	14.6	15.6	18.0	15.0	14.5	14.7	18.8	13.4	12.7	33.6	14.7	15.1
10,000 to 49,999 lb	21.1	23.4	20.6	22.9	21.5	23.1	24.2	25.0	25.1	28.6	36.2	34.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**8.6**	**9.4**	**8.2**	**7.9**	**10.0**	**9.9**	**15.0**	**13.0**	**13.0**	**22.4**	**19.4**	**19.2**
Less than 50 lb	S	26.8	26.9	S	S	S	28.4	29.2	28.9	20.5	21.4	22.4
50 to 99 lb	23.7	19.1	21.4	28.4	31.8	31.3	38.1	S	S	40.1	S	S
100 to 499 lb	27.4	29.9	25.3	33.0	29.5	29.4	32.6	40.7	43.1	47.5	30.7	30.1
500 to 749 lb	28.1	24.2	22.6	26.0	23.9	22.9	44.7	40.7	41.2	33.8	S	S
750 to 999 lb	23.4	29.7	35.3	S	35.5	31.4	S	S	S	S	45.4	44.5
1,000 to 9,999 lb	26.0	25.5	30.4	13.6	11.7	10.3	31.1	17.7	18.3	49.5	37.0	36.3
10,000 to 49,999 lb	9.2	9.5	9.4	8.5	9.8	9.9	16.5	13.4	13.2	17.6	21.9	21.7
50,000 to 99,999 lb	10.6	19.7	15.6	23.5	29.3	27.7	46.8	43.9	44.3	S	S	S
100,000 lb or more	38.2	23.2	23.8	49.8	49.1	47.6	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13.4**	**12.7**	**15.7**	**33.0**	**14.0**	**14.5**	**24.3**	**14.4**	**15.8**	**19.6**	**16.1**	**16.2**
Less than 50 lb	36.3	43.7	46.2	43.2	43.8	42.4	44.3	25.9	25.8	38.5	35.6	34.9
50 to 99 lb	22.5	23.9	32.0	25.1	22.7	23.2	24.6	26.0	28.1	43.1	38.4	39.9
100 to 499 lb	19.2	16.0	15.5	21.1	24.2	25.2	42.7	19.8	20.0	27.7	24.6	24.7
500 to 749 lb	23.1	19.0	20.6	15.4	19.5	17.6	31.4	26.3	25.2	25.6	28.2	29.8
750 to 999 lb	22.2	31.2	29.8	26.6	27.4	27.0	S	20.1	19.9	32.8	33.0	32.7
1,000 to 9,999 lb	14.8	12.0	13.2	20.5	14.5	14.5	17.4	13.1	12.9	30.0	23.8	22.5
10,000 to 49,999 lb	18.1	10.3	10.4	35.0	13.5	13.9	30.3	12.3	12.7	20.2	11.8	11.7
50,000 to 99,999 lb	32.9	24.2	24.2	S	30.3	28.4	39.8	46.3	S	S	S	S
100,000 lb or more	33.8	34.8	37.6	S	30.3	31.2	S	S	S	49.5	40.1	38.8
SCTG 33, Articles of base metal	**12.3**	**24.3**	**29.9**	**8.7**	**17.7**	**17.6**	**10.3**	**11.2**	**12.6**	**12.2**	**13.6**	**15.5**
Less than 50 lb	21.2	12.6	11.8	16.3	14.1	14.0	16.4	21.9	22.0	24.3	16.4	16.9
50 to 99 lb	23.5	26.7	23.8	20.4	19.2	17.9	23.8	18.5	19.2	19.2	19.4	19.2
100 to 499 lb	16.7	17.7	19.0	14.2	20.0	18.8	17.1	19.8	19.1	20.9	18.6	17.9
500 to 749 lb	46.4	22.1	22.2	18.8	17.0	16.8	32.1	25.5	26.7	25.1	26.4	26.2
750 to 999 lb	24.7	25.2	25.1	45.5	26.3	24.0	20.9	25.2	23.8	32.8	32.3	33.5
1,000 to 9,999 lb	22.1	38.2	36.2	13.2	22.6	21.3	21.7	17.9	17.3	25.6	18.2	18.1
10,000 to 49,999 lb	20.0	26.1	25.2	13.2	15.3	15.1	16.1	15.2	16.6	18.1	15.8	16.8
50,000 to 99,999 lb	42.0	42.2	38.9	S	S	S	34.1	36.6	37.4	S	S	S
100,000 lb or more	S	S	S	39.0	S	49.3	S	S	S	45.0	S	S
SCTG 34, Machinery	**10.1**	**12.4**	**13.6**	**10.9**	**14.4**	**13.9**	**9.0**	**11.4**	**11.8**	**19.9**	**19.2**	**18.9**
Less than 50 lb	12.5	17.8	17.8	12.0	12.2	13.1	12.5	15.7	16.1	16.7	14.5	15.2
50 to 99 lb	15.0	26.2	27.0	14.8	16.2	16.4	19.5	14.4	14.9	43.8	44.1	47.7
100 to 499 lb	18.5	18.3	17.3	20.3	17.9	17.4	13.5	14.2	13.7	21.9	28.1	33.0
500 to 749 lb	49.9	38.2	40.1	25.0	30.3	32.8	23.0	23.4	24.6	29.9	28.5	30.2
750 to 999 lb	46.5	38.1	36.4	22.4	23.9	24.1	20.7	28.9	28.4	25.3	25.4	25.5
1,000 to 9,999 lb	18.4	16.7	16.4	18.3	13.8	13.2	19.0	18.5	18.3	21.4	23.7	24.0
10,000 to 49,999 lb	17.7	21.5	25.8	19.5	20.8	21.2	11.3	12.6	12.6	S	29.0	28.1
50,000 to 99,999 lb	S	44.3	37.2	33.5	37.3	45.3	49.7	S	S	S	S	S
100,000 lb or more	S	43.9	48.1	S	46.7	45.9	S	42.9	43.8	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9.1**	**9.3**	**8.3**	**11.1**	**19.0**	**18.7**	**23.2**	**17.4**	**17.1**	**9.9**	**21.8**	**21.5**
Less than 50 lb	8.7	12.5	12.2	15.7	16.1	15.9	13.7	13.6	13.5	12.1	11.8	11.6
50 to 99 lb	15.1	16.4	16.1	27.1	29.2	27.8	24.4	18.8	18.5	22.0	22.0	21.9
100 to 499 lb	17.8	10.2	11.2	11.9	15.3	13.6	30.9	17.2	17.1	28.5	32.8	35.1
500 to 749 lb	22.2	25.9	25.2	28.8	16.6	18.3	31.6	22.2	21.0	47.4	30.8	31.2
750 to 999 lb	S	18.7	19.4	28.5	20.8	23.5	34.5	28.9	30.5	32.8	32.0	32.6
1,000 to 9,999 lb	19.8	19.1	17.7	30.2	20.6	22.2	23.7	17.7	16.5	24.1	21.0	21.4
10,000 to 49,999 lb	23.3	14.5	15.4	17.7	25.7	24.9	48.0	24.4	24.6	31.1	44.5	44.2
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	–	–	–

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 Division: 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)	**11.7**	**9.7**	**9.7**	**16.3**	**13.9**	**15.6**	**22.0**	**26.3**	**24.9**	**15.1**	**17.4**	**17.7**
Less than 50 lb	23.0	26.0	24.3	16.0	19.3	19.8	29.0	26.2	26.1	32.2	32.9	38.3
50 to 99 lb	35.9	33.7	31.5	25.1	24.4	24.0	25.7	31.2	36.4	32.4	28.1	29.5
100 to 499 lb	34.9	19.4	20.4	27.6	28.3	27.0	30.3	39.5	44.7	37.7	36.4	38.4
500 to 749 lb	36.2	28.0	24.8	23.6	19.3	20.0	S	44.4	47.1	47.0	S	S
750 to 999 lb	48.2	39.8	31.1	S	S	S	44.7	44.5	41.7	S	S	S
1,000 to 9,999 lb	22.9	19.6	19.5	26.7	12.7	13.5	23.4	24.4	24.4	25.5	24.3	24.5
10,000 to 49,999 lb	15.8	12.9	13.2	13.6	17.7	17.5	24.4	22.6	21.1	29.9	24.6	25.0
50,000 to 99,999 lb	S	S	S	S	43.0	S	S	42.8	44.1	S	S	49.5
100,000 lb or more	S	S	S	S	47.2	48.9	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**21.5**	**25.7**	**25.9**	**31.2**	**S**	**S**	**37.7**	**S**	**S**	**19.1**	**30.9**	**31.5**
Less than 50 lb	46.0	26.0	25.8	37.5	49.1	48.1	24.0	30.7	30.7	47.5	36.6	35.1
50 to 99 lb	42.4	S	S	40.5	36.7	32.6	S	S	S	S	42.9	41.8
100 to 499 lb	S	34.6	36.3	S	41.5	41.5	S	S	S	44.1	43.2	43.3
500 to 749 lb	S	41.4	38.9	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	47.8	S	33.6	34.8	S	34.1	34.4	S	S	S
1,000 to 9,999 lb	S	33.8	31.3	48.8	48.5	47.1	47.4	34.7	33.9	49.6	S	S
10,000 to 49,999 lb	32.8	31.5	32.0	29.1	28.8	30.5	S	S	S	38.3	33.6	33.4
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**14.1**	**17.2**	**15.9**	**21.8**	**24.9**	**22.2**	**15.7**	**15.2**	**15.2**	**19.2**	**26.1**	**26.8**
Less than 50 lb	18.9	15.3	15.6	36.4	19.9	22.4	18.0	14.1	14.3	21.3	19.1	19.9
50 to 99 lb	16.8	24.3	30.4	44.7	28.6	28.1	46.7	26.0	26.9	28.2	30.0	29.2
100 to 499 lb	16.1	33.2	36.1	30.2	23.0	23.1	20.3	44.2	44.3	26.2	42.1	41.6
500 to 749 lb	S	S	44.5	46.1	42.7	47.0	29.8	29.7	29.1	S	S	S
750 to 999 lb	44.2	S	S	43.2	48.4	S	S	39.8	36.6	S	S	S
1,000 to 9,999 lb	32.8	27.8	27.9	26.1	26.8	27.5	38.1	36.4	36.3	S	S	S
10,000 to 49,999 lb	47.8	S	S	S	S	S	38.4	43.1	41.1	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**13.4**	**15.8**	**12.8**	**23.2**	**18.2**	**19.7**	**14.5**	**22.2**	**24.3**	**17.9**	**23.1**	**23.7**
Less than 50 lb	45.4	S	S	32.9	23.7	23.7	35.7	31.6	33.6	39.9	23.2	22.9
50 to 99 lb	41.8	25.7	24.3	25.6	20.5	19.9	32.4	26.9	29.5	25.2	22.6	22.3
100 to 499 lb	33.3	19.0	17.2	20.1	15.6	16.0	17.9	19.5	20.1	27.0	29.0	28.3
500 to 749 lb	28.0	24.4	22.9	23.6	19.4	18.4	31.3	28.6	26.8	30.4	32.4	32.7
750 to 999 lb	25.6	23.2	24.7	35.8	48.6	45.4	35.9	33.3	33.9	42.4	34.0	32.2
1,000 to 9,999 lb	15.5	20.7	19.3	25.7	24.0	25.4	23.0	35.8	38.4	29.9	31.4	31.7
10,000 to 49,999 lb	32.8	33.0	27.7	39.7	26.0	27.8	28.1	31.2	30.1	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**11.3**	**20.5**	**18.6**	**9.4**	**17.0**	**16.8**	**8.6**	**16.1**	**16.9**	**12.1**	**16.1**	**15.5**
Less than 50 lb	20.1	20.6	18.4	17.1	20.7	21.0	17.0	43.8	42.3	22.6	S	S
50 to 99 lb	16.2	19.1	17.0	18.4	15.3	16.1	17.4	13.2	12.9	17.3	18.4	18.2
100 to 499 lb	11.5	11.3	11.4	14.6	10.4	10.8	21.7	21.5	21.9	12.9	15.1	15.1
500 to 749 lb	23.4	15.5	15.6	19.2	20.8	21.1	15.1	22.1	20.6	24.4	30.9	30.6
750 to 999 lb	25.2	21.2	20.2	33.9	20.2	26.1	31.2	23.5	23.0	32.0	23.6	23.4
1,000 to 9,999 lb	12.2	13.8	14.7	17.5	23.6	23.8	19.6	15.7	15.9	25.2	19.0	18.0
10,000 to 49,999 lb	30.3	31.7	28.9	18.4	21.6	21.6	17.1	21.5	22.6	19.1	24.3	24.3
50,000 to 99,999 lb	25.6	30.3	27.6	38.1	43.8	44.6	S	S	S	–	–	–
100,000 lb or more	S	46.2	48.0	S	S	S	–	–	–	–	–	–
SCTG 41, Waste and scrap	**17.8**	**16.6**	**16.8**	**22.2**	**32.6**	**33.8**	**37.8**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	48.2	48.1	S	S	S
500 to 749 lb	S	S	S	S	S	S	48.9	46.4	46.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	40.9	33.3	36.0	46.7	41.3	41.0	S	S	S
10,000 to 49,999 lb	20.6	19.1	19.7	21.0	26.3	27.5	25.2	26.0	26.3	30.8	34.3	36.2
50,000 to 99,999 lb	31.5	29.3	28.3	39.2	36.7	35.1	S	S	S	–	–	–
100,000 lb or more	38.9	43.3	42.4	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**12.2**	**12.9**	**13.5**	**17.8**	**28.2**	**29.0**	**47.5**	**39.1**	**41.3**	**S**	**40.0**	**39.0**
Less than 50 lb	29.9	33.7	34.3	45.9	43.9	45.4	S	S	S	S	S	S
50 to 99 lb	41.2	41.3	40.2	31.4	40.8	38.4	S	49.8	S	S	S	S
100 to 499 lb	32.2	32.4	34.2	42.6	S	49.8	49.1	47.2	48.2	S	S	S
500 to 749 lb	S	S	S	48.4	43.6	41.2	S	S	S	S	S	S
750 to 999 lb	34.8	32.4	30.5	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	20.1	22.9	24.0	22.8	30.7	29.0	S	46.0	46.0	S	38.5	38.9
10,000 to 49,999 lb	23.5	16.3	18.1	24.1	31.8	33.3	41.2	43.6	46.1	S	46.0	44.8
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 Division: 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	**24.7**	**22.1**	**24.9**	**18.7**	**21.7**	**22.1**	**41.4**	**43.1**	**42.0**	**25.9**	**29.7**	**30.8**
Less than 50 lb	31.2	33.0	31.1	34.7	S	S	42.7	32.6	31.3	S	S	S
50 to 99 lb	43.3	39.1	41.0	S	37.2	37.1	S	S	S	S	S	S
100 to 499 lb	45.7	47.3	43.2	37.4	29.4	29.7	S	48.7	49.4	S	48.7	48.0
500 to 749 lb	S	S	S	47.3	46.6	49.4	S	S	S	S	S	S
750 to 999 lb	S	43.8	41.1	S	S	S	S	41.3	40.6	S	S	S
1,000 to 9,999 lb	32.0	38.5	45.2	46.7	42.7	47.0	S	S	S	48.2	S	S
10,000 to 49,999 lb	43.4	24.9	24.3	32.7	26.1	25.0	49.2	40.2	38.8	39.1	35.5	36.7
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 Division: 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	**4.5**	**21.5**	**21.3**	**14.5**	**12.4**	**12.2**	**7.0**	**6.0**	**6.6**
Less than 50 lb	6.3	11.7	11.5	16.2	9.2	9.2	7.6	12.7	12.5
50 to 99 lb	14.4	24.3	25.2	18.7	28.1	29.3	14.0	12.9	12.8
100 to 499 lb	16.2	9.1	9.8	27.4	12.7	13.0	15.1	21.0	20.6
500 to 749 lb	18.8	12.1	13.9	S	21.8	23.1	19.4	33.3	33.0
750 to 999 lb	14.5	10.7	10.5	28.1	18.4	18.3	S	S	S
1,000 to 9,999 lb	10.3	8.5	9.0	40.7	17.9	16.6	10.1	11.3	10.5
10,000 to 49,999 lb	8.5	7.5	7.5	9.6	15.2	15.6	8.3	6.7	6.7
50,000 to 99,999 lb	25.1	23.6	23.4	39.0	45.8	46.6	22.6	27.9	27.6
100,000 lb or more	30.2	49.8	48.4	S	36.0	35.3	25.6	26.4	28.3
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–
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	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 03, Other agricultural products	**29.3**	**32.2**	**30.8**	**40.1**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	47.6	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	41.4	40.9
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	46.4	39.1	37.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**37.6**	**28.4**	**28.6**	**S**	**S**	**S**	**S**	**45.2**	**47.2**
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
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	43.8	34.7	34.8	S	S	S	S	46.9	46.5
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**33.7**	**35.9**	**36.9**	**47.8**	**48.7**	**48.9**	**24.2**	**25.5**	**25.6**
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	48.2	42.6	39.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	46.4	46.9	48.9	S	S	S	S	S	S
1,000 to 9,999 lb	31.4	32.9	32.9	35.6	35.8	35.4	41.6	42.0	42.0
10,000 to 49,999 lb	36.7	38.8	39.7	S	S	S	29.8	29.1	29.2
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**20.6**	**19.4**	**20.0**	**S**	**34.0**	**33.5**	**18.2**	**28.2**	**28.3**
Less than 50 lb	S	S	S	S	S	S	47.9	45.1	45.4
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
750 to 999 lb	S	S	S	S	S	S	49.3	44.6	44.2
1,000 to 9,999 lb	28.6	29.4	29.6	28.8	27.5	27.6	46.9	49.3	S
10,000 to 49,999 lb	22.3	21.5	22.3	S	35.8	35.4	20.3	23.6	21.8
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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	**14.1**	**14.5**	**14.5**	**18.1**	**22.9**	**24.5**	**14.5**	**13.3**	**13.3**
Less than 50 lb	S	S	S	S	S	S	47.4	S	S
50 to 99 lb	S	S	S	S	S	S	S	42.8	43.0
100 to 499 lb	38.5	S	S	42.8	38.0	37.2	40.3	40.4	41.2
500 to 749 lb	48.4	40.1	39.3	S	48.6	49.4	45.8	41.3	40.9
750 to 999 lb	S	S	S	S	47.4	47.5	40.8	48.5	47.3
1,000 to 9,999 lb	22.0	14.6	14.0	41.9	32.4	32.1	S	43.8	44.1
10,000 to 49,999 lb	16.1	15.2	15.4	21.1	25.7	27.7	14.0	15.4	15.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 08, Alcoholic beverages	**43.6**	**43.0**	**42.5**	**S**	**43.4**	**42.4**	**40.3**	**35.4**	**38.2**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	46.1	47.4	48.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	49.8	S	48.7	48.2	44.0	38.1	41.3
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 09, Tobacco products	**44.9**	**31.4**	**31.5**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	42.2	44.0	S	48.7	48.7	S	44.3	44.0
50 to 99 lb	S	49.2	49.6	–	–	–	S	S	S
100 to 499 lb	S	47.1	48.0	S	S	S	S	S	S
500 to 749 lb	46.4	43.6	44.1	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**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	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**44.2**	**44.7**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	49.1	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	48.1	48.5
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
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 Division: 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	**41.4**	**41.1**	**40.6**	**41.5**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	48.4	43.3	44.0	48.2	S	S	43.7	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**S**	**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	–	–	–	–	–	–	–	–	–
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 17, Gasoline and aviation turbine fuel	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**48.2**	**S**	**S**	**S**	**S**	**S**	**36.2**	**40.1**	**41.0**
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	48.9	48.3	S	S	S	S	41.2	40.1
500 to 749 lb	–	–	–	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	46.3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	43.9	40.9	40.6
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**16.0**	**S**	**48.6**	**25.0**	**S**	**S**	**12.6**	**14.0**	**14.2**
Less than 50 lb	39.8	S	S	40.6	S	S	47.5	35.5	35.9
50 to 99 lb	S	45.9	46.4	S	S	S	49.9	S	49.5
100 to 499 lb	S	S	S	46.8	35.7	36.1	41.9	44.2	44.6
500 to 749 lb	42.9	49.3	49.8	S	38.9	39.0	38.0	33.5	33.1
750 to 999 lb	42.0	29.3	28.5	S	S	S	47.3	45.5	45.0
1,000 to 9,999 lb	19.3	22.6	23.2	28.6	27.7	28.4	19.7	23.3	23.2
10,000 to 49,999 lb	21.2	38.8	38.4	34.1	S	S	18.3	19.2	18.5
50,000 to 99,999 lb	44.8	36.7	37.6	S	S	S	S	S	S
100,000 lb or more	31.7	S	S	–	–	–	45.1	42.8	42.9
SCTG 21, Pharmaceutical products	**41.7**	**24.6**	**23.7**	**43.7**	**25.2**	**25.5**	**27.5**	**16.4**	**16.7**
Less than 50 lb	25.6	37.3	37.4	S	37.0	37.1	42.4	32.7	33.1
50 to 99 lb	45.6	S	S	S	41.6	41.3	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	28.7	28.8
500 to 749 lb	43.3	32.4	32.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	37.6	36.8
1,000 to 9,999 lb	45.9	41.2	40.3	S	S	S	46.4	S	S
10,000 to 49,999 lb	35.6	S	S	S	S	S	48.0	23.5	23.4
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 Division: 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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**22.1**	**17.6**	**18.0**	**S**	**19.4**	**19.4**	**34.8**	**24.7**	**21.7**
Less than 50 lb	28.6	19.0	19.1	41.8	30.3	31.5	33.6	20.2	20.3
50 to 99 lb	28.5	29.3	29.2	S	S	S	S	28.0	27.6
100 to 499 lb	S	25.9	26.2	33.3	28.0	27.1	S	36.5	31.1
500 to 749 lb	42.2	35.5	36.6	S	S	S	S	29.9	29.9
750 to 999 lb	S	46.3	49.0	46.0	40.7	41.4	43.8	29.7	30.1
1,000 to 9,999 lb	33.1	26.5	26.5	49.4	33.8	33.1	S	41.4	36.0
10,000 to 49,999 lb	25.2	20.1	19.9	31.5	31.4	32.3	30.2	25.2	25.1
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	35.7	37.7	36.0	–	–	–	S	S	S
SCTG 24, Plastics and rubber	**12.3**	**30.3**	**35.7**	**14.4**	**22.8**	**22.7**	**11.4**	**27.7**	**31.2**
Less than 50 lb	22.2	20.7	20.6	27.8	25.4	25.9	17.6	16.7	16.9
50 to 99 lb	31.9	30.0	31.5	35.0	29.1	27.6	24.9	28.7	28.5
100 to 499 lb	24.5	33.6	33.8	21.5	19.2	18.3	27.8	25.1	25.1
500 to 749 lb	23.2	23.7	23.2	38.8	S	S	41.4	26.8	27.5
750 to 999 lb	29.1	29.2	29.8	25.7	42.0	42.1	29.6	23.5	23.6
1,000 to 9,999 lb	18.2	14.1	13.9	14.1	12.7	12.9	20.7	17.9	18.2
10,000 to 49,999 lb	16.0	16.6	17.2	27.8	27.5	26.3	16.1	30.8	30.7
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 25, Logs and other wood in the rough	**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	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**28.7**	**47.8**	**46.4**	**S**	**S**	**S**	**18.0**	**34.4**	**33.8**
Less than 50 lb	S	45.8	46.9	S	49.6	48.2	36.3	33.0	33.0
50 to 99 lb	46.8	47.2	47.2	S	S	S	S	S	S
100 to 499 lb	41.4	S	S	42.4	S	S	42.4	42.1	41.9
500 to 749 lb	34.5	44.8	44.7	S	S	S	40.6	S	S
750 to 999 lb	S	S	S	S	S	S	43.8	48.2	48.7
1,000 to 9,999 lb	40.6	31.3	31.4	S	S	S	49.6	34.6	34.7
10,000 to 49,999 lb	20.1	15.5	16.1	S	S	S	18.6	22.4	22.1
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
SCTG 27, Pulp, newsprint, paper, and paperboard	**15.7**	**16.3**	**17.4**	**33.1**	**24.7**	**25.0**	**13.2**	**19.6**	**20.0**
Less than 50 lb	S	S	S	43.9	S	S	S	S	S
50 to 99 lb	43.9	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.4	44.1	41.8	44.7	46.2	43.2	26.4	26.6
500 to 749 lb	S	S	S	S	S	S	37.6	43.4	44.7
750 to 999 lb	45.3	43.9	46.4	S	S	S	S	S	S
1,000 to 9,999 lb	35.0	32.7	31.6	22.8	28.8	27.9	37.6	35.3	35.3
10,000 to 49,999 lb	15.0	18.7	20.1	37.7	26.3	26.3	14.9	16.4	16.6
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	42.7	43.9	43.5
SCTG 28, Paper or paperboard articles	**17.3**	**24.5**	**25.4**	**35.9**	**S**	**S**	**19.5**	**33.8**	**31.8**
Less than 50 lb	36.7	42.0	40.2	43.3	37.3	36.2	49.3	44.9	45.0
50 to 99 lb	43.3	40.2	39.6	S	38.9	39.3	46.2	42.2	42.2
100 to 499 lb	S	38.8	38.1	38.2	44.5	42.2	29.4	46.1	47.1
500 to 749 lb	26.8	34.6	34.2	44.9	39.3	39.2	S	44.7	44.6
750 to 999 lb	40.5	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.9	30.8	31.1	41.3	34.0	35.2	29.8	26.5	26.7
10,000 to 49,999 lb	26.7	32.4	33.7	S	S	S	32.2	45.4	42.5
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 Division: 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	**36.7**	**19.9**	**20.7**	**S**	**S**	**S**	**S**	**37.7**	**36.9**
Less than 50 lb	42.0	38.5	38.6	29.7	26.4	26.0	28.3	34.4	34.2
50 to 99 lb	S	S	S	S	S	S	49.9	S	S
100 to 499 lb	S	S	S	36.5	40.2	39.7	S	S	S
500 to 749 lb	S	46.2	47.1	S	41.1	40.5	S	S	S
750 to 999 lb	45.1	39.1	40.7	S	S	S	S	S	S
1,000 to 9,999 lb	29.7	20.1	19.7	S	S	S	S	S	S
10,000 to 49,999 lb	33.2	26.7	26.6	44.0	40.2	39.6	22.3	39.2	40.6
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**16.3**	**24.5**	**25.7**	**20.3**	**14.5**	**14.6**	**14.2**	**13.2**	**13.4**
Less than 50 lb	21.4	28.3	27.3	34.5	30.1	29.9	17.0	22.3	23.3
50 to 99 lb	S	S	S	S	S	S	20.4	17.7	17.6
100 to 499 lb	22.5	23.9	22.8	20.2	21.7	22.2	32.6	36.7	37.7
500 to 749 lb	20.4	26.3	25.4	29.9	29.1	28.8	24.6	28.2	27.3
750 to 999 lb	26.8	27.7	25.8	S	S	S	43.1	35.0	33.4
1,000 to 9,999 lb	21.6	42.9	45.3	31.4	24.6	25.4	17.1	17.0	17.2
10,000 to 49,999 lb	26.3	22.9	23.5	S	S	S	27.8	27.4	27.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**17.9**	**17.4**	**17.4**	**23.2**	**29.5**	**30.5**	**16.2**	**37.9**	**35.5**
Less than 50 lb	34.7	32.1	32.3	S	S	S	43.6	S	S
50 to 99 lb	31.8	27.8	28.7	S	40.6	38.5	34.9	37.2	37.7
100 to 499 lb	21.6	24.8	25.4	35.9	S	S	20.5	18.3	18.1
500 to 749 lb	30.5	26.7	26.1	49.9	40.6	39.9	S	42.2	43.8
750 to 999 lb	23.4	30.3	28.7	S	44.9	45.0	47.5	23.6	23.4
1,000 to 9,999 lb	30.9	39.0	37.2	37.7	28.5	28.6	28.9	25.2	25.2
10,000 to 49,999 lb	20.8	14.2	15.3	41.8	40.0	39.2	22.4	38.6	37.1
50,000 to 99,999 lb	S	S	S	S	S	S	46.1	S	S
100,000 lb or more	S	43.8	45.6	41.1	S	S	46.6	47.3	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13.1**	**15.7**	**17.3**	**26.5**	**25.3**	**24.9**	**32.9**	**20.0**	**20.1**
Less than 50 lb	42.8	42.2	40.5	49.4	S	S	35.4	S	S
50 to 99 lb	29.0	29.9	29.5	27.2	30.7	30.0	34.9	22.1	22.5
100 to 499 lb	27.1	35.1	34.5	27.2	25.2	24.7	S	41.0	41.1
500 to 749 lb	42.8	39.6	37.0	S	45.1	45.0	S	50.0	49.5
750 to 999 lb	40.4	37.2	37.6	48.2	43.1	42.8	36.4	40.8	41.6
1,000 to 9,999 lb	15.1	17.4	17.5	47.3	37.5	37.0	44.7	25.9	26.8
10,000 to 49,999 lb	17.3	14.0	15.5	41.1	33.0	32.6	40.3	25.6	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	38.3	37.8
100,000 lb or more	38.0	41.9	41.8	S	S	S	S	S	S
SCTG 33, Articles of base metal	**11.0**	**17.5**	**19.8**	**30.7**	**S**	**S**	**20.7**	**17.8**	**17.8**
Less than 50 lb	22.7	21.5	22.0	S	20.4	20.8	41.9	S	S
50 to 99 lb	21.0	33.9	36.3	S	S	S	37.1	30.3	28.8
100 to 499 lb	20.5	19.1	20.1	21.0	26.9	28.0	20.3	20.7	21.0
500 to 749 lb	30.1	31.2	33.0	40.7	43.6	42.6	19.2	26.5	26.0
750 to 999 lb	36.6	27.9	28.2	S	S	S	32.3	29.4	29.7
1,000 to 9,999 lb	19.6	15.9	15.8	23.4	27.4	27.3	31.9	30.4	30.9
10,000 to 49,999 lb	11.8	17.5	18.3	39.8	38.8	39.1	29.0	37.1	37.2
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 34, Machinery	**11.1**	**14.8**	**14.3**	**19.8**	**20.6**	**20.0**	**12.8**	**14.1**	**14.6**
Less than 50 lb	16.2	15.1	15.9	13.8	18.3	18.1	25.0	23.4	23.9
50 to 99 lb	34.1	24.6	22.9	35.0	44.2	47.2	41.9	26.0	26.1
100 to 499 lb	18.5	17.9	18.3	32.4	45.9	46.6	21.8	20.1	20.2
500 to 749 lb	S	S	S	42.9	40.1	40.3	48.7	46.3	42.6
750 to 999 lb	36.7	38.1	35.5	41.7	47.9	48.6	36.4	33.2	33.5
1,000 to 9,999 lb	17.1	13.1	12.5	28.9	24.9	24.9	27.1	20.7	20.8
10,000 to 49,999 lb	19.1	18.0	17.5	34.0	37.1	36.8	27.7	24.4	25.5
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 35, Electronic and other electrical equipment and components and office equipment	**16.5**	**13.3**	**12.6**	**14.8**	**22.9**	**23.5**	**11.7**	**13.0**	**13.1**
Less than 50 lb	10.5	9.5	9.4	13.3	12.5	12.9	14.5	18.9	19.2
50 to 99 lb	21.3	21.7	21.5	36.4	26.4	27.3	27.0	17.2	17.4
100 to 499 lb	44.8	16.0	16.6	15.6	12.0	11.9	16.1	16.7	16.3
500 to 749 lb	39.4	30.3	30.4	S	S	S	S	26.3	26.8
750 to 999 lb	38.1	30.0	30.5	S	S	S	S	39.8	40.2
1,000 to 9,999 lb	26.9	20.1	20.0	27.9	45.2	43.0	31.7	21.8	21.6
10,000 to 49,999 lb	49.4	22.9	22.0	31.4	32.0	32.5	28.6	22.4	22.4
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the Division: 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)	**20.9**	**32.4**	**32.2**	**28.7**	**29.0**	**28.8**	**19.0**	**15.9**	**15.9**
Less than 50 lb	33.5	35.1	35.9	39.3	30.7	30.1	49.9	S	S
50 to 99 lb	32.7	36.9	36.9	47.1	S	S	29.7	47.4	46.1
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	34.5	35.0	S	S	S	35.3	32.7	32.6
750 to 999 lb	46.2	35.7	36.5	–	–	–	S	S	S
1,000 to 9,999 lb	29.9	29.7	31.2	41.0	36.1	38.3	27.1	21.4	21.6
10,000 to 49,999 lb	41.0	46.9	46.7	49.7	40.7	40.4	40.7	37.0	37.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**32.5**	**36.5**	**38.9**	**S**	**S**	**S**	**22.6**	**S**	**S**
Less than 50 lb	37.9	47.8	S	42.3	31.2	31.0	34.1	S	S
50 to 99 lb	43.9	S	S	S	S	S	39.0	40.0	40.2
100 to 499 lb	S	S	S	S	43.1	42.6	37.0	34.9	35.6
500 to 749 lb	46.7	S	S	S	S	S	S	38.0	37.9
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.0	35.6	35.9	S	S	S	31.3	S	50.0
10,000 to 49,999 lb	37.9	37.2	36.5	S	S	S	40.5	S	S
50,000 to 99,999 lb	48.6	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**15.1**	**20.3**	**19.5**	**21.5**	**33.1**	**33.2**	**15.3**	**30.2**	**30.1**
Less than 50 lb	19.9	12.4	12.5	23.6	14.2	13.6	22.4	18.3	18.3
50 to 99 lb	32.9	19.7	19.1	S	27.9	27.9	26.3	30.8	30.0
100 to 499 lb	26.8	43.8	43.0	31.2	S	S	26.6	45.3	43.6
500 to 749 lb	33.1	S	S	S	S	S	S	S	S
750 to 999 lb	S	41.1	42.5	S	S	S	S	S	S
1,000 to 9,999 lb	37.0	39.1	39.7	S	S	S	48.7	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**21.8**	**22.0**	**22.0**	**29.0**	**36.5**	**36.2**	**19.5**	**23.7**	**23.9**
Less than 50 lb	S	31.1	30.2	32.2	43.4	42.6	S	37.2	36.8
50 to 99 lb	S	34.0	32.1	41.1	37.2	39.0	30.7	34.7	34.4
100 to 499 lb	26.2	30.2	29.8	37.4	47.3	44.8	34.5	25.8	26.1
500 to 749 lb	33.3	29.1	30.1	S	S	S	33.4	36.9	37.3
750 to 999 lb	S	46.5	45.1	38.7	43.0	42.6	41.9	45.1	43.8
1,000 to 9,999 lb	31.8	30.9	30.9	47.2	S	S	26.3	27.5	27.5
10,000 to 49,999 lb	S	S	S	S	S	S	35.7	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**8.3**	**15.7**	**16.2**	**29.7**	**19.2**	**18.5**	**7.8**	**20.2**	**20.0**
Less than 50 lb	11.1	21.0	21.7	42.6	19.3	19.7	10.1	36.4	35.6
50 to 99 lb	16.9	17.1	17.1	41.5	S	S	19.1	25.1	24.7
100 to 499 lb	21.6	16.1	16.6	30.4	36.5	36.4	11.7	14.0	14.1
500 to 749 lb	28.2	28.8	29.1	43.1	43.7	43.2	30.3	21.8	21.8
750 to 999 lb	S	32.0	32.8	30.5	27.7	27.4	30.6	34.8	35.6
1,000 to 9,999 lb	19.9	17.1	17.6	29.8	31.4	34.5	21.3	24.6	23.9
10,000 to 49,999 lb	24.9	25.1	25.9	35.5	48.6	47.0	25.7	37.1	37.5
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 41, Waste and scrap	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	47.9	47.7	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	46.3	46.6	S	S	S	S	S	S
10,000 to 49,999 lb	36.4	S	S	–	–	–	48.7	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 43, Mixed freight	**30.4**	**39.8**	**39.6**	**39.7**	**S**	**S**	**S**	**47.5**	**45.9**
Less than 50 lb	47.6	S	S	S	S	S	48.1	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	42.8	42.1	41.7	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	35.0	28.1	28.1	S	S	S	38.9	43.9	44.4
10,000 to 49,999 lb	39.2	40.0	40.0	S	S	S	S	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 Division: 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	**29.5**	**25.8**	**26.0**	**S**	**S**	**S**	**30.4**	**S**	**S**
Less than 50 lb	48.5	37.3	36.5	S	S	S	42.2	32.3	33.0
50 to 99 lb	S	49.4	49.1	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	42.9	42.4
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	48.9	S	S
10,000 to 49,999 lb	40.5	33.1	35.3	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

– 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.

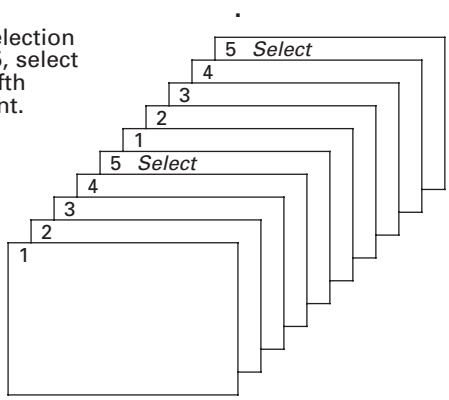
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

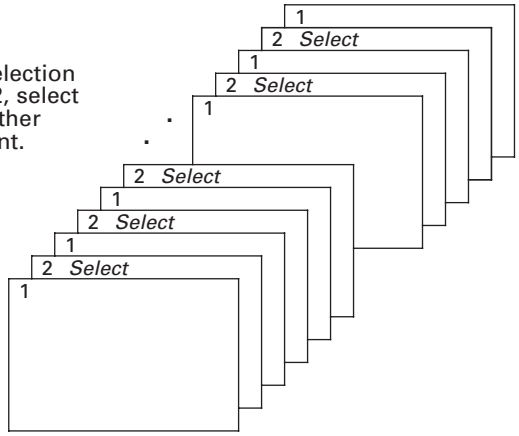
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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.

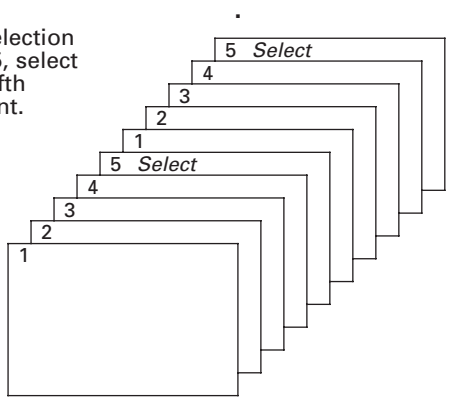
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

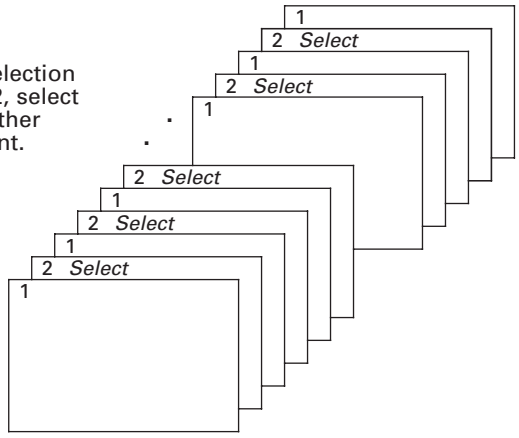
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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).

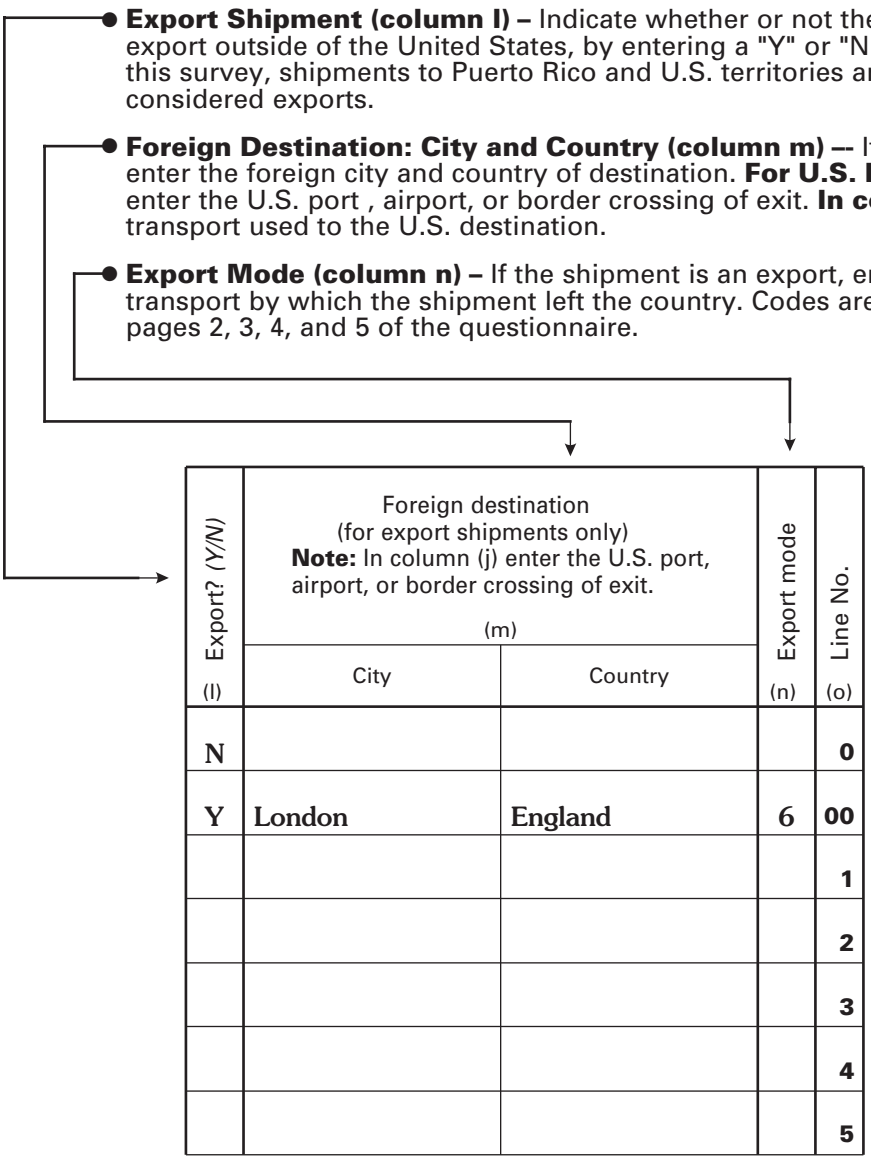
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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.