Mountain Division

1997

Issued April 2000

EC97TCF-DIV(8)

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

BASIS OF REPORTING

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

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

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

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

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

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

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

SOURCES FOR MORE INFORMATION

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

1997 Commodity Flow Survey

GENERAL

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

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

INDUSTRY COVERAGE

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

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

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

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

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

SHIPMENT COVERAGE

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

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

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

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

Mileage Data for Pipeline Shipments

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

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

DISCLOSURE RULES

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

EXPLANATION OF TERMS

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

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

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

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

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

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

Mode Definitions

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

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

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

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

   Private truck
   For-hire truck
   Rail
   Shallow draft vessel
   Deep draft vessel
   Pipeline

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

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.

5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as "Other" or "Unknown."

6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.

7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as "Other multiple modes."

8. **Great Lakes.** In the tables in this publication, "Great Lakes" appears as a single mode. ORNL's transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the "Mileage Calculations" section for more details).

Other Definitions and Terms

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

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

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States exclude any mileages through Canada (see the "Mileage Calculations" section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

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

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

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

ABBREVIATIONS AND SYMBOLS

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

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

OTHER TRANSPORTATION DATA

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

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

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

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

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

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

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

Table 1a. **Shipment Characteristics by Mode of Transportation for the 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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**	**534**
Single modes	**223 814**	**77.0**	**777 444**	**91.4**	**427 512**	**88.5**	**133**
Truck[1]	182 354	62.7	383 058	45.0	56 740	11.8	86
For-hire truck	90 727	31.2	132 428	15.6	39 395	8.2	497
Private truck	91 141	31.4	249 518	29.3	17 093	3.5	39
Rail	19 764	6.8	381 855	44.9	368 426	76.3	1 057
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	19 655	6.8	270	–	505	.1	1 570
Pipeline[2]	2 041	.7	12 262	1.4	S	S	S
Multiple modes	**57 398**	**19.7**	**39 211**	**4.6**	**52 512**	**10.9**	**854**
Parcel, U.S. Postal Service or courier	55 569	19.1	1 162	.1	1 055	.2	854
Truck and rail	1 486	.5	S	S	S	S	992
Truck and water	139	–	91	–	132	–	2 259
Rail and water	172	–	27 019	3.2	39 237	8.1	1 457
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	**9 499**	**3.3**	**34 238**	**4.0**	**2 804**	**.6**	**199**

– 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	**290 711**	**229 993**	**26.4**	**850 893**	**850 593**	**–**	**482 828**	**435 495**	**10.9**	**534**	**444**	**20.5**
Single modes	**223 814**	**196 525**	**13.9**	**777 444**	**719 487**	**8.1**	**427 512**	**399 428**	**7.0**	**133**	**199**	**-33.2**
Truck[1]	182 354	162 809	12.0	383 058	301 505	27.0	56 740	46 533	21.9	86	113	–23.6
For-hire truck	90 727	94 776	–4.3	132 428	128 023	3.4	39 395	34 489	14.2	497	473	4.9
Private truck	91 141	67 395	35.2	249 518	172 276	44.8	17 093	11 819	44.6	39	50	–21.8
Rail	19 764	18 974	4.2	381 855	407 438	–6.3	368 426	351 862	4.7	1 057	1 074	–1.5
Water	–	S	S	–	S	S	–	S	S	–	2 543	–100.0
Shallow draft	–	S	S	–	S	S	–	S	S	–	378	–100.0
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	–	S	S	–	S	S	–	S	S	–	3 076	–100.0
Air (includes truck and air)	19 655	12 241	60.6	270	146	84.7	505	206	145.3	1 570	1 561	.6
Pipeline[2]	2 041	2 499	–18.4	12 262	10 397	17.9	S	S	S	S	S	S
Multiple modes	**57 398**	**25 940**	**121.3**	**39 211**	**23 009**	**70.4**	**52 512**	**27 509**	**90.9**	**854**	**830**	**2.9**
Parcel, U.S. Postal Service or courier	55 569	22 148	150.9	1 162	668	73.8	1 055	506	108.5	854	829	3.0
Truck and rail	1 486	3 687	–59.7	S	11 961	S	S	6 238	S	992	941	5.4
Truck and water	139	49	184.6	91	36	150.1	132	62	113.8	2 259	3 029	–25.4
Rail and water	172	56	206.7	27 019	10 343	161.2	39 237	20 704	89.5	1 457	1 916	–24.0
Other multiple modes	S	–	S	S	–	S	S	–	S	16	–	S
Other and unknown modes	**9 499**	**7 529**	**26.2**	**34 238**	**108 097**	**-68.3**	**2 804**	**8 557**	**-67.2**	**199**	**516**	**-61.3**

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

[1]"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.
[2]CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 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	**77.0**	**85.4**	**91.4**	**84.6**	**88.5**	**91.7**
Truck[1]	62.7	70.8	45.0	35.4	11.8	10.7
For-hire truck	31.2	41.2	15.6	15.1	8.2	7.9
Private truck	31.4	29.3	29.3	20.3	3.5	2.7
Rail	6.8	8.2	44.9	47.9	76.3	80.8
Water	–	S	–	S	–	S
Shallow draft	–	S	–	S	–	S
Great Lakes	–	–	–	–	–	–
Deep draft	–	S	–	S	–	S
Air (includes truck and air)	6.8	5.3	–	–	.1	–
Pipeline[2]	.7	1.1	1.4	1.2	S	S
Multiple modes	**19.7**	**11.3**	**4.6**	**2.7**	**10.9**	**6.3**
Parcel, U.S. Postal Service or courier	19.1	9.6	.1	–	.2	.1
Truck and rail	.5	1.6	S	1.4	S	1.4
Truck and water	–	–	–	–	–	–
Rail and water	–	–	3.2	1.2	8.1	4.8
Other multiple modes	S	–	S	–	S	–
Other and unknown modes	**3.3**	**3.3**	**4.0**	**12.7**	**.6**	**2.0**

– 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 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	**482 828**	**100.0**	**528**
Truck	57 802	12.0	86
Rail	409 394	84.8	1 043
Shallow draft	8 998	1.9	362
Great Lakes	S	S	312
Deep draft	87	–	2 658
Air	491	.1	1 502
Parcel, U.S. Postal Service or courier	1 055	.2	854
Pipeline	S	S	S
Other and unknown modes	2 812	.6	199

– 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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**
Less than 50 miles	87 993	30.3	330 521	38.8	6 713	1.4
50 to 99 miles	16 127	5.5	67 644	7.9	7 338	1.5
100 to 249 miles	25 147	8.7	66 275	7.8	14 659	3.0
250 to 499 miles	35 050	12.1	52 762	6.2	27 228	5.6
500 to 749 miles	30 150	10.4	109 510	12.9	102 356	21.2
750 to 999 miles	24 400	8.4	119 382	14.0	146 075	30.3
1,000 to 1,499 miles	33 999	11.7	92 223	10.8	150 067	31.1
1,500 to 1,999 miles	23 235	8.0	10 880	1.3	23 840	4.9
2,000 miles or more	14 611	5.0	1 697	.2	4 551	.9
Single modes	**223 814**	**100.0**	**777 444**	**100.0**	**427 512**	**100.0**
Less than 50 miles	78 441	35.0	299 361	38.5	6 452	1.5
50 to 99 miles	14 053	6.3	63 548	8.2	6 569	1.5
100 to 249 miles	21 555	9.6	65 316	8.4	14 416	3.4
250 to 499 miles	25 781	11.5	50 802	6.5	25 966	6.1
500 to 749 miles	22 704	10.1	106 302	13.7	99 255	23.2
750 to 999 miles	15 905	7.1	101 376	13.0	122 253	28.6
1,000 to 1,499 miles	23 722	10.6	78 756	10.1	125 588	29.4
1,500 to 1,999 miles	15 239	6.8	10 523	1.4	23 104	5.4
2,000 miles or more	6 413	2.9	1 461	.2	3 911	.9
Truck[1]	**182 354**	**100.0**	**383 058**	**100.0**	**56 740**	**100.0**
Less than 50 miles	75 207	41.2	260 733	68.1	5 778	10.2
50 to 99 miles	12 523	6.9	40 841	10.7	4 022	7.1
100 to 249 miles	19 206	10.5	38 586	10.1	7 759	13.7
250 to 499 miles	20 294	11.1	17 451	4.6	7 951	14.0
500 to 749 miles	15 756	8.6	9 064	2.4	7 016	12.4
750 to 999 miles	11 235	6.2	5 165	1.3	5 710	10.1
1,000 to 1,499 miles	15 194	8.3	7 555	2.0	10 843	19.1
1,500 to 1,999 miles	9 676	5.3	3 056	.8	6 111	10.8
2,000 miles or more	3 264	1.8	606	.2	1 550	2.7
For-hire truck	**90 727**	**100.0**	**132 428**	**100.0**	**39 395**	**100.0**
Less than 50 miles	13 039	14.4	61 586	46.5	1 703	4.3
50 to 99 miles	3 610	4.0	19 285	14.6	1 976	5.0
100 to 249 miles	7 996	8.8	18 596	14.0	3 879	9.8
250 to 499 miles	15 282	16.8	11 781	8.9	5 445	13.8
500 to 749 miles	13 800	15.2	7 624	5.8	5 914	15.0
750 to 999 miles	10 561	11.6	4 450	3.4	4 921	12.5
1,000 to 1,499 miles	14 201	15.7	5 647	4.3	8 334	21.2
1,500 to 1,999 miles	9 085	10.0	2 892	2.2	5 776	14.7
2,000 miles or more	3 154	3.5	566	.4	1 447	3.7
Private truck	**91 141**	**100.0**	**249 518**	**100.0**	**17 093**	**100.0**
Less than 50 miles	61 995	68.0	198 666	79.6	4 051	23.7
50 to 99 miles	8 890	9.8	21 387	8.6	2 017	11.8
100 to 249 miles	11 133	12.2	19 730	7.9	3 832	22.4
250 to 499 miles	4 880	5.4	5 553	2.2	2 452	14.3
500 to 749 miles	1 926	2.1	1 385	.6	1 055	6.2
750 to 999 miles	651	.7	703	.3	775	4.5
1,000 to 1,499 miles	983	1.1	S	S	S	S
1,500 to 1,999 miles	579	.6	156	–	318	1.9
2,000 miles or more	104	.1	37	–	95	.6
Rail	**19 764**	**100.0**	**381 855**	**100.0**	**368 426**	**100.0**
Less than 50 miles	1 798	9.1	33 510	8.8	625	.2
50 to 99 miles	1 254	6.3	21 948	5.7	2 488	.7
100 to 249 miles	1 729	8.7	25 848	6.8	6 474	1.8
250 to 499 miles	1 529	7.7	27 992	7.3	16 559	4.5
500 to 749 miles	3 749	19.0	97 051	25.4	92 128	25.0
750 to 999 miles	2 434	12.3	96 182	25.2	116 504	31.6
1,000 to 1,499 miles	3 619	18.3	71 155	18.6	114 666	31.1
1,500 to 1,999 miles	2 807	14.2	7 387	1.9	16 839	4.6
2,000 miles or more	S	S	782	.2	2 143	.6
Water	–	–	–	–	–	–
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**19 655**	**100.0**	**270**	**100.0**	**505**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	105	.5	1	.2	–	–
100 to 249 miles	365	1.9	5	1.7	1	.3
250 to 499 miles	3 819	19.4	25	9.3	14	2.7
500 to 749 miles	3 158	16.1	27	10.0	26	5.2
750 to 999 miles	2 236	11.4	29	10.6	40	7.9
1,000 to 1,499 miles	4 909	25.0	46	17.1	80	15.8
1,500 to 1,999 miles	2 756	14.0	65	24.1	127	25.2
2,000 miles or more	2 306	11.7	73	27.0	217	43.0
Pipeline[2]	**2 041**	**100.0**	**12 262**	**100.0**	**S**	**S**
Less than 50 miles	1 436	70.4	5 117	41.7	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	139	6.8	5 334	43.5	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	–	–	–	–	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**57 398**	**100.0**	**39 211**	**100.0**	**52 512**	**100.0**
Less than 50 miles	4 548	7.9	608	1.6	S	S
50 to 99 miles	1 668	2.9	S	S	S	S
100 to 249 miles	2 980	5.2	318	.8	84	.2
250 to 499 miles	8 608	15.0	S	S	S	S
500 to 749 miles	6 892	12.0	2 053	5.2	2 222	4.2
750 to 999 miles	7 557	13.2	17 805	45.4	23 601	44.9
1,000 to 1,499 miles	9 543	16.6	13 127	33.5	23 936	45.6
1,500 to 1,999 miles	7 812	13.6	219	.6	465	.9
2,000 miles or more	7 791	13.6	172	.4	474	.9
Parcel, U.S. Postal Service or courier	**55 569**	**100.0**	**1 162**	**100.0**	**1 055**	**100.0**
Less than 50 miles	4 471	8.0	209	18.0	4	.4
50 to 99 miles	1 598	2.9	50	4.3	5	.5
100 to 249 miles	2 892	5.2	109	9.4	24	2.2
250 to 499 miles	8 323	15.0	161	13.9	73	7.0
500 to 749 miles	6 769	12.2	124	10.6	98	9.3
750 to 999 miles	7 070	12.7	123	10.6	137	13.0
1,000 to 1,499 miles	9 136	16.4	180	15.5	263	25.0
1,500 to 1,999 miles	7 632	13.7	130	11.2	257	24.3
2,000 miles or more	7 677	13.8	77	6.7	194	18.4
Truck and rail	**1 486**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	47	3.2	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	88	5.9	209	1.9	60	.5
250 to 499 miles	229	15.4	S	S	S	S
500 to 749 miles	119	8.0	S	S	S	S
750 to 999 miles	393	26.4	278	2.6	365	3.0
1,000 to 1,499 miles	331	22.3	S	S	S	S
1,500 to 1,999 miles	179	12.1	89	.8	208	1.7
2,000 miles or more	31	2.1	61	.6	171	1.4
Truck and water	**139**	**100.0**	**91**	**100.0**	**132**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	33	36.3	109	82.3

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	**172**	**100.0**	**27 019**	**100.0**	**39 237**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	93	54.4	17 405	64.4	23 100	58.9
1,000 to 1,499 miles	76	44.1	9 088	33.6	15 480	39.5
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**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	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
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	–	–	–	–	–	–
Other and unknown modes	**9 499**	**100.0**	**34 238**	**100.0**	**2 804**	**100.0**
Less than 50 miles	5 004	52.7	30 552	89.2	S	S
50 to 99 miles	406	4.3	S	S	S	S
100 to 249 miles	612	6.4	640	1.9	159	5.7
250 to 499 miles	661	7.0	613	1.8	276	9.8
500 to 749 miles	554	5.8	S	S	879	31.3
750 to 999 miles	938	9.9	201	.6	221	7.9
1,000 to 1,499 miles	733	7.7	340	1.0	543	19.4
1,500 to 1,999 miles	184	1.9	138	.4	272	9.7
2,000 miles or more	407	4.3	65	.2	167	5.9

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

[1]"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.
[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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**	**534**
Less than 50 lb	56 841	19.6	1 489	.2	609	.1	613
50 to 99 lb	14 868	5.1	784	–	251	–	315
100 to 499 lb	37 363	12.9	4 071	.5	809	.2	204
500 to 749 lb	11 309	3.9	1 904	.2	346	–	181
750 to 999 lb	7 221	2.5	1 578	.2	244	–	153
1,000 to 9,999 lb	51 358	17.7	26 875	3.2	4 530	.9	168
10,000 to 49,999 lb	69 585	23.9	181 971	21.4	36 002	7.5	185
50,000 to 99,999 lb	17 585	6.0	136 686	16.1	17 212	3.6	125
100,000 lb or more	24 581	8.5	495 534	58.2	422 825	87.6	771
Single modes	**223 814**	**100.0**	**777 444**	**100.0**	**427 512**	**100.0**	**133**
Less than 50 lb	18 403	8.2	864	.1	83	–	120
50 to 99 lb	6 521	2.9	498	–	54	–	107
100 to 499 lb	27 998	12.5	3 512	.5	518	.1	140
500 to 749 lb	8 828	3.9	1 802	.2	289	–	160
750 to 999 lb	6 364	2.8	1 492	.2	229	–	152
1,000 to 9,999 lb	48 937	21.9	26 028	3.3	4 170	1.0	161
10,000 to 49,999 lb	66 333	29.6	178 102	22.9	33 784	7.9	177
50,000 to 99,999 lb	17 297	7.7	134 923	17.4	16 788	3.9	124
100,000 lb or more	23 134	10.3	430 224	55.3	371 597	86.9	772
Truck[1]	**182 354**	**100.0**	**383 058**	**100.0**	**56 740**	**100.0**	**86**
Less than 50 lb	10 151	5.6	837	.2	41	–	50
50 to 99 lb	4 491	2.5	490	.1	41	–	82
100 to 499 lb	22 788	12.5	3 482	.9	477	.8	127
500 to 749 lb	8 140	4.5	1 790	.5	276	.5	154
750 to 999 lb	5 673	3.1	1 479	.4	211	.4	142
1,000 to 9,999 lb	46 186	25.3	25 964	6.8	4 066	7.2	156
10,000 to 49,999 lb	65 738	36.0	177 567	46.4	33 175	58.5	174
50,000 to 99,999 lb	16 778	9.2	133 395	34.8	15 342	27.0	116
100,000 lb or more	2 410	1.3	38 054	9.9	3 112	5.5	108
For-hire truck	**90 727**	**100.0**	**132 428**	**100.0**	**39 395**	**100.0**	**497**
Less than 50 lb	2 951	3.3	42	–	18	–	457
50 to 99 lb	1 324	1.5	48	–	22	–	452
100 to 499 lb	10 585	11.7	473	.4	302	.8	597
500 to 749 lb	3 504	3.9	232	.2	180	.5	773
750 to 999 lb	2 681	3.0	181	.1	125	.3	692
1,000 to 9,999 lb	19 418	21.4	4 316	3.3	2 518	6.4	621
10,000 to 49,999 lb	41 794	46.1	53 701	40.6	25 390	64.4	494
50,000 to 99,999 lb	6 846	7.5	59 233	44.7	8 484	21.5	145
100,000 lb or more	1 625	1.8	14 202	10.7	2 356	6.0	284
Private truck	**91 141**	**100.0**	**249 518**	**100.0**	**17 093**	**100.0**	**39**
Less than 50 lb	7 168	7.9	788	.3	21	.1	26
50 to 99 lb	3 150	3.5	436	.2	18	.1	42
100 to 499 lb	12 159	13.3	3 000	1.2	172	1.0	55
500 to 749 lb	4 617	5.1	1 547	.6	95	.6	61
750 to 999 lb	2 971	3.3	1 292	.5	85	.5	66
1,000 to 9,999 lb	26 557	29.1	21 472	8.6	1 484	8.7	71
10,000 to 49,999 lb	23 857	26.2	123 502	49.5	7 718	45.2	59
50,000 to 99,999 lb	9 900	10.9	73 816	29.6	6 790	39.7	93
100,000 lb or more	763	.8	23 663	9.5	709	4.1	42
Rail	**19 764**	**100.0**	**381 855**	**100.0**	**368 426**	**100.0**	**1 057**
Less than 50 lb	S	S	S	S	S	S	803
50 to 99 lb	S	S	S	S	S	S	1 479
100 to 499 lb	2	–	–	–	S	S	1 087
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	1 706
1,000 to 9,999 lb	S	S	8	–	13	–	1 682
10,000 to 49,999 lb	393	2.0	392	.1	400	.1	986
50,000 to 99,999 lb	476	2.4	1 415	.4	1 427	.4	1 035
100,000 lb or more	18 800	95.1	380 039	99.5	366 585	99.5	1 065
Water	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Shallow draft	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Air (includes truck and air)	**19 655**	**100.0**	**270**	**100.0**	**505**	**100.0**	**1 570**
Less than 50 lb	8 236	41.9	27	10.1	43	8.4	1 578
50 to 99 lb	1 968	10.0	8	3.0	13	2.5	1 582
100 to 499 lb	5 208	26.5	29	10.8	41	8.2	1 464
500 to 749 lb	687	3.5	11	4.3	12	2.5	1 054
750 to 999 lb	690	3.5	S	S	S	S	1 394
1,000 to 9,999 lb	2 662	13.5	55	20.3	91	18.0	1 681
10,000 to 49,999 lb	176	.9	82	30.5	S	S	2 282
50,000 to 99,999 lb	S	S	S	S	S	S	1 565
100,000 lb or more	S	S	S	S	S	S	1 915
Pipeline[2]	**2 041**	**100.0**	**12 262**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	S	S	S
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	39	1.9	101	.8	S	S	S
100,000 lb or more	1 898	93.0	12 098	98.7	S	S	S
Multiple modes	**57 398**	**100.0**	**39 211**	**100.0**	**52 512**	**100.0**	**854**
Less than 50 lb	36 266	63.2	543	1.4	516	1.0	854
50 to 99 lb	7 801	13.6	223	.6	193	.4	845
100 to 499 lb	8 376	14.6	327	.8	283	.5	869
500 to 749 lb	2 248	3.9	46	.1	53	.1	1 165
750 to 999 lb	702	1.2	24	–	12	–	515
1,000 to 9,999 lb	S	S	35	–	40	–	1 134
10,000 to 49,999 lb	1 089	1.9	1 039	2.6	1 147	2.2	1 112
50,000 to 99,999 lb	98	.2	433	1.1	136	.3	S
100,000 lb or more	554	1.0	36 541	93.2	50 133	95.5	1 062
Parcel, U.S. Postal Service or courier	**55 569**	**100.0**	**1 162**	**100.0**	**1 055**	**100.0**	**854**
Less than 50 lb	36 266	65.3	543	46.7	516	48.9	854
50 to 99 lb	7 801	14.0	223	19.2	193	18.3	845
100 to 499 lb	8 374	15.1	326	28.1	282	26.7	868
500 to 749 lb	2 247	4.0	45	3.9	53	5.0	1 164
750 to 999 lb	699	1.3	23	2.0	12	1.1	504
1,000 to 9,999 lb	S	S	S	S	–	–	S
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**1 486**	**100.0**	**S**	**S**	**S**	**S**	**992**
Less than 50 lb	S	S	S	S	S	S	1 427
50 to 99 lb	S	S	S	S	S	S	2 167
100 to 499 lb	S	S	S	S	S	S	1 340
500 to 749 lb	S	S	S	S	S	S	1 613
750 to 999 lb	S	S	S	S	S	S	1 176
1,000 to 9,999 lb	64	4.3	26	.2	S	S	1 200
10,000 to 49,999 lb	965	64.9	937	8.6	1 032	8.5	1 108
50,000 to 99,999 lb	79	5.3	S	S	128	1.1	S
100,000 lb or more	372	25.0	S	S	S	S	1 012
Truck and water	**139**	**100.0**	**91**	**100.0**	**132**	**100.0**	**2 259**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	2 790
500 to 749 lb	S	S	S	S	S	S	2 993
750 to 999 lb	S	S	S	S	S	S	3 173
1,000 to 9,999 lb	S	S	3	3.6	10	7.7	3 059
10,000 to 49,999 lb	119	85.9	82	90.7	114	86.3	1 517
50,000 to 99,999 lb	S	S	S	S	S	S	1 363
100,000 lb or more	–	–	–	–	–	–	–

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	**172**	**100.0**	**27 019**	**100.0**	**39 237**	**100.0**	**1 457**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	172	100.0	27 019	100.0	39 237	100.0	1 457
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**16**
Less than 50 lb	S	S	S	S	S	S	4
50 to 99 lb	S	S	S	S	S	S	6
100 to 499 lb	–	.1	–	.2	S	S	8
500 to 749 lb	S	S	S	S	S	S	17
750 to 999 lb	S	S	S	S	S	S	10
1,000 to 9,999 lb	S	S	S	S	S	S	9
10,000 to 49,999 lb	S	S	S	S	S	S	19
50,000 to 99,999 lb	S	S	S	S	S	S	9
100,000 lb or more	S	S	S	S	S	S	169
Other and unknown modes	**9 499**	**100.0**	**34 238**	**100.0**	**2 804**	**100.0**	**199**
Less than 50 lb	2 172	22.9	82	.2	10	.4	226
50 to 99 lb	546	5.8	63	.2	4	.1	S
100 to 499 lb	989	10.4	233	.7	8	.3	32
500 to 749 lb	232	2.4	56	.2	4	.1	S
750 to 999 lb	155	1.6	62	.2	2	–	38
1,000 to 9,999 lb	2 157	22.7	812	2.4	321	11.4	344
10,000 to 49,999 lb	2 163	22.8	2 831	8.3	1 071	38.2	421
50,000 to 99,999 lb	191	2.0	1 331	3.9	288	10.3	199
100,000 lb or more	894	9.4	28 769	84.0	1 096	39.1	359

– 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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**	**534**
01	Live animals and live fish	S	S	S	S	S	S	256
02	Cereal grains	2 038	.7	15 888	1.9	6 600	1.4	146
03	Other agricultural products	4 132	1.4	6 566	.8	4 948	1.0	178
04	Animal feed and products of animal origin, n.e.c.	3 453	1.2	9 510	1.1	2 406	.5	S
05	Meat, fish, seafood, and their preparations	8 411	2.9	2 991	.4	1 842	.4	76
06	Milled grain products and preparations, and bakery products	3 668	1.3	2 681	.3	1 248	.3	217
07	Other prepared foodstuffs and fats and oils	14 522	5.0	20 560	2.4	6 149	1.3	S
08	Alcoholic beverages	6 276	2.2	9 053	1.1	8 332	1.7	62
09	Tobacco products	775	.3	29	–	S	S	905
10	Monumental or building stone	S	S	128	–	30	–	S
11	Natural sands	193	–	19 363	2.3	823	.2	S
12	Gravel and crushed stone	568	.2	82 583	9.7	2 978	.6	34
13	Nonmetallic minerals n.e.c.	849	.3	12 289	1.4	8 831	1.8	427
14	Metallic ores and concentrates	4 726	1.6	11 325	1.3	1 680	.3	309
15	Coal	4 818	1.7	396 848	46.6	346 938	71.9	S
17	Gasoline and aviation turbine fuel	9 119	3.1	31 136	3.7	5 393	1.1	136
18	Fuel oils	4 082	1.4	18 509	2.2	2 735	.6	76
19	Coal and petroleum products, n.e.c.	3 059	1.1	32 706	3.8	S	S	92
20	Basic chemicals	4 587	1.6	25 726	3.0	17 806	3.7	923
21	Pharmaceutical products	10 327	3.6	258	–	222	–	1 122
22	Fertilizers	1 653	.6	9 765	1.1	6 180	1.3	185
23	Chemical products and preparations, n.e.c.	8 944	3.1	3 182	.4	1 916	.4	506
24	Plastics and rubber	6 555	2.3	1 756	.2	726	.2	383
25	Logs and other wood in the rough	716	.2	15 600	1.8	1 178	.2	S
26	Wood products	8 066	2.8	14 027	1.6	9 032	1.9	280
27	Pulp, newsprint, paper, and paperboard	1 987	.7	1 887	.2	1 141	.2	172
28	Paper or paperboard articles	3 431	1.2	2 256	.3	850	.2	579
29	Printed products	8 593	3.0	2 603	.3	504	.1	419
30	Textiles, leather, and articles of textiles or leather	7 398	2.5	714	–	327	–	1 287
31	Nonmetallic mineral products	5 634	1.9	67 485	7.9	6 648	1.4	283
32	Base metal in primary or semifinished forms and in finished basic shapes	11 274	3.9	8 336	1.0	5 064	1.0	253
33	Articles of base metal	8 467	2.9	3 763	.4	1 514	.3	291
34	Machinery	13 290	4.6	1 350	.2	768	.2	252
35	Electronic and other electrical equipment and components and office equipment	57 655	19.8	1 256	.1	800	.2	930
36	Motorized and other vehicles (including parts)	12 467	4.3	1 431	.2	1 136	.2	278
37	Transportation equipment, n.e.c.	6 770	2.3	S	S	151	–	548
38	Precision instruments and apparatus	6 848	2.4	92	–	88	–	937
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	5 159	1.8	823	.1	384	–	482
40	Miscellaneous manufactured products	21 104	7.3	3 416	.4	1 324	.3	888
41	Waste and scrap	880	.3	7 575	.9	2 840	.6	272
43	Mixed freight	6 916	2.4	3 365	.4	475	.1	233
--	Commodity unknown	1 123	.4	1 754	.2	S	S	507

– 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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**	**534**
010	Live animals and live fish	S	S	S	S	S	S	256
021	Wheat	1 293	.4	9 753	1.1	5 284	1.1	186
022	Corn, except sweet	533	.2	4 717	.6	716	.1	S
029	Other cereal grains	211	–	1 419	.2	600	.1	106
031	Fresh or chilled potatoes (Irish potatoes), except sweet	589	.2	S	S	S	S	409
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	2 039	.7	3 215	.4	S	S	S
033	Fresh, chilled, or dried edible fruit and nuts	854	.3	1 078	.1	S	S	138
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	18	–	60	–	10	–	65
036	Bulbs, live plants, and seeds for sowing, n.e.c.	339	.1	201	–	65	–	484
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	271	–	278	–	162	–	171
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.	427	.1	1 771	.2	912	.2	S
042	Animal feed preparations	3 025	1.0	7 740	.9	1 494	.3	S
051	Meat including poultry, except preparations	7 620	2.6	2 877	.3	1 838	.4	115
052	Fish, except live, and seafood, except preparations	791	.3	115	–	4	–	30
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	48
061	Wheat flour, groats, and meal	210	–	788	–	401	–	226
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	225	–	79	–	S
063	Food preparations of cereals, flour, starch, or milk	923	.3	562	–	296	–	536
064	Bakery products	2 419	.8	1 106	.1	473	.1	141
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	5 436	1.9	8 664	1.0	1 215	.3	67
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	3 267	1.1	2 810	.3	2 108	.4	174
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	226	–	36	–	20	–	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	373	.1	S	S	229	–	148
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	868	.3	1 635	.2	1 567	.3	354
076	Confectionery, cocoa, and cocoa preparations	366	.1	127	–	87	–	108
077	Edible preparations, n.e.c. and vinegar	1 134	.4	622	–	487	.1	350
078	Nonalcoholic beverages, n.e.c. and ice	2 852	1.0	5 799	.7	435	–	S
081	Malt Beer	4 762	1.6	8 613	1.0	8 299	1.7	61
082	Wine and other fermented beverages	666	.2	208	–	S	S	71
083	Spirituous beverages and ethyl alcohol	848	.3	232	–	13	–	60
090	Tobacco products	775	.3	29	–	S	S	905
100	Monumental or building stone, except dolomite	S	S	128	–	30	–	S
110	Natural sands, except metal-bearing	193	–	19 363	2.3	823	.2	S
120	Gravel and crushed stone, except dolomite and slate	568	.2	82 583	9.7	2 978	.6	34
131	Salt	S	S	S	S	S	S	345
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	694
133	Dolomite	S	S	S	S	S	S	50
139	Other nonmetallic minerals	589	.2	7 649	.9	7 101	1.5	557
141	Iron ores and concentrates	1	–	16	–	2	–	73
149	Other metallic ores and concentrates	4 725	1.6	11 309	1.3	1 678	.3	317
151	Nonagglomerated bituminous coal	4 771	1.6	393 511	46.2	346 919	71.9	S
159	Other coal	S	S	S	S	S	S	17
171	Gasoline	8 829	3.0	29 897	3.5	5 335	1.1	137
172	Aviation turbine fuel (types A and B)	291	.1	1 239	.1	58	–	S
180	Fuel oils	4 082	1.4	18 509	2.2	2 735	.6	76
191	Lubricating oils and greases	604	.2	552	–	46	–	67
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	S	S	S	S	S	S	32
193	Gaseous hydrocarbons	535	.2	1 721	.2	267	–	S
199	Other products of petroleum refining, and coal products	1 765	.6	29 834	3.5	S	S	285
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	184	–	S	S	S	S	260
202	Inorganic chemicals, n.e.c.	2 883	1.0	23 682	2.8	16 349	3.4	200
203	Cyclic hydrocarbons	S	S	S	S	S	S	175
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	90	–	180	–	102	–	180
205	Organic chemicals, n.e.c.	1 420	.5	230	–	83	–	1 330
210	Pharmaceutical products	10 327	3.6	258	–	222	–	1 122
220	Fertilizers and fertilizer materials	1 653	.6	9 765	1.1	6 180	1.3	185
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	680	.2	233	–	64	–	364
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 737	.6	104	–	82	–	916
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	S	S	1 852	.2	1 442	.3	287
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	2 726	.9	97	–	128	–	711
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	1 268	.4	185	–	51	–	101
239	Other chemical products and preparations	579	.2	711	–	149	–	502
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	455	.2	195	–	48	–	194
242	Manmade fibers and plastics basic shapes and articles	5 002	1.7	1 324	.2	628	.1	446

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	1 098	.4	237	–	50	–	208
250	Logs and other wood in the rough	716	.2	15 600	1.8	1 178	.2	S
261	Wood chips or particles	89	–	2 483	.3	1 078	.2	254
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	4 401	1.5	7 194	.8	5 453	1.1	238
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 623	.6	3 001	.4	2 297	.5	402
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 467	.5	666	–	125	–	136
269	Other wood products	485	.2	S	S	79	–	606
271	Pulp of fibrous cellulosic materials	43	–	43	–	S	S	306
272	Newsprint in large rolls or sheets	206	–	328	–	179	–	111
273	Uncoated paper and paperboard in large rolls or sheets	938	.3	1 051	.1	757	.2	118
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	801	.3	465	–	196	–	242
280	Paper or paperboard articles	3 431	1.2	2 256	.3	850	.2	579
291	Printed books, brochures, leaflets, and similar printed products	3 148	1.1	276	–	180	–	928
292	Newspapers, journals, and periodicals	2 404	.8	1 865	.2	93	–	94
293	Advertising material, commercial or trade catalogues, and similar printed products	1 096	.4	264	–	S	S	858
299	Other printed products	1 945	.7	197	–	115	–	1 084
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	553	.2	63	–	23	–	1 572
302	Textile clothing and accessories, and headgear, except safety	4 651	1.6	349	–	195	–	1 377
303	Textiles and textile articles, n.e.c.	1 620	.6	284	–	92	–	857
304	Footwear	104	–	3	–	4	–	1 450
305	Leather and articles, luggage of related materials, and dressed furskins and articles	470	.2	14	–	13	–	1 114
311	Hydraulic cements	679	.2	11 155	1.3	1 083	.2	62
312	Ceramic products	486	.2	395	–	209	–	929
313	Glass and glass products	731	.3	290	–	113	–	278
319	Other nonmetallic mineral products	3 738	1.3	55 644	6.5	5 244	1.1	82
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	580	.2	311	–	192	–	S
322	Flat-rolled products of iron or steel	934	.3	1 215	.1	242	–	117
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	1 887	.6	3 388	.4	1 345	.3	249
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	7 873	2.7	3 422	.4	3 284	.7	407
331	Pipes, tubes, and fittings	1 877	.6	1 047	.1	273	–	123
332	Structures and parts, except prefabricated buildings	2 305	.8	1 210	.1	579	.1	197
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	2 034	.7	321	–	111	–	376
339	Other articles of metal	2 252	.8	1 185	.1	551	.1	347
341	Internal-combustion piston engines	1 221	.4	97	–	34	–	254
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	1 330	.5	32	–	19	–	444
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	1 392	.5	107	–	79	–	317
344	Air-conditioning, refrigerating, or freezing equipment	696	.2	94	–	29	–	118
345	Materials-handling, excavating, boring, and related machinery and equipment	3 891	1.3	548	–	270	–	130
349	Other machinery	4 761	1.6	471	–	336	–	294
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	582	.2	56	–	14	–	345
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	525	.2	S	S	30	–	545
353	Line telephone or telegraph apparatus	S	S	S	S	S	S	967
354	Electronic entertainment products, except parts	1 021	.4	26	–	29	–	1 101
355	Computer and office equipment	24 149	8.3	283	–	358	–	1 376
356	Prepared unrecorded or prerecorded media	1 313	.5	26	–	30	–	1 207
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	1 373	.5	9	–	9	–	667
358	Electronic components and parts	18 878	6.5	60	–	65	–	1 131
359	Other electronic and electrical equipment	8 582	3.0	713	–	248	–	245
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	129	–	31	–	S	S	588
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	589	.2	80	–	12	–	96
363	Other vehicles	2 361	.8	374	–	156	–	320
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	9 389	3.2	946	.1	S	S	284
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	113	–	S	S	S	S	465
372	Aircraft and spacecraft	6 318	2.2	45	–	52	–	517
373	Ships, boats, and floating structures	339	.1	14	–	19	–	1 196
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	4	–	4	–	923
382	Photographic and photocopying machines	272	–	S	S	S	S	418
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 361	.5	6	–	S	S	922
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	2 452	.8	54	–	50	–	1 162
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	1 922	.7	15	–	12	–	621

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	5 159	1.8	823	.1	384	–	482
401	Arms and ammunition	479	.2	26	–	19	–	883
402	Toys, games, and sporting equipment	2 141	.7	155	–	173	–	1 220
409	Miscellaneous manufactured products	18 484	6.4	3 235	.4	1 132	.2	842
411	Metallic waste and scrap	808	.3	S	S	S	S	248
412	Nonmetallic waste and scrap, except from food processing	72	–	958	.1	664	.1	350
439	Mixed freight	6 916	2.4	3 365	.4	475	.1	233
—	Commodity unknown	1 123	.4	1 754	.2	S	S	507

– 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	**290 711**	**100.0**	**850 893**	**100.0**	**482 828**	**100.0**	**534**
Single modes	**223 814**	**77.0**	**777 444**	**91.4**	**427 512**	**88.5**	**133**
Truck[1]	182 354	62.7	383 058	45.0	56 740	11.8	86
For-hire truck	90 727	31.2	132 428	15.6	39 395	8.2	497
Private truck	91 141	31.4	249 518	29.3	17 093	3.5	39
Rail	19 764	6.8	381 855	44.9	368 426	76.3	1 057
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	19 655	6.8	270	–	505	.1	1 570
Pipeline[2]	2 041	.7	12 262	1.4	S	S	S
Multiple modes	**57 398**	**19.7**	**39 211**	**4.6**	**52 512**	**10.9**	**854**
Parcel, U.S. Postal Service or courier	55 569	19.1	1 162	.1	1 055	.2	854
Truck and rail	1 486	.5	S	S	S	S	992
Truck and water	139	–	91	–	132	–	2 259
Rail and water	172	–	27 019	3.2	39 237	8.1	1 457
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	**9 499**	**3.3**	**34 238**	**4.0**	**2 804**	**.6**	**199**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**256**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**256**
Truck[1]	S	S	S	S	S	S	256
For-hire truck	S	S	S	S	S	S	914
Private truck	S	S	6	6.7	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
SCTG 02, CEREAL GRAINS							
Total	**2 038**	**100.0**	**15 888**	**100.0**	**6 600**	**100.0**	**146**
Single modes	**1 832**	**89.9**	**14 331**	**90.2**	**5 875**	**89.0**	**137**
Truck[1]	1 152	56.6	9 515	59.9	1 702	25.8	115
For-hire truck	527	25.9	4 116	25.9	992	15.0	262
Private truck	580	28.5	5 011	31.5	S	S	63
Rail	679	33.3	4 816	30.3	4 173	63.2	762
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**	**1 662**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 785
Truck and rail	S	S	S	S	S	S	920
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

Table 7. **Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**4 132**	**100.0**	**6 566**	**100.0**	**4 948**	**100.0**	**178**
Single modes	**4 021**	**97.3**	**6 500**	**99.0**	**4 930**	**99.6**	**158**
Truck[1]	3 923	94.9	6 298	95.9	4 471	90.4	156
For-hire truck	2 433	58.9	4 631	70.5	4 197	84.8	673
Private truck	1 478	35.8	1 638	24.9	244	4.9	S
Rail	S	S	S	S	S	S	2 248
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 245
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**17**	**.4**	**S**	**S**	**11**	**.2**	**1 187**
Parcel, U.S. Postal Service or courier	10	.3	1	–	1	–	1 191
Truck and rail	7	.2	S	S	11	.2	782
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**94**	**2.3**	**47**	**.7**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**3 453**	**100.0**	**9 510**	**100.0**	**2 406**	**100.0**	**S**
Single modes	**2 888**	**83.6**	**8 924**	**93.8**	**2 162**	**89.9**	**71**
Truck[1]	2 768	80.2	8 333	87.6	1 618	67.3	69
For-hire truck	1 197	34.7	2 895	30.4	1 274	52.9	431
Private truck	1 552	44.9	5 375	56.5	339	14.1	39
Rail	117	3.4	571	6.0	537	22.3	985
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	3 917
Pipeline[2]	1	–	18	.2	S	S	S
Multiple modes	**117**	**3.4**	**84**	**.9**	**136**	**5.7**	**1 151**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	904
Truck and rail	112	3.2	76	.8	112	4.7	1 479
Truck and water	S	S	S	S	S	S	3 201
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	**8 411**	**100.0**	**2 991**	**100.0**	**1 842**	**100.0**	**76**
Single modes	**8 376**	**99.6**	**2 970**	**99.3**	**1 842**	**100.0**	**77**
Truck[1]	8 337	99.1	2 933	98.0	1 763	95.7	76
For-hire truck	4 875	58.0	1 849	61.8	1 559	84.6	758
Private truck	3 454	41.1	1 082	36.2	202	11.0	46
Rail	S	S	S	S	S	S	1 308
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	3 241
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**342**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	342
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21**

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	**3 668**	**100.0**	**2 681**	**100.0**	**1 248**	**100.0**	**217**
Single modes	**3 511**	**95.7**	**2 605**	**97.2**	**1 235**	**99.0**	**143**
Truck[1]	3 486	95.0	2 491	92.9	1 157	92.7	143
For-hire truck	1 311	35.7	1 128	42.1	929	74.4	664
Private truck	2 165	59.0	1 337	49.9	218	17.5	116
Rail	20	.5	95	3.5	78	6.2	842
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**818**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	818
Truck and rail	S	S	S	S	S	S	278
Truck and water	S	S	S	S	S	S	3 050
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**280**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**14 522**	**100.0**	**20 560**	**100.0**	**6 149**	**100.0**	**S**
Single modes	**14 083**	**97.0**	**20 048**	**97.5**	**6 091**	**99.0**	**S**
Truck[1]	13 391	92.2	18 717	91.0	4 089	66.5	S
For-hire truck	4 611	31.8	4 376	21.3	2 828	46.0	632
Private truck	8 747	60.2	14 313	69.6	1 242	20.2	23
Rail	685	4.7	1 330	6.5	2 000	32.5	1 593
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	2	–	1 344
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 079**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 076
Truck and rail	S	S	S	S	S	S	1 456
Truck and water	S	S	S	S	S	S	3 160
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**322**	**2.2**	**490**	**2.4**	**32**	**.5**	**44**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**6 276**	**100.0**	**9 053**	**100.0**	**8 332**	**100.0**	**62**
Single modes	**6 187**	**98.6**	**8 918**	**98.5**	**8 186**	**98.2**	**61**
Truck[1]	4 991	79.5	4 646	51.3	1 425	17.1	49
For-hire truck	874	13.9	1 287	14.2	1 147	13.8	570
Private truck	4 108	65.5	3 355	37.1	S	S	40
Rail	1 196	19.1	4 272	47.2	6 761	81.1	1 502
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**	**319**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	1 171
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**73**

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	**775**	**100.0**	**29**	**100.0**	**S**	**S**	**905**
Single modes	**528**	**68.1**	**24**	**81.8**	**S**	**S**	**466**
Truck[1]	517	66.7	23	81.2	3	29.1	401
For-hire truck	S	S	S	S	S	S	1 089
Private truck	429	55.4	21	74.5	2	15.6	70
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	4 246
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 249**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 249
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**118**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**128**	**100.0**	**30**	**100.0**	**S**
Single modes	**S**	**S**	**124**	**97.2**	**30**	**99.4**	**S**
Truck[1]	S	S	121	95.0	24	81.5	S
For-hire truck	8	16.1	70	54.9	21	70.7	356
Private truck	S	S	S	S	3	10.7	S
Rail	S	S	S	S	S	S	1 887
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**	**794**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	794
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**51**
SCTG 11, NATURAL SANDS							
Total	**193**	**100.0**	**19 363**	**100.0**	**823**	**100.0**	**S**
Single modes	**191**	**98.9**	**19 152**	**98.9**	**782**	**95.0**	**S**
Truck[1]	181	93.5	18 811	97.1	607	73.7	S
For-hire truck	49	25.2	7 169	37.0	249	30.2	S
Private truck	S	S	11 642	60.1	358	43.4	S
Rail	8	4.3	339	1.8	173	21.0	512
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 078
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**308**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	308
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**131**

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	**568**	**100.0**	**82 583**	**100.0**	**2 978**	**100.0**	**34**
Single modes	**558**	**98.1**	**81 772**	**99.0**	**2 960**	**99.4**	**34**
Truck[1]	552	97.2	80 638	97.6	2 768	93.0	34
For-hire truck	108	19.0	16 378	19.8	642	21.6	S
Private truck	442	77.8	63 974	77.5	2 105	70.7	33
Rail	S	S	S	S	S	S	307
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**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 230
Truck and rail	S	S	S	S	S	S	49
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**14**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**849**	**100.0**	**12 289**	**100.0**	**8 831**	**100.0**	**427**
Single modes	**827**	**97.4**	**12 059**	**98.1**	**8 593**	**97.3**	**492**
Truck[1]	416	49.0	5 169	42.1	2 252	25.5	355
For-hire truck	331	38.9	3 576	29.1	2 142	24.3	666
Private truck	85	10.0	1 583	12.9	108	1.2	48
Rail	411	48.4	6 887	56.0	6 339	71.8	1 424
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	729
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**11**	**1.3**	**62**	**.5**	**S**	**S**	**514**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	384
Truck and rail	S	S	61	.5	S	S	2 142
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**10**	**1.2**	**168**	**1.4**	**139**	**1.6**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**4 726**	**100.0**	**11 325**	**100.0**	**1 680**	**100.0**	**309**
Single modes	**4 212**	**89.1**	**11 135**	**98.3**	**1 492**	**88.8**	**281**
Truck[1]	1 860	39.4	1 301	11.5	382	22.7	311
For-hire truck	1 743	36.9	1 100	9.7	342	20.3	371
Private truck	117	2.5	201	1.8	40	2.4	102
Rail	1 890	40.0	9 164	80.9	1 104	65.7	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	731
Pipeline[2]	449	9.5	668	5.9	S	S	S
Multiple modes	**S**	**S**	**160**	**1.4**	**163**	**9.7**	**462**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	164	3.5	160	1.4	163	9.7	1 246
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**553**

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	**4 818**	**100.0**	**396 848**	**100.0**	**346 938**	**100.0**	**S**
Single modes	**4 259**	**88.4**	**342 799**	**86.4**	**307 163**	**88.5**	**S**
Truck[1]	457	9.5	26 207	6.6	1 367	.4	78
For-hire truck	263	5.5	12 968	3.3	720	.2	66
Private truck	S	S	S	S	S	S	95
Rail	3 698	76.8	311 313	78.4	304 371	87.7	747
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	104	2.2	5 279	1.3	S	S	S
Multiple modes	**172**	**3.6**	**27 024**	**6.8**	**39 239**	**11.3**	**1 354**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	213
Truck and water	–	–	–	–	–	–	–
Rail and water	172	3.6	27 019	6.8	39 237	11.3	1 457
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**387**	**8.0**	**27 025**	**6.8**	**S**	**S**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**9 119**	**100.0**	**31 136**	**100.0**	**5 393**	**100.0**	**136**
Single modes	**9 066**	**99.4**	**30 964**	**99.4**	**5 380**	**99.8**	**141**
Truck[1]	7 975	87.5	26 783	86.0	4 839	89.7	140
For-hire truck	1 983	21.7	7 108	22.8	S	S	228
Private truck	5 989	65.7	19 669	63.2	S	S	122
Rail	S	S	S	S	S	S	309
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	834	9.1	3 359	10.8	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**9**
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	9
Other and unknown modes	**S**	**S**	**96**	**.3**	**S**	**S**	**S**
SCTG 18, FUEL OILS							
Total	**4 082**	**100.0**	**18 509**	**100.0**	**2 735**	**100.0**	**76**
Single modes	**4 045**	**99.1**	**18 341**	**99.1**	**2 708**	**99.0**	**76**
Truck[1]	3 478	85.2	14 970	80.9	1 567	57.3	70
For-hire truck	910	22.3	4 550	24.6	773	28.3	205
Private truck	2 559	62.7	10 387	56.1	790	28.9	52
Rail	187	4.6	1 413	7.6	1 105	40.4	706
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	380	9.3	1 958	10.6	S	S	S
Multiple modes	**3**	**–**	**10**	**–**	**S**	**S**	**11**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	50
Truck and rail	S	S	S	S	S	S	44
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	3	–	10	–	S	S	11
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**59**

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	**3 059**	**100.0**	**32 706**	**100.0**	**S**	**S**	**92**
Single modes	**2 860**	**93.5**	**24 051**	**73.5**	**10 456**	**51.1**	**84**
Truck[1]	2 194	71.7	15 589	47.7	2 620	12.8	66
For-hire truck	977	32.0	10 402	31.8	1 939	9.5	261
Private truck	1 216	39.8	5 187	15.9	681	3.3	46
Rail	456	14.9	7 923	24.2	S	S	881
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**383**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	372
Truck and rail	S	S	S	S	S	S	909
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42**	**1.4**	**S**	**S**	**S**	**S**	**92**
SCTG 20, BASIC CHEMICALS							
Total	**4 587**	**100.0**	**25 726**	**100.0**	**17 806**	**100.0**	**923**
Single modes	**3 860**	**84.1**	**25 429**	**98.8**	**17 429**	**97.9**	**235**
Truck[1]	2 284	49.8	11 419	44.4	2 537	14.3	131
For-hire truck	1 247	27.2	7 681	29.9	2 044	11.5	392
Private truck	1 028	22.4	3 706	14.4	S	S	47
Rail	1 498	32.7	13 625	53.0	14 860	83.5	1 099
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 493
Pipeline[2]	47	1.0	S	S	S	S	S
Multiple modes	**717**	**15.6**	**262**	**1.0**	**345**	**1.9**	**1 388**
Parcel, U.S. Postal Service or courier	523	11.4	8	–	9	–	1 388
Truck and rail	S	S	S	S	321	1.8	1 331
Truck and water	S	S	S	S	S	S	3 228
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11**	**.2**	**S**	**S**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**10 327**	**100.0**	**258**	**100.0**	**222**	**100.0**	**1 122**
Single modes	**3 947**	**38.2**	**172**	**66.7**	**164**	**73.7**	**176**
Truck[1]	3 455	33.5	169	65.4	159	71.5	94
For-hire truck	2 005	19.4	105	40.7	153	68.9	S
Private truck	1 449	14.0	64	24.7	S	S	S
Rail	S	S	S	S	S	S	951
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 614
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 248**	**60.5**	**66**	**25.5**	**49**	**22.2**	**1 209**
Parcel, U.S. Postal Service or courier	6 248	60.5	65	25.3	49	22.2	1 209
Truck and rail	S	S	S	S	S	S	54
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**148**

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	**1 653**	**100.0**	**9 765**	**100.0**	**6 180**	**100.0**	**185**
Single modes	**1 633**	**98.8**	**9 725**	**99.6**	**6 176**	**99.9**	**209**
Truck[1]	1 103	66.7	5 809	59.5	1 671	27.0	135
For-hire truck	397	24.0	2 265	23.2	1 050	17.0	462
Private truck	706	42.7	3 543	36.3	621	10.1	72
Rail	530	32.0	3 916	40.1	4 505	72.9	1 156
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**	**230**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	230
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**20**	**1.2**	**40**	**.4**	**4**	**–**	**74**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**8 944**	**100.0**	**3 182**	**100.0**	**1 916**	**100.0**	**506**
Single modes	**8 154**	**91.2**	**2 942**	**92.5**	**1 682**	**87.8**	**143**
Truck[1]	8 121	90.8	2 872	90.3	1 639	85.6	129
For-hire truck	5 385	60.2	1 823	57.3	1 502	78.4	458
Private truck	2 716	30.4	1 041	32.7	134	7.0	38
Rail	12	.1	32	1.0	S	S	1 188
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	12	.1	1	–	S	S	1 824
Pipeline[2]	9	.1	37	1.2	S	S	S
Multiple modes	**637**	**7.1**	**119**	**3.7**	**142**	**7.4**	**992**
Parcel, U.S. Postal Service or courier	601	6.7	46	1.4	34	1.8	992
Truck and rail	37	.4	73	2.3	108	5.6	1 253
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**153**	**1.7**	**S**	**S**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**6 555**	**100.0**	**1 756**	**100.0**	**726**	**100.0**	**383**
Single modes	**4 967**	**75.8**	**1 640**	**93.4**	**680**	**93.6**	**104**
Truck[1]	4 878	74.4	1 629	92.8	666	91.7	91
For-hire truck	2 259	34.5	754	42.9	540	74.4	543
Private truck	2 563	39.1	780	44.4	115	15.8	43
Rail	S	S	S	S	S	S	1 296
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	70	1.1	4	.2	4	.6	1 508
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 246**	**19.0**	**47**	**2.7**	**36**	**4.9**	**808**
Parcel, U.S. Postal Service or courier	1 246	19.0	47	2.7	35	4.9	808
Truck and rail	S	S	S	S	S	S	1 853
Truck and water	S	S	S	S	S	S	2 646
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**343**	**5.2**	**69**	**3.9**	**S**	**S**	**34**

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	**716**	**100.0**	**15 600**	**100.0**	**1 178**	**100.0**	**S**
Single modes	**696**	**97.2**	**15 010**	**96.2**	**1 139**	**96.7**	**S**
Truck[1]	681	95.2	14 872	95.3	1 070	90.9	S
For-hire truck	254	35.6	S	S	498	42.3	S
Private truck	S	S	S	S	S	S	S
Rail	14	2.0	138	.9	69	5.9	498
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**	**317**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	309
Truck and rail	S	S	S	S	S	S	1 116
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**8 066**	**100.0**	**14 027**	**100.0**	**9 032**	**100.0**	**280**
Single modes	**7 738**	**95.9**	**13 366**	**95.3**	**8 546**	**94.6**	**196**
Truck[1]	6 390	79.2	10 331	73.7	3 396	37.6	175
For-hire truck	2 470	30.6	5 098	36.3	2 800	31.0	753
Private truck	3 911	48.5	5 218	37.2	584	6.5	68
Rail	1 339	16.6	3 034	21.6	5 149	57.0	1 683
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 011
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**146**	**1.8**	**154**	**1.1**	**195**	**2.2**	**831**
Parcel, U.S. Postal Service or courier	86	1.1	7	–	6	–	831
Truck and rail	61	.8	147	1.1	190	2.1	809
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**181**	**2.2**	**S**	**S**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**1 987**	**100.0**	**1 887**	**100.0**	**1 141**	**100.0**	**172**
Single modes	**1 719**	**86.5**	**1 676**	**88.8**	**1 052**	**92.3**	**110**
Truck[1]	1 497	75.3	1 130	59.9	467	41.0	105
For-hire truck	662	33.3	653	34.6	405	35.5	320
Private truck	834	42.0	477	25.3	S	S	39
Rail	223	11.2	546	28.9	585	51.3	1 163
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 061
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**208**	**10.5**	**S**	**S**	**S**	**S**	**541**
Parcel, U.S. Postal Service or courier	40	2.0	9	.5	3	.2	542
Truck and rail	S	S	S	S	S	S	503
Truck and water	S	S	S	S	S	S	399
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**27**	**1.4**	**S**	**S**	**28**

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	**3 431**	**100.0**	**2 256**	**100.0**	**850**	**100.0**	**579**
Single modes	**3 133**	**91.3**	**2 143**	**95.0**	**777**	**91.3**	**114**
Truck[1]	3 010	87.7	2 002	88.7	600	70.6	99
For-hire truck	1 852	54.0	1 172	52.0	527	62.0	285
Private truck	1 139	33.2	812	36.0	61	7.2	42
Rail	S	S	S	S	S	S	1 392
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 708
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**239**	**7.0**	**77**	**3.4**	**64**	**7.6**	**1 092**
Parcel, U.S. Postal Service or courier	182	5.3	30	1.3	21	2.5	1 092
Truck and rail	S	S	S	S	S	S	784
Truck and water	S	S	S	S	S	S	2 060
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**59**	**1.7**	**S**	**S**	**S**	**S**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**8 593**	**100.0**	**2 603**	**100.0**	**504**	**100.0**	**419**
Single modes	**5 003**	**58.2**	**2 177**	**83.7**	**331**	**65.7**	**S**
Truck[1]	4 712	54.8	2 152	82.7	289	57.3	48
For-hire truck	1 405	16.4	409	15.7	215	42.7	298
Private truck	3 261	37.9	1 738	66.8	72	14.4	29
Rail	S	S	S	S	S	S	1 486
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	28	5.5	1 547
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 065**	**35.7**	**248**	**9.5**	**146**	**29.0**	**482**
Parcel, U.S. Postal Service or courier	3 065	35.7	248	9.5	146	28.9	482
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	3 263
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**525**	**6.1**	**178**	**6.8**	**S**	**S**	**381**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**7 398**	**100.0**	**714**	**100.0**	**327**	**100.0**	**1 287**
Single modes	**3 809**	**51.5**	**606**	**85.0**	**233**	**71.2**	**455**
Truck[1]	3 749	50.7	605	84.8	230	70.5	295
For-hire truck	2 408	32.5	228	31.9	192	58.8	1 047
Private truck	1 327	17.9	376	52.7	38	11.6	47
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	60	.8	1	.2	2	.7	1 956
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 349**	**45.3**	**86**	**12.0**	**92**	**28.1**	**1 419**
Parcel, U.S. Postal Service or courier	3 349	45.3	86	12.0	92	28.1	1 419
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**240**	**3.2**	**S**	**S**	**2**	**.7**	**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 31, NONMETALLIC MINERAL PRODUCTS							
Total	**5 634**	**100.0**	**67 485**	**100.0**	**6 648**	**100.0**	**283**
Single modes	**5 268**	**93.5**	**66 149**	**98.0**	**5 931**	**89.2**	**68**
Truck[1]	4 896	86.9	63 050	93.4	3 407	51.3	52
For-hire truck	1 625	28.8	10 648	15.8	1 842	27.7	206
Private truck	3 264	57.9	52 375	77.6	1 564	23.5	31
Rail	267	4.7	3 027	4.5	2 411	36.3	981
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	105	1.9	72	.1	S	S	1 300
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**194**	**3.4**	**444**	**.7**	**207**	**3.1**	**1 059**
Parcel, U.S. Postal Service or courier	139	2.5	S	S	S	S	1 064
Truck and rail	54	1.0	403	.6	183	2.8	S
Truck and water	S	S	S	S	S	S	3 104
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	704
Other and unknown modes	**172**	**3.0**	**892**	**1.3**	**S**	**S**	**370**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**11 274**	**100.0**	**8 336**	**100.0**	**5 064**	**100.0**	**253**
Single modes	**10 695**	**94.9**	**7 986**	**95.8**	**4 812**	**95.0**	**134**
Truck[1]	6 773	60.1	5 377	64.5	1 921	37.9	117
For-hire truck	4 417	39.2	3 366	40.4	1 744	34.4	523
Private truck	2 326	20.6	2 000	24.0	173	3.4	46
Rail	3 865	34.3	2 595	31.1	2 868	56.6	1 164
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	56	.5	S	S	S	S	1 753
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**328**	**2.9**	**89**	**1.1**	**115**	**2.3**	**885**
Parcel, U.S. Postal Service or courier	231	2.0	10	.1	7	.1	884
Truck and rail	96	.8	77	.9	102	2.0	1 453
Truck and water	S	S	S	S	S	S	3 184
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**251**	**2.2**	**261**	**3.1**	**137**	**2.7**	**68**
SCTG 33, ARTICLES OF BASE METAL							
Total	**8 467**	**100.0**	**3 763**	**100.0**	**1 514**	**100.0**	**291**
Single modes	**6 931**	**81.9**	**3 382**	**89.9**	**1 272**	**84.1**	**118**
Truck[1]	6 608	78.0	2 948	78.3	905	59.8	94
For-hire truck	3 093	36.5	1 299	34.5	774	51.2	628
Private truck	3 498	41.3	1 644	43.7	130	8.6	36
Rail	S	S	386	10.2	S	S	519
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	162	1.9	S	S	S	S	1 470
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**989**	**11.7**	**54**	**1.4**	**64**	**4.2**	**788**
Parcel, U.S. Postal Service or courier	952	11.2	34	.9	26	1.7	787
Truck and rail	S	S	S	S	S	S	1 579
Truck and water	S	S	S	S	S	S	2 863
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**547**	**6.5**	**328**	**8.7**	**178**	**11.7**	**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 34, MACHINERY							
Total	**13 290**	**100.0**	**1 350**	**100.0**	**768**	**100.0**	**252**
Single modes	**10 949**	**82.4**	**1 199**	**88.8**	**682**	**88.8**	**205**
Truck[1]	10 262	77.2	1 185	87.8	658	85.7	131
For-hire truck	5 469	41.1	664	49.2	579	75.4	774
Private truck	4 767	35.9	520	38.5	79	10.3	43
Rail	S	S	S	S	S	S	2 078
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	625	4.7	8	.6	10	1.3	1 485
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 284**	**9.7**	**44**	**3.2**	**50**	**6.5**	**492**
Parcel, U.S. Postal Service or courier	1 208	9.1	34	2.5	19	2.5	490
Truck and rail	S	S	S	S	S	S	2 153
Truck and water	S	S	S	S	S	S	3 198
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 057**	**8.0**	**107**	**7.9**	**36**	**4.7**	**63**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**57 655**	**100.0**	**1 256**	**100.0**	**800**	**100.0**	**930**
Single modes	**30 672**	**53.2**	**984**	**78.4**	**501**	**62.6**	**384**
Truck[1]	18 014	31.2	929	73.9	414	51.8	145
For-hire truck	13 166	22.8	392	31.2	329	41.1	657
Private truck	4 844	8.4	536	42.7	S	S	35
Rail	30	–	8	.7	S	S	1 400
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	12 628	21.9	47	3.8	76	9.5	1 568
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**24 964**	**43.3**	**203**	**16.2**	**280**	**35.0**	**1 240**
Parcel, U.S. Postal Service or courier	24 955	43.3	200	15.9	277	34.6	1 240
Truck and rail	S	S	S	S	S	S	1 929
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 019**	**3.5**	**69**	**5.5**	**20**	**2.4**	**375**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**12 467**	**100.0**	**1 431**	**100.0**	**1 136**	**100.0**	**278**
Single modes	**10 579**	**84.9**	**1 275**	**89.1**	**1 063**	**93.6**	**167**
Truck[1]	10 177	81.6	1 254	87.6	1 034	91.0	81
For-hire truck	7 708	61.8	864	60.4	967	85.2	519
Private truck	2 456	19.7	389	27.2	66	5.8	34
Rail	S	S	S	S	S	S	563
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	356	2.9	15	1.0	24	2.1	1 610
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 088**	**8.7**	**52**	**3.6**	**35**	**3.0**	**648**
Parcel, U.S. Postal Service or courier	977	7.8	44	3.1	28	2.5	649
Truck and rail	S	S	S	S	S	S	526
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	3
Other and unknown modes	**800**	**6.4**	**104**	**7.3**	**38**	**3.4**	**44**

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	**6 770**	**100.0**	**S**	**S**	**151**	**100.0**	**548**
Single modes	**5 361**	**79.2**	**S**	**S**	**144**	**95.5**	**955**
Truck[1]	2 377	35.1	S	S	64	42.5	612
For-hire truck	1 604	23.7	S	S	63	42.0	805
Private truck	S	S	S	S	S	S	S
Rail	1 452	21.4	S	S	S	S	1 726
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 532	22.6	3	1.4	5	3.2	1 428
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 277**	**18.9**	**S**	**S**	**6**	**4.0**	**520**
Parcel, U.S. Postal Service or courier	1 277	18.9	S	S	6	4.0	520
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**132**	**2.0**	**S**	**S**	**S**	**S**	**S**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**6 848**	**100.0**	**92**	**100.0**	**88**	**100.0**	**937**
Single modes	**4 164**	**60.8**	**67**	**73.3**	**63**	**71.9**	**587**
Truck[1]	2 404	35.1	63	69.3	58	66.3	204
For-hire truck	1 620	23.7	45	49.1	48	55.3	792
Private truck	785	11.5	18	20.1	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 760	25.7	4	4.0	5	5.6	1 497
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 476**	**36.2**	**22**	**23.5**	**23**	**25.8**	**1 081**
Parcel, U.S. Postal Service or courier	2 476	36.2	22	23.5	23	25.8	1 081
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**208**	**3.0**	**3**	**3.2**	**2**	**2.3**	**250**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**5 159**	**100.0**	**823**	**100.0**	**384**	**100.0**	**482**
Single modes	**4 737**	**91.8**	**778**	**94.6**	**335**	**87.0**	**159**
Truck[1]	4 708	91.3	773	94.0	328	85.3	152
For-hire truck	1 325	25.7	269	32.7	297	77.3	894
Private truck	3 383	65.6	504	61.3	31	8.0	37
Rail	S	S	S	S	S	S	1 894
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 289
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**292**	**5.7**	**21**	**2.6**	**34**	**8.9**	**1 156**
Parcel, U.S. Postal Service or courier	273	5.3	14	1.7	16	4.3	1 154
Truck and rail	S	S	S	S	S	S	2 299
Truck and water	S	S	S	S	S	S	3 001
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**130**	**2.5**	**23**	**2.8**	**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	**21 104**	**100.0**	**3 416**	**100.0**	**1 324**	**100.0**	**888**
Single modes	**13 763**	**65.2**	**3 178**	**93.0**	**1 051**	**79.4**	**302**
Truck[1]	12 338	58.5	3 154	92.3	1 017	76.8	212
For-hire truck	6 907	32.7	1 234	36.1	634	47.9	780
Private truck	5 384	25.5	S	S	S	S	73
Rail	S	S	S	S	S	S	352
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 369	6.5	9	.3	S	S	1 551
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 896**	**32.7**	**202**	**5.9**	**247**	**18.7**	**1 142**
Parcel, U.S. Postal Service or courier	6 847	32.4	185	5.4	213	16.1	1 142
Truck and rail	48	.2	16	.5	S	S	2 226
Truck and water	S	S	S	S	S	S	2 809
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**446**	**2.1**	**36**	**1.1**	**25**	**1.9**	**S**
SCTG 41, WASTE AND SCRAP							
Total	**880**	**100.0**	**7 575**	**100.0**	**2 840**	**100.0**	**272**
Single modes	**785**	**89.2**	**7 487**	**98.8**	**2 743**	**96.6**	**258**
Truck[1]	536	60.9	3 566	47.1	894	31.5	211
For-hire truck	455	51.6	3 043	40.2	833	29.3	344
Private truck	81	9.2	522	6.9	61	2.1	74
Rail	249	28.3	S	S	S	S	452
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**	**1 178**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 152
Truck and rail	S	S	S	S	S	S	1 180
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**5**	**.6**	**8**	**.1**	**2**	**–**	**273**
SCTG 43, MIXED FREIGHT							
Total	**6 916**	**100.0**	**3 365**	**100.0**	**475**	**100.0**	**233**
Single modes	**6 736**	**97.4**	**3 319**	**98.6**	**468**	**98.5**	**80**
Truck[1]	6 732	97.3	3 319	98.6	468	98.5	80
For-hire truck	277	4.0	161	4.8	S	S	S
Private truck	6 440	93.1	3 154	93.7	371	78.1	69
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	384
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**3**	**.7**	**1 171**
Parcel, U.S. Postal Service or courier	S	S	S	S	3	.7	1 171
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**128**	**1.8**	**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	
COMMODITY UNKNOWN							
Total	**1 123**	**100.0**	**1 754**	**100.0**	**S**	**S**	**507**
Single modes	**896**	**79.8**	**1 741**	**99.3**	**S**	**S**	**316**
Truck[1]	794	70.7	1 647	93.9	115	40.7	267
For-hire truck	306	27.2	425	24.2	78	27.4	806
Private truck	488	43.5	S	S	38	13.3	84
Rail	S	S	S	S	S	S	1 716
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	–	–	–	–	1 770
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**173**	**15.4**	**4**	**.2**	**4**	**1.4**	**831**
Parcel, U.S. Postal Service or courier	173	15.4	4	.2	4	1.4	831
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**9**	**.5**	**S**	**S**	**372**

– 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	**290 711**	**850 893**	**482 828**
Less than 50 miles	87 993	330 521	6 713
50 to 99 miles	16 127	67 644	7 338
100 to 249 miles	25 147	66 275	14 659
250 to 499 miles	35 050	52 762	27 228
500 to 749 miles	30 150	109 510	102 356
750 to 999 miles	24 400	119 382	146 075
1,000 to 1,499 miles	33 999	92 223	150 067
1,500 to 1,999 miles	23 235	10 880	23 840
2,000 miles or more	14 611	1 697	4 551
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	–	–	–
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	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**2 038**	**15 888**	**6 600**
Less than 50 miles	562	4 539	150
50 to 99 miles	140	1 249	121
100 to 249 miles	371	3 393	685
250 to 499 miles	391	3 031	1 783
500 to 749 miles	400	2 727	2 554
750 to 999 miles	81	543	664
1,000 to 1,499 miles	72	390	613
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**4 132**	**6 566**	**4 948**
Less than 50 miles	1 561	2 008	37
50 to 99 miles	216	229	22
100 to 249 miles	393	485	99
250 to 499 miles	414	S	S
500 to 749 miles	305	660	513
750 to 999 miles	333	S	S
1,000 to 1,499 miles	412	772	1 248
1,500 to 1,999 miles	411	S	S
2,000 miles or more	87	132	349
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 453**	**9 510**	**2 406**
Less than 50 miles	1 582	5 521	143
50 to 99 miles	291	858	72
100 to 249 miles	453	957	207
250 to 499 miles	351	883	408
500 to 749 miles	287	618	513
750 to 999 miles	176	324	387
1,000 to 1,499 miles	150	192	292
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	70	194
SCTG 05, Meat, fish, seafood, and their preparations	**8 411**	**2 991**	**1 842**
Less than 50 miles	2 813	920	14
50 to 99 miles	398	147	13
100 to 249 miles	408	209	47
250 to 499 miles	1 041	416	189
500 to 749 miles	1 604	478	377
750 to 999 miles	765	297	324
1,000 to 1,499 miles	891	349	499
1,500 to 1,999 miles	410	138	266
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**3 668**	**2 681**	**1 248**
Less than 50 miles	1 301	908	17
50 to 99 miles	267	153	14
100 to 249 miles	578	379	74
250 to 499 miles	502	381	173
500 to 749 miles	326	348	270
750 to 999 miles	217	261	298
1,000 to 1,499 miles	299	171	236
1,500 to 1,999 miles	163	68	139
2,000 miles or more	15	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**14 522**	**20 560**	**6 149**
Less than 50 miles	6 614	11 884	205
50 to 99 miles	887	1 607	153
100 to 249 miles	1 751	2 232	429
250 to 499 miles	1 528	1 612	760
500 to 749 miles	1 118	972	781
750 to 999 miles	665	529	587
1,000 to 1,499 miles	1 054	932	1 480
1,500 to 1,999 miles	771	681	1 466
2,000 miles or more	133	111	287

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	**6 276**	**9 053**	**8 332**
Less than 50 miles	3 260	2 631	48
50 to 99 miles	636	545	51
100 to 249 miles	391	300	63
250 to 499 miles	310	449	229
500 to 749 miles	478	1 071	1 077
750 to 999 miles	505	1 502	1 964
1,000 to 1,499 miles	400	1 402	2 521
1,500 to 1,999 miles	297	S	S
2,000 miles or more	–	–	–
SCTG 09, Tobacco products	**775**	**29**	**S**
Less than 50 miles	273	13	–
50 to 99 miles	95	6	1
100 to 249 miles	109	4	1
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 10, Monumental or building stone	**S**	**128**	**30**
Less than 50 miles	S	72	2
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	4	3
750 to 999 miles	S	S	S
1,000 to 1,499 miles	1	4	6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**193**	**19 363**	**823**
Less than 50 miles	S	16 328	256
50 to 99 miles	8	1 711	144
100 to 249 miles	9	904	174
250 to 499 miles	6	339	158
500 to 749 miles	3	45	43
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	4	6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**568**	**82 583**	**2 978**
Less than 50 miles	511	75 517	1 847
50 to 99 miles	28	4 260	421
100 to 249 miles	18	S	S
250 to 499 miles	S	501	222
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	S	S	S
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**849**	**12 289**	**8 831**
Less than 50 miles	125	S	S
50 to 99 miles	13	617	53
100 to 249 miles	87	1 331	328
250 to 499 miles	66	750	338
500 to 749 miles	161	1 701	1 477
750 to 999 miles	96	1 285	1 527
1,000 to 1,499 miles	216	2 171	3 446
1,500 to 1,999 miles	79	707	1 504
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**4 726**	**11 325**	**1 680**
Less than 50 miles	865	S	25
50 to 99 miles	785	1 233	124
100 to 249 miles	1 047	1 241	287
250 to 499 miles	750	393	155
500 to 749 miles	S	S	S
750 to 999 miles	243	88	128
1,000 to 1,499 miles	185	S	S
1,500 to 1,999 miles	347	50	103
2,000 miles or more	246	S	S
SCTG 15, Coal	**4 818**	**396 848**	**346 938**
Less than 50 miles	1 148	66 426	1 053
50 to 99 miles	562	23 776	2 636
100 to 249 miles	355	22 854	5 615
250 to 499 miles	304	23 347	12 277
500 to 749 miles	727	81 999	76 950
750 to 999 miles	959	105 603	129 320
1,000 to 1,499 miles	727	70 530	113 472
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–

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	**9 119**	**31 136**	**5 393**
Less than 50 miles	5 762	19 272	375
50 to 99 miles	1 033	3 424	354
100 to 249 miles	1 517	4 902	983
250 to 499 miles	244	830	328
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	–	–	–
SCTG 18, Fuel oils	**4 082**	**18 509**	**2 735**
Less than 50 miles	2 539	10 925	210
50 to 99 miles	570	2 630	264
100 to 249 miles	675	3 194	615
250 to 499 miles	168	823	477
500 to 749 miles	22	229	198
750 to 999 miles	S	384	S
1,000 to 1,499 miles	S	311	484
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**3 059**	**32 706**	**S**
Less than 50 miles	1 240	6 380	123
50 to 99 miles	484	S	S
100 to 249 miles	559	4 104	1 025
250 to 499 miles	276	3 650	2 207
500 to 749 miles	221	5 246	5 503
750 to 999 miles	163	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 20, Basic chemicals	**4 587**	**25 726**	**17 806**
Less than 50 miles	1 039	7 469	333
50 to 99 miles	212	3 180	354
100 to 249 miles	466	2 746	601
250 to 499 miles	326	1 611	871
500 to 749 miles	652	4 149	4 103
750 to 999 miles	S	1 457	1 844
1,000 to 1,499 miles	881	3 014	4 946
1,500 to 1,999 miles	401	1 930	4 293
2,000 miles or more	104	S	S
SCTG 21, Pharmaceutical products	**10 327**	**258**	**222**
Less than 50 miles	2 759	73	1
50 to 99 miles	682	11	1
100 to 249 miles	975	23	5
250 to 499 miles	1 745	30	12
500 to 749 miles	576	S	S
750 to 999 miles	543	16	18
1,000 to 1,499 miles	1 464	50	80
1,500 to 1,999 miles	1 258	41	87
2,000 miles or more	325	4	9
SCTG 22, Fertilizers	**1 653**	**9 765**	**6 180**
Less than 50 miles	592	2 643	62
50 to 99 miles	92	492	49
100 to 249 miles	171	946	233
250 to 499 miles	215	1 372	707
500 to 749 miles	331	2 342	2 110
750 to 999 miles	107	1 002	1 193
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.	**8 944**	**3 182**	**1 916**
Less than 50 miles	1 859	919	12
50 to 99 miles	395	157	15
100 to 249 miles	S	S	S
250 to 499 miles	670	243	105
500 to 749 miles	681	459	340
750 to 999 miles	754	171	197
1,000 to 1,499 miles	2 476	403	616
1,500 to 1,999 miles	855	231	458
2,000 miles or more	120	S	S
SCTG 24, Plastics and rubber	**6 555**	**1 756**	**726**
Less than 50 miles	2 783	694	12
50 to 99 miles	374	124	13
100 to 249 miles	622	217	49
250 to 499 miles	911	272	122
500 to 749 miles	590	187	147
750 to 999 miles	450	106	116
1,000 to 1,499 miles	473	95	142
1,500 to 1,999 miles	236	55	107
2,000 miles or more	117	7	17

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	**716**	**15 600**	**1 178**
Less than 50 miles	350	9 962	S
50 to 99 miles	176	3 574	339
100 to 249 miles	153	1 873	298
250 to 499 miles	19	138	72
500 to 749 miles	8	S	S
750 to 999 miles	7	13	14
1,000 to 1,499 miles	2	2	4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**8 066**	**14 027**	**9 032**
Less than 50 miles	3 286	4 985	96
50 to 99 miles	550	1 045	103
100 to 249 miles	834	1 962	417
250 to 499 miles	612	1 390	657
500 to 749 miles	421	868	793
750 to 999 miles	462	821	1 101
1,000 to 1,499 miles	973	1 733	2 923
1,500 to 1,999 miles	619	840	1 880
2,000 miles or more	309	383	1 061
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 987**	**1 887**	**1 141**
Less than 50 miles	794	447	7
50 to 99 miles	95	47	4
100 to 249 miles	213	249	61
250 to 499 miles	494	537	283
500 to 749 miles	138	143	116
750 to 999 miles	144	316	419
1,000 to 1,499 miles	58	100	142
1,500 to 1,999 miles	46	45	100
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**3 431**	**2 256**	**850**
Less than 50 miles	1 414	991	19
50 to 99 miles	165	153	14
100 to 249 miles	332	305	63
250 to 499 miles	446	286	144
500 to 749 miles	585	257	208
750 to 999 miles	225	135	S
1,000 to 1,499 miles	187	95	151
1,500 to 1,999 miles	67	26	53
2,000 miles or more	S	S	S
SCTG 29, Printed products	**8 593**	**2 603**	**504**
Less than 50 miles	3 950	1 920	36
50 to 99 miles	285	146	13
100 to 249 miles	300	108	22
250 to 499 miles	604	135	63
500 to 749 miles	999	114	93
750 to 999 miles	742	64	74
1,000 to 1,499 miles	838	61	87
1,500 to 1,999 miles	657	36	69
2,000 miles or more	218	19	49
SCTG 30, Textiles, leather, and articles of textiles or leather	**7 398**	**714**	**327**
Less than 50 miles	1 314	303	5
50 to 99 miles	346	79	5
100 to 249 miles	756	97	23
250 to 499 miles	1 095	66	30
500 to 749 miles	664	39	32
750 to 999 miles	592	29	31
1,000 to 1,499 miles	823	30	44
1,500 to 1,999 miles	1 090	44	90
2,000 miles or more	719	S	S
SCTG 31, Nonmetallic mineral products	**5 634**	**67 485**	**6 648**
Less than 50 miles	3 484	53 568	904
50 to 99 miles	556	4 957	492
100 to 249 miles	460	3 933	811
250 to 499 miles	397	2 827	1 368
500 to 749 miles	189	758	671
750 to 999 miles	186	451	546
1,000 to 1,499 miles	152	676	1 153
1,500 to 1,999 miles	160	248	526
2,000 miles or more	51	66	177
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11 274**	**8 336**	**5 064**
Less than 50 miles	3 456	2 900	56
50 to 99 miles	333	416	38
100 to 249 miles	1 139	842	162
250 to 499 miles	1 225	968	449
500 to 749 miles	1 912	1 415	1 207
750 to 999 miles	499	444	522
1,000 to 1,499 miles	1 512	812	1 339
1,500 to 1,999 miles	508	227	481
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 33, Articles of base metal	**8 467**	**3 763**	**1 514**
Less than 50 miles	3 658	1 730	30
50 to 99 miles	490	275	24
100 to 249 miles	542	295	53
250 to 499 miles	888	356	161
500 to 749 miles	1 085	634	503
750 to 999 miles	647	229	257
1,000 to 1,499 miles	571	111	164
1,500 to 1,999 miles	415	63	130
2,000 miles or more	171	S	S
SCTG 34, Machinery	**13 290**	**1 350**	**768**
Less than 50 miles	4 524	455	9
50 to 99 miles	721	75	S
100 to 249 miles	1 596	202	41
250 to 499 miles	1 334	132	59
500 to 749 miles	1 155	120	96
750 to 999 miles	1 536	140	152
1,000 to 1,499 miles	1 130	115	162
1,500 to 1,999 miles	885	88	175
2,000 miles or more	411	22	65
SCTG 35, Electronic and other electrical equipment and components and office equipment	**57 655**	**1 256**	**800**
Less than 50 miles	6 668	430	7
50 to 99 miles	1 376	101	8
100 to 249 miles	1 071	76	16
250 to 499 miles	8 089	197	92
500 to 749 miles	8 032	98	74
750 to 999 miles	8 591	107	123
1,000 to 1,499 miles	9 050	91	136
1,500 to 1,999 miles	6 615	85	171
2,000 miles or more	8 162	70	174
SCTG 36, Motorized and other vehicles (including parts)	**12 467**	**1 431**	**1 136**
Less than 50 miles	2 260	338	8
50 to 99 miles	638	96	10
100 to 249 miles	1 222	159	34
250 to 499 miles	1 150	124	57
500 to 749 miles	1 754	206	165
750 to 999 miles	S	52	59
1,000 to 1,499 miles	2 974	S	S
1,500 to 1,999 miles	1 066	111	218
2,000 miles or more	S	12	29
SCTG 37, Transportation equipment, n.e.c.	**6 770**	**S**	**151**
Less than 50 miles	1 297	S	S
50 to 99 miles	80	S	S
100 to 249 miles	77	S	S
250 to 499 miles	637	17	8
500 to 749 miles	834	S	S
750 to 999 miles	280	4	4
1,000 to 1,499 miles	1 199	S	S
1,500 to 1,999 miles	2 081	18	43
2,000 miles or more	286	3	7
SCTG 38, Precision instruments and apparatus	**6 848**	**92**	**88**
Less than 50 miles	1 094	16	–
50 to 99 miles	81	1	–
100 to 249 miles	263	5	1
250 to 499 miles	853	10	5
500 to 749 miles	879	21	16
750 to 999 miles	834	14	15
1,000 to 1,499 miles	1 522	10	15
1,500 to 1,999 miles	964	10	20
2,000 miles or more	358	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**5 159**	**823**	**384**
Less than 50 miles	3 109	457	8
50 to 99 miles	223	29	3
100 to 249 miles	308	63	14
250 to 499 miles	281	54	26
500 to 749 miles	280	54	43
750 to 999 miles	209	35	38
1,000 to 1,499 miles	321	55	82
1,500 to 1,999 miles	277	51	106
2,000 miles or more	151	26	65
SCTG 40, Miscellaneous manufactured products	**21 104**	**3 416**	**1 324**
Less than 50 miles	3 742	1 130	25
50 to 99 miles	973	S	S
100 to 249 miles	2 048	S	132
250 to 499 miles	5 669	569	265
500 to 749 miles	1 850	278	224
750 to 999 miles	1 835	142	155
1,000 to 1,499 miles	1 987	153	228
1,500 to 1,999 miles	2 052	100	197
2,000 miles or more	949	24	64

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	**880**	**7 575**	**2 840**
Less than 50 miles	147	S	10
50 to 99 miles	44	S	S
100 to 249 miles	S	1 389	283
250 to 499 miles	122	S	S
500 to 749 miles	82	491	463
750 to 999 miles	S	179	219
1,000 to 1,499 miles	126	169	266
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**6 916**	**3 365**	**475**
Less than 50 miles	3 672	1 850	36
50 to 99 miles	795	426	42
100 to 249 miles	1 463	679	142
250 to 499 miles	572	244	98
500 to 749 miles	322	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
Commodity unknown	**1 123**	**1 754**	**S**
Less than 50 miles	385	S	S
50 to 99 miles	34	15	2
100 to 249 miles	50	S	S
250 to 499 miles	241	S	22
500 to 749 miles	95	19	S
750 to 999 miles	52	S	S
1,000 to 1,499 miles	89	S	S
1,500 to 1,999 miles	159	S	S
2,000 miles or more	19	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	**290 711**	**850 893**	**482 828**
Less than 50 lb	56 841	1 489	609
50 to 99 lb	14 868	784	251
100 to 499 lb	37 363	4 071	809
500 to 749 lb	11 309	1 904	346
750 to 999 lb	7 221	1 578	244
1,000 to 9,999 lb	51 358	26 875	4 530
10,000 to 49,999 lb	69 585	181 971	36 002
50,000 to 99,999 lb	17 585	136 686	17 212
100,000 lb or more	24 581	495 534	422 825
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	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
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**2 038**	**15 888**	**6 600**
Less than 50 lb	S	S	S
50 to 99 lb	1	S	–
100 to 499 lb	3	11	S
500 to 749 lb	S	S	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	53	202	S
10,000 to 49,999 lb	221	1 205	164
50,000 to 99,999 lb	788	7 333	1 249
100,000 lb or more	962	7 109	5 174
SCTG 03, Other agricultural products	**4 132**	**6 566**	**4 948**
Less than 50 lb	33	7	1
50 to 99 lb	34	16	1
100 to 499 lb	302	197	15
500 to 749 lb	130	103	9
750 to 999 lb	85	77	S
1,000 to 9,999 lb	1 095	1 313	S
10,000 to 49,999 lb	2 246	4 415	3 951
50,000 to 99,999 lb	95	191	108
100,000 lb or more	112	247	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 453**	**9 510**	**2 406**
Less than 50 lb	S	8	S
50 to 99 lb	S	S	S
100 to 499 lb	S	177	S
500 to 749 lb	S	S	7
750 to 999 lb	30	43	1
1,000 to 9,999 lb	463	869	74
10,000 to 49,999 lb	2 259	5 759	1 392
50,000 to 99,999 lb	244	1 442	155
100,000 lb or more	168	1 104	768
SCTG 05, Meat, fish, seafood, and their preparations	**8 411**	**2 991**	**1 842**
Less than 50 lb	217	23	S
50 to 99 lb	151	25	1
100 to 499 lb	744	172	8
500 to 749 lb	184	55	3
750 to 999 lb	103	30	3
1,000 to 9,999 lb	1 722	581	169
10,000 to 49,999 lb	5 113	1 982	1 579
50,000 to 99,999 lb	81	62	S
100,000 lb or more	96	62	S
SCTG 06, Milled grain products and preparations, and bakery products	**3 668**	**2 681**	**1 248**
Less than 50 lb	37	6	S
50 to 99 lb	38	10	S
100 to 499 lb	S	126	14
500 to 749 lb	S	59	5
750 to 999 lb	88	40	5
1,000 to 9,999 lb	1 147	626	131
10,000 to 49,999 lb	1 729	1 520	992
50,000 to 99,999 lb	47	196	20
100,000 lb or more	20	98	77
SCTG 07, Other prepared foodstuffs and fats and oils	**14 522**	**20 560**	**6 149**
Less than 50 lb	S	S	S
50 to 99 lb	131	58	3
100 to 499 lb	662	395	27
500 to 749 lb	290	212	13
750 to 999 lb	332	214	17
1,000 to 9,999 lb	3 042	2 867	344
10,000 to 49,999 lb	7 613	11 455	3 443
50,000 to 99,999 lb	1 124	3 249	500
100,000 lb or more	995	1 756	1 792

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	**6 276**	**9 053**	**8 332**
Less than 50 lb	88	12	1
50 to 99 lb	61	22	1
100 to 499 lb	566	296	12
500 to 749 lb	248	167	5
750 to 999 lb	222	155	5
1,000 to 9,999 lb	2 081	1 708	66
10,000 to 49,999 lb	1 640	2 108	1 290
50,000 to 99,999 lb	230	416	S
100,000 lb or more	1 140	4 169	6 523
SCTG 09, Tobacco products	**775**	**29**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	55	2	S
100 to 499 lb	199	8	1
500 to 749 lb	43	2	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	114	8	1
10,000 to 49,999 lb	–	–	–
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**S**	**128**	**30**
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	S	S	S
1,000 to 9,999 lb	10	19	2
10,000 to 49,999 lb	S	69	17
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**193**	**19 363**	**823**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	S
500 to 749 lb	S	1	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	7	286	8
10,000 to 49,999 lb	86	9 649	324
50,000 to 99,999 lb	S	5 406	223
100,000 lb or more	S	4 018	267
SCTG 12, Gravel and crushed stone	**568**	**82 583**	**2 978**
Less than 50 lb	–	–	–
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	12	779	19
10,000 to 49,999 lb	335	42 591	1 711
50,000 to 99,999 lb	168	28 878	797
100,000 lb or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**849**	**12 289**	**8 831**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	5	–
500 to 749 lb	S	1	S
750 to 999 lb	S	1	S
1,000 to 9,999 lb	S	93	12
10,000 to 49,999 lb	272	3 076	1 896
50,000 to 99,999 lb	96	1 981	519
100,000 lb or more	419	7 131	6 403
SCTG 14, Metallic ores and concentrates	**4 726**	**11 325**	**1 680**
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	S	S	S
1,000 to 9,999 lb	175	3	S
10,000 to 49,999 lb	1 134	636	241
50,000 to 99,999 lb	489	509	153
100,000 lb or more	2 521	10 177	1 285
SCTG 15, Coal	**4 818**	**396 848**	**346 938**
Less than 50 lb	–	–	–
50 to 99 lb	–	–	–
100 to 499 lb	–	–	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	37	2
10,000 to 49,999 lb	S	376	30
50,000 to 99,999 lb	223	13 325	1 119
100,000 lb or more	4 558	383 108	345 787

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	**9 119**	**31 136**	**5 393**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	8	8	–
500 to 749 lb	7	18	S
750 to 999 lb	11	21	S
1,000 to 9,999 lb	849	1 603	177
10,000 to 49,999 lb	2 281	7 526	1 647
50,000 to 99,999 lb	4 820	17 405	S
100,000 lb or more	1 142	4 553	552
SCTG 18, Fuel oils	**4 082**	**18 509**	**2 735**
Less than 50 lb	S	S	S
50 to 99 lb	1	1	–
100 to 499 lb	6	13	–
500 to 749 lb	12	38	2
750 to 999 lb	9	33	2
1,000 to 9,999 lb	645	1 781	114
10,000 to 49,999 lb	921	3 806	515
50,000 to 99,999 lb	1 873	8 879	964
100,000 lb or more	614	3 957	1 137
SCTG 19, Coal and petroleum products, n.e.c.	**3 059**	**32 706**	**S**
Less than 50 lb	43	9	1
50 to 99 lb	S	9	S
100 to 499 lb	125	96	S
500 to 749 lb	S	41	1
750 to 999 lb	84	S	6
1,000 to 9,999 lb	312	597	35
10,000 to 49,999 lb	653	4 112	874
50,000 to 99,999 lb	779	6 858	1 370
100,000 lb or more	955	20 844	S
SCTG 20, Basic chemicals	**4 587**	**25 726**	**17 806**
Less than 50 lb	598	10	10
50 to 99 lb	28	9	–
100 to 499 lb	148	101	6
500 to 749 lb	83	74	3
750 to 999 lb	37	35	2
1,000 to 9,999 lb	622	427	77
10,000 to 49,999 lb	1 321	5 417	1 537
50,000 to 99,999 lb	225	5 280	1 009
100,000 lb or more	1 525	14 373	15 162
SCTG 21, Pharmaceutical products	**10 327**	**258**	**222**
Less than 50 lb	6 353	50	37
50 to 99 lb	839	14	7
100 to 499 lb	1 239	27	11
500 to 749 lb	69	5	S
750 to 999 lb	40	S	1
1,000 to 9,999 lb	1 092	72	19
10,000 to 49,999 lb	646	86	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 22, Fertilizers	**1 653**	**9 765**	**6 180**
Less than 50 lb	S	S	S
50 to 99 lb	S	1	S
100 to 499 lb	11	S	1
500 to 749 lb	5	6	–
750 to 999 lb	3	4	–
1,000 to 9,999 lb	154	547	25
10,000 to 49,999 lb	500	2 569	530
50,000 to 99,999 lb	411	2 682	1 277
100,000 lb or more	562	3 939	4 348
SCTG 23, Chemical products and preparations, n.e.c.	**8 944**	**3 182**	**1 916**
Less than 50 lb	588	35	14
50 to 99 lb	279	35	S
100 to 499 lb	921	112	27
500 to 749 lb	238	42	14
750 to 999 lb	151	34	9
1,000 to 9,999 lb	1 822	378	163
10,000 to 49,999 lb	4 813	2 087	1 605
50,000 to 99,999 lb	S	S	36
100,000 lb or more	S	76	38
SCTG 24, Plastics and rubber	**6 555**	**1 756**	**726**
Less than 50 lb	1 339	61	19
50 to 99 lb	442	49	11
100 to 499 lb	1 265	193	35
500 to 749 lb	358	66	15
750 to 999 lb	334	71	19
1,000 to 9,999 lb	1 707	673	211
10,000 to 49,999 lb	1 035	592	388
50,000 to 99,999 lb	11	S	S
100,000 lb or more	S	S	S

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	**716**	**15 600**	**1 178**
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	S	–	S
1,000 to 9,999 lb	14	29	3
10,000 to 49,999 lb	70	615	70
50,000 to 99,999 lb	613	14 811	1 030
100,000 lb or more	16	143	75
SCTG 26, Wood products	**8 066**	**14 027**	**9 032**
Less than 50 lb	132	12	5
50 to 99 lb	85	12	2
100 to 499 lb	393	109	S
500 to 749 lb	245	74	S
750 to 999 lb	114	50	3
1,000 to 9,999 lb	1 693	1 413	147
10,000 to 49,999 lb	3 161	5 677	2 295
50,000 to 99,999 lb	843	3 043	1 069
100,000 lb or more	1 400	3 637	5 458
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 987**	**1 887**	**1 141**
Less than 50 lb	67	10	1
50 to 99 lb	64	15	2
100 to 499 lb	272	84	11
500 to 749 lb	99	43	4
750 to 999 lb	84	33	3
1,000 to 9,999 lb	541	318	58
10,000 to 49,999 lb	630	808	459
50,000 to 99,999 lb	39	68	54
100,000 lb or more	191	508	548
SCTG 28, Paper or paperboard articles	**3 431**	**2 256**	**850**
Less than 50 lb	199	20	11
50 to 99 lb	100	25	5
100 to 499 lb	348	116	17
500 to 749 lb	124	55	9
750 to 999 lb	110	49	7
1,000 to 9,999 lb	884	580	128
10,000 to 49,999 lb	1 512	1 199	494
50,000 to 99,999 lb	47	62	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**8 593**	**2 603**	**504**
Less than 50 lb	3 159	281	111
50 to 99 lb	572	96	21
100 to 499 lb	1 218	190	42
500 to 749 lb	424	86	16
750 to 999 lb	218	61	13
1,000 to 9,999 lb	1 811	886	149
10,000 to 49,999 lb	1 096	937	151
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	**7 398**	**714**	**327**
Less than 50 lb	3 038	70	74
50 to 99 lb	329	16	9
100 to 499 lb	772	67	30
500 to 749 lb	293	29	15
750 to 999 lb	399	30	15
1,000 to 9,999 lb	1 589	165	80
10,000 to 49,999 lb	969	318	99
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**5 634**	**67 485**	**6 648**
Less than 50 lb	225	14	5
50 to 99 lb	76	9	2
100 to 499 lb	284	95	S
500 to 749 lb	124	49	6
750 to 999 lb	57	29	3
1,000 to 9,999 lb	1 021	2 785	250
10,000 to 49,999 lb	2 728	48 442	2 785
50,000 to 99,999 lb	713	10 078	1 013
100,000 lb or more	404	5 983	2 567
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11 274**	**8 336**	**5 064**
Less than 50 lb	212	12	3
50 to 99 lb	92	14	2
100 to 499 lb	468	99	15
500 to 749 lb	147	54	9
750 to 999 lb	103	52	7
1,000 to 9,999 lb	1 601	887	154
10,000 to 49,999 lb	4 248	3 827	1 598
50,000 to 99,999 lb	379	549	178
100,000 lb or more	4 024	2 842	3 099

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	**8 467**	**3 763**	**1 514**
Less than 50 lb	1 060	48	12
50 to 99 lb	452	42	11
100 to 499 lb	1 316	234	42
500 to 749 lb	331	81	21
750 to 999 lb	201	66	16
1,000 to 9,999 lb	2 199	990	276
10,000 to 49,999 lb	2 187	1 594	717
50,000 to 99,999 lb	428	185	94
100,000 lb or more	291	524	S
SCTG 34, Machinery	**13 290**	**1 350**	**768**
Less than 50 lb	2 561	48	14
50 to 99 lb	651	27	7
100 to 499 lb	2 141	157	48
500 to 749 lb	632	53	28
750 to 999 lb	476	45	20
1,000 to 9,999 lb	3 181	356	179
10,000 to 49,999 lb	3 059	495	296
50,000 to 99,999 lb	451	111	S
100,000 lb or more	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**57 655**	**1 256**	**800**
Less than 50 lb	24 374	173	144
50 to 99 lb	6 887	89	65
100 to 499 lb	12 654	273	163
500 to 749 lb	2 832	75	54
750 to 999 lb	1 729	52	27
1,000 to 9,999 lb	7 323	383	205
10,000 to 49,999 lb	1 855	206	142
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**12 467**	**1 431**	**1 136**
Less than 50 lb	1 414	65	19
50 to 99 lb	454	34	13
100 to 499 lb	1 261	108	31
500 to 749 lb	462	57	15
750 to 999 lb	S	29	9
1,000 to 9,999 lb	2 399	270	196
10,000 to 49,999 lb	5 630	822	843
50,000 to 99,999 lb	62	25	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**6 770**	**S**	**151**
Less than 50 lb	1 459	6	4
50 to 99 lb	646	S	4
100 to 499 lb	1 288	8	7
500 to 749 lb	S	2	S
750 to 999 lb	34	S	S
1,000 to 9,999 lb	S	29	28
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	1 497	S	S
SCTG 38, Precision instruments and apparatus	**6 848**	**92**	**88**
Less than 50 lb	3 337	13	12
50 to 99 lb	745	7	6
100 to 499 lb	1 425	18	14
500 to 749 lb	258	5	3
750 to 999 lb	99	S	2
1,000 to 9,999 lb	785	24	25
10,000 to 49,999 lb	200	20	26
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**5 159**	**823**	**384**
Less than 50 lb	289	14	10
50 to 99 lb	220	18	5
100 to 499 lb	1 569	171	24
500 to 749 lb	513	S	9
750 to 999 lb	289	40	11
1,000 to 9,999 lb	1 538	298	135
10,000 to 49,999 lb	721	209	180
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**21 104**	**3 416**	**1 324**
Less than 50 lb	4 926	96	78
50 to 99 lb	1 152	62	S
100 to 499 lb	4 427	190	128
500 to 749 lb	1 374	58	37
750 to 999 lb	751	34	18
1,000 to 9,999 lb	3 333	432	219
10,000 to 49,999 lb	3 284	1 252	524
50,000 to 99,999 lb	S	S	S
100,000 lb or more	61	S	S

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	**880**	**7 575**	**2 840**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	26	67	7
10,000 to 49,999 lb	543	1 721	708
50,000 to 99,999 lb	73	S	355
100,000 lb or more	233	S	S
SCTG 43, Mixed freight	**6 916**	**3 365**	**475**
Less than 50 lb	210	17	S
50 to 99 lb	93	23	1
100 to 499 lb	553	183	13
500 to 749 lb	293	125	10
750 to 999 lb	173	81	8
1,000 to 9,999 lb	3 154	1 411	216
10,000 to 49,999 lb	2 322	1 438	209
50,000 to 99,999 lb	108	82	10
100,000 lb or more	S	S	S
Commodity unknown	**1 123**	**1 754**	**S**
Less than 50 lb	193	3	2
50 to 99 lb	82	3	S
100 to 499 lb	135	13	4
500 to 749 lb	S	9	2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	353	82	21
10,000 to 49,999 lb	171	S	S
50,000 to 99,999 lb	S	S	20
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	**290 711**	**850 893**	**482 828**	**534**	**87 993**	**330 521**	**6 713**	**16 127**	**67 644**	**7 338**
Less than 50 lb	56 841	1 489	609	613	10 903	920	15	2 055	56	5
50 to 99 lb	14 868	784	251	315	3 941	492	8	535	51	5
100 to 499 lb	37 363	4 071	809	204	12 207	2 748	48	1 754	312	29
500 to 749 lb	11 309	1 904	346	181	4 445	1 333	26	440	141	13
750 to 999 lb	7 221	1 578	244	153	2 506	1 099	20	279	114	11
1,000 to 9,999 lb	51 358	26 875	4 530	168	21 053	18 505	356	3 071	2 106	202
10,000 to 49,999 lb	69 585	181 971	36 002	185	19 746	125 829	2 652	3 922	11 241	1 057
50,000 to 99,999 lb	17 585	136 686	17 212	125	8 453	84 783	2 253	2 342	21 689	2 179
100,000 lb or more	24 581	495 534	422 825	771	4 740	94 813	1 337	1 730	31 935	3 836
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**256**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	23	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	123	–	–	–	S	S	S
500 to 749 lb	S	S	S	58	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	12	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	1 029	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	848	–	–	–	–	–	–
100,000 lb or more	S	S	S	556	–	–	–	–	–	–
SCTG 02, Cereal grains	**2 038**	**15 888**	**6 600**	**146**	**562**	**4 539**	**150**	**140**	**1 249**	**121**
Less than 50 lb	S	S	S	1 583	–	–	–	S	S	S
50 to 99 lb	1	S	–	S	S	S	S	–	–	–
100 to 499 lb	3	11	S	118	2	10	S	–	–	–
500 to 749 lb	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	53	202	S	67	40	185	3	S	S	S
10,000 to 49,999 lb	221	1 205	164	95	114	784	18	13	78	7
50,000 to 99,999 lb	788	7 333	1 249	175	292	2 684	100	92	868	73
100,000 lb or more	962	7 109	5 174	693	S	S	S	S	S	S
SCTG 03, Other agricultural products	**4 132**	**6 566**	**4 948**	**178**	**1 561**	**2 008**	**37**	**216**	**229**	**22**
Less than 50 lb	33	7	1	213	20	5	–	4	–	–
50 to 99 lb	34	16	1	S	24	12	–	2	1	–
100 to 499 lb	302	197	15	S	173	138	2	23	20	2
500 to 749 lb	130	103	9	S	80	69	1	S	S	1
750 to 999 lb	85	77	S	104	62	58	1	S	S	S
1,000 to 9,999 lb	1 095	1 313	S	227	649	785	10	S	S	S
10,000 to 49,999 lb	2 246	4 415	3 951	823	490	859	21	35	74	7
50,000 to 99,999 lb	95	191	108	495	57	64	1	S	S	S
100,000 lb or more	112	247	S	1 930	S	18	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**3 453**	**9 510**	**2 406**	**S**	**1 582**	**5 521**	**143**	**291**	**858**	**72**
Less than 50 lb	S	8	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	177	S	S	125	157	S	S	S	S
500 to 749 lb	S	S	7	S	S	S	S	S	S	S
750 to 999 lb	30	43	1	S	26	41	–	S	S	S
1,000 to 9,999 lb	463	869	74	72	295	658	18	S	69	6
10,000 to 49,999 lb	2 259	5 759	1 392	187	886	3 337	83	206	625	53
50,000 to 99,999 lb	244	1 442	155	111	S	936	30	23	151	12
100,000 lb or more	168	1 104	768	894	16	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**8 411**	**2 991**	**1 842**	**76**	**2 813**	**920**	**14**	**398**	**147**	**13**
Less than 50 lb	217	23	S	34	197	21	S	7	1	–
50 to 99 lb	151	25	1	36	134	21	S	13	3	–
100 to 499 lb	744	172	8	44	641	138	2	55	18	2
500 to 749 lb	184	55	3	57	152	44	1	16	6	–
750 to 999 lb	103	30	3	95	72	18	–	S	5	–
1,000 to 9,999 lb	1 722	581	169	187	820	260	3	204	74	7
10,000 to 49,999 lb	5 113	1 982	1 579	734	723	371	7	86	41	3
50,000 to 99,999 lb	81	62	S	356	48	39	S	–	–	–
100,000 lb or more	96	62	S	968	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**3 668**	**2 681**	**1 248**	**217**	**1 301**	**908**	**17**	**267**	**153**	**14**
Less than 50 lb	37	6	S	380	19	3	–	2	–	–
50 to 99 lb	38	10	S	270	18	6	–	S	1	–
100 to 499 lb	S	126	14	115	S	87	1	31	11	1
500 to 749 lb	S	59	5	75	S	42	S	S	5	1
750 to 999 lb	88	40	5	123	35	19	–	S	8	1
1,000 to 9,999 lb	1 147	626	131	188	441	249	5	124	72	7
10,000 to 49,999 lb	1 729	1 520	992	579	344	349	7	66	S	S
50,000 to 99,999 lb	47	196	20	101	S	S	S	–	–	–
100,000 lb or more	20	98	77	781	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	**14 522**	**20 560**	**6 149**	**S**	**6 614**	**11 884**	**205**	**887**	**1 607**	**153**
Less than 50 lb	S	S	S	S	S	S	S	8	2	–
50 to 99 lb	131	58	3	47	108	48	1	11	5	–
100 to 499 lb	662	395	27	64	442	294	5	65	42	4
500 to 749 lb	290	212	13	61	220	164	3	28	17	2
750 to 999 lb	332	214	17	76	248	152	3	19	10	1
1,000 to 9,999 lb	3 042	2 867	344	115	1 733	2 030	35	264	225	22
10,000 to 49,999 lb	7 613	11 455	3 443	258	2 605	5 832	112	405	1 067	93
50,000 to 99,999 lb	1 124	3 249	500	S	739	2 559	32	S	S	S
100,000 lb or more	995	1 756	1 792	1 314	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**6 276**	**9 053**	**8 332**	**62**	**3 260**	**2 631**	**48**	**636**	**545**	**51**
Less than 50 lb	88	12	1	56	70	9	–	11	2	–
50 to 99 lb	61	22	1	41	50	18	–	6	2	–
100 to 499 lb	566	296	12	43	430	243	5	75	31	3
500 to 749 lb	248	167	5	32	202	143	3	37	19	2
750 to 999 lb	222	155	5	29	187	135	2	25	16	1
1,000 to 9,999 lb	2 081	1 708	66	35	1 639	1 460	26	233	165	17
10,000 to 49,999 lb	1 640	2 108	1 290	429	644	597	11	178	195	15
50,000 to 99,999 lb	230	416	S	1 061	S	S	S	S	S	S
100,000 lb or more	1 140	4 169	6 523	1 500	S	S	S	S	S	S
SCTG 09, Tobacco products	**775**	**29**	**S**	**905**	**273**	**13**	**–**	**95**	**6**	**1**
Less than 50 lb	S	S	S	967	45	1	S	S	S	S
50 to 99 lb	55	2	S	884	22	1	–	8	–	–
100 to 499 lb	199	8	1	148	121	5	–	27	1	–
500 to 749 lb	43	2	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	64	S	S	–	S	S	S
1,000 to 9,999 lb	114	8	1	92	62	4	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**128**	**30**	**S**	**S**	**72**	**2**	**S**	**S**	**S**
Less than 50 lb	S	S	S	6	S	S	S	–	–	–
50 to 99 lb	S	S	S	66	S	S	S	S	S	S
100 to 499 lb	S	S	–	S	S	S	S	S	S	S
500 to 749 lb	S	–	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	29	S	S	S	–	–	–
1,000 to 9,999 lb	10	19	2	S	S	17	–	S	S	S
10,000 to 49,999 lb	S	69	17	119	S	S	1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 291	S	S	S	–	–	–
SCTG 11, Natural sands	**193**	**19 363**	**823**	**S**	**S**	**16 328**	**256**	**8**	**1 711**	**144**
Less than 50 lb	S	S	S	40	S	S	S	–	–	–
50 to 99 lb	S	S	S	32	S	S	S	–	–	–
100 to 499 lb	S	3	S	281	S	2	–	S	S	S
500 to 749 lb	S	1	–	16	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	7	286	8	S	5	241	4	S	S	S
10,000 to 49,999 lb	86	9 649	324	32	69	8 752	157	3	S	S
50,000 to 99,999 lb	S	5 406	223	S	S	4 403	64	3	591	51
100,000 lb or more	S	4 018	267	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**568**	**82 583**	**2 978**	**34**	**511**	**75 517**	**1 847**	**28**	**4 260**	**421**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	14	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	14	S	S	S	–	–	–
750 to 999 lb	S	S	S	19	S	S	S	–	–	–
1,000 to 9,999 lb	12	779	19	26	11	742	15	S	S	S
10,000 to 49,999 lb	335	42 591	1 711	37	301	38 576	994	14	1 635	154
50,000 to 99,999 lb	168	28 878	797	28	155	27 667	631	7	932	87
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**849**	**12 289**	**8 831**	**427**	**125**	**S**	**S**	**13**	**617**	**53**
Less than 50 lb	S	S	S	213	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	5	–	S	S	4	–	S	S	S
500 to 749 lb	S	1	S	151	–	1	–	S	S	S
750 to 999 lb	S	1	S	250	S	S	S	S	S	S
1,000 to 9,999 lb	S	93	12	S	S	74	1	1	3	–
10,000 to 49,999 lb	272	3 076	1 896	560	27	645	16	4	S	S
50,000 to 99,999 lb	96	1 981	519	290	13	576	12	8	397	33
100,000 lb or more	419	7 131	6 403	1 359	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	**4 726**	**11 325**	**1 680**	**309**	**865**	**S**	**25**	**785**	**1 233**	**124**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	89	S	S	S	S	S	S
100 to 499 lb	S	S	–	501	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	175	3	S	635	1	1	S	–	–	–
10,000 to 49,999 lb	1 134	636	241	417	126	S	S	90	170	16
50,000 to 99,999 lb	489	509	153	291	64	78	3	S	S	S
100,000 lb or more	2 521	10 177	1 285	242	671	S	10	S	S	S
SCTG 15, Coal	**4 818**	**396 848**	**346 938**	**S**	**1 148**	**66 426**	**1 053**	**562**	**23 776**	**2 636**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	S	10	–	–	S	–	–	–
500 to 749 lb	S	S	S	12	S	S	S	–	–	–
750 to 999 lb	S	S	S	30	S	S	S	–	–	–
1,000 to 9,999 lb	S	37	2	42	S	32	1	S	S	S
10,000 to 49,999 lb	S	376	30	93	6	288	6	S	10	2
50,000 to 99,999 lb	223	13 325	1 119	84	145	7 114	276	S	S	S
100,000 lb or more	4 558	383 108	345 787	493	994	58 991	770	513	19 884	2 261
SCTG 17, Gasoline and aviation turbine fuel	**9 119**	**31 136**	**5 393**	**136**	**5 762**	**19 272**	**375**	**1 033**	**3 424**	**354**
Less than 50 lb	S	S	S	11	S	S	S	S	S	S
50 to 99 lb	S	S	S	15	S	S	S	–	–	–
100 to 499 lb	8	8	–	19	8	8	–	–	–	–
500 to 749 lb	7	18	S	57	7	16	S	–	–	–
750 to 999 lb	11	21	S	47	11	20	S	S	S	S
1,000 to 9,999 lb	849	1 603	177	84	648	1 195	33	68	104	10
10,000 to 49,999 lb	2 281	7 526	1 647	224	1 152	3 744	86	298	1 013	108
50,000 to 99,999 lb	4 820	17 405	S	180	3 378	11 835	230	607	2 105	221
100,000 lb or more	1 142	4 553	552	137	558	2 451	25	S	S	S
SCTG 18, Fuel oils	**4 082**	**18 509**	**2 735**	**76**	**2 539**	**10 925**	**210**	**570**	**2 630**	**264**
Less than 50 lb	S	S	S	41	S	S	S	–	–	–
50 to 99 lb	1	1	–	44	–	–	–	S	S	S
100 to 499 lb	6	13	–	22	6	13	–	S	S	S
500 to 749 lb	12	38	2	55	9	30	S	S	S	S
750 to 999 lb	9	33	2	53	7	24	–	S	S	S
1,000 to 9,999 lb	645	1 781	114	51	457	1 374	33	93	232	23
10,000 to 49,999 lb	921	3 806	515	130	604	2 246	62	110	520	55
50,000 to 99,999 lb	1 873	8 879	964	111	1 052	4 844	84	330	1 672	167
100,000 lb or more	614	3 957	1 137	473	402	2 393	30	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**3 059**	**32 706**	**S**	**92**	**1 240**	**6 380**	**123**	**484**	**S**	**S**
Less than 50 lb	43	9	1	68	27	7	–	S	S	–
50 to 99 lb	S	9	S	101	S	7	–	S	S	S
100 to 499 lb	125	96	S	56	86	75	1	S	S	S
500 to 749 lb	S	41	1	24	S	S	1	S	2	–
750 to 999 lb	84	S	6	42	59	S	S	10	S	S
1,000 to 9,999 lb	312	597	35	38	239	518	11	18	22	2
10,000 to 49,999 lb	653	4 112	874	222	266	1 896	52	72	415	38
50,000 to 99,999 lb	779	6 858	1 370	210	309	2 581	50	76	599	67
100,000 lb or more	955	20 844	S	770	S	S	S	S	S	S
SCTG 20, Basic chemicals	**4 587**	**25 726**	**17 806**	**923**	**1 039**	**7 469**	**333**	**212**	**3 180**	**354**
Less than 50 lb	598	10	10	1 305	57	3	–	11	–	–
50 to 99 lb	28	9	–	S	20	8	–	S	S	S
100 to 499 lb	148	101	6	59	94	85	1	S	S	S
500 to 749 lb	83	74	3	36	69	66	1	S	3	–
750 to 999 lb	37	35	2	S	24	31	1	S	2	S
1,000 to 9,999 lb	622	427	77	138	242	301	6	31	39	4
10,000 to 49,999 lb	1 321	5 417	1 537	283	307	2 692	104	96	923	91
50,000 to 99,999 lb	225	5 280	1 009	184	30	1 904	121	48	1 639	S
100,000 lb or more	1 525	14 373	15 162	1 062	197	2 379	S	S	S	S
SCTG 21, Pharmaceutical products	**10 327**	**258**	**222**	**1 122**	**2 759**	**73**	**1**	**682**	**11**	**1**
Less than 50 lb	6 353	50	37	1 138	1 287	12	–	S	S	S
50 to 99 lb	839	14	7	504	S	S	–	30	1	–
100 to 499 lb	1 239	27	11	349	368	S	–	S	3	–
500 to 749 lb	69	5	S	682	S	S	S	S	S	S
750 to 999 lb	40	S	1	373	S	S	S	S	S	S
1,000 to 9,999 lb	1 092	72	19	256	S	S	S	S	2	S
10,000 to 49,999 lb	646	86	S	1 486	S	2	S	–	–	–
50,000 to 99,999 lb	S	S	S	8	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	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	**1 653**	**9 765**	**6 180**	**185**	**592**	**2 643**	**62**	**92**	**492**	**49**
Less than 50 lb	S	S	S	154	S	–	S	S	S	S
50 to 99 lb	S	1	S	S	1	1	–	S	S	S
100 to 499 lb	11	S	1	S	6	S	S	S	S	S
500 to 749 lb	5	6	–	59	3	4	–	S	S	S
750 to 999 lb	3	4	–	35	3	3	–	–	–	–
1,000 to 9,999 lb	154	547	25	57	136	506	11	5	14	1
10,000 to 49,999 lb	500	2 569	530	131	366	1 651	37	15	S	S
50,000 to 99,999 lb	411	2 682	1 277	504	69	410	12	42	221	23
100,000 lb or more	562	3 939	4 348	1 103	5	52	1	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**8 944**	**3 182**	**1 916**	**506**	**1 859**	**919**	**12**	**395**	**157**	**15**
Less than 50 lb	588	35	14	602	194	19	–	29	2	–
50 to 99 lb	279	35	S	279	146	21	–	19	2	–
100 to 499 lb	921	112	27	245	495	60	1	S	S	S
500 to 749 lb	238	42	14	332	93	25	–	10	2	–
750 to 999 lb	151	34	9	285	78	19	–	S	S	S
1,000 to 9,999 lb	1 822	378	163	435	499	162	3	S	43	S
10,000 to 49,999 lb	4 813	2 087	1 605	681	324	324	S	57	35	3
50,000 to 99,999 lb	S	S	36	S	S	S	1	13	47	5
100,000 lb or more	S	76	38	407	5	19	–	S	S	S
SCTG 24, Plastics and rubber	**6 555**	**1 756**	**726**	**383**	**2 783**	**694**	**12**	**374**	**124**	**13**
Less than 50 lb	1 339	61	19	440	637	37	1	98	5	–
50 to 99 lb	442	49	11	225	234	30	–	24	S	S
100 to 499 lb	1 265	193	35	176	769	128	2	68	12	1
500 to 749 lb	358	66	15	238	179	40	1	20	6	1
750 to 999 lb	334	71	19	271	146	33	1	9	2	–
1,000 to 9,999 lb	1 707	673	211	299	666	326	6	81	37	4
10,000 to 49,999 lb	1 035	592	388	611	140	98	2	73	S	S
50,000 to 99,999 lb	11	S	S	1 088	–	–	–	S	S	S
100,000 lb or more	S	S	S	435	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**716**	**15 600**	**1 178**	**S**	**350**	**9 962**	**S**	**176**	**3 574**	**339**
Less than 50 lb	S	S	S	317	S	S	S	–	–	–
50 to 99 lb	S	S	S	78	S	S	S	–	–	–
100 to 499 lb	S	–	S	37	S	–	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	–	S	24	–	–	S	S	S	S
1,000 to 9,999 lb	14	29	3	S	S	S	S	S	S	S
10,000 to 49,999 lb	70	615	70	S	16	S	S	8	S	S
50,000 to 99,999 lb	613	14 811	1 030	S	319	9 619	S	167	3 400	321
100,000 lb or more	16	143	75	523	S	S	S	–	–	–
SCTG 26, Wood products	**8 066**	**14 027**	**9 032**	**280**	**3 286**	**4 985**	**96**	**550**	**1 045**	**103**
Less than 50 lb	132	12	5	405	54	6	–	7	1	–
50 to 99 lb	85	12	2	149	58	9	–	S	1	–
100 to 499 lb	393	109	S	238	185	62	1	40	12	1
500 to 749 lb	245	74	S	298	151	47	1	23	7	1
750 to 999 lb	114	50	3	71	78	37	1	16	7	1
1,000 to 9,999 lb	1 693	1 413	147	106	1 187	1 005	16	154	124	12
10,000 to 49,999 lb	3 161	5 677	2 295	311	1 305	2 525	51	249	524	51
50,000 to 99,999 lb	843	3 043	1 069	340	242	1 076	24	55	349	36
100,000 lb or more	1 400	3 637	5 458	1 530	26	S	3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 987**	**1 887**	**1 141**	**172**	**794**	**447**	**7**	**95**	**47**	**4**
Less than 50 lb	67	10	1	208	46	7	–	3	–	–
50 to 99 lb	64	15	2	136	39	9	–	5	1	–
100 to 499 lb	272	84	11	132	180	56	1	12	3	–
500 to 749 lb	99	43	4	104	72	33	1	S	3	S
750 to 999 lb	84	33	3	88	56	26	–	S	1	S
1,000 to 9,999 lb	541	318	58	151	272	194	3	38	25	2
10,000 to 49,999 lb	630	808	459	509	120	112	2	S	S	S
50,000 to 99,999 lb	39	68	54	742	S	S	S	–	–	–
100,000 lb or more	191	508	548	1 166	–	–	–	–	–	–
SCTG 28, Paper or paperboard articles	**3 431**	**2 256**	**850**	**579**	**1 414**	**991**	**19**	**165**	**153**	**14**
Less than 50 lb	199	20	11	820	80	10	–	7	1	–
50 to 99 lb	100	25	5	224	70	16	–	8	3	–
100 to 499 lb	348	116	17	160	213	80	1	25	7	1
500 to 749 lb	124	55	9	170	81	40	1	S	S	S
750 to 999 lb	110	49	7	133	70	35	–	4	3	–
1,000 to 9,999 lb	884	580	128	173	516	372	6	48	38	3
10,000 to 49,999 lb	1 512	1 199	494	374	354	404	10	64	92	8
50,000 to 99,999 lb	47	62	S	538	S	S	S	S	S	S
100,000 lb or more	S	S	S	985	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	**8 593**	**2 603**	**504**	**419**	**3 950**	**1 920**	**36**	**285**	**146**	**13**
Less than 50 lb	3 159	281	111	427	819	180	4	82	11	1
50 to 99 lb	572	96	21	228	286	73	1	16	2	–
100 to 499 lb	1 218	190	42	218	548	129	S	63	10	1
500 to 749 lb	424	86	16	189	S	S	S	S	S	S
750 to 999 lb	218	61	13	211	144	42	S	S	S	S
1,000 to 9,999 lb	1 811	886	149	217	972	609	13	85	72	7
10,000 to 49,999 lb	1 096	937	151	S	815	752	11	S	S	S
50,000 to 99,999 lb	S	S	S	4	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**7 398**	**714**	**327**	**1 287**	**1 314**	**303**	**5**	**346**	**79**	**5**
Less than 50 lb	3 038	70	74	1 323	283	12	–	48	2	–
50 to 99 lb	329	16	9	564	94	7	–	16	1	–
100 to 499 lb	772	67	30	492	196	33	1	24	3	–
500 to 749 lb	293	29	15	526	67	13	–	S	S	–
750 to 999 lb	399	30	15	517	70	10	–	4	2	–
1,000 to 9,999 lb	1 589	165	80	507	199	43	1	105	22	2
10,000 to 49,999 lb	969	318	99	393	401	173	3	141	S	S
50,000 to 99,999 lb	S	S	S	663	S	S	S	S	S	S
100,000 lb or more	S	S	S	99	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**5 634**	**67 485**	**6 648**	**283**	**3 484**	**53 568**	**904**	**556**	**4 957**	**492**
Less than 50 lb	225	14	5	755	79	S	–	10	1	–
50 to 99 lb	76	9	2	205	29	6	–	8	1	–
100 to 499 lb	284	95	S	193	141	51	1	19	S	1
500 to 749 lb	124	49	6	127	51	34	1	11	5	–
750 to 999 lb	57	29	3	100	35	22	–	S	S	S
1,000 to 9,999 lb	1 021	2 785	250	98	716	2 429	43	96	135	12
10,000 to 49,999 lb	2 728	48 442	2 785	55	2 004	43 432	671	168	1 635	150
50,000 to 99,999 lb	713	10 078	1 013	104	304	4 966	147	242	3 131	325
100,000 lb or more	404	5 983	2 567	378	124	2 620	41	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11 274**	**8 336**	**5 064**	**253**	**3 456**	**2 900**	**56**	**333**	**416**	**38**
Less than 50 lb	212	12	3	349	86	9	–	8	1	–
50 to 99 lb	92	14	2	113	53	11	–	S	1	–
100 to 499 lb	468	99	15	138	229	75	1	30	6	1
500 to 749 lb	147	54	9	160	90	38	1	3	3	–
750 to 999 lb	103	52	7	132	58	40	1	8	4	–
1,000 to 9,999 lb	1 601	887	154	170	1 076	611	10	67	58	6
10,000 to 49,999 lb	4 248	3 827	1 598	360	921	1 317	30	153	291	25
50,000 to 99,999 lb	379	549	178	336	141	232	5	S	S	S
100,000 lb or more	4 024	2 842	3 099	1 148	S	568	8	S	S	S
SCTG 33, Articles of base metal	**8 467**	**3 763**	**1 514**	**291**	**3 658**	**1 730**	**30**	**490**	**275**	**24**
Less than 50 lb	1 060	48	12	328	459	31	–	43	3	–
50 to 99 lb	452	42	11	285	208	29	–	12	1	–
100 to 499 lb	1 316	234	42	156	707	172	2	77	12	1
500 to 749 lb	331	81	21	258	154	49	1	20	8	1
750 to 999 lb	201	66	16	243	79	41	1	10	5	1
1,000 to 9,999 lb	2 199	990	276	264	1 156	592	10	107	78	7
10,000 to 49,999 lb	2 187	1 594	717	412	791	650	13	220	165	14
50,000 to 99,999 lb	428	185	94	462	59	S	1	S	S	S
100,000 lb or more	291	524	S	552	S	S	S	–	–	–
SCTG 34, Machinery	**13 290**	**1 350**	**768**	**252**	**4 524**	**455**	**9**	**721**	**75**	**S**
Less than 50 lb	2 561	48	14	232	1 122	27	–	130	4	–
50 to 99 lb	651	27	7	270	297	14	–	68	3	–
100 to 499 lb	2 141	157	48	282	890	91	1	117	9	1
500 to 749 lb	632	53	28	517	250	24	–	45	3	–
750 to 999 lb	476	45	20	432	207	25	1	S	2	S
1,000 to 9,999 lb	3 181	356	179	556	977	138	2	103	15	1
10,000 to 49,999 lb	3 059	495	296	611	646	118	3	S	S	S
50,000 to 99,999 lb	451	111	S	750	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 648	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**57 655**	**1 256**	**800**	**930**	**6 668**	**430**	**7**	**1 376**	**101**	**8**
Less than 50 lb	24 374	173	144	968	2 681	62	1	663	6	1
50 to 99 lb	6 887	89	65	700	840	37	1	113	4	–
100 to 499 lb	12 654	273	163	557	1 491	123	2	352	18	2
500 to 749 lb	2 832	75	54	704	517	33	1	45	5	–
750 to 999 lb	1 729	52	27	518	165	25	–	S	S	–
1,000 to 9,999 lb	7 323	383	205	607	911	127	2	122	21	2
10,000 to 49,999 lb	1 855	206	142	581	62	19	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	15	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)	**12 467**	**1 431**	**1 136**	**278**	**2 260**	**338**	**8**	**638**	**96**	**10**
Less than 50 lb	1 414	65	19	262	643	41	1	116	4	–
50 to 99 lb	454	34	13	388	117	15	–	53	5	–
100 to 499 lb	1 261	108	31	275	354	39	1	131	13	1
500 to 749 lb	462	57	15	260	122	18	S	49	S	S
750 to 999 lb	S	29	9	300	81	8	–	43	8	1
1,000 to 9,999 lb	2 399	270	196	600	332	54	1	119	19	2
10,000 to 49,999 lb	5 630	822	843	914	566	149	4	99	16	2
50,000 to 99,999 lb	62	25	S	396	S	14	S	–	–	–
100,000 lb or more	S	S	S	89	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**6 770**	**S**	**151**	**548**	**1 297**	**S**	**S**	**80**	**S**	**S**
Less than 50 lb	1 459	6	4	498	S	S	S	S	–	–
50 to 99 lb	646	S	4	896	S	S	S	S	S	S
100 to 499 lb	1 288	8	7	857	S	1	–	S	S	S
500 to 749 lb	S	2	S	993	S	S	S	S	S	S
750 to 999 lb	34	S	S	1 831	S	S	S	–	–	–
1,000 to 9,999 lb	S	29	28	966	49	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	353	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	154	S	S	S	–	–	–
100,000 lb or more	1 497	S	S	796	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**6 848**	**92**	**88**	**937**	**1 094**	**16**	**–**	**81**	**1**	**–**
Less than 50 lb	3 337	13	12	954	407	3	–	58	–	–
50 to 99 lb	745	7	6	829	190	2	–	S	–	S
100 to 499 lb	1 425	18	14	715	272	5	–	S	S	–
500 to 749 lb	258	5	3	650	S	S	S	S	S	S
750 to 999 lb	99	S	2	371	S	S	S	–	–	–
1,000 to 9,999 lb	785	24	25	1 052	123	2	–	–	–	–
10,000 to 49,999 lb	200	20	26	1 284	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	**5 159**	**823**	**384**	**482**	**3 109**	**457**	**8**	**223**	**29**	**3**
Less than 50 lb	289	14	10	799	105	6	–	7	–	–
50 to 99 lb	220	18	5	261	132	11	–	S	S	S
100 to 499 lb	1 569	171	24	154	S	S	S	S	9	1
500 to 749 lb	513	S	9	S	S	S	S	S	S	S
750 to 999 lb	289	40	11	265	217	S	S	S	S	S
1,000 to 9,999 lb	1 538	298	135	372	805	164	3	50	9	1
10,000 to 49,999 lb	721	209	180	761	194	54	–	19	3	–
50,000 to 99,999 lb	S	S	S	2 812	–	–	–	–	–	–
100,000 lb or more	S	S	S	1 805	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**21 104**	**3 416**	**1 324**	**888**	**3 742**	**1 130**	**25**	**973**	**S**	**S**
Less than 50 lb	4 926	96	78	918	783	26	–	131	3	–
50 to 99 lb	1 152	62	S	860	243	16	–	47	3	–
100 to 499 lb	4 427	190	128	730	769	72	1	57	7	1
500 to 749 lb	1 374	58	37	637	170	25	1	13	3	–
750 to 999 lb	751	34	18	515	97	15	–	6	1	–
1,000 to 9,999 lb	3 333	432	219	464	692	141	3	160	52	5
10,000 to 49,999 lb	3 284	1 252	524	460	558	346	8	S	S	S
50,000 to 99,999 lb	S	S	S	240	S	S	S	S	S	S
100,000 lb or more	61	S	S	228	S	S	S	–	–	–
SCTG 41, Waste and scrap	**880**	**7 575**	**2 840**	**272**	**147**	**S**	**10**	**44**	**S**	**S**
Less than 50 lb	S	S	S	378	S	S	S	–	–	–
50 to 99 lb	S	S	S	18	S	S	S	–	–	–
100 to 499 lb	1	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	137	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	26	67	7	93	S	46	S	S	S	S
10,000 to 49,999 lb	543	1 721	708	352	57	256	6	S	197	S
50,000 to 99,999 lb	73	S	355	198	S	S	S	S	S	S
100,000 lb or more	233	S	S	420	S	S	S	S	S	S
SCTG 43, Mixed freight	**6 916**	**3 365**	**475**	**233**	**3 672**	**1 850**	**36**	**795**	**426**	**42**
Less than 50 lb	210	17	S	405	147	13	–	S	1	–
50 to 99 lb	93	23	1	S	71	17	–	11	2	–
100 to 499 lb	553	183	13	62	392	138	2	62	16	1
500 to 749 lb	293	125	10	S	208	92	1	17	6	1
750 to 999 lb	173	81	8	96	117	59	1	11	S	S
1,000 to 9,999 lb	3 154	1 411	216	146	1 607	755	16	279	120	13
10,000 to 49,999 lb	2 322	1 438	209	132	1 085	739	14	367	257	24
50,000 to 99,999 lb	108	82	10	135	S	S	S	34	20	3
100,000 lb or more	S	S	S	872	–	–	–	–	–	–

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	**1 123**	**1 754**	**S**	**507**	**385**	**S**	**S**	**34**	**15**	**2**
Less than 50 lb	193	3	2	663	18	1	–	4	–	–
50 to 99 lb	82	3	S	420	13	1	–	S	S	S
100 to 499 lb	135	13	4	280	58	8	–	3	1	–
500 to 749 lb	S	9	2	S	S	6	S	S	S	S
750 to 999 lb	S	S	S	354	S	S	S	–	–	–
1,000 to 9,999 lb	353	82	21	288	148	39	1	14	8	1
10,000 to 49,999 lb	171	S	S	S	77	S	S	S	S	S
50,000 to 99,999 lb	S	S	20	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 447	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	**25 147**	**66 275**	**14 659**	**35 050**	**52 762**	**27 228**	**30 150**	**109 510**	**102 356**	**24 400**	**119 382**	**146 075**
Less than 50 lb	3 178	78	17	6 301	81	38	5 458	68	55	6 384	73	82
50 to 99 lb	680	58	12	2 323	44	20	1 382	30	24	1 343	27	31
100 to 499 lb	2 319	411	84	6 089	207	90	4 714	103	81	3 003	78	89
500 to 749 lb	660	191	38	1 590	82	36	622	42	32	619	25	28
750 to 999 lb	518	177	35	1 080	84	36	799	34	25	453	22	24
1,000 to 9,999 lb	4 688	2 554	500	6 272	1 509	674	3 808	790	601	3 256	516	565
10,000 to 49,999 lb	7 588	15 656	3 168	8 050	9 933	4 592	8 413	6 464	5 017	6 740	4 241	4 696
50,000 to 99,999 lb	3 369	19 507	3 933	1 404	5 585	2 536	926	1 708	1 356	175	700	830
100,000 lb or more	2 148	27 644	6 872	1 940	35 238	19 205	4 028	100 270	95 163	2 427	113 699	139 730
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**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	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**371**	**3 393**	**685**	**391**	**3 031**	**1 783**	**400**	**2 727**	**2 554**	**81**	**543**	**664**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
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	S	S	S	S	S	S
10,000 to 49,999 lb	23	179	36	S	S	S	8	30	21	S	S	S
50,000 to 99,999 lb	275	2 609	521	123	S	S	2	22	15	4	29	30
100,000 lb or more	S	S	S	227	1 793	1 216	389	2 674	2 518	73	508	627
SCTG 03, Other agricultural products	**393**	**485**	**99**	**414**	**S**	**S**	**305**	**660**	**513**	**333**	**S**	**S**
Less than 50 lb	S	S	S	2	–	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	5	2	1	5	1	–	S	–	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	12	12	2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	121	85	17	45	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	160	318	66	338	S	S	230	530	414	303	529	566
50,000 to 99,999 lb	S	S	S	15	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**453**	**957**	**207**	**351**	**883**	**408**	**287**	**618**	**513**	**176**	**324**	**387**
Less than 50 lb	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	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	2	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	97	111	S	6	7	3	S	S	S	8	S	S
10,000 to 49,999 lb	262	574	128	292	437	223	254	421	324	122	177	209
50,000 to 99,999 lb	S	S	S	20	S	S	7	33	26	S	S	S
100,000 lb or more	S	S	S	24	S	S	14	148	151	S	140	171
SCTG 05, Meat, fish, seafood, and their preparations	**408**	**209**	**47**	**1 041**	**416**	**189**	**1 604**	**478**	**377**	**765**	**297**	**324**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	3	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	39	13	3	S	S	S	1	–	–	S	S	S
500 to 749 lb	S	S	1	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	142	71	14	241	83	35	111	36	27	69	22	24
10,000 to 49,999 lb	192	115	S	745	306	142	1 471	427	337	695	276	300
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**578**	**379**	**74**	**502**	**381**	**173**	**326**	**348**	**270**	**217**	**261**	**298**
Less than 50 lb	6	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	5	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	59	18	4	9	5	2	S	S	S	S	S	1
500 to 749 lb	S	S	2	4	3	2	S	S	S	–	–	–
750 to 999 lb	22	9	2	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	243	145	30	224	121	55	86	30	23	8	3	4
10,000 to 49,999 lb	211	177	33	240	204	93	220	244	183	200	249	286
50,000 to 99,999 lb	S	S	S	5	24	9	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	12	68	57	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 07, Other prepared foodstuffs and fats and oils	**1 751**	**2 232**	**429**	**1 528**	**1 612**	**760**	**1 118**	**972**	**781**	**665**	**529**	**587**
Less than 50 lb	8	2	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	4	1	2	1	–	1	–	–	S	S	S
100 to 499 lb	94	48	9	16	8	3	6	1	1	2	S	S
500 to 749 lb	S	S	S	6	S	S	S	1	1	S	S	S
750 to 999 lb	53	S	9	4	2	1	2	1	1	S	S	S
1,000 to 9,999 lb	408	343	64	328	142	60	127	54	42	S	31	36
10,000 to 49,999 lb	1 025	1 544	296	1 051	1 235	557	762	552	428	515	334	355
50,000 to 99,999 lb	133	217	47	54	73	35	S	S	S	–	–	–
100,000 lb or more	S	S	S	49	144	100	189	355	302	84	161	193
SCTG 08, Alcoholic beverages	**391**	**300**	**63**	**310**	**449**	**229**	**478**	**1 071**	**1 077**	**505**	**1 502**	**1 964**
Less than 50 lb	7	1	–	–	–	–	S	S	S	–	–	–
50 to 99 lb	5	1	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	60	21	4	S	S	S	–	–	–	–	–	–
500 to 749 lb	8	4	1	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	4	1	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	147	64	12	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	96	114	26	160	224	114	205	323	256	192	308	345
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	69	S	S	S	S	S	283	1 117	1 523
SCTG 09, Tobacco products	**109**	**4**	**1**	**S**	**S**	**S**	**S**	**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	8	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	30	1	–	S	S	S	–	–	–	–	–	–
500 to 749 lb	18	1	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**4**	**3**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	1	4	2	S	3	2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**9**	**904**	**174**	**6**	**339**	**158**	**3**	**45**	**43**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	2	314	S	1	81	28	S	S	S	S	S	S
100,000 lb or more	S	74	21	5	251	127	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**18**	**S**	**S**	**S**	**501**	**222**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	4	183	40	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**87**	**1 331**	**328**	**66**	**750**	**338**	**161**	**1 701**	**1 477**	**96**	**1 285**	**1 527**
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	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	1	1
10,000 to 49,999 lb	27	359	83	S	488	212	S	S	S	S	345	357
50,000 to 99,999 lb	43	482	77	13	216	102	13	S	S	1	18	20
100,000 lb or more	11	483	166	2	44	23	87	960	949	53	922	1 149

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	**1 047**	**1 241**	**287**	**750**	**393**	**155**	**S**	**S**	**S**	**243**	**88**	**128**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	–	165	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	138	136	28	123	77	28	S	S	S	214	31	32
50,000 to 99,999 lb	S	377	88	S	S	S	S	S	S	–	–	–
100,000 lb or more	523	726	170	205	288	115	S	S	S	29	57	96
SCTG 15, Coal	**355**	**22 854**	**5 615**	**304**	**23 347**	**12 277**	**727**	**81 999**	**76 950**	**959**	**105 603**	**129 320**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	1	53	12	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	27	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	326	20 578	5 193	301	23 212	12 208	701	81 997	76 949	959	105 603	129 320
SCTG 17, Gasoline and aviation turbine fuel	**1 517**	**4 902**	**983**	**244**	**830**	**328**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	17	71	74
10,000 to 49,999 lb	540	1 589	284	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	421	1 508	296	75	319	133	S	S	S	–	–	–
100,000 lb or more	S	S	S	36	147	59	S	S	S	–	–	–
SCTG 18, Fuel oils	**675**	**3 194**	**615**	**168**	**823**	**477**	**22**	**229**	**198**	**S**	**384**	**S**
Less than 50 lb	–	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	140	23	S	S	S	S	S	S	4	20	20
10,000 to 49,999 lb	164	832	153	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	417	1 997	396	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	118	641	405	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**559**	**4 104**	**1 025**	**276**	**3 650**	**2 207**	**221**	**5 246**	**5 503**	**163**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	32	43	8	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	176	1 146	273	62	412	208	29	73	65	S	S	S
50,000 to 99,999 lb	266	2 464	632	92	1 057	434	S	S	S	S	S	S
100,000 lb or more	S	S	S	107	2 174	1 561	173	5 156	S	S	S	S
SCTG 20, Basic chemicals	**466**	**2 746**	**601**	**326**	**1 611**	**871**	**652**	**4 149**	**4 103**	**S**	**1 457**	**1 844**
Less than 50 lb	S	S	S	S	S	S	133	2	1	73	1	1
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	6	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	3	S	S	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	31	34	7	S	24	12	S	7	6	S	S	S
10,000 to 49,999 lb	173	761	175	82	335	147	133	193	172	S	104	117
50,000 to 99,999 lb	95	1 185	226	29	303	159	10	137	120	2	45	50
100,000 lb or more	109	753	190	83	942	551	321	3 810	3 804	126	1 299	1 668
SCTG 21, Pharmaceutical products	**975**	**23**	**5**	**1 745**	**30**	**12**	**576**	**S**	**S**	**543**	**16**	**18**
Less than 50 lb	691	6	2	904	7	3	352	3	2	370	3	3
50 to 99 lb	150	3	1	113	2	1	S	1	–	S	S	S
100 to 499 lb	79	3	1	S	3	1	S	1	1	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	17	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	12	5	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	–	–	–	–	–	–	–	–	–	–	–	–

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	**171**	**946**	**233**	**215**	**1 372**	**707**	**331**	**2 342**	**2 110**	**107**	**1 002**	**1 193**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	13	3	5	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	30	147	29	46	337	157	25	159	125	6	S	S
50,000 to 99,999 lb	95	590	124	111	671	336	63	510	399	11	128	141
100,000 lb or more	35	195	77	50	356	211	241	1 671	1 583	90	815	987
SCTG 23, Chemical products and preparations, n.e.c.	**S**	**S**	**S**	**670**	**243**	**105**	**681**	**459**	**340**	**754**	**171**	**197**
Less than 50 lb	64	4	1	52	3	1	80	2	2	42	S	S
50 to 99 lb	30	3	1	21	2	1	6	1	–	S	S	S
100 to 499 lb	115	15	3	47	5	3	31	5	3	25	S	S
500 to 749 lb	26	7	1	S	2	1	S	1	1	12	S	S
750 to 999 lb	10	2	–	S	1	–	8	1	1	S	S	S
1,000 to 9,999 lb	122	52	11	110	27	12	S	33	25	S	14	15
10,000 to 49,999 lb	S	S	S	387	178	77	331	S	285	464	128	153
50,000 to 99,999 lb	12	35	8	S	S	S	S	29	20	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**622**	**217**	**49**	**911**	**272**	**122**	**590**	**187**	**147**	**450**	**106**	**116**
Less than 50 lb	71	4	1	143	4	2	79	3	2	87	3	3
50 to 99 lb	S	S	S	38	2	1	27	1	1	S	1	2
100 to 499 lb	114	28	5	90	9	4	70	5	4	21	2	3
500 to 749 lb	27	7	1	33	5	2	14	2	2	S	2	2
750 to 999 lb	65	S	S	S	S	S	10	2	2	12	2	2
1,000 to 9,999 lb	171	76	17	346	119	52	151	53	41	165	29	32
10,000 to 49,999 lb	112	53	13	172	110	52	239	120	95	110	67	73
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 25, Logs and other wood in the rough	**153**	**1 873**	**298**	**19**	**138**	**72**	**8**	**S**	**S**	**7**	**13**	**14**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	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	S	S	S	10	20	9	3	5	4	3	5	5
50,000 to 99,999 lb	122	1 763	276	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**834**	**1 962**	**417**	**612**	**1 390**	**657**	**421**	**868**	**793**	**462**	**821**	**1 101**
Less than 50 lb	S	S	S	18	S	S	9	1	1	9	S	S
50 to 99 lb	6	1	–	S	S	S	6	S	–	S	S	S
100 to 499 lb	44	12	2	8	3	1	S	S	S	S	S	S
500 to 749 lb	10	5	1	5	S	S	S	S	S	S	S	S
750 to 999 lb	9	4	1	1	S	–	S	S	S	S	S	S
1,000 to 9,999 lb	184	188	35	67	44	19	27	22	17	S	S	S
10,000 to 49,999 lb	401	831	170	263	542	250	156	322	252	139	180	201
50,000 to 99,999 lb	140	736	161	165	413	185	44	155	116	23	65	77
100,000 lb or more	20	184	46	82	384	200	139	358	400	224	559	803
SCTG 27, Pulp, newsprint, paper, and paperboard	**213**	**249**	**61**	**494**	**537**	**283**	**138**	**143**	**116**	**144**	**316**	**419**
Less than 50 lb	8	2	–	S	1	1	1	–	–	1	S	S
50 to 99 lb	13	3	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	37	12	3	31	S	4	4	1	1	S	S	S
500 to 749 lb	7	3	1	7	2	1	S	S	S	S	S	S
750 to 999 lb	S	3	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	47	23	5	S	S	S	S	S	S	3	S	S
10,000 to 49,999 lb	73	125	25	265	297	143	60	111	87	37	74	81
50,000 to 99,999 lb	–	–	–	17	28	15	S	S	S	S	S	S
100,000 lb or more	S	S	S	59	144	98	S	S	S	86	211	S
SCTG 28, Paper or paperboard articles	**332**	**305**	**63**	**446**	**286**	**144**	**585**	**257**	**208**	**225**	**135**	**S**
Less than 50 lb	14	1	–	6	1	–	16	2	1	S	S	S
50 to 99 lb	10	2	–	3	1	–	1	–	–	2	S	S
100 to 499 lb	43	15	3	16	5	2	28	4	3	S	S	S
500 to 749 lb	S	2	–	13	5	2	7	3	3	S	S	S
750 to 999 lb	9	5	1	S	S	S	2	1	1	S	S	S
1,000 to 9,999 lb	66	46	9	77	45	22	106	49	40	S	S	S
10,000 to 49,999 lb	172	211	45	274	170	82	412	183	142	95	64	73
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

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	**300**	**108**	**22**	**604**	**135**	**63**	**999**	**114**	**93**	**742**	**64**	**74**
Less than 50 lb	84	8	2	218	13	6	392	12	10	533	19	20
50 to 99 lb	18	2	1	22	2	1	S	7	6	S	S	S
100 to 499 lb	42	12	3	105	14	7	S	11	8	S	3	3
500 to 749 lb	13	5	1	21	4	2	16	2	2	S	1	1
750 to 999 lb	6	S	S	20	S	S	19	5	3	S	S	S
1,000 to 9,999 lb	123	63	13	192	84	38	119	24	19	46	7	8
10,000 to 49,999 lb	S	S	S	26	12	6	91	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**756**	**97**	**23**	**1 095**	**66**	**30**	**664**	**39**	**32**	**592**	**29**	**31**
Less than 50 lb	133	4	1	478	10	5	276	7	6	306	7	7
50 to 99 lb	28	2	–	36	2	1	31	1	1	23	1	1
100 to 499 lb	83	9	2	79	6	3	77	4	3	80	3	3
500 to 749 lb	8	2	–	31	3	2	27	3	2	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	–
1,000 to 9,999 lb	354	39	10	283	19	9	167	11	9	132	12	12
10,000 to 49,999 lb	96	35	8	52	S	6	65	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**460**	**3 933**	**811**	**397**	**2 827**	**1 368**	**189**	**758**	**671**	**186**	**451**	**546**
Less than 50 lb	10	1	S	S	1	–	18	1	–	18	–	1
50 to 99 lb	S	S	–	S	1	–	6	S	S	S	S	S
100 to 499 lb	S	S	S	15	S	S	S	1	1	S	1	1
500 to 749 lb	13	4	S	S	S	S	S	1	1	S	S	S
750 to 999 lb	7	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48	86	15	23	31	13	16	15	12	54	S	S
10,000 to 49,999 lb	159	1 333	288	174	1 180	524	70	341	274	50	147	160
50,000 to 99,999 lb	123	1 636	328	33	259	117	S	S	S	S	S	S
100,000 lb or more	62	865	177	100	1 321	700	39	340	329	22	260	330
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 139**	**842**	**162**	**1 225**	**968**	**449**	**1 912**	**1 415**	**1 207**	**499**	**444**	**522**
Less than 50 lb	14	1	–	S	–	–	S	–	–	7	S	S
50 to 99 lb	6	1	–	7	1	–	2	S	S	S	–	–
100 to 499 lb	12	5	1	S	5	2	14	3	2	25	3	3
500 to 749 lb	S	4	1	18	5	2	S	S	S	S	1	1
750 to 999 lb	5	2	–	S	S	S	4	S	S	10	S	S
1,000 to 9,999 lb	68	84	17	99	48	22	79	30	23	79	27	30
10,000 to 49,999 lb	577	434	76	770	701	323	840	618	467	251	169	178
50,000 to 99,999 lb	87	96	24	20	62	30	40	90	70	–	–	–
100,000 lb or more	361	215	42	S	145	69	890	670	640	120	243	308
SCTG 33, Articles of base metal	**542**	**295**	**53**	**888**	**356**	**161**	**1 085**	**634**	**503**	**647**	**229**	**257**
Less than 50 lb	94	4	1	123	3	1	100	2	1	94	2	2
50 to 99 lb	25	3	1	25	2	1	25	1	1	S	S	S
100 to 499 lb	105	18	4	129	13	6	57	6	4	37	2	3
500 to 749 lb	27	8	2	24	4	2	35	4	3	17	2	2
750 to 999 lb	12	3	1	34	6	3	21	4	3	11	2	2
1,000 to 9,999 lb	169	71	16	206	100	45	178	54	41	123	31	37
10,000 to 49,999 lb	95	115	21	287	197	90	250	229	180	221	102	109
50,000 to 99,999 lb	S	S	S	S	17	7	S	54	43	S	S	S
100,000 lb or more	S	S	S	S	S	S	183	S	S	S	S	S
SCTG 34, Machinery	**1 596**	**202**	**41**	**1 334**	**132**	**59**	**1 155**	**120**	**96**	**1 536**	**140**	**152**
Less than 50 lb	357	6	1	188	3	1	108	2	1	103	1	2
50 to 99 lb	68	4	1	62	2	1	24	1	1	15	1	1
100 to 499 lb	244	18	4	143	12	6	219	9	7	143	6	7
500 to 749 lb	35	5	1	S	3	1	44	4	3	S	4	4
750 to 999 lb	39	4	1	S	3	1	35	3	3	67	3	3
1,000 to 9,999 lb	408	62	12	261	30	14	357	28	22	509	31	34
10,000 to 49,999 lb	399	100	20	499	58	26	210	43	34	619	69	75
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
SCTG 35, Electronic and other electrical equipment and components and office equipment	**1 071**	**76**	**16**	**8 089**	**197**	**92**	**8 032**	**98**	**74**	**8 591**	**107**	**123**
Less than 50 lb	584	8	2	2 772	15	7	2 592	14	12	3 379	13	16
50 to 99 lb	95	4	1	1 587	12	5	672	4	3	812	S	S
100 to 499 lb	185	18	4	2 424	25	11	3 002	13	10	1 989	20	25
500 to 749 lb	38	5	1	213	5	3	S	S	S	308	2	2
750 to 999 lb	S	3	1	S	S	S	S	S	4	227	1	1
1,000 to 9,999 lb	121	33	7	643	S	S	778	S	S	808	10	11
10,000 to 49,999 lb	S	S	S	142	S	S	118	21	16	1 070	56	62
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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)	**1 222**	**159**	**34**	**1 150**	**124**	**57**	**1 754**	**206**	**165**	**S**	**52**	**59**
Less than 50 lb	140	6	1	141	4	2	S	3	2	83	2	2
50 to 99 lb	52	4	1	61	3	S	65	3	2	34	1	1
100 to 499 lb	310	31	7	186	11	5	125	7	6	S	2	2
500 to 749 lb	111	16	3	82	9	4	S	S	S	S	S	S
750 to 999 lb	66	8	2	12	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	296	44	9	436	35	16	255	30	23	173	14	16
10,000 to 49,999 lb	246	48	9	224	54	25	1 188	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	8	5	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**77**	**S**	**S**	**637**	**17**	**8**	**834**	**S**	**S**	**280**	**4**	**4**
Less than 50 lb	S	S	S	169	S	S	142	–	–	120	–	–
50 to 99 lb	S	S	S	74	S	S	122	–	–	23	–	–
100 to 499 lb	S	S	S	82	S	S	252	2	2	30	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	101	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	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**263**	**5**	**1**	**853**	**10**	**5**	**879**	**21**	**16**	**834**	**14**	**15**
Less than 50 lb	203	1	–	389	1	1	263	2	1	446	2	2
50 to 99 lb	9	–	–	116	–	–	32	–	–	S	S	S
100 to 499 lb	19	S	S	172	3	1	S	2	1	S	2	3
500 to 749 lb	S	S	S	55	2	1	51	1	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	20	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	115	4	2	179	S	S	95	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	**308**	**63**	**14**	**281**	**54**	**26**	**280**	**54**	**43**	**209**	**35**	**38**
Less than 50 lb	9	1	–	17	1	–	S	S	S	S	S	S
50 to 99 lb	16	1	–	S	S	S	2	–	–	7	–	–
100 to 499 lb	S	10	2	45	5	2	S	2	2	29	3	4
500 to 749 lb	7	1	–	10	2	1	5	1	1	9	1	2
750 to 999 lb	7	1	–	7	1	1	8	1	1	S	S	S
1,000 to 9,999 lb	57	12	2	128	27	14	126	25	19	72	14	15
10,000 to 49,999 lb	110	36	8	56	16	7	86	24	19	40	10	10
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**2 048**	**S**	**132**	**5 669**	**569**	**265**	**1 850**	**278**	**224**	**1 835**	**142**	**155**
Less than 50 lb	523	8	2	498	8	4	666	10	8	551	11	12
50 to 99 lb	58	3	1	90	3	1	169	7	6	134	S	S
100 to 499 lb	246	14	3	S	15	7	218	17	14	238	15	16
500 to 749 lb	S	6	1	S	3	1	44	5	4	29	2	2
750 to 999 lb	12	3	1	S	4	2	33	2	1	S	3	3
1,000 to 9,999 lb	206	47	10	1 006	67	31	264	32	26	373	30	33
10,000 to 49,999 lb	370	245	50	765	255	116	266	124	98	461	71	77
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 41, Waste and scrap	**S**	**1 389**	**283**	**122**	**S**	**S**	**82**	**491**	**463**	**S**	**179**	**219**
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	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	43	369	184	65	145	112	S	S	S
50,000 to 99,999 lb	S	S	S	10	98	52	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	13	S	S	S	S	S
SCTG 43, Mixed freight	**1 463**	**679**	**142**	**572**	**244**	**98**	**322**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	6	2	–	S	S	S	–	–	–	S	S	S
100 to 499 lb	75	23	6	S	5	2	S	S	S	S	S	S
500 to 749 lb	42	21	5	S	5	2	S	S	S	S	S	S
750 to 999 lb	24	10	S	18	6	2	S	S	S	S	S	S
1,000 to 9,999 lb	744	309	66	303	122	51	S	S	S	S	S	S
10,000 to 49,999 lb	530	298	59	188	92	36	S	S	S	S	S	S
50,000 to 99,999 lb	23	15	3	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	**50**	**S**	**S**	**241**	**S**	**22**	**95**	**19**	**S**	**52**	**S**	**S**
Less than 50 lb	13	–	–	25	–	–	S	S	S	S	–	–
50 to 99 lb	S	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	1	–	S	S	S	S	S	S	4	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	8	1	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	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 (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**33 999**	**92 223**	**150 067**	**23 235**	**10 880**	**23 840**	**14 611**	**1 697**	**4 551**
Less than 50 lb	8 618	94	141	7 557	85	168	6 387	35	88
50 to 99 lb	1 844	44	64	1 240	25	51	1 581	14	37
100 to 499 lb	3 279	102	148	2 482	69	136	1 517	41	103
500 to 749 lb	1 025	34	52	647	35	68	S	21	52
750 to 999 lb	399	25	38	432	17	35	S	7	19
1,000 to 9,999 lb	5 111	472	716	3 137	317	640	962	106	276
10,000 to 49,999 lb	9 348	5 459	8 104	4 562	2 556	5 134	1 216	592	1 582
50,000 to 99,999 lb	677	S	S	178	347	746	60	63	168
100,000 lb or more	3 698	83 691	137 594	3 001	7 428	16 861	S	817	2 227
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**72**	**390**	**613**	**S**	**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	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	S	11	15	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	378	596	S	S	S	–	–	–
SCTG 03, Other agricultural products	**412**	**772**	**1 248**	**411**	**S**	**S**	**87**	**132**	**349**
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	10	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	69	109	S	S	S	S	S	S
10,000 to 49,999 lb	323	617	980	S	S	S	49	66	173
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 04, Animal feed and products of animal origin, n.e.c.	**150**	**192**	**292**	**S**	**S**	**S**	**S**	**70**	**194**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	90	100	150	S	S	S	S	61	168
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	89	138	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**891**	**349**	**499**	**410**	**138**	**266**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	79	21	31	54	14	26	S	S	S
10,000 to 49,999 lb	788	294	425	332	116	226	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**299**	**171**	**236**	**163**	**68**	**139**	**15**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	19	5	7	–	–	–	S	S	S
10,000 to 49,999 lb	278	166	228	160	66	134	S	S	S
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 07, Other prepared foodstuffs and fats and oils	**1 054**	**932**	**1 480**	**771**	**681**	**1 466**	**133**	**111**	**287**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	S	S	S	–	–	S	–	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	–	–	S	S	S	S	S	S
750 to 999 lb	S	S	S	2	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	31	10	20	S	S	S
10,000 to 49,999 lb	699	513	787	481	312	649	68	66	165
50,000 to 99,999 lb	S	S	S	57	115	266	S	S	S
100,000 lb or more	234	374	621	174	241	524	S	S	S
SCTG 08, Alcoholic beverages	**400**	**1 402**	**2 521**	**297**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	108	232	S	57	114	214	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	1 029	1 942	236	S	S	–	–	–
SCTG 09, Tobacco products	**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	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**1**	**4**	**6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 11, Natural sands	**S**	**4**	**6**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	3	4	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**216**	**2 171**	**3 446**	**79**	**707**	**1 504**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	1	1	S	1	2	S	S	S
10,000 to 49,999 lb	S	S	S	10	76	165	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	157	1 641	2 711	68	626	1 328	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	**185**	**S**	**S**	**347**	**50**	**103**	**246**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	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	S	S	S	329	46	95	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 15, Coal	**727**	**70 530**	**113 472**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	727	70 530	113 472	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**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	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**311**	**484**	**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	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23	203	340	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**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	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	14	34	48	9	16	32	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 20, Basic chemicals	**881**	**3 014**	**4 946**	**401**	**1 930**	**4 293**	**104**	**S**	**S**
Less than 50 lb	72	S	S	128	S	S	S	1	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	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	S	S	S
10,000 to 49,999 lb	S	220	335	83	151	299	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	502	2 753	4 543	179	1 746	3 922	S	S	S
SCTG 21, Pharmaceutical products	**1 464**	**50**	**80**	**1 258**	**41**	**87**	**325**	**4**	**9**
Less than 50 lb	1 032	6	9	1 005	6	12	250	S	S
50 to 99 lb	S	S	S	S	S	S	7	S	S
100 to 499 lb	47	2	S	37	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	109	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	8	54	77	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**2 476**	**403**	**616**	**855**	**231**	**458**	**120**	**S**	**S**
Less than 50 lb	62	3	4	50	1	3	14	–	1
50 to 99 lb	S	S	S	S	S	S	1	S	S
100 to 499 lb	30	S	S	S	2	5	S	1	3
500 to 749 lb	21	1	2	42	2	5	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	158	15	22	S	28	58	S	5	14
10,000 to 49,999 lb	2 173	375	576	S	195	384	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**473**	**95**	**142**	**236**	**55**	**107**	**117**	**7**	**17**
Less than 50 lb	130	3	5	72	2	4	23	–	1
50 to 99 lb	24	1	2	14	1	2	17	S	S
100 to 499 lb	61	5	7	27	2	5	46	2	5
500 to 749 lb	S	1	2	8	S	S	S	1	1
750 to 999 lb	9	2	2	9	1	2	5	–	1
1,000 to 9,999 lb	74	18	27	45	14	27	9	2	4
10,000 to 49,999 lb	127	56	82	59	32	62	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**2**	**2**	**4**	**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	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**973**	**1 733**	**2 923**	**619**	**840**	**1 880**	**309**	**383**	**1 061**
Less than 50 lb	S	S	S	6	S	S	S	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	18	S	S	S	S	S	1	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	34	13	20	S	7	13	S	S	S
10,000 to 49,999 lb	333	517	796	223	178	372	92	58	152
50,000 to 99,999 lb	96	137	217	54	83	176	S	29	76
100,000 lb or more	458	1 059	1 880	266	561	1 298	184	293	827
SCTG 27, Pulp, newsprint, paper, and paperboard	**58**	**100**	**142**	**46**	**45**	**100**	**S**	**S**	**S**
Less than 50 lb	–	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	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	29	64	91	S	10	22	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	13	S	S	–	–	–
SCTG 28, Paper or paperboard articles	**187**	**95**	**151**	**67**	**26**	**53**	**S**	**S**	**S**
Less than 50 lb	S	2	3	10	1	3	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	11	2	3	S	S	S	S	S	S
500 to 749 lb	S	1	1	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	22	11	19	S	S	S	S	S	S
10,000 to 49,999 lb	96	51	82	S	18	37	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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 .	**838**	**61**	**87**	**657**	**36**	**69**	**218**	**19**	**49**
Less than 50 lb	497	20	30	405	16	31	129	3	7
50 to 99 lb	S	S	S	26	1	2	S	S	S
100 to 499 lb	S	S	S	24	1	2	S	1	2
500 to 749 lb	S	S	S	7	S	S	S	S	S
750 to 999 lb	S	S	S	S	1	2	S	S	S
1,000 to 9,999 lb	75	7	10	S	S	S	42	7	18
10,000 to 49,999 lb	S	S	S	S	4	7	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**823**	**30**	**44**	**1 090**	**44**	**90**	**719**	**S**	**S**
Less than 50 lb	491	11	16	596	13	27	S	5	13
50 to 99 lb	36	1	2	51	2	3	14	–	1
100 to 499 lb	78	3	5	114	4	9	43	2	4
500 to 749 lb	65	2	4	S	S	S	S	S	S
750 to 999 lb	S	S	S	54	2	4	S	S	S
1,000 to 9,999 lb	S	6	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	66	10	21	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**152**	**676**	**1 153**	**160**	**248**	**526**	**51**	**66**	**177**
Less than 50 lb	19	1	1	39	S	S	4	S	S
50 to 99 lb	S	S	S	S	S	–	S	S	S
100 to 499 lb	21	1	2	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	35	14	22	29	S	S	4	S	S
10,000 to 49,999 lb	33	S	S	49	85	184	S	51	139
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 512**	**812**	**1 339**	**508**	**227**	**481**	**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	19	1	2	12	1	2	S	S	S
500 to 749 lb	5	S	S	6	–	1	S	S	S
750 to 999 lb	S	S	S	3	–	1	S	S	S
1,000 to 9,999 lb	74	17	23	41	8	16	18	S	S
10,000 to 49,999 lb	527	220	343	168	60	116	S	17	40
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	807	551	929	263	157	345	S	S	S
SCTG 33, Articles of base metal	**571**	**111**	**164**	**415**	**63**	**130**	**171**	**S**	**S**
Less than 50 lb	75	2	3	47	1	2	S	–	1
50 to 99 lb	69	2	3	S	S	S	1	–	–
100 to 499 lb	72	6	9	S	4	8	23	2	5
500 to 749 lb	32	3	5	15	2	4	S	1	2
750 to 999 lb	24	3	4	S	S	S	2	–	1
1,000 to 9,999 lb	139	32	51	65	24	50	S	7	18
10,000 to 49,999 lb	124	47	67	143	30	62	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 34, Machinery	**1 130**	**115**	**162**	**885**	**88**	**175**	**411**	**22**	**65**
Less than 50 lb	232	2	3	128	1	3	S	1	2
50 to 99 lb	59	1	2	S	1	1	17	–	1
100 to 499 lb	230	5	9	132	5	10	22	2	5
500 to 749 lb	72	5	7	69	S	S	S	S	S
750 to 999 lb	22	2	2	S	S	S	S	S	S
1,000 to 9,999 lb	281	29	43	221	16	32	65	6	17
10,000 to 49,999 lb	213	41	59	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9 050**	**91**	**136**	**6 615**	**85**	**171**	**8 162**	**70**	**174**
Less than 50 lb	3 856	20	30	3 196	18	36	4 650	S	S
50 to 99 lb	861	8	12	624	8	16	S	S	S
100 to 499 lb	1 295	22	32	1 108	12	23	808	23	56
500 to 749 lb	S	S	S	137	3	6	S	S	S
750 to 999 lb	S	S	S	207	4	8	S	S	S
1,000 to 9,999 lb	S	22	33	S	28	58	S	7	19
10,000 to 49,999 lb	117	11	15	S	13	25	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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)	**2 974**	**S**	**S**	**1 066**	**111**	**218**	**S**	**12**	**29**
Less than 50 lb	47	2	2	90	2	5	49	1	3
50 to 99 lb	22	1	1	22	S	S	S	S	S
100 to 499 lb	54	2	4	59	2	4	S	–	1
500 to 749 lb	13	1	1	S	S	S	S	S	S
750 to 999 lb	20	2	3	S	S	S	S	S	S
1,000 to 9,999 lb	609	S	S	162	11	23	S	S	S
10,000 to 49,999 lb	2 209	S	S	705	91	178	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**1 199**	**S**	**S**	**2 081**	**18**	**43**	**286**	**3**	**7**
Less than 50 lb	208	1	1	S	–	1	129	–	1
50 to 99 lb	77	–	1	74	–	–	S	S	S
100 to 499 lb	S	1	2	S	–	1	S	–	1
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	S	2	4	114	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	1 476	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**1 522**	**10**	**15**	**964**	**10**	**20**	**358**	**S**	**S**
Less than 50 lb	889	2	3	522	2	3	161	–	1
50 to 99 lb	127	–	1	90	–	1	S	–	1
100 to 499 lb	S	2	3	211	2	3	S	S	S
500 to 749 lb	S	–	–	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	146	3	5	89	1	3	S	S	S
10,000 to 49,999 lb	S	S	S	S	4	8	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	**321**	**55**	**82**	**277**	**51**	**106**	**151**	**26**	**65**
Less than 50 lb	S	S	S	42	2	4	S	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	14	1	2	30	3	6	12	S	3
500 to 749 lb	8	1	2	S	1	2	S	S	S
750 to 999 lb	S	1	2	3	–	1	S	S	S
1,000 to 9,999 lb	163	26	36	96	16	33	S	4	11
10,000 to 49,999 lb	66	21	31	84	29	60	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**1 987**	**153**	**228**	**2 052**	**100**	**197**	**949**	**24**	**64**
Less than 50 lb	808	14	21	756	12	24	211	3	6
50 to 99 lb	199	S	S	170	8	15	S	1	2
100 to 499 lb	349	29	41	421	19	37	220	3	8
500 to 749 lb	42	3	5	S	S	S	S	2	4
750 to 999 lb	31	3	4	45	2	5	S	1	2
1,000 to 9,999 lb	286	33	49	262	23	45	82	7	18
10,000 to 49,999 lb	S	57	86	185	26	53	S	8	25
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 41, Waste and scrap	**126**	**169**	**266**	**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	76	89	124	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	72	128	S	S	S	–	–	–
SCTG 43, Mixed freight	**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	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	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
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	**89**	**S**	**S**	**159**	**S**	**S**	**19**	**S**	**S**
Less than 50 lb	22	–	–	66	1	1	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	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	8	1	1	S	2	4	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–

– 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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**	**10.3**
Single modes	**3.0**	**1.4**	**5.6**	**1.7**	**12.2**	**2.8**	**10.5**
Truck	2.9	1.8	7.1	3.0	5.5	2.3	8.4
For-hire truck	4.5	1.3	7.0	1.6	7.2	1.7	4.8
Private truck	3.6	1.2	9.8	2.3	11.2	.8	7.5
Rail	10.0	.7	10.7	3.1	14.3	3.4	3.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	17.0	.9	18.7	–	24.5	–	1.6
Pipeline	22.9	.1	25.4	.5	S	S	S
Multiple modes	**10.1**	**1.5**	**27.9**	**1.2**	**27.0**	**2.8**	**9.7**
Parcel, U.S. Postal Service or courier	10.6	1.5	11.4	–	11.9	–	9.7
Truck and rail	18.9	.1	S	S	S	S	14.3
Truck and water	42.6	–	38.5	–	22.5	–	10.5
Rail and water	29.2	–	29.5	1.0	28.5	2.6	15.6
Other multiple modes	S	S	S	S	S	S	21.2
Other and unknown modes	**6.7**	**.2**	**24.3**	**.9**	**18.7**	**.2**	**15.7**

– 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–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	**3.5**	**3.0**	**5.8**	**5.2**	**5.3**	**7.5**	**11.3**	**9.3**	**16.3**	**10.3**	**4.1**	**13.3**
Single modes	**3.0**	**3.0**	**4.8**	**5.6**	**5.4**	**8.4**	**12.2**	**9.7**	**16.7**	**10.5**	**9.2**	**9.3**
Truck	2.9	3.2	4.9	7.1	4.4	10.7	5.5	3.6	8.0	8.4	3.1	6.9
For-hire truck	4.5	6.4	7.5	7.0	5.2	9.0	7.2	3.4	9.1	4.8	3.7	6.3
Private truck	3.6	3.6	6.9	9.8	5.4	16.2	11.2	6.8	18.9	7.5	3.7	6.5
Rail	10.0	13.6	17.6	10.7	8.7	12.9	14.3	11.0	18.9	3.9	3.7	5.3
Water	–	S	S	–	S	S	–	S	S	–	22.2	–
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)	17.0	10.0	31.7	18.7	24.8	57.5	24.5	19.2	76.4	1.6	1.8	2.4
Pipeline	22.9	27.4	29.2	25.4	29.2	45.6	S	S	S	S	S	S
Multiple modes	**10.1**	**7.9**	**28.3**	**27.9**	**31.1**	**71.2**	**27.0**	**36.1**	**86.0**	**9.7**	**2.9**	**10.4**
Parcel, U.S. Postal Service or courier	10.6	5.6	30.1	11.4	4.0	20.9	11.9	4.0	26.2	9.7	2.9	10.5
Truck and rail	18.9	46.7	20.3	S	26.0	S	S	23.6	S	14.3	14.5	21.5
Truck and water	42.6	20.1	134.1	38.5	33.1	126.9	22.5	29.7	79.6	10.5	8.2	10.0
Rail and water	29.2	39.5	150.6	29.5	45.1	140.7	28.5	46.6	103.5	15.6	17.1	17.6
Other multiple modes	S	–	S	S	–	S	S	–	S	21.2	–	S
Other and unknown modes	**6.7**	**14.8**	**20.4**	**24.3**	**28.0**	**11.7**	**18.7**	**41.9**	**15.0**	**15.7**	**13.9**	**8.1**

– 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–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	**1.4**	**.8**	**1.7**	**3.0**	**2.8**	**2.0**
Truck	1.8	1.1	3.0	2.3	2.3	1.3
For-hire truck	1.3	1.5	1.6	1.1	1.7	.9
Private truck	1.2	1.5	2.3	1.4	.8	.4
Rail	.7	1.1	3.1	2.6	3.4	2.2
Water	–	S	–	S	–	S
Shallow draft	–	S	–	S	–	S
Great Lakes	–	–	–	–	–	–
Deep draft	–	S	–	S	–	S
Air (includes truck and air)	.9	.5	–	–	–	–
Pipeline	.1	.3	.5	.4	S	S
Multiple modes	**1.5**	**.8**	**1.2**	**.8**	**2.8**	**1.9**
Parcel, U.S. Postal Service or courier	1.5	.6	–	–	–	–
Truck and rail	.1	.6	S	.4	S	.5
Truck and water	–	–	–	–	–	–
Rail and water	–	–	1.0	.5	2.6	1.8
Other multiple modes	S	–	S	–	S	–
Other and unknown modes	**.2**	**.4**	**.9**	**3.0**	**.2**	**1.0**

– 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	**11.3**	**–**	**10.2**
Truck	6.1	2.3	8.0
Rail	13.2	2.5	4.0
Shallow draft	28.7	.5	17.7
Great Lakes	S	S	21.2
Deep draft	26.1	–	5.7
Air	24.7	–	1.6
Parcel, U.S. Postal Service or courier	11.9	–	9.7
Pipeline	S	S	S
Other and unknown modes	18.7	.2	15.7

– 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–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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**
Less than 50 miles	3.0	1.0	8.2	2.9	9.5	.4
50 to 99 miles	7.2	.4	8.4	.6	11.3	.2
100 to 249 miles	6.4	.5	8.9	.9	8.4	.6
250 to 499 miles	8.2	.7	6.6	.6	5.9	.7
500 to 749 miles	6.2	.5	11.6	1.1	12.2	1.7
750 to 999 miles	6.1	.5	18.3	1.7	17.5	2.2
1,000 to 1,499 miles	7.1	.7	16.1	1.4	16.4	3.1
1,500 to 1,999 miles	6.9	.4	20.1	.4	21.7	1.4
2,000 miles or more	20.3	.8	14.8	–	14.9	.2
Single modes	**3.0**	**–**	**5.6**	**–**	**12.2**	**–**
Less than 50 miles	3.5	1.1	9.4	3.2	10.3	.4
50 to 99 miles	7.4	.4	8.6	.6	9.4	.2
100 to 249 miles	7.1	.6	9.0	1.0	8.6	.7
250 to 499 miles	8.0	.7	6.7	.7	6.0	.9
500 to 749 miles	6.7	.4	12.1	1.3	12.7	2.4
750 to 999 miles	5.6	.5	21.9	1.8	21.3	2.3
1,000 to 1,499 miles	9.2	.9	16.6	1.3	16.9	2.9
1,500 to 1,999 miles	8.0	.5	20.8	.4	22.4	1.5
2,000 miles or more	21.9	.5	17.8	–	17.9	.3
Truck	**2.9**	**–**	**7.1**	**–**	**5.5**	**–**
Less than 50 miles	3.5	1.2	9.5	2.3	11.2	1.0
50 to 99 miles	8.4	.4	11.8	1.3	12.1	.8
100 to 249 miles	8.2	.7	7.8	.8	7.2	1.0
250 to 499 miles	6.5	.6	6.7	.5	6.7	1.1
500 to 749 miles	8.5	.5	7.3	.2	6.9	.8
750 to 999 miles	7.0	.4	11.5	.2	12.1	1.1
1,000 to 1,499 miles	13.3	1.0	23.4	.6	21.5	2.7
1,500 to 1,999 miles	11.7	.5	15.4	.1	14.7	1.0
2,000 miles or more	21.0	.3	11.6	–	11.9	.3
For-hire truck	**4.5**	**–**	**7.0**	**–**	**7.2**	**–**
Less than 50 miles	5.2	.7	10.0	2.9	11.8	.5
50 to 99 miles	9.4	.3	17.5	2.0	18.6	.8
100 to 249 miles	9.5	.7	10.0	1.3	9.9	1.1
250 to 499 miles	7.6	.9	7.4	.8	7.6	.8
500 to 749 miles	9.6	.9	8.2	.6	7.6	1.0
750 to 999 miles	7.4	.9	11.3	.4	11.7	1.2
1,000 to 1,499 miles	14.3	1.8	19.1	.7	18.1	2.1
1,500 to 1,999 miles	11.9	.9	16.2	.3	15.4	1.1
2,000 miles or more	21.9	.7	12.1	–	12.5	.5
Private truck	**3.6**	**–**	**9.8**	**–**	**11.2**	**–**
Less than 50 miles	4.2	1.7	12.1	2.3	13.7	2.7
50 to 99 miles	9.5	.6	13.8	1.4	13.5	1.7
100 to 249 miles	8.6	.9	8.6	.9	7.8	1.5
250 to 499 miles	13.7	.6	14.9	.4	15.9	2.1
500 to 749 miles	14.2	.3	14.1	.1	14.4	1.0
750 to 999 miles	15.6	.1	21.3	.1	23.1	1.2
1,000 to 1,499 miles	33.1	.4	S	S	S	S
1,500 to 1,999 miles	23.7	.1	21.7	–	22.8	.5
2,000 miles or more	27.6	–	30.9	–	30.5	.2
Rail	**10.0**	**–**	**10.7**	**–**	**14.3**	**–**
Less than 50 miles	24.2	1.7	22.7	3.5	27.2	–
50 to 99 miles	29.6	1.1	24.0	1.2	25.5	.2
100 to 249 miles	21.8	1.6	20.4	1.7	18.0	.4
250 to 499 miles	10.0	1.0	11.0	.8	10.2	.7
500 to 749 miles	13.2	1.6	13.4	2.9	13.8	3.3
750 to 999 miles	8.1	1.0	23.2	2.5	22.5	2.7
1,000 to 1,499 miles	9.4	1.5	18.1	2.3	18.2	3.2
1,500 to 1,999 miles	12.6	1.4	28.4	.6	29.8	1.9
2,000 miles or more	S	S	30.1	–	29.6	.2
Water	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**17.0**	**–**	**18.7**	**–**	**24.5**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	33.4	.2	32.5	.2	30.1	–
100 to 249 miles	31.9	.9	33.2	.8	32.7	.1
250 to 499 miles	23.9	1.9	22.2	2.2	19.2	1.0
500 to 749 miles	28.9	1.8	21.3	2.6	20.8	2.1
750 to 999 miles	11.7	2.2	33.8	3.0	34.8	3.0
1,000 to 1,499 miles	26.6	3.7	21.3	3.9	21.2	4.7
1,500 to 1,999 miles	14.9	1.8	42.4	4.3	42.0	4.7
2,000 miles or more	40.1	2.7	49.1	5.2	48.5	6.6
Pipeline	**22.9**	**–**	**25.4**	**–**	**S**	**S**
Less than 50 miles	30.0	8.9	31.8	10.5	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	35.5	7.0	45.3	9.7	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	–	–	–	–	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**10.1**	**–**	**27.9**	**–**	**27.0**	**–**
Less than 50 miles	13.6	1.2	39.4	2.5	S	S
50 to 99 miles	15.8	.4	S	S	S	S
100 to 249 miles	11.0	1.2	20.0	1.6	21.4	.4
250 to 499 miles	15.4	1.8	S	S	S	S
500 to 749 miles	11.8	1.5	47.7	2.4	48.3	2.6
750 to 999 miles	15.0	1.1	38.6	8.6	38.1	8.4
1,000 to 1,499 miles	14.3	1.0	38.2	5.7	41.1	6.9
1,500 to 1,999 miles	9.0	.9	13.0	1.4	13.6	2.5
2,000 miles or more	29.2	2.2	19.0	1.7	19.0	3.6
Parcel, U.S. Postal Service or courier	**10.6**	**–**	**11.4**	**–**	**11.9**	**–**
Less than 50 miles	13.8	1.2	34.0	2.8	26.7	–
50 to 99 miles	16.0	.4	13.2	.7	12.8	.1
100 to 249 miles	11.4	1.3	9.4	1.4	9.3	.5
250 to 499 miles	15.8	1.9	19.1	1.8	16.0	.9
500 to 749 miles	11.9	1.5	11.5	.9	11.7	.9
750 to 999 miles	16.6	1.1	15.6	.8	15.9	.9
1,000 to 1,499 miles	15.4	1.0	19.9	1.4	19.2	1.7
1,500 to 1,999 miles	9.1	.9	11.6	1.0	11.3	1.7
2,000 miles or more	29.7	2.2	30.1	1.7	29.9	3.2
Truck and rail	**18.9**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	48.9	3.2	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	34.0	3.4	30.8	3.6	30.1	1.0
250 to 499 miles	39.4	4.1	S	S	S	S
500 to 749 miles	22.3	3.1	S	S	S	S
750 to 999 miles	38.5	4.3	20.1	4.0	19.4	4.9
1,000 to 1,499 miles	39.5	4.6	S	S	S	S
1,500 to 1,999 miles	28.1	3.4	24.0	3.6	24.4	5.2
2,000 miles or more	31.2	2.3	40.7	2.2	41.4	3.6
Truck and water	**42.6**	**–**	**38.5**	**–**	**22.5**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	26.1	13.1	27.3	8.2

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	**29.2**	**–**	**29.5**	**–**	**28.5**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	40.3	7.0	39.4	7.6	38.8	7.3
1,000 to 1,499 miles	33.0	6.8	37.9	7.2	37.7	7.0
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**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	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
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	–	–	–	–	–	–
Other and unknown modes	**6.7**	**–**	**24.3**	**–**	**18.7**	**–**
Less than 50 miles	9.7	3.3	27.8	8.4	S	S
50 to 99 miles	26.2	.8	S	S	S	S
100 to 249 miles	13.4	1.1	31.0	.7	36.1	2.7
250 to 499 miles	16.9	1.0	28.8	1.6	31.5	3.7
500 to 749 miles	25.6	1.1	S	S	49.1	6.5
750 to 999 miles	25.7	2.1	28.7	1.6	28.2	2.8
1,000 to 1,499 miles	28.2	2.1	40.9	1.7	45.5	3.5
1,500 to 1,999 miles	23.6	.4	40.9	.8	40.3	2.1
2,000 miles or more	36.5	1.6	31.6	.2	32.1	3.1

– 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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**	**10.3**
Less than 50 lb	9.1	1.2	22.1	–	8.7	–	11.7
50 to 99 lb	10.4	.4	7.9	–	16.6	–	9.3
100 to 499 lb	7.8	.7	4.3	–	7.2	–	7.2
500 to 749 lb	10.1	.4	4.4	–	12.9	–	12.7
750 to 999 lb	12.3	.2	6.8	–	9.1	–	8.7
1,000 to 9,999 lb	4.1	.7	5.5	.3	6.6	.2	6.4
10,000 to 49,999 lb	4.7	1.3	8.3	1.9	5.6	1.5	11.1
50,000 to 99,999 lb	12.1	.7	10.2	1.3	11.6	.7	13.4
100,000 lb or more	8.0	.7	8.5	2.9	13.0	2.3	6.4
Single modes	**3.0**	**–**	**5.6**	**–**	**12.2**	**–**	**10.5**
Less than 50 lb	8.1	.5	38.9	–	17.6	–	23.1
50 to 99 lb	7.9	.2	6.5	–	5.0	–	6.8
100 to 499 lb	8.5	.8	4.8	–	5.8	–	5.7
500 to 749 lb	9.7	.3	4.7	–	10.6	–	12.0
750 to 999 lb	12.7	.3	7.2	–	8.5	–	8.7
1,000 to 9,999 lb	4.4	.9	5.4	.3	6.9	.2	6.7
10,000 to 49,999 lb	4.8	1.5	8.6	1.8	6.0	1.6	11.6
50,000 to 99,999 lb	12.4	.8	10.4	1.4	11.9	.7	13.8
100,000 lb or more	8.5	.9	8.9	2.8	14.1	2.4	6.7
Truck	**2.9**	**–**	**7.1**	**–**	**5.5**	**–**	**8.4**
Less than 50 lb	5.9	.3	40.3	.1	14.2	–	19.2
50 to 99 lb	5.6	.1	6.6	–	5.7	–	6.5
100 to 499 lb	7.4	.7	4.8	–	5.8	–	5.7
500 to 749 lb	10.0	.4	4.7	–	11.0	–	12.3
750 to 999 lb	11.1	.3	7.2	–	6.1	–	7.5
1,000 to 9,999 lb	4.5	1.1	5.5	.6	7.0	.6	6.9
10,000 to 49,999 lb	4.9	1.6	8.6	2.1	6.1	1.8	11.8
50,000 to 99,999 lb	12.8	1.0	10.4	1.9	11.9	2.0	14.0
100,000 lb or more	14.8	.2	22.2	1.9	15.3	.8	27.9
For-hire truck	**4.5**	**–**	**7.0**	**–**	**7.2**	**–**	**4.8**
Less than 50 lb	12.3	.5	11.4	–	9.1	–	13.9
50 to 99 lb	18.3	.3	10.2	–	9.0	–	9.1
100 to 499 lb	15.1	1.3	6.2	–	9.5	–	5.6
500 to 749 lb	14.4	.4	9.2	–	17.1	–	6.7
750 to 999 lb	22.6	.6	6.3	–	6.8	–	7.7
1,000 to 9,999 lb	10.1	1.6	11.5	.6	9.9	.6	5.6
10,000 to 49,999 lb	6.5	2.5	7.1	2.2	7.9	1.6	7.1
50,000 to 99,999 lb	9.8	.6	10.5	2.9	11.5	1.5	13.2
100,000 lb or more	22.7	.5	28.5	2.4	17.0	1.0	20.9
Private truck	**3.6**	**–**	**9.8**	**–**	**11.2**	**–**	**7.5**
Less than 50 lb	7.8	.4	42.6	.2	23.6	–	11.2
50 to 99 lb	5.7	.2	7.1	–	8.2	–	7.6
100 to 499 lb	9.1	.9	5.6	.1	7.4	.1	5.1
500 to 749 lb	11.7	.5	5.7	–	5.8	–	5.6
750 to 999 lb	7.4	.2	8.4	–	11.2	–	6.8
1,000 to 9,999 lb	4.8	1.4	6.2	1.0	8.5	1.1	7.1
10,000 to 49,999 lb	6.1	1.5	11.8	2.5	9.7	3.1	10.0
50,000 to 99,999 lb	17.1	1.4	16.2	2.6	24.6	3.8	17.1
100,000 lb or more	20.2	.2	35.9	2.7	30.1	1.3	44.1
Rail	**10.0**	**–**	**10.7**	**–**	**14.3**	**–**	**3.9**
Less than 50 lb	S	S	S	S	S	S	24.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	48.8	–	44.7	–	S	S	21.0
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	22.1
1,000 to 9,999 lb	S	S	34.3	–	41.0	–	16.9
10,000 to 49,999 lb	20.7	.5	20.7	–	20.0	–	11.9
50,000 to 99,999 lb	23.4	.6	23.6	–	22.9	–	12.6
100,000 lb or more	10.5	.7	10.7	–	14.3	–	3.9
Water	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Shallow draft	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–

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	–	–	–	–	–	–	–
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Air (includes truck and air)	**17.0**	**–**	**18.7**	**–**	**24.5**	**–**	**1.6**
Less than 50 lb	17.1	4.2	30.0	3.3	32.8	3.1	1.6
50 to 99 lb	20.7	1.5	10.9	1.4	12.9	1.5	4.6
100 to 499 lb	22.8	2.7	14.2	2.2	15.7	2.3	3.5
500 to 749 lb	28.4	1.0	35.2	1.8	22.1	1.2	15.0
750 to 999 lb	47.9	.7	S	S	S	S	7.3
1,000 to 9,999 lb	37.1	2.5	19.2	2.8	18.3	3.7	6.1
10,000 to 49,999 lb	27.0	.4	44.3	6.0	S	S	14.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.3
100,000 lb or more	S	S	S	S	S	S	21.8
Pipeline	**22.9**	**–**	**25.4**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	S	S	S
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	38.0	7.7	28.3	7.4	S	S	S
100,000 lb or more	23.2	8.7	25.7	8.9	S	S	S
Multiple modes	**10.1**	**–**	**27.9**	**–**	**27.0**	**–**	**9.7**
Less than 50 lb	12.6	2.0	10.5	4.2	8.7	4.1	10.0
50 to 99 lb	17.1	1.2	19.3	1.5	21.4	1.2	6.6
100 to 499 lb	9.6	1.4	15.4	2.8	19.3	2.5	8.1
500 to 749 lb	37.9	1.1	22.4	.5	42.5	.8	13.1
750 to 999 lb	40.8	.6	30.3	.1	31.3	–	23.2
1,000 to 9,999 lb	S	S	30.1	.1	36.7	–	20.1
10,000 to 49,999 lb	26.3	.9	17.3	4.0	16.9	5.1	14.0
50,000 to 99,999 lb	27.3	–	46.2	2.0	25.4	1.6	S
100,000 lb or more	29.0	.3	29.9	11.9	28.2	11.9	8.8
Parcel, U.S. Postal Service or courier	**10.6**	**–**	**11.4**	**–**	**11.9**	**–**	**9.7**
Less than 50 lb	12.6	2.1	10.5	2.2	8.7	2.9	10.0
50 to 99 lb	17.1	1.2	19.3	1.5	21.4	1.7	6.6
100 to 499 lb	9.6	1.4	15.4	1.7	19.4	2.2	8.1
500 to 749 lb	38.0	1.1	22.6	.8	42.9	1.4	13.0
750 to 999 lb	41.1	.6	31.0	.7	32.5	.4	23.1
1,000 to 9,999 lb	S	S	S	S	48.9	–	S
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**18.9**	**–**	**S**	**S**	**S**	**S**	**14.3**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.0
500 to 749 lb	S	S	S	S	S	S	22.2
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	35.6	2.4	37.9	.9	S	S	18.7
10,000 to 49,999 lb	26.3	6.9	18.4	11.5	18.0	12.3	12.9
50,000 to 99,999 lb	31.8	3.2	S	S	27.7	3.3	S
100,000 lb or more	38.4	6.1	S	S	S	S	13.0
Truck and water	**42.6**	**–**	**38.5**	**–**	**22.5**	**–**	**10.5**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	20.6
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	40.0	9.6	40.6	9.3	17.1
10,000 to 49,999 lb	48.9	11.9	41.0	12.4	26.4	12.0	24.1
50,000 to 99,999 lb	S	S	S	S	S	S	23.4
100,000 lb or more	–	–	–	–	–	–	–

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	**29.2**	**–**	**29.5**	**–**	**28.5**	**–**	**15.6**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	29.2	–	29.5	–	28.5	–	15.6
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.2**
Less than 50 lb	S	S	S	S	S	S	23.0
50 to 99 lb	S	S	S	S	S	S	22.0
100 to 499 lb	47.8	–	48.6	–	S	S	21.1
500 to 749 lb	S	S	S	S	S	S	21.5
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	21.2
10,000 to 49,999 lb	S	S	S	S	S	S	21.1
50,000 to 99,999 lb	S	S	S	S	S	S	21.1
100,000 lb or more	S	S	S	S	S	S	22.9
Other and unknown modes	**6.7**	**–**	**24.3**	**–**	**18.7**	**–**	**15.7**
Less than 50 lb	15.3	2.8	15.6	.3	30.6	.8	16.4
50 to 99 lb	19.5	.8	41.0	.1	34.6	–	S
100 to 499 lb	10.4	1.1	30.4	.7	25.4	.1	15.7
500 to 749 lb	22.6	.5	25.9	.3	25.5	–	S
750 to 999 lb	18.7	.4	26.8	.6	24.9	–	32.4
1,000 to 9,999 lb	13.8	2.6	16.5	2.5	33.1	2.8	12.5
10,000 to 49,999 lb	16.6	2.8	16.7	5.0	25.1	5.3	16.7
50,000 to 99,999 lb	31.1	.8	42.3	4.0	46.7	3.4	42.0
100,000 lb or more	23.5	2.0	28.5	10.8	39.9	7.8	36.0

– 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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**	**10.3**
01	Live animals and live fish	S	S	S	S	S	S	29.6
02	Cereal grains	13.5	.1	13.9	.3	21.0	.4	15.5
03	Other agricultural products	21.7	.4	30.6	.2	36.2	.4	23.8
04	Animal feed and products of animal origin, n.e.c.	20.1	.2	17.6	.3	17.4	.1	S
05	Meat, fish, seafood, and their preparations	11.5	.3	11.7	–	16.2	.1	29.1
06	Milled grain products and preparations, and bakery products	13.7	.2	15.6	–	22.1	–	22.1
07	Other prepared foodstuffs and fats and oils	8.0	.4	12.2	.4	8.3	.3	S
08	Alcoholic beverages	11.5	.3	23.9	.2	42.8	.7	16.0
09	Tobacco products	36.1	.1	36.2	–	S	S	17.6
10	Monumental or building stone	S	S	33.3	–	32.6	–	S
11	Natural sands	42.9	–	26.9	.6	15.2	–	S
12	Gravel and crushed stone	25.1	–	24.9	2.1	27.5	.4	9.9
13	Nonmetallic minerals n.e.c.	21.8	–	20.9	.3	22.6	.3	16.7
14	Metallic ores and concentrates	15.6	.2	32.3	.4	23.8	.2	14.4
15	Coal	6.3	.1	10.3	3.0	15.3	3.6	S
17	Gasoline and aviation turbine fuel	10.6	.2	10.0	.4	39.8	.4	22.5
18	Fuel oils	10.8	.1	11.7	.4	17.4	.2	12.7
19	Coal and petroleum products, n.e.c.	12.5	.1	30.3	1.0	S	S	18.3
20	Basic chemicals	12.6	.2	24.2	.7	24.3	.7	15.1
21	Pharmaceutical products	12.5	.4	22.2	–	34.0	–	12.0
22	Fertilizers	11.7	–	12.8	.1	27.9	.3	26.4
23	Chemical products and preparations, n.e.c.	19.7	.7	32.2	.2	32.5	.2	17.1
24	Plastics and rubber	6.9	.2	8.4	–	10.7	–	12.7
25	Logs and other wood in the rough	33.8	–	34.5	.6	33.4	.1	S
26	Wood products	6.7	.2	5.5	.1	6.3	.4	19.8
27	Pulp, newsprint, paper, and paperboard	13.5	.1	18.3	–	29.2	–	14.4
28	Paper or paperboard articles	10.1	.1	11.5	–	23.0	–	15.7
29	Printed products	8.9	.3	15.1	–	13.9	–	23.8
30	Textiles, leather, and articles of textiles or leather	11.1	.3	13.7	–	20.7	–	8.1
31	Nonmetallic mineral products	7.9	.2	8.7	.8	18.3	.3	25.0
32	Base metal in primary or semifinished forms and in finished basic shapes	13.7	.6	8.1	.1	15.7	.3	13.8
33	Articles of base metal	9.1	.3	16.8	–	20.5	.1	15.8
34	Machinery	8.8	.5	11.2	–	21.1	–	12.2
35	Electronic and other electrical equipment and components and office equipment	13.5	2.0	17.2	–	19.3	–	9.3
36	Motorized and other vehicles (including parts)	15.4	.6	24.4	–	42.7	–	16.8
37	Transportation equipment, n.e.c.	21.6	.5	S	S	46.3	–	23.3
38	Precision instruments and apparatus	13.4	.3	16.5	–	21.3	–	6.7
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	.5	21.8	–	19.6	–	14.5
40	Miscellaneous manufactured products	12.3	.8	33.0	.1	21.0	.1	6.5
41	Waste and scrap	28.3	–	47.6	.5	45.3	.3	21.6
43	Mixed freight	11.3	.3	12.6	–	19.6	–	23.3
--	Commodity unknown	22.2	–	46.3	–	S	S	12.2

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

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

Table B–6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the 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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**	**10.3**
010	Live animals and live fish	S	S	S	S	S	S	29.6
021	Wheat	16.0	–	15.5	.2	21.3	.4	32.8
022	Corn, except sweet	29.7	–	32.8	.1	49.2	–	S
029	Other cereal grains	24.6	–	23.7	–	46.3	–	41.4
031	Fresh or chilled potatoes (Irish potatoes), except sweet	31.8	–	S	S	S	S	18.4
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	29.7	.2	46.8	.2	S	S	S
033	Fresh, chilled, or dried edible fruit and nuts	35.2	.1	41.0	–	S	S	24.6
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	33.3	–	32.7	–	37.6	–	25.1
036	Bulbs, live plants, and seeds for sowing, n.e.c.	30.1	–	38.2	–	42.4	–	21.0
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	34.6	–	34.5	–	48.2	–	27.9
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	29.3	–	26.1	–	27.0	–	S
042	Animal feed preparations	23.1	.2	21.6	.3	21.4	–	S
051	Meat including poultry, except preparations	10.9	.3	12.0	–	16.2	.1	19.3
052	Fish, except live, and seafood, except preparations	45.0	.1	41.1	–	44.6	–	45.7
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	22.3
061	Wheat flour, groats, and meal	35.2	–	39.7	–	34.3	–	30.0
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	38.0	–	46.8	–	S
063	Food preparations of cereals, flour, starch, or milk	30.2	–	22.7	–	26.0	–	16.5
064	Bakery products	19.4	.2	17.3	–	36.6	–	30.5
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	15.1	.3	22.0	.2	19.8	–	36.5
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	11.3	.1	11.1	–	14.9	.1	30.0
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	32.5	–	42.7	–	29.4	–	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	45.5	–	S	S	39.4	–	25.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	17.1	–	17.0	–	20.7	.1	23.7
076	Confectionery, cocoa, and cocoa preparations	32.0	–	28.7	–	42.0	–	40.0
077	Edible preparations, n.e.c. and vinegar	32.8	.1	29.2	–	35.8	–	17.0
078	Nonalcoholic beverages, n.e.c. and ice	19.6	.2	30.9	.3	34.5	–	S
081	Malt Beer	13.6	.3	25.1	.2	43.0	.7	23.6
082	Wine and other fermented beverages	25.1	–	27.7	–	S	S	18.0
083	Spirituous beverages and ethyl alcohol	20.7	–	18.6	–	19.0	–	6.1
090	Tobacco products	36.1	.1	36.2	–	S	S	17.6
100	Monumental or building stone, except dolomite	S	S	33.3	–	32.6	–	S
110	Natural sands, except metal-bearing	42.9	–	26.9	.6	15.2	–	S
120	Gravel and crushed stone, except dolomite and slate	25.1	–	24.9	2.1	27.5	.4	9.9
131	Salt	S	S	S	S	S	S	21.0
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	23.1
133	Dolomite	S	S	S	S	S	S	26.3
139	Other nonmetallic minerals	25.9	–	17.2	.2	22.4	.3	12.3
141	Iron ores and concentrates	38.2	–	39.6	–	43.9	–	30.5
149	Other metallic ores and concentrates	15.6	.2	32.4	.4	23.8	.2	14.4
151	Nonagglomerated bituminous coal	6.3	.1	10.3	3.0	15.3	3.6	S
159	Other coal	S	S	S	S	S	S	23.4
171	Gasoline	10.3	.2	9.7	.4	40.2	.4	22.5
172	Aviation turbine fuel (types A and B)	29.1	–	29.9	–	25.4	–	S
180	Fuel oils	10.8	.1	11.7	.4	17.4	.2	12.7
191	Lubricating oils and greases	29.5	–	29.5	–	35.6	–	29.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	S	S	S	S	S	S	31.6
193	Gaseous hydrocarbons	30.6	–	28.0	–	25.8	–	S
199	Other products of petroleum refining, and coal products	15.4	.1	33.4	1.0	S	S	12.8
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	39.1	–	S	S	S	S	34.3
202	Inorganic chemicals, n.e.c.	14.7	.1	24.2	.7	23.4	.7	29.5
203	Cyclic hydrocarbons	S	S	S	S	S	S	31.2
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.1	–	33.7	–	40.7	–	43.9
205	Organic chemicals, n.e.c.	30.3	.1	24.0	–	29.6	–	15.4
210	Pharmaceutical products	12.5	.4	22.2	–	34.0	–	12.0
220	Fertilizers and fertilizer materials	11.7	–	12.8	.1	27.9	.3	26.4
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	25.3	–	28.5	–	36.1	–	28.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	39.3	.2	34.1	–	41.4	–	16.3
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	S	S	42.3	.1	40.2	.2	22.1
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	44.6	.5	44.1	–	46.3	–	15.0
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	25.2	.1	21.2	–	21.3	–	30.4
239	Other chemical products and preparations	19.9	–	41.0	–	20.0	–	18.1
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	23.4	–	45.9	–	31.0	–	27.7
242	Manmade fibers and plastics basic shapes and articles	9.5	.2	10.4	–	13.2	–	14.1

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	22.7	–	34.4	–	21.1	–	32.3
250	Logs and other wood in the rough	33.8	–	34.5	.6	33.4	.1	S
261	Wood chips or particles	43.6	–	22.3	–	32.8	–	29.8
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5.0	–	5.3	–	9.3	.3	17.5
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	14.3	–	8.8	–	13.8	–	16.2
264	Builders' joinery and carpentry of wood, except shingles and shakes	34.5	.1	42.0	–	29.8	–	18.9
269	Other wood products	41.3	–	S	S	31.4	–	18.8
271	Pulp of fibrous cellulosic materials	37.4	–	48.1	–	S	S	20.2
272	Newsprint in large rolls or sheets	46.1	–	46.9	–	47.8	–	46.1
273	Uncoated paper and paperboard in large rolls or sheets	14.8	–	26.3	–	38.8	–	14.7
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	26.6	–	26.9	–	41.7	–	22.8
280	Paper or paperboard articles	10.1	.1	11.5	–	23.0	–	15.7
291	Printed books, brochures, leaflets, and similar printed products	20.2	.2	19.7	–	21.4	–	8.8
292	Newspapers, journals, and periodicals	16.3	.2	22.1	–	26.5	–	26.9
293	Advertising material, commercial or trade catalogues, and similar printed products	37.2	.2	46.0	–	S	S	12.4
299	Other printed products	16.1	.1	17.9	–	17.9	–	11.1
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	35.4	–	31.9	–	23.5	–	13.1
302	Textile clothing and accessories, and headgear, except safety	14.3	.2	28.9	–	34.4	–	7.6
303	Textiles and textile articles, n.e.c.	18.1	.1	20.1	–	21.6	–	10.6
304	Footwear	30.2	–	28.8	–	35.1	–	10.3
305	Leather and articles, luggage of related materials, and dressed furskins and articles	26.4	–	34.8	–	38.9	–	12.9
311	Hydraulic cements	16.1	–	19.4	.3	15.0	–	18.5
312	Ceramic products	19.4	–	36.7	–	29.2	–	15.0
313	Glass and glass products	20.9	–	34.5	–	39.8	–	47.3
319	Other nonmetallic mineral products	11.0	.1	10.7	.8	22.2	.2	23.6
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	42.6	.1	39.4	–	35.8	–	S
322	Flat-rolled products of iron or steel	15.5	–	18.6	–	24.4	–	21.8
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	15.8	–	20.0	.1	28.8	.2	15.9
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	19.8	.6	17.1	–	24.8	.1	10.5
331	Pipes, tubes, and fittings	16.7	.1	20.8	–	30.1	–	17.4
332	Structures and parts, except prefabricated buildings	16.5	.1	21.3	–	29.1	–	38.7
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	11.8	–	15.5	–	17.0	–	14.7
339	Other articles of metal	13.4	.1	34.3	–	30.9	–	26.6
341	Internal-combustion piston engines	16.7	–	21.4	–	26.7	–	31.2
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	33.0	.1	18.7	–	49.4	–	16.0
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	25.4	.1	29.9	–	35.4	–	25.0
344	Air-conditioning, refrigerating, or freezing equipment	19.5	–	28.0	–	34.8	–	49.7
345	Materials-handling, excavating, boring, and related machinery and equipment	24.4	.4	21.3	–	33.6	–	39.6
349	Other machinery	18.1	.3	19.5	–	32.2	–	10.7
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	25.1	–	40.3	–	49.2	–	19.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	45.2	–	S	S	35.1	–	20.5
353	Line telephone or telegraph apparatus	S	S	S	S	S	S	10.2
354	Electronic entertainment products, except parts	29.8	–	23.2	–	34.1	–	11.1
355	Computer and office equipment	24.6	1.7	25.8	–	27.8	–	9.9
356	Prepared unrecorded or prerecorded media	22.5	.1	35.8	–	37.7	–	8.3
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	37.2	.1	45.6	–	45.9	–	18.7
358	Electronic components and parts	22.9	1.2	28.0	–	40.7	–	7.2
359	Other electronic and electrical equipment	7.8	.3	24.3	–	26.1	–	25.8
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	47.7	–	41.6	–	S	S	22.2
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	25.2	–	36.4	–	48.3	–	45.7
363	Other vehicles	28.3	.2	14.0	–	15.0	–	30.5
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	20.2	.6	33.3	–	S	S	18.0
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	47.1	–	S	S	S	S	21.5
372	Aircraft and spacecraft	23.3	.5	30.4	–	35.6	–	27.5
373	Ships, boats, and floating structures	42.3	–	46.7	–	49.0	–	17.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	27.8	–	36.0	–	14.4
382	Photographic and photocopying machines	39.5	–	S	S	S	S	41.0
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	35.1	.2	48.7	–	S	S	15.4
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	15.3	.1	25.3	–	27.8	–	8.4

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	12.1	–	17.3	–	21.4	–	11.4
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	26.4	.5	21.8	–	19.6	–	14.5
401	Arms and ammunition	30.1	–	45.8	–	33.7	–	16.3
402	Toys, games, and sporting equipment	24.1	.2	25.5	–	26.8	–	6.0
409	Miscellaneous manufactured products	13.7	.8	35.0	.1	24.2	–	6.7
411	Metallic waste and scrap	30.7	–	S	S	S	S	32.1
412	Nonmetallic waste and scrap, except from food processing	33.6	–	32.4	–	35.8	–	22.0
439	Mixed freight	11.3	.3	12.6	–	19.6	–	23.3
—	Commodity unknown	22.2	–	46.3	–	S	S	12.2

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

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

Table B–7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**3.5**	**–**	**5.2**	**–**	**11.3**	**–**	**10.3**
Single modes	**3.0**	**1.4**	**5.6**	**1.7**	**12.2**	**2.8**	**10.5**
Truck	2.9	1.8	7.1	3.0	5.5	2.3	8.4
For-hire truck	4.5	1.3	7.0	1.6	7.2	1.7	4.8
Private truck	3.6	1.2	9.8	2.3	11.2	.8	7.5
Rail	10.0	.7	10.7	3.1	14.3	3.4	3.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	17.0	.9	18.7	–	24.5	–	1.6
Pipeline	22.9	.1	25.4	.5	S	S	S
Multiple modes	**10.1**	**1.5**	**27.9**	**1.2**	**27.0**	**2.8**	**9.7**
Parcel, U.S. Postal Service or courier	10.6	1.5	11.4	–	11.9	–	9.7
Truck and rail	18.9	.1	S	S	S	S	14.3
Truck and water	42.6	–	38.5	–	22.5	–	10.5
Rail and water	29.2	–	29.5	1.0	28.5	2.6	15.6
Other multiple modes	S	S	S	S	S	S	21.2
Other and unknown modes	**6.7**	**.2**	**24.3**	**.9**	**18.7**	**.2**	**15.7**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**29.6**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**29.6**
Truck	S	S	S	S	S	S	29.6
For-hire truck	S	S	S	S	S	S	21.9
Private truck	S	S	41.7	10.7	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
SCTG 02, CEREAL GRAINS							
Total	**13.5**	**–**	**13.9**	**–**	**21.0**	**–**	**15.5**
Single modes	**15.5**	**4.8**	**15.8**	**4.8**	**21.7**	**4.2**	**12.6**
Truck	19.5	6.8	20.5	6.8	26.8	6.6	13.4
For-hire truck	22.9	5.0	23.0	5.2	28.8	5.4	22.6
Private truck	26.2	4.7	28.9	5.5	S	S	28.8
Rail	23.8	6.0	23.2	5.9	24.3	6.6	13.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**17.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.0
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**21.7**	**–**	**30.6**	**–**	**36.2**	**–**	**23.8**
Single modes	**22.1**	**1.1**	**30.8**	**.7**	**36.3**	**1.3**	**32.0**
Truck	22.3	1.4	31.4	1.2	37.6	2.4	32.4
For-hire truck	33.8	7.1	43.0	8.3	40.2	7.8	13.5
Private truck	22.7	7.6	23.6	8.8	27.5	8.6	S
Rail	S	S	S	S	S	S	17.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**33.0**	**.5**	**S**	**S**	**42.3**	**1.3**	**13.4**
Parcel, U.S. Postal Service or courier	48.8	.2	33.9	–	39.2	–	14.2
Truck and rail	47.5	.3	S	S	45.8	1.3	25.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.1**	**1.0**	**34.4**	**.6**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**20.1**	**–**	**17.6**	**–**	**17.4**	**–**	**S**
Single modes	**17.7**	**4.0**	**19.1**	**3.3**	**20.2**	**5.6**	**40.0**
Truck	18.3	4.3	20.4	3.8	23.7	6.2	40.6
For-hire truck	23.0	6.0	25.0	4.7	26.5	6.8	14.6
Private truck	28.0	6.6	23.5	5.5	31.5	5.3	39.4
Rail	35.5	1.2	27.6	2.2	28.0	4.6	15.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	48.2	–	42.5	.2	S	S	S
Multiple modes	**40.4**	**2.3**	**42.8**	**.9**	**39.2**	**3.0**	**20.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.0
Truck and rail	42.7	2.3	47.8	.9	47.9	3.1	19.3
Truck and water	S	S	S	S	S	S	21.2
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	**11.5**	**–**	**11.7**	**–**	**16.2**	**–**	**29.1**
Single modes	**11.4**	**.1**	**11.7**	**.4**	**16.2**	**–**	**31.9**
Truck	11.3	.3	11.7	1.0	16.0	1.8	32.2
For-hire truck	17.6	6.6	16.8	6.8	19.0	7.0	9.1
Private truck	17.9	6.5	15.6	6.8	46.8	6.4	26.1
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	21.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**24.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	24.0
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.3**

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	**13.7**	**–**	**15.6**	**–**	**22.1**	**–**	**22.1**
Single modes	**14.8**	**3.7**	**16.2**	**2.8**	**22.2**	**.7**	**26.6**
Truck	14.9	3.7	17.0	3.4	23.7	2.9	26.6
For-hire truck	26.5	6.0	20.8	4.7	25.0	4.5	9.3
Private truck	22.0	6.3	19.3	5.5	31.4	3.4	19.8
Rail	33.1	.4	34.7	1.4	35.8	3.0	19.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
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**	**32.5**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**8.0**	**–**	**12.2**	**–**	**8.3**	**–**	**S**
Single modes	**8.1**	**.8**	**12.1**	**1.1**	**8.4**	**.4**	**S**
Truck	8.8	1.8	13.3	3.2	9.4	5.4	S
For-hire truck	14.0	3.3	13.8	3.0	12.1	4.8	7.9
Private truck	9.9	3.7	15.2	4.4	9.4	3.8	45.4
Rail	20.4	1.7	21.9	3.2	21.0	5.5	8.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	44.5	–	48.3	–	19.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**10.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	11.9
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.5**	**.8**	**40.7**	**1.1**	**37.9**	**.3**	**46.0**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**11.5**	**–**	**23.9**	**–**	**42.8**	**–**	**16.0**
Single modes	**11.4**	**.6**	**23.8**	**.5**	**43.0**	**.4**	**15.5**
Truck	10.2	5.2	11.7	9.9	27.1	16.1	8.0
For-hire truck	31.5	2.9	28.2	3.5	33.4	6.9	19.5
Private truck	8.8	6.9	13.5	11.2	S	S	5.9
Rail	40.1	4.9	45.3	9.7	47.3	15.8	18.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**32.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	21.2
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 09, TOBACCO PRODUCTS							
Total	**36.1**	**–**	**36.2**	**–**	**S**	**S**	**17.6**
Single modes	**23.8**	**7.3**	**30.0**	**5.1**	**S**	**S**	**18.9**
Truck	23.1	7.6	29.6	5.2	43.3	14.1	18.4
For-hire truck	S	S	S	S	S	S	22.0
Private truck	23.0	9.2	29.1	7.8	31.1	13.2	12.1
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**	**18.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**30.8**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**33.3**	**–**	**32.6**	**–**	**S**
Single modes	**S**	**S**	**34.0**	**1.6**	**32.5**	**1.6**	**S**
Truck	S	S	34.9	2.3	33.3	5.3	S
For-hire truck	30.4	8.1	49.8	8.7	36.8	10.2	31.7
Private truck	S	S	S	S	46.4	11.4	S
Rail	S	S	S	S	S	S	21.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.2**
SCTG 11, NATURAL SANDS							
Total	**42.9**	**–**	**26.9**	**–**	**15.2**	**–**	**S**
Single modes	**43.4**	**1.4**	**27.3**	**1.1**	**15.7**	**2.9**	**S**
Truck	46.3	6.6	28.1	6.5	21.8	7.9	S
For-hire truck	27.1	7.3	37.2	7.2	23.1	7.3	S
Private truck	S	S	33.3	8.3	27.5	9.1	S
Rail	49.6	6.3	42.8	6.4	39.7	7.3	20.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.3**

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 12, GRAVEL AND CRUSHED STONE							
Total	**25.1**	**–**	**24.9**	**–**	**27.5**	**–**	**9.9**
Single modes	**25.6**	**2.9**	**25.2**	**3.2**	**27.7**	**1.7**	**10.2**
Truck	25.9	4.2	25.7	3.8	29.9	5.8	10.3
For-hire truck	23.9	4.6	21.7	5.2	26.3	5.0	S
Private truck	31.1	6.2	30.4	7.1	36.4	7.6	10.9
Rail	S	S	S	S	S	S	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**	**S**
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	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.0**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**21.8**	**–**	**20.9**	**–**	**22.6**	**–**	**16.7**
Single modes	**22.3**	**2.1**	**21.4**	**1.5**	**23.1**	**2.4**	**14.8**
Truck	28.2	5.8	21.8	5.2	42.3	3.5	16.1
For-hire truck	36.2	4.7	31.6	3.5	44.7	3.3	8.9
Private truck	44.1	5.0	31.7	4.8	33.8	.8	21.8
Rail	27.3	6.4	33.9	5.6	23.3	4.6	5.1
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	**42.7**	**1.3**	**33.0**	**.4**	**S**	**S**	**47.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	34.0
Truck and rail	S	S	33.5	.4	S	S	16.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**50.0**	**1.0**	**46.7**	**1.3**	**46.5**	**1.7**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**15.6**	**–**	**32.3**	**–**	**23.8**	**–**	**14.4**
Single modes	**16.0**	**3.0**	**32.9**	**1.4**	**26.7**	**5.2**	**15.0**
Truck	20.1	5.8	14.8	7.8	15.2	7.1	31.1
For-hire truck	22.0	5.8	17.1	7.0	17.7	7.3	31.2
Private truck	30.4	2.6	34.0	2.2	43.1	1.3	29.5
Rail	28.3	6.3	39.8	9.4	34.1	8.7	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	23.9
Pipeline	46.1	2.8	46.0	4.1	S	S	S
Multiple modes	**S**	**S**	**26.1**	**1.3**	**23.1**	**5.2**	**47.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	37.4	1.3	26.2	1.3	23.2	5.2	15.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**29.8**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**6.3**	**–**	**10.3**	**–**	**15.3**	**–**	**S**
Single modes	**6.6**	**2.7**	**10.8**	**3.3**	**16.7**	**3.8**	**S**
Truck	28.6	2.8	29.7	2.2	34.5	.2	16.8
For-hire truck	31.4	1.8	31.2	1.6	27.9	.2	28.4
Private truck	S	S	S	S	S	S	19.6
Rail	9.3	4.6	12.9	4.3	16.9	3.9	10.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	46.0	1.6	45.9	1.0	S	S	S
Multiple modes	**29.1**	**1.3**	**29.5**	**2.1**	**28.5**	**3.8**	**15.9**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	29.2	1.3	29.5	2.1	28.5	3.8	15.6
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.9**	**2.0**	**31.1**	**1.6**	**S**	**S**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**10.6**	**–**	**10.0**	**–**	**39.8**	**–**	**22.5**
Single modes	**10.6**	**.3**	**10.0**	**.2**	**39.9**	**.3**	**28.6**
Truck	10.5	3.4	9.7	3.6	41.5	5.0	29.0
For-hire truck	19.2	3.3	18.5	3.5	S	S	35.6
Private truck	11.8	3.7	11.1	3.7	S	S	32.0
Rail	S	S	S	S	S	S	20.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	35.6	2.9	34.1	3.3	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.0**
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	21.0
Other and unknown modes	**S**	**S**	**48.3**	**.1**	**S**	**S**	**S**
SCTG 18, FUEL OILS							
Total	**10.8**	**–**	**11.7**	**–**	**17.4**	**–**	**12.7**
Single modes	**10.9**	**.8**	**11.9**	**.8**	**17.6**	**.9**	**12.8**
Truck	8.8	2.9	10.1	3.5	17.5	7.2	13.7
For-hire truck	15.9	4.7	16.0	4.8	28.9	5.5	20.1
Private truck	11.1	3.9	12.6	4.2	12.1	6.3	14.0
Rail	33.0	1.4	27.9	1.9	25.3	7.0	17.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	44.0	2.6	44.7	3.0	S	S	S
Multiple modes	**46.5**	**–**	**48.9**	**–**	**S**	**S**	**30.2**
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	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	47.2	–	49.8	–	S	S	21.2
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**31.0**

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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**12.5**	**–**	**30.3**	**–**	**S**	**S**	**18.3**
Single modes	**12.9**	**2.8**	**20.2**	**6.5**	**42.0**	**10.9**	**19.3**
Truck	14.2	4.8	21.3	8.2	15.9	11.7	13.0
For-hire truck	20.1	5.4	26.6	7.8	20.2	10.9	13.7
Private truck	18.7	4.1	17.6	4.7	26.0	2.1	15.3
Rail	26.1	4.3	48.4	5.8	S	S	13.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**33.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	40.6
Truck and rail	S	S	S	S	S	S	20.6
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.4**	**.7**	**S**	**S**	**S**	**S**	**34.1**
SCTG 20, BASIC CHEMICALS							
Total	**12.6**	**–**	**24.2**	**–**	**24.3**	**–**	**15.1**
Single modes	**15.0**	**5.8**	**24.2**	**1.3**	**24.2**	**2.6**	**26.7**
Truck	16.5	4.3	25.4	4.3	22.8	4.0	30.5
For-hire truck	27.6	3.6	32.7	3.3	26.1	3.4	16.5
Private truck	19.3	3.9	40.6	4.9	S	S	25.7
Rail	20.5	5.4	25.6	5.1	25.1	6.1	7.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.7
Pipeline	46.2	.5	S	S	S	S	S
Multiple modes	**30.6**	**5.8**	**49.6**	**1.2**	**44.0**	**2.6**	**11.5**
Parcel, U.S. Postal Service or courier	35.2	5.6	34.3	.2	44.9	.3	12.8
Truck and rail	S	S	S	S	47.3	2.5	17.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**26.4**	**–**	**S**	**S**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**12.5**	**–**	**22.2**	**–**	**34.0**	**–**	**12.0**
Single modes	**25.5**	**6.6**	**28.4**	**7.6**	**46.8**	**10.1**	**49.1**
Truck	23.6	6.0	28.1	7.5	47.0	10.0	37.5
For-hire truck	25.5	5.9	41.2	7.2	49.0	10.6	S
Private truck	44.7	3.8	40.2	5.8	S	S	S
Rail	S	S	S	S	S	S	21.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	14.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**18.4**	**6.6**	**25.8**	**8.1**	**19.9**	**9.8**	**10.5**
Parcel, U.S. Postal Service or courier	18.4	6.6	25.3	8.1	19.9	9.8	10.5
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**	**30.7**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**11.7**	**–**	**12.8**	**–**	**27.9**	**–**	**26.4**
Single modes	**12.0**	**.8**	**12.8**	**.2**	**27.9**	**–**	**24.0**
Truck	14.3	4.8	13.0	4.6	10.3	5.2	23.2
For-hire truck	22.9	4.3	22.1	4.6	17.3	3.3	12.9
Private truck	22.2	6.4	21.0	5.7	22.3	3.9	37.2
Rail	28.2	4.5	30.1	4.6	37.5	5.2	6.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**30.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.3
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**48.4**	**.8**	**38.0**	**.2**	**49.0**	**–**	**19.5**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**19.7**	**–**	**32.2**	**–**	**32.5**	**–**	**17.1**
Single modes	**21.2**	**4.0**	**33.8**	**2.0**	**34.7**	**4.0**	**29.2**
Truck	21.4	4.2	34.6	2.9	34.5	4.5	27.6
For-hire truck	25.0	6.7	34.3	5.5	36.8	6.6	21.6
Private truck	28.5	4.4	38.8	4.8	41.1	4.8	27.4
Rail	49.4	.2	47.0	.6	S	S	20.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.8	.1	42.8	–	S	S	13.9
Pipeline	46.3	.1	46.2	.9	S	S	S
Multiple modes	**20.3**	**3.8**	**28.3**	**2.1**	**36.4**	**4.2**	**10.4**
Parcel, U.S. Postal Service or courier	20.7	3.5	24.8	1.4	38.9	2.4	10.4
Truck and rail	45.5	.5	45.1	1.7	46.4	3.8	20.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**24.1**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**6.9**	**–**	**8.4**	**–**	**10.7**	**–**	**12.7**
Single modes	**5.7**	**3.2**	**9.0**	**1.9**	**11.7**	**2.1**	**23.4**
Truck	5.9	3.2	9.0	1.9	11.7	2.1	17.3
For-hire truck	10.6	3.0	11.4	4.1	13.6	4.3	9.4
Private truck	10.3	3.4	13.1	3.9	18.3	3.2	15.2
Rail	S	S	S	S	S	S	21.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	26.4	.3	37.7	–	22.4	.2	11.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**22.4**	**3.2**	**28.3**	**1.3**	**26.8**	**1.8**	**8.2**
Parcel, U.S. Postal Service or courier	22.4	3.2	28.4	1.3	27.0	1.8	8.2
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	–	–	–	–	–	–	–
Other and unknown modes	**24.2**	**.9**	**47.9**	**1.5**	**S**	**S**	**46.3**

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 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**33.8**	**–**	**34.5**	**–**	**33.4**	**–**	**S**
Single modes	**34.8**	**2.4**	**36.0**	**3.5**	**34.7**	**3.0**	**S**
Truck	35.3	6.6	36.2	7.6	35.1	7.1	S
For-hire truck	46.0	8.6	S	S	49.4	9.0	S
Private truck	S	S	S	S	S	S	S
Rail	36.3	5.8	44.9	6.8	48.6	6.3	21.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**25.3**
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	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**6.7**	**–**	**5.5**	**–**	**6.3**	**–**	**19.8**
Single modes	**7.2**	**1.0**	**5.8**	**1.8**	**5.6**	**1.9**	**18.8**
Truck	8.5	2.0	7.4	2.5	11.0	3.3	21.3
For-hire truck	9.3	3.1	10.1	3.2	12.1	2.9	8.8
Private truck	14.6	3.5	12.0	3.1	12.4	.8	14.2
Rail	7.2	1.3	6.5	1.5	6.7	2.9	2.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	24.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.4**	**.5**	**40.4**	**.4**	**40.4**	**.7**	**14.2**
Parcel, U.S. Postal Service or courier	33.8	.4	31.7	–	36.3	–	15.2
Truck and rail	28.0	.2	42.3	.4	41.7	.7	29.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.0**	**.7**	**S**	**S**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**13.5**	**–**	**18.3**	**–**	**29.2**	**–**	**14.4**
Single modes	**12.2**	**3.2**	**18.1**	**3.3**	**29.6**	**2.9**	**19.5**
Truck	12.6	4.5	12.8	7.1	22.5	9.5	20.2
For-hire truck	16.7	4.3	17.6	4.5	22.9	7.2	15.4
Private truck	14.7	5.9	14.2	7.5	S	S	20.0
Rail	35.0	3.0	41.4	6.2	42.5	9.6	16.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**46.3**	**3.2**	**S**	**S**	**S**	**S**	**9.9**
Parcel, U.S. Postal Service or courier	23.3	.4	25.7	.3	30.0	.9	10.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**49.1**	**.7**	**S**	**S**	**33.8**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**10.1**	**–**	**11.5**	**–**	**23.0**	**–**	**15.7**
Single modes	**11.6**	**3.2**	**12.1**	**1.6**	**25.0**	**2.7**	**15.9**
Truck	11.6	3.6	10.7	3.0	17.2	5.7	11.3
For-hire truck	18.6	4.5	16.1	4.2	19.8	4.4	13.3
Private truck	12.3	4.0	14.5	3.9	15.2	3.3	19.5
Rail	S	S	S	S	S	S	21.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	16.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**31.2**	**3.3**	**49.1**	**1.4**	**40.5**	**2.7**	**12.0**
Parcel, U.S. Postal Service or courier	36.3	3.2	31.6	.9	45.0	2.2	12.2
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**48.7**	**.6**	**S**	**S**	**S**	**S**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**8.9**	**–**	**15.1**	**–**	**13.9**	**–**	**23.8**
Single modes	**10.2**	**4.6**	**18.4**	**4.7**	**22.3**	**6.3**	**S**
Truck	10.8	4.5	18.7	4.8	20.6	5.7	32.6
For-hire truck	12.2	2.0	19.0	4.0	23.9	5.5	27.0
Private truck	14.4	4.5	23.4	6.2	25.9	3.8	24.1
Rail	S	S	S	S	S	S	21.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	47.4	2.0	5.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.5**	**4.7**	**39.8**	**3.6**	**23.9**	**6.3**	**35.9**
Parcel, U.S. Postal Service or courier	23.5	4.7	39.8	3.6	23.9	6.3	35.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**22.5**	**1.6**	**39.4**	**3.7**	**S**	**S**	**20.7**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**11.1**	**–**	**13.7**	**–**	**20.7**	**–**	**8.1**
Single modes	**13.9**	**4.5**	**15.6**	**3.1**	**28.5**	**4.8**	**21.3**
Truck	14.2	4.7	15.6	3.1	28.8	5.2	24.8
For-hire truck	20.4	4.7	21.9	4.9	35.2	5.8	6.7
Private truck	13.5	2.7	23.2	6.1	18.5	2.4	36.1
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.4	.7	34.6	.2	39.3	.6	7.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.3**	**4.6**	**14.3**	**2.7**	**15.6**	**4.8**	**6.2**
Parcel, U.S. Postal Service or courier	21.3	4.6	14.3	2.7	15.6	4.8	6.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**31.7**	**.9**	**S**	**S**	**35.8**	**.3**	**S**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**7.9**	**–**	**8.7**	**–**	**18.3**	**–**	**25.0**
Single modes	**7.9**	**1.1**	**8.7**	**.5**	**18.5**	**2.4**	**12.9**
Truck	7.9	1.6	9.1	1.6	10.0	4.8	7.5
For-hire truck	14.6	2.8	14.6	2.0	15.7	2.7	26.0
Private truck	7.8	2.8	10.2	2.7	9.8	4.1	6.1
Rail	16.6	.6	24.6	1.3	36.6	4.1	6.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	37.5	.6	42.9	–	S	S	12.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**22.4**	**.8**	**41.0**	**.3**	**27.3**	**.9**	**10.5**
Parcel, U.S. Postal Service or courier	28.8	.7	S	S	S	S	11.1
Truck and rail	30.6	.3	45.4	.3	31.6	.9	S
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	**32.4**	**.8**	**44.4**	**.5**	**S**	**S**	**21.9**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**13.7**	**–**	**8.1**	**–**	**15.7**	**–**	**13.8**
Single modes	**14.7**	**1.3**	**8.5**	**.8**	**16.9**	**1.8**	**12.9**
Truck	12.3	4.2	7.2	4.2	13.3	6.0	14.6
For-hire truck	15.1	4.1	10.6	4.5	14.5	5.9	7.6
Private truck	13.2	2.0	12.3	2.7	19.2	.7	13.7
Rail	26.9	4.1	19.8	4.0	25.9	6.3	9.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	33.5	.2	S	S	S	S	9.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**29.8**	**.9**	**33.2**	**.5**	**40.0**	**1.2**	**8.2**
Parcel, U.S. Postal Service or courier	39.3	.8	25.9	–	31.6	–	8.2
Truck and rail	42.0	.4	36.9	.5	43.3	1.1	20.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.6**	**.8**	**26.1**	**.7**	**41.7**	**1.5**	**34.9**
SCTG 33, ARTICLES OF BASE METAL							
Total	**9.1**	**–**	**16.8**	**–**	**20.5**	**–**	**15.8**
Single modes	**10.9**	**2.8**	**17.2**	**2.7**	**21.7**	**4.5**	**17.5**
Truck	10.4	3.0	14.8	3.5	16.4	5.4	15.3
For-hire truck	11.2	2.4	15.6	2.4	16.9	4.3	7.5
Private truck	12.4	3.0	16.6	3.5	15.2	1.3	10.3
Rail	S	S	48.0	2.8	S	S	20.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	46.9	.8	S	S	S	S	9.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**17.0**	**2.6**	**20.3**	**.4**	**31.8**	**1.4**	**7.3**
Parcel, U.S. Postal Service or courier	18.1	2.7	13.4	.2	16.7	.7	7.3
Truck and rail	S	S	S	S	S	S	19.8
Truck and water	S	S	S	S	S	S	18.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**18.0**	**1.2**	**25.7**	**2.7**	**37.4**	**4.5**	**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 34, MACHINERY							
Total	**8.8**	**–**	**11.2**	**–**	**21.1**	**–**	**12.2**
Single modes	**10.1**	**2.2**	**12.6**	**2.6**	**22.7**	**2.8**	**19.3**
Truck	11.1	2.8	12.7	2.6	22.9	3.2	22.0
For-hire truck	17.7	4.4	20.1	5.4	24.9	4.6	9.5
Private truck	10.5	3.2	13.9	4.4	16.1	2.7	21.1
Rail	S	S	S	S	S	S	21.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	26.2	1.3	15.1	.1	17.7	1.0	6.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**11.4**	**1.3**	**15.7**	**.7**	**46.3**	**2.0**	**10.1**
Parcel, U.S. Postal Service or courier	11.6	1.3	10.4	.6	13.9	1.6	10.2
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.6**	**1.5**	**23.6**	**2.5**	**39.9**	**2.0**	**25.0**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**13.5**	**–**	**17.2**	**–**	**19.3**	**–**	**9.3**
Single modes	**17.2**	**4.3**	**18.1**	**2.7**	**18.5**	**4.5**	**18.9**
Truck	17.1	3.5	18.0	2.6	17.0	3.9	28.2
For-hire truck	21.8	3.2	15.9	3.2	15.0	5.0	10.8
Private truck	15.3	1.8	30.4	4.1	S	S	24.7
Rail	42.9	–	48.9	.3	S	S	18.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	20.9	2.4	27.9	.6	31.5	1.4	3.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.8**	**4.3**	**21.4**	**2.9**	**27.9**	**4.5**	**5.7**
Parcel, U.S. Postal Service or courier	20.8	4.3	21.9	3.0	28.4	4.6	5.7
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.9**	**.6**	**22.0**	**1.1**	**30.5**	**.5**	**23.3**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**15.4**	**–**	**24.4**	**–**	**42.7**	**–**	**16.8**
Single modes	**18.1**	**3.3**	**25.9**	**3.4**	**46.1**	**5.0**	**18.4**
Truck	18.6	3.2	26.3	3.5	46.9	5.2	15.1
For-hire truck	24.1	5.6	35.9	5.1	49.6	6.7	13.6
Private truck	8.8	3.7	14.3	3.7	17.5	2.6	18.0
Rail	S	S	S	S	S	S	28.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	28.4	1.0	29.1	.5	30.0	1.6	8.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.7**	**2.6**	**18.5**	**1.3**	**27.7**	**2.6**	**11.6**
Parcel, U.S. Postal Service or courier	23.3	2.6	20.1	1.2	29.3	2.6	11.6
Truck and rail	S	S	S	S	S	S	27.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**23.0**	**1.8**	**27.4**	**2.8**	**33.8**	**3.2**	**23.0**

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 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**21.6**	**–**	**S**	**S**	**46.3**	**–**	**23.3**
Single modes	**21.5**	**2.9**	**S**	**S**	**48.6**	**3.1**	**10.4**
Truck	25.2	4.3	S	S	36.2	6.9	15.3
For-hire truck	23.9	4.2	S	S	36.6	6.9	14.9
Private truck	S	S	S	S	S	S	S
Rail	20.7	5.1	S	S	S	S	21.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	30.6	3.5	30.3	3.2	30.7	3.1	9.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**28.8**	**2.9**	**S**	**S**	**40.2**	**3.0**	**28.4**
Parcel, U.S. Postal Service or courier	28.8	2.9	S	S	40.2	3.0	28.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**37.9**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**13.4**	**–**	**16.5**	**–**	**21.3**	**–**	**6.7**
Single modes	**14.6**	**3.9**	**21.1**	**4.8**	**28.5**	**5.6**	**15.6**
Truck	12.1	4.1	22.6	5.6	31.1	6.8	42.5
For-hire truck	15.7	3.3	25.3	5.3	28.9	6.2	12.8
Private truck	18.7	2.4	26.3	3.6	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	25.7	3.2	21.3	1.6	23.3	2.6	4.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.4**	**3.8**	**17.9**	**4.9**	**18.0**	**5.8**	**6.1**
Parcel, U.S. Postal Service or courier	16.4	3.8	17.9	4.9	18.0	5.8	6.1
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**29.4**	**.9**	**38.6**	**.8**	**37.9**	**.6**	**44.5**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**26.4**	**–**	**21.8**	**–**	**19.6**	**–**	**14.5**
Single modes	**27.4**	**1.8**	**22.2**	**1.5**	**18.7**	**3.7**	**20.9**
Truck	27.6	1.9	22.4	1.6	19.3	4.1	22.2
For-hire truck	16.5	4.6	15.8	4.0	20.9	4.8	7.6
Private truck	37.3	4.9	29.5	4.1	18.0	3.0	17.8
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	18.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**38.7**	**1.6**	**34.6**	**1.2**	**41.3**	**3.5**	**10.6**
Parcel, U.S. Postal Service or courier	41.3	1.6	34.5	.7	36.2	2.7	10.6
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**31.3**	**.9**	**38.9**	**.9**	**S**	**S**	**S**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**12.3**	**–**	**33.0**	**–**	**21.0**	**–**	**6.5**
Single modes	**16.8**	**3.7**	**35.4**	**2.4**	**25.8**	**4.7**	**13.0**
Truck	17.2	3.9	35.7	2.5	26.5	4.8	15.6
For-hire truck	11.9	3.6	19.8	5.4	10.9	5.7	8.3
Private truck	36.0	3.8	S	S	S	S	29.6
Rail	S	S	S	S	S	S	28.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	49.2	1.8	41.3	.2	S	S	4.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.7**	**3.7**	**34.4**	**2.3**	**37.1**	**4.6**	**4.7**
Parcel, U.S. Postal Service or courier	16.9	3.8	37.8	2.3	43.2	4.6	4.7
Truck and rail	47.6	.2	49.0	.3	S	S	18.9
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**24.0**	**.8**	**24.7**	**.4**	**30.6**	**.5**	**S**
SCTG 41, WASTE AND SCRAP							
Total	**28.3**	**–**	**47.6**	**–**	**45.3**	**–**	**21.6**
Single modes	**30.3**	**4.8**	**48.3**	**3.2**	**47.1**	**6.3**	**21.0**
Truck	37.3	6.1	42.6	5.3	27.3	5.8	25.7
For-hire truck	38.9	6.3	48.9	5.2	28.4	5.1	24.2
Private truck	31.8	1.7	32.4	4.1	40.6	1.3	48.7
Rail	33.1	6.7	S	S	S	S	34.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**16.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	S	S	S	S	S	S	15.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**45.2**	**.5**	**43.6**	**.2**	**43.4**	**.2**	**21.3**
SCTG 43, MIXED FREIGHT							
Total	**11.3**	**–**	**12.6**	**–**	**19.6**	**–**	**23.3**
Single modes	**11.1**	**.7**	**12.6**	**.5**	**20.0**	**1.0**	**13.5**
Truck	11.2	.6	12.6	.5	20.0	1.0	13.5
For-hire truck	48.5	1.5	45.4	1.4	S	S	S
Private truck	11.3	1.7	11.9	1.5	19.0	5.3	16.6
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**49.5**	**.8**	**19.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	49.5	.8	19.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.1**	**.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	
COMMODITY UNKNOWN							
Total	**22.2**	**–**	**46.3**	**–**	**S**	**S**	**12.2**
Single modes	**24.9**	**6.6**	**46.7**	**5.4**	**S**	**S**	**29.5**
Truck	28.0	7.4	49.6	6.8	39.8	11.4	22.7
For-hire truck	28.2	6.9	45.7	7.7	49.5	10.1	15.3
Private truck	43.6	7.3	S	S	42.2	6.7	27.4
Rail	S	S	S	S	S	S	21.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	39.9	–	39.7	.1	17.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**37.3**	**6.0**	**38.9**	**3.5**	**43.1**	**5.1**	**11.7**
Parcel, U.S. Postal Service or courier	37.3	6.0	38.9	3.5	43.1	5.1	11.7
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**49.6**	**2.6**	**S**	**S**	**26.3**

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

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

Table B–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	**3.5**	**5.2**	**11.3**
Less than 50 miles	3.0	8.2	9.5
50 to 99 miles	7.2	8.4	11.3
100 to 249 miles	6.4	8.9	8.4
250 to 499 miles	8.2	6.6	5.9
500 to 749 miles	6.2	11.6	12.2
750 to 999 miles	6.1	18.3	17.5
1,000 to 1,499 miles	7.1	16.1	16.4
1,500 to 1,999 miles	6.9	20.1	21.7
2,000 miles or more	20.3	14.8	14.9
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	–	–	–
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	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**13.5**	**13.9**	**21.0**
Less than 50 miles	22.3	23.1	25.1
50 to 99 miles	31.8	31.4	31.1
100 to 249 miles	31.0	30.3	32.9
250 to 499 miles	31.5	36.8	38.8
500 to 749 miles	31.5	29.9	30.9
750 to 999 miles	38.0	38.5	39.2
1,000 to 1,499 miles	45.3	45.2	41.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**21.7**	**30.6**	**36.2**
Less than 50 miles	21.6	26.4	22.3
50 to 99 miles	32.9	28.6	29.1
100 to 249 miles	29.4	25.9	28.3
250 to 499 miles	37.3	S	S
500 to 749 miles	27.2	38.3	38.9
750 to 999 miles	49.7	S	S
1,000 to 1,499 miles	36.3	39.2	40.1
1,500 to 1,999 miles	47.5	S	S
2,000 miles or more	28.1	49.5	49.7
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.1**	**17.6**	**17.4**
Less than 50 miles	31.6	23.8	27.9
50 to 99 miles	34.5	34.9	33.9
100 to 249 miles	31.1	33.0	34.8
250 to 499 miles	20.8	36.1	31.4
500 to 749 miles	32.8	25.5	23.6
750 to 999 miles	26.0	27.9	27.2
1,000 to 1,499 miles	36.3	28.7	28.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	43.2	41.9
SCTG 05, Meat, fish, seafood, and their preparations	**11.5**	**11.7**	**16.2**
Less than 50 miles	14.4	10.8	13.4
50 to 99 miles	19.6	20.2	21.5
100 to 249 miles	28.1	31.5	35.0
250 to 499 miles	29.3	23.6	23.7
500 to 749 miles	19.9	17.3	17.7
750 to 999 miles	22.9	20.7	21.1
1,000 to 1,499 miles	25.3	24.7	23.9
1,500 to 1,999 miles	26.4	27.7	28.9
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**13.7**	**15.6**	**22.1**
Less than 50 miles	29.8	23.6	26.3
50 to 99 miles	24.1	24.9	23.2
100 to 249 miles	28.2	30.4	28.4
250 to 499 miles	21.2	19.1	19.6
500 to 749 miles	30.7	28.4	27.8
750 to 999 miles	32.3	43.6	45.6
1,000 to 1,499 miles	48.5	43.1	42.7
1,500 to 1,999 miles	43.8	40.8	41.6
2,000 miles or more	44.1	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**8.0**	**12.2**	**8.3**
Less than 50 miles	11.7	18.2	18.7
50 to 99 miles	10.7	20.8	22.2
100 to 249 miles	20.8	17.7	18.3
250 to 499 miles	15.3	10.4	10.9
500 to 749 miles	16.4	16.3	15.9
750 to 999 miles	28.9	15.4	15.7
1,000 to 1,499 miles	17.9	15.5	16.6
1,500 to 1,999 miles	16.8	15.7	16.1
2,000 miles or more	27.6	28.2	28.5

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the 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	**11.5**	**23.9**	**42.8**
Less than 50 miles	7.1	9.8	14.8
50 to 99 miles	16.0	25.3	27.2
100 to 249 miles	20.1	23.6	23.0
250 to 499 miles	40.6	34.4	34.1
500 to 749 miles	36.1	43.2	47.4
750 to 999 miles	33.7	41.9	43.0
1,000 to 1,499 miles	42.9	45.0	45.4
1,500 to 1,999 miles	43.5	S	S
2,000 miles or more	–	–	–
SCTG 09, Tobacco products	**36.1**	**36.2**	**S**
Less than 50 miles	29.0	29.5	31.0
50 to 99 miles	34.2	47.8	46.4
100 to 249 miles	32.6	33.3	33.6
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 10, Monumental or building stone	**S**	**33.3**	**32.6**
Less than 50 miles	S	38.7	36.1
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	48.3	47.9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	44.9	44.5	44.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**42.9**	**26.9**	**15.2**
Less than 50 miles	S	30.3	26.0
50 to 99 miles	32.6	48.2	47.1
100 to 249 miles	34.0	42.7	40.6
250 to 499 miles	44.2	45.0	45.0
500 to 749 miles	44.8	44.4	49.8
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	37.9	37.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**25.1**	**24.9**	**27.5**
Less than 50 miles	25.8	25.4	27.7
50 to 99 miles	27.3	27.6	28.7
100 to 249 miles	46.3	S	S
250 to 499 miles	S	46.0	44.0
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	S	S	S
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**21.8**	**20.9**	**22.6**
Less than 50 miles	37.8	S	S
50 to 99 miles	28.4	32.6	32.5
100 to 249 miles	29.7	24.0	27.8
250 to 499 miles	41.7	34.3	31.2
500 to 749 miles	33.7	35.1	31.7
750 to 999 miles	34.2	22.9	22.4
1,000 to 1,499 miles	32.2	29.9	29.4
1,500 to 1,999 miles	32.8	32.2	31.7
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**15.6**	**32.3**	**23.8**
Less than 50 miles	29.2	S	29.7
50 to 99 miles	46.8	47.1	45.8
100 to 249 miles	29.7	21.3	21.2
250 to 499 miles	38.4	38.7	35.6
500 to 749 miles	S	S	S
750 to 999 miles	42.7	27.9	30.6
1,000 to 1,499 miles	36.9	S	S
1,500 to 1,999 miles	38.5	30.6	30.6
2,000 miles or more	42.9	S	S
SCTG 15, Coal	**6.3**	**10.3**	**15.3**
Less than 50 miles	16.7	16.2	19.5
50 to 99 miles	26.1	24.7	26.8
100 to 249 miles	30.4	25.3	23.2
250 to 499 miles	16.8	13.0	13.0
500 to 749 miles	16.4	15.3	15.7
750 to 999 miles	16.1	20.7	19.9
1,000 to 1,499 miles	16.3	19.9	20.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the 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	**10.6**	**10.0**	**39.8**
Less than 50 miles	14.0	14.2	15.2
50 to 99 miles	19.7	16.1	19.1
100 to 249 miles	31.7	28.4	30.1
250 to 499 miles	35.8	29.0	26.6
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	–	–	–
SCTG 18, Fuel oils	**10.8**	**11.7**	**17.4**
Less than 50 miles	14.1	14.9	13.3
50 to 99 miles	16.6	18.7	18.3
100 to 249 miles	15.5	15.9	16.0
250 to 499 miles	37.4	34.1	35.6
500 to 749 miles	46.6	47.0	47.1
750 to 999 miles	S	49.0	S
1,000 to 1,499 miles	S	46.8	43.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.5**	**30.3**	**S**
Less than 50 miles	19.6	22.8	17.5
50 to 99 miles	29.2	S	S
100 to 249 miles	20.8	25.2	24.3
250 to 499 miles	23.2	30.6	34.7
500 to 749 miles	28.2	48.2	49.9
750 to 999 miles	42.7	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 20, Basic chemicals	**12.6**	**24.2**	**24.3**
Less than 50 miles	16.9	29.7	39.3
50 to 99 miles	25.4	40.1	42.0
100 to 249 miles	19.2	25.1	27.9
250 to 499 miles	25.8	32.0	30.6
500 to 749 miles	18.9	30.7	31.2
750 to 999 miles	S	34.0	33.6
1,000 to 1,499 miles	23.8	32.8	32.2
1,500 to 1,999 miles	13.6	25.8	26.6
2,000 miles or more	37.2	S	S
SCTG 21, Pharmaceutical products	**12.5**	**22.2**	**34.0**
Less than 50 miles	23.1	38.0	41.9
50 to 99 miles	44.8	37.4	38.4
100 to 249 miles	15.5	44.5	41.7
250 to 499 miles	20.6	27.0	26.5
500 to 749 miles	34.7	S	S
750 to 999 miles	27.0	35.6	36.0
1,000 to 1,499 miles	23.8	41.0	42.6
1,500 to 1,999 miles	22.6	42.1	43.3
2,000 miles or more	32.8	40.0	39.5
SCTG 22, Fertilizers	**11.7**	**12.8**	**27.9**
Less than 50 miles	24.7	25.2	22.5
50 to 99 miles	46.3	39.0	39.3
100 to 249 miles	23.3	21.9	23.3
250 to 499 miles	23.8	20.7	20.7
500 to 749 miles	16.7	17.8	17.8
750 to 999 miles	30.7	34.3	35.6
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.	**19.7**	**32.2**	**32.5**
Less than 50 miles	22.5	41.6	29.9
50 to 99 miles	35.1	23.7	24.8
100 to 249 miles	S	S	S
250 to 499 miles	32.1	42.5	38.9
500 to 749 miles	25.2	44.5	42.3
750 to 999 miles	30.9	32.8	31.9
1,000 to 1,499 miles	39.1	42.2	42.0
1,500 to 1,999 miles	43.1	38.3	38.1
2,000 miles or more	47.5	S	S
SCTG 24, Plastics and rubber	**6.9**	**8.4**	**10.7**
Less than 50 miles	15.4	14.1	15.5
50 to 99 miles	21.3	29.6	32.2
100 to 249 miles	13.9	17.5	18.4
250 to 499 miles	12.8	15.6	15.1
500 to 749 miles	15.3	21.0	21.0
750 to 999 miles	20.7	25.1	25.0
1,000 to 1,499 miles	19.7	15.6	15.4
1,500 to 1,999 miles	11.7	14.3	14.0
2,000 miles or more	27.0	22.7	22.4

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	**33.8**	**34.5**	**33.4**
Less than 50 miles	45.4	43.9	S
50 to 99 miles	40.9	41.1	41.3
100 to 249 miles	39.2	44.0	43.2
250 to 499 miles	28.6	44.0	46.2
500 to 749 miles	46.7	S	S
750 to 999 miles	42.4	40.5	40.9
1,000 to 1,499 miles	43.8	42.5	43.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**6.7**	**5.5**	**6.3**
Less than 50 miles	14.3	12.8	10.7
50 to 99 miles	13.9	10.5	11.6
100 to 249 miles	8.3	14.8	14.4
250 to 499 miles	7.8	10.4	9.9
500 to 749 miles	9.3	12.4	11.3
750 to 999 miles	11.9	11.1	11.6
1,000 to 1,499 miles	7.3	13.5	13.2
1,500 to 1,999 miles	11.5	10.0	9.5
2,000 miles or more	15.6	13.3	13.2
SCTG 27, Pulp, newsprint, paper, and paperboard	**13.5**	**18.3**	**29.2**
Less than 50 miles	18.3	16.5	16.6
50 to 99 miles	35.6	33.9	30.8
100 to 249 miles	20.2	32.8	36.3
250 to 499 miles	25.2	24.9	25.6
500 to 749 miles	31.9	27.0	27.8
750 to 999 miles	39.9	40.6	44.1
1,000 to 1,499 miles	24.7	33.1	30.6
1,500 to 1,999 miles	38.0	35.8	36.5
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**10.1**	**11.5**	**23.0**
Less than 50 miles	10.8	14.4	16.7
50 to 99 miles	16.4	19.0	19.7
100 to 249 miles	13.3	16.0	16.2
250 to 499 miles	24.9	25.1	26.3
500 to 749 miles	31.1	28.6	28.0
750 to 999 miles	29.8	43.9	S
1,000 to 1,499 miles	22.5	31.4	31.5
1,500 to 1,999 miles	33.3	26.9	28.1
2,000 miles or more	S	S	S
SCTG 29, Printed products	**8.9**	**15.1**	**13.9**
Less than 50 miles	11.1	18.7	30.9
50 to 99 miles	18.4	37.8	35.9
100 to 249 miles	12.4	23.8	20.0
250 to 499 miles	20.7	33.9	34.8
500 to 749 miles	27.9	23.7	26.8
750 to 999 miles	25.2	40.6	43.5
1,000 to 1,499 miles	17.7	21.2	19.7
1,500 to 1,999 miles	21.3	23.6	21.5
2,000 miles or more	22.4	30.1	31.9
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.1**	**13.7**	**20.7**
Less than 50 miles	13.5	25.9	25.6
50 to 99 miles	26.1	34.6	31.0
100 to 249 miles	21.7	22.1	23.2
250 to 499 miles	19.4	19.3	17.6
500 to 749 miles	12.7	21.7	23.8
750 to 999 miles	14.4	23.3	22.9
1,000 to 1,499 miles	21.7	19.2	18.9
1,500 to 1,999 miles	15.9	19.9	20.9
2,000 miles or more	37.2	S	S
SCTG 31, Nonmetallic mineral products	**7.9**	**8.7**	**18.3**
Less than 50 miles	8.7	9.9	9.7
50 to 99 miles	11.5	15.3	14.8
100 to 249 miles	14.3	14.3	14.5
250 to 499 miles	12.9	20.5	21.0
500 to 749 miles	19.4	24.4	25.8
750 to 999 miles	27.9	23.0	24.2
1,000 to 1,499 miles	20.3	46.9	48.8
1,500 to 1,999 miles	22.0	29.4	29.8
2,000 miles or more	35.1	33.8	33.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13.7**	**8.1**	**15.7**
Less than 50 miles	17.7	9.9	13.7
50 to 99 miles	17.3	21.4	20.3
100 to 249 miles	16.3	13.4	13.2
250 to 499 miles	24.0	14.8	16.0
500 to 749 miles	24.5	17.1	18.7
750 to 999 miles	19.2	27.1	26.0
1,000 to 1,499 miles	16.2	14.4	14.8
1,500 to 1,999 miles	17.1	22.5	23.1
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 33, Articles of base metal	**9.1**	**16.8**	**20.5**
Less than 50 miles	12.5	20.5	21.5
50 to 99 miles	21.5	24.6	21.6
100 to 249 miles	11.8	30.0	24.4
250 to 499 miles	12.1	16.7	16.9
500 to 749 miles	23.5	31.1	32.1
750 to 999 miles	15.8	31.9	32.3
1,000 to 1,499 miles	13.2	16.8	16.0
1,500 to 1,999 miles	18.9	22.6	23.1
2,000 miles or more	32.3	S	S
SCTG 34, Machinery	**8.8**	**11.2**	**21.1**
Less than 50 miles	11.3	14.9	25.8
50 to 99 miles	28.4	39.7	S
100 to 249 miles	13.6	22.1	21.0
250 to 499 miles	16.6	23.0	22.6
500 to 749 miles	23.7	33.7	33.7
750 to 999 miles	22.5	26.4	26.1
1,000 to 1,499 miles	17.2	43.1	39.3
1,500 to 1,999 miles	22.0	48.2	47.1
2,000 miles or more	35.4	40.4	43.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	**13.5**	**17.2**	**19.3**
Less than 50 miles	11.9	14.4	15.2
50 to 99 miles	21.2	46.6	37.7
100 to 249 miles	14.5	21.7	24.0
250 to 499 miles	18.8	45.8	46.9
500 to 749 miles	21.7	32.7	29.5
750 to 999 miles	16.1	13.3	12.5
1,000 to 1,499 miles	22.0	22.0	22.0
1,500 to 1,999 miles	15.6	18.5	19.0
2,000 miles or more	31.0	35.2	35.4
SCTG 36, Motorized and other vehicles (including parts)	**15.4**	**24.4**	**42.7**
Less than 50 miles	7.8	14.0	18.0
50 to 99 miles	16.8	26.4	25.0
100 to 249 miles	11.0	10.5	9.4
250 to 499 miles	18.1	10.2	10.8
500 to 749 miles	33.0	44.0	45.5
750 to 999 miles	S	45.2	44.1
1,000 to 1,499 miles	41.0	S	S
1,500 to 1,999 miles	30.7	42.5	42.3
2,000 miles or more	S	42.1	41.3
SCTG 37, Transportation equipment, n.e.c.	**21.6**	**S**	**46.3**
Less than 50 miles	49.7	S	S
50 to 99 miles	49.6	S	S
100 to 249 miles	38.8	S	S
250 to 499 miles	45.2	31.5	31.6
500 to 749 miles	19.0	S	S
750 to 999 miles	25.3	39.4	36.9
1,000 to 1,499 miles	42.7	S	S
1,500 to 1,999 miles	20.2	38.3	39.1
2,000 miles or more	31.1	35.9	35.8
SCTG 38, Precision instruments and apparatus	**13.4**	**16.5**	**21.3**
Less than 50 miles	18.9	20.8	22.5
50 to 99 miles	39.3	27.9	27.1
100 to 249 miles	29.1	34.2	34.3
250 to 499 miles	15.7	30.2	29.4
500 to 749 miles	16.7	29.7	29.6
750 to 999 miles	22.8	34.9	34.4
1,000 to 1,499 miles	20.4	15.4	15.3
1,500 to 1,999 miles	19.1	21.1	21.6
2,000 miles or more	26.7	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**26.4**	**21.8**	**19.6**
Less than 50 miles	36.9	32.1	43.1
50 to 99 miles	34.1	29.9	29.9
100 to 249 miles	25.6	22.9	24.6
250 to 499 miles	16.7	13.5	13.0
500 to 749 miles	24.9	20.2	20.6
750 to 999 miles	23.6	20.5	20.9
1,000 to 1,499 miles	27.1	27.5	28.0
1,500 to 1,999 miles	17.2	20.6	21.0
2,000 miles or more	41.2	45.5	46.0
SCTG 40, Miscellaneous manufactured products	**12.3**	**33.0**	**21.0**
Less than 50 miles	12.3	27.6	33.4
50 to 99 miles	43.5	S	S
100 to 249 miles	29.3	S	49.7
250 to 499 miles	25.8	46.2	46.4
500 to 749 miles	16.3	25.3	25.1
750 to 999 miles	19.5	22.0	21.9
1,000 to 1,499 miles	17.8	24.0	23.1
1,500 to 1,999 miles	18.9	17.8	17.9
2,000 miles or more	29.5	19.8	21.6

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	**28.3**	**47.6**	**45.3**
Less than 50 miles	43.0	S	30.5
50 to 99 miles	43.7	S	S
100 to 249 miles	S	48.3	49.7
250 to 499 miles	35.7	S	S
500 to 749 miles	32.4	39.4	42.4
750 to 999 miles	S	38.1	39.0
1,000 to 1,499 miles	36.0	27.8	29.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**11.3**	**12.6**	**19.6**
Less than 50 miles	13.1	13.4	13.8
50 to 99 miles	13.2	18.6	16.7
100 to 249 miles	16.2	15.9	16.3
250 to 499 miles	17.1	18.1	17.8
500 to 749 miles	44.8	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
Commodity unknown	**22.2**	**46.3**	**S**
Less than 50 miles	28.6	S	S
50 to 99 miles	43.7	31.8	35.9
100 to 249 miles	25.6	S	S
250 to 499 miles	43.7	S	48.3
500 to 749 miles	42.1	49.2	S
750 to 999 miles	37.9	S	S
1,000 to 1,499 miles	38.8	S	S
1,500 to 1,999 miles	34.5	S	S
2,000 miles or more	49.4	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	**3.5**	**5.2**	**11.3**
Less than 50 lb	9.1	22.1	8.7
50 to 99 lb	10.4	7.9	16.6
100 to 499 lb	7.8	4.3	7.2
500 to 749 lb	10.1	4.4	12.9
750 to 999 lb	12.3	6.8	9.1
1,000 to 9,999 lb	4.1	5.5	6.6
10,000 to 49,999 lb	4.7	8.3	5.6
50,000 to 99,999 lb	12.1	10.2	11.6
100,000 lb or more	8.0	8.5	13.0
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	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
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**13.5**	**13.9**	**21.0**
Less than 50 lb	S	S	S
50 to 99 lb	46.2	S	49.7
100 to 499 lb	35.9	40.4	S
500 to 749 lb	S	S	46.4
750 to 999 lb	S	S	S
1,000 to 9,999 lb	37.7	40.1	S
10,000 to 49,999 lb	26.2	27.1	28.8
50,000 to 99,999 lb	22.6	23.6	30.7
100,000 lb or more	20.4	20.0	23.5
SCTG 03, Other agricultural products	**21.7**	**30.6**	**36.2**
Less than 50 lb	29.9	31.5	41.5
50 to 99 lb	32.4	30.3	35.6
100 to 499 lb	23.6	30.1	34.9
500 to 749 lb	26.5	29.3	37.8
750 to 999 lb	27.1	29.6	S
1,000 to 9,999 lb	26.3	39.2	S
10,000 to 49,999 lb	28.3	35.2	37.5
50,000 to 99,999 lb	29.9	34.3	47.9
100,000 lb or more	46.3	48.5	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.1**	**17.6**	**17.4**
Less than 50 lb	S	49.6	S
50 to 99 lb	S	S	S
100 to 499 lb	S	46.3	S
500 to 749 lb	S	S	49.2
750 to 999 lb	42.8	43.7	28.8
1,000 to 9,999 lb	32.5	25.4	42.4
10,000 to 49,999 lb	20.5	19.6	22.8
50,000 to 99,999 lb	37.0	35.3	35.4
100,000 lb or more	36.7	33.3	30.3
SCTG 05, Meat, fish, seafood, and their preparations	**11.5**	**11.7**	**16.2**
Less than 50 lb	49.1	44.8	S
50 to 99 lb	37.9	34.2	40.3
100 to 499 lb	30.6	26.4	26.0
500 to 749 lb	19.3	17.9	25.5
750 to 999 lb	29.3	27.1	34.0
1,000 to 9,999 lb	11.8	13.1	15.3
10,000 to 49,999 lb	15.0	14.8	17.1
50,000 to 99,999 lb	40.0	38.8	S
100,000 lb or more	45.8	49.1	S
SCTG 06, Milled grain products and preparations, and bakery products	**13.7**	**15.6**	**22.1**
Less than 50 lb	36.9	27.6	S
50 to 99 lb	33.1	28.4	S
100 to 499 lb	S	33.3	32.1
500 to 749 lb	S	34.0	29.7
750 to 999 lb	29.8	25.9	34.7
1,000 to 9,999 lb	21.6	24.5	28.4
10,000 to 49,999 lb	18.7	22.6	27.0
50,000 to 99,999 lb	46.2	46.3	38.4
100,000 lb or more	32.4	35.0	35.5
SCTG 07, Other prepared foodstuffs and fats and oils	**8.0**	**12.2**	**8.3**
Less than 50 lb	S	S	S
50 to 99 lb	25.9	26.1	18.0
100 to 499 lb	16.5	20.3	21.4
500 to 749 lb	24.8	27.4	39.3
750 to 999 lb	34.7	29.4	38.1
1,000 to 9,999 lb	17.2	19.4	35.5
10,000 to 49,999 lb	11.3	16.4	10.2
50,000 to 99,999 lb	27.5	33.8	23.0
100,000 lb or more	21.5	20.2	19.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**11.5**	**23.9**	**42.8**
Less than 50 lb	17.1	13.7	16.7
50 to 99 lb	11.5	8.2	9.9
100 to 499 lb	12.9	7.3	11.5
500 to 749 lb	10.5	8.1	11.8
750 to 999 lb	14.3	9.7	17.3
1,000 to 9,999 lb	13.8	13.3	27.6
10,000 to 49,999 lb	18.9	19.6	28.9
50,000 to 99,999 lb	42.2	45.4	S
100,000 lb or more	40.5	45.8	48.4
SCTG 09, Tobacco products	**36.1**	**36.2**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	30.1	23.7	S
100 to 499 lb	25.2	23.9	41.9
500 to 749 lb	49.5	36.0	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	33.1	45.4	44.3
10,000 to 49,999 lb	–	–	–
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**S**	**33.3**	**32.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	44.3
500 to 749 lb	S	46.1	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.2	31.1	35.9
10,000 to 49,999 lb	S	36.1	38.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**42.9**	**26.9**	**15.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	35.6	S
500 to 749 lb	S	49.7	49.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	20.2	27.7	42.1
10,000 to 49,999 lb	27.8	25.4	27.2
50,000 to 99,999 lb	S	33.2	21.7
100,000 lb or more	S	49.4	31.1
SCTG 12, Gravel and crushed stone	**25.1**	**24.9**	**27.5**
Less than 50 lb	–	–	–
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	32.7	32.2	40.2
10,000 to 49,999 lb	27.8	29.0	37.0
50,000 to 99,999 lb	29.7	32.5	23.7
100,000 lb or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**21.8**	**20.9**	**22.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	44.2	38.3	39.6
500 to 749 lb	S	38.4	S
750 to 999 lb	S	40.7	S
1,000 to 9,999 lb	S	28.2	40.2
10,000 to 49,999 lb	39.7	31.0	41.2
50,000 to 99,999 lb	20.4	15.1	38.3
100,000 lb or more	27.6	32.9	23.5
SCTG 14, Metallic ores and concentrates	**15.6**	**32.3**	**23.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	48.5
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	43.1	33.9	S
10,000 to 49,999 lb	18.8	17.1	17.8
50,000 to 99,999 lb	38.8	25.7	24.3
100,000 lb or more	21.3	36.7	29.6
SCTG 15, Coal	**6.3**	**10.3**	**15.3**
Less than 50 lb	–	–	–
50 to 99 lb	–	–	–
100 to 499 lb	47.0	49.2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	32.0	34.4
10,000 to 49,999 lb	S	39.2	48.5
50,000 to 99,999 lb	29.0	34.0	42.4
100,000 lb or more	6.8	10.7	15.3

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	**10.6**	**10.0**	**39.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	45.5	37.6	37.9
500 to 749 lb	34.4	34.6	S
750 to 999 lb	37.6	44.8	S
1,000 to 9,999 lb	18.3	21.0	24.0
10,000 to 49,999 lb	20.6	17.7	36.3
50,000 to 99,999 lb	12.6	11.7	S
100,000 lb or more	29.7	28.4	45.5
SCTG 18, Fuel oils	**10.8**	**11.7**	**17.4**
Less than 50 lb	S	S	S
50 to 99 lb	44.2	28.7	42.5
100 to 499 lb	29.3	27.9	32.4
500 to 749 lb	32.4	29.5	42.5
750 to 999 lb	28.7	30.7	50.0
1,000 to 9,999 lb	27.7	26.3	25.7
10,000 to 49,999 lb	14.4	16.0	29.7
50,000 to 99,999 lb	10.1	10.5	14.1
100,000 lb or more	31.5	29.7	26.1
SCTG 19, Coal and petroleum products, n.e.c.	**12.5**	**30.3**	**S**
Less than 50 lb	31.4	28.8	33.5
50 to 99 lb	S	31.1	S
100 to 499 lb	36.9	34.4	S
500 to 749 lb	S	47.7	31.5
750 to 999 lb	37.2	S	48.7
1,000 to 9,999 lb	23.7	36.8	20.5
10,000 to 49,999 lb	14.7	16.4	18.8
50,000 to 99,999 lb	19.4	19.0	23.6
100,000 lb or more	27.2	45.0	S
SCTG 20, Basic chemicals	**12.6**	**24.2**	**24.3**
Less than 50 lb	31.7	26.3	44.8
50 to 99 lb	27.9	33.1	28.5
100 to 499 lb	21.5	33.8	42.5
500 to 749 lb	27.1	22.3	31.9
750 to 999 lb	28.8	24.6	40.6
1,000 to 9,999 lb	37.3	17.9	41.8
10,000 to 49,999 lb	20.0	26.7	18.9
50,000 to 99,999 lb	31.9	31.8	30.8
100,000 lb or more	20.7	25.7	25.3
SCTG 21, Pharmaceutical products	**12.5**	**22.2**	**34.0**
Less than 50 lb	15.7	19.1	20.7
50 to 99 lb	31.8	42.2	37.9
100 to 499 lb	28.0	33.0	32.4
500 to 749 lb	38.6	41.5	S
750 to 999 lb	41.4	S	41.0
1,000 to 9,999 lb	48.3	47.3	43.9
10,000 to 49,999 lb	34.4	49.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 22, Fertilizers	**11.7**	**12.8**	**27.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	32.8	S
100 to 499 lb	42.2	S	44.6
500 to 749 lb	30.5	26.2	34.4
750 to 999 lb	33.0	28.2	39.2
1,000 to 9,999 lb	30.0	30.3	44.1
10,000 to 49,999 lb	21.8	22.6	16.5
50,000 to 99,999 lb	19.8	17.0	19.3
100,000 lb or more	23.1	24.6	33.3
SCTG 23, Chemical products and preparations, n.e.c.	**19.7**	**32.2**	**32.5**
Less than 50 lb	17.6	19.3	28.0
50 to 99 lb	24.9	26.4	S
100 to 499 lb	25.9	24.3	17.6
500 to 749 lb	19.4	22.5	32.1
750 to 999 lb	27.2	28.1	35.3
1,000 to 9,999 lb	24.1	17.7	28.4
10,000 to 49,999 lb	32.7	38.6	36.7
50,000 to 99,999 lb	S	S	37.9
100,000 lb or more	S	37.3	40.6
SCTG 24, Plastics and rubber	**6.9**	**8.4**	**10.7**
Less than 50 lb	19.3	18.2	30.3
50 to 99 lb	12.6	21.1	24.1
100 to 499 lb	11.5	14.2	12.2
500 to 749 lb	13.0	11.9	13.9
750 to 999 lb	22.2	28.9	33.9
1,000 to 9,999 lb	7.8	15.6	13.8
10,000 to 49,999 lb	11.7	13.3	16.0
50,000 to 99,999 lb	46.8	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**33.8**	**34.5**	**33.4**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	44.3	S
500 to 749 lb	S	S	S
750 to 999 lb	S	38.3	S
1,000 to 9,999 lb	42.5	37.5	42.8
10,000 to 49,999 lb	34.1	37.7	31.4
50,000 to 99,999 lb	38.5	35.6	36.2
100,000 lb or more	33.8	43.7	45.3
SCTG 26, Wood products	**6.7**	**5.5**	**6.3**
Less than 50 lb	21.4	20.3	39.6
50 to 99 lb	32.7	22.7	34.0
100 to 499 lb	25.5	21.0	S
500 to 749 lb	32.2	27.4	S
750 to 999 lb	26.0	21.2	30.9
1,000 to 9,999 lb	18.4	15.0	12.0
10,000 to 49,999 lb	3.7	6.7	12.8
50,000 to 99,999 lb	10.4	13.3	13.8
100,000 lb or more	7.2	7.6	7.0
SCTG 27, Pulp, newsprint, paper, and paperboard	**13.5**	**18.3**	**29.2**
Less than 50 lb	22.2	22.2	35.1
50 to 99 lb	19.9	19.3	48.2
100 to 499 lb	26.2	21.3	28.1
500 to 749 lb	25.6	23.2	37.2
750 to 999 lb	23.0	20.8	27.3
1,000 to 9,999 lb	20.4	18.5	26.4
10,000 to 49,999 lb	22.2	22.1	28.2
50,000 to 99,999 lb	34.7	32.8	40.8
100,000 lb or more	37.4	40.9	41.9
SCTG 28, Paper or paperboard articles	**10.1**	**11.5**	**23.0**
Less than 50 lb	24.9	17.0	39.8
50 to 99 lb	15.5	15.6	48.8
100 to 499 lb	12.7	13.7	19.0
500 to 749 lb	18.1	22.5	29.6
750 to 999 lb	17.4	20.9	24.4
1,000 to 9,999 lb	12.2	13.9	24.6
10,000 to 49,999 lb	22.2	16.2	21.1
50,000 to 99,999 lb	41.6	39.1	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**8.9**	**15.1**	**13.9**
Less than 50 lb	20.5	23.9	25.2
50 to 99 lb	20.6	34.1	33.3
100 to 499 lb	14.8	19.4	23.7
500 to 749 lb	40.7	49.6	31.1
750 to 999 lb	31.2	29.5	23.7
1,000 to 9,999 lb	16.0	21.7	19.3
10,000 to 49,999 lb	16.7	25.1	37.4
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	**11.1**	**13.7**	**20.7**
Less than 50 lb	23.1	14.1	19.1
50 to 99 lb	11.5	11.6	10.5
100 to 499 lb	11.2	12.1	15.2
500 to 749 lb	17.5	13.0	20.3
750 to 999 lb	26.4	21.1	24.8
1,000 to 9,999 lb	17.6	15.0	29.9
10,000 to 49,999 lb	24.2	29.0	43.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**7.9**	**8.7**	**18.3**
Less than 50 lb	19.5	36.9	25.4
50 to 99 lb	16.3	22.2	31.3
100 to 499 lb	18.7	30.4	S
500 to 749 lb	23.1	22.4	42.0
750 to 999 lb	17.1	15.7	34.7
1,000 to 9,999 lb	25.0	14.1	49.0
10,000 to 49,999 lb	8.4	9.3	14.1
50,000 to 99,999 lb	13.3	15.3	17.0
100,000 lb or more	19.6	19.6	35.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13.7**	**8.1**	**15.7**
Less than 50 lb	20.8	17.8	25.1
50 to 99 lb	21.9	24.6	26.0
100 to 499 lb	21.2	16.3	17.9
500 to 749 lb	15.2	14.3	28.7
750 to 999 lb	17.2	21.6	30.9
1,000 to 9,999 lb	23.6	9.9	18.4
10,000 to 49,999 lb	14.4	9.0	14.3
50,000 to 99,999 lb	20.4	16.5	20.1
100,000 lb or more	26.6	18.1	24.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**9.1**	**16.8**	**20.5**
Less than 50 lb	12.8	14.9	15.2
50 to 99 lb	16.9	22.1	36.3
100 to 499 lb	13.7	16.6	10.0
500 to 749 lb	14.3	16.6	15.7
750 to 999 lb	16.5	19.1	16.0
1,000 to 9,999 lb	13.8	12.9	14.1
10,000 to 49,999 lb	13.7	19.3	23.7
50,000 to 99,999 lb	43.3	37.0	44.2
100,000 lb or more	46.0	45.7	S
SCTG 34, Machinery	**8.8**	**11.2**	**21.1**
Less than 50 lb	15.3	10.3	7.3
50 to 99 lb	11.3	7.8	10.9
100 to 499 lb	10.5	12.1	19.2
500 to 749 lb	27.5	24.1	43.7
750 to 999 lb	19.5	21.2	34.8
1,000 to 9,999 lb	13.2	15.5	24.2
10,000 to 49,999 lb	22.3	17.6	25.3
50,000 to 99,999 lb	47.5	44.9	S
100,000 lb or more	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**13.5**	**17.2**	**19.3**
Less than 50 lb	18.6	15.7	28.9
50 to 99 lb	20.8	16.2	39.0
100 to 499 lb	15.7	10.9	21.6
500 to 749 lb	33.0	21.0	42.8
750 to 999 lb	23.0	22.0	40.8
1,000 to 9,999 lb	28.7	28.7	32.6
10,000 to 49,999 lb	26.5	22.7	16.1
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**15.4**	**24.4**	**42.7**
Less than 50 lb	15.1	12.6	25.3
50 to 99 lb	19.8	17.6	28.0
100 to 499 lb	14.3	9.8	14.0
500 to 749 lb	22.2	32.9	26.6
750 to 999 lb	S	20.7	25.0
1,000 to 9,999 lb	16.3	16.1	35.0
10,000 to 49,999 lb	29.1	37.4	49.5
50,000 to 99,999 lb	46.8	42.6	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**21.6**	**S**	**46.3**
Less than 50 lb	29.9	47.8	24.7
50 to 99 lb	23.8	S	39.0
100 to 499 lb	45.8	32.6	28.4
500 to 749 lb	S	33.6	S
750 to 999 lb	44.0	S	S
1,000 to 9,999 lb	S	30.9	31.9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	23.4	S	S
SCTG 38, Precision instruments and apparatus	**13.4**	**16.5**	**21.3**
Less than 50 lb	13.8	10.2	11.9
50 to 99 lb	29.8	37.8	45.3
100 to 499 lb	27.0	23.3	21.2
500 to 749 lb	26.5	28.8	29.5
750 to 999 lb	32.7	S	34.7
1,000 to 9,999 lb	18.5	37.2	42.7
10,000 to 49,999 lb	48.5	45.9	49.7
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**26.4**	**21.8**	**19.6**
Less than 50 lb	34.4	28.8	42.3
50 to 99 lb	30.3	28.8	33.2
100 to 499 lb	47.9	44.9	24.8
500 to 749 lb	46.7	S	23.4
750 to 999 lb	39.3	41.3	41.8
1,000 to 9,999 lb	14.8	15.2	19.4
10,000 to 49,999 lb	16.6	15.5	26.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**12.3**	**33.0**	**21.0**
Less than 50 lb	10.4	14.1	21.8
50 to 99 lb	20.7	36.7	S
100 to 499 lb	23.7	16.9	32.6
500 to 749 lb	36.8	17.8	31.7
750 to 999 lb	30.0	13.8	14.5
1,000 to 9,999 lb	12.6	13.7	11.4
10,000 to 49,999 lb	18.6	21.5	18.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	41.9	S	S

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**28.3**	**47.6**	**45.3**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	49.2	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.0	38.7	43.5
10,000 to 49,999 lb	34.8	23.2	22.5
50,000 to 99,999 lb	34.5	S	41.8
100,000 lb or more	34.4	S	S
SCTG 43, Mixed freight	**11.3**	**12.6**	**19.6**
Less than 50 lb	37.6	30.4	S
50 to 99 lb	36.2	31.0	40.8
100 to 499 lb	17.4	18.4	16.1
500 to 749 lb	23.1	21.9	23.9
750 to 999 lb	18.6	18.7	30.9
1,000 to 9,999 lb	16.7	16.1	27.5
10,000 to 49,999 lb	19.6	22.9	35.2
50,000 to 99,999 lb	33.2	35.7	42.0
100,000 lb or more	S	S	S
Commodity unknown	**22.2**	**46.3**	**S**
Less than 50 lb	30.1	24.7	32.5
50 to 99 lb	36.7	30.1	S
100 to 499 lb	26.1	19.9	31.0
500 to 749 lb	S	47.2	42.2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39.7	30.8	42.0
10,000 to 49,999 lb	38.7	S	S
50,000 to 99,999 lb	S	S	48.9
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	**3.5**	**5.2**	**11.3**	**10.3**	**3.0**	**8.2**	**9.5**	**7.2**	**8.4**	**11.3**
Less than 50 lb	9.1	22.1	8.7	11.7	4.3	36.4	33.7	17.9	11.4	11.5
50 to 99 lb	10.4	7.9	16.6	9.3	6.4	9.0	10.7	12.9	12.1	12.0
100 to 499 lb	7.8	4.3	7.2	7.2	8.8	5.5	6.1	12.7	7.5	7.0
500 to 749 lb	10.1	4.4	12.9	12.7	14.8	6.3	9.7	9.9	7.4	7.2
750 to 999 lb	12.3	6.8	9.1	8.7	8.1	7.9	8.4	9.5	9.4	10.5
1,000 to 9,999 lb	4.1	5.5	6.6	6.4	4.6	6.3	8.0	9.1	10.5	10.7
10,000 to 49,999 lb	4.7	8.3	5.6	11.1	4.9	10.5	13.5	10.4	11.0	10.9
50,000 to 99,999 lb	12.1	10.2	11.6	13.4	11.9	15.9	16.7	16.8	15.7	15.1
100,000 lb or more	8.0	8.5	13.0	6.4	13.2	12.9	19.4	27.1	20.8	24.5
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**29.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	22.4	–	–	–	S	S	S
500 to 749 lb	S	S	S	22.4	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	22.4	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	20.8	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	20.2	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 02, Cereal grains	**13.5**	**13.9**	**21.0**	**15.5**	**22.3**	**23.1**	**25.1**	**31.8**	**31.4**	**31.1**
Less than 50 lb	S	S	S	21.2	–	–	–	S	S	S
50 to 99 lb	46.2	S	49.7	S	S	S	S	–	–	–
100 to 499 lb	35.9	40.4	S	42.1	39.8	42.5	S	–	–	–
500 to 749 lb	S	S	46.4	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.7	40.1	S	31.5	46.9	42.9	45.8	S	S	S
10,000 to 49,999 lb	26.2	27.1	28.8	31.5	31.2	32.8	38.1	49.2	39.2	38.1
50,000 to 99,999 lb	22.6	23.6	30.7	10.2	26.9	27.5	30.9	42.7	41.7	40.1
100,000 lb or more	20.4	20.0	23.5	13.3	S	S	S	S	S	S
SCTG 03, Other agricultural products	**21.7**	**30.6**	**36.2**	**23.8**	**21.6**	**26.4**	**22.3**	**32.9**	**28.6**	**29.1**
Less than 50 lb	29.9	31.5	41.5	18.6	30.2	35.3	34.3	37.5	42.5	45.1
50 to 99 lb	32.4	30.3	35.6	S	36.0	32.1	36.9	31.0	26.0	24.9
100 to 499 lb	23.6	30.1	34.9	S	32.7	37.5	41.7	25.6	26.8	26.0
500 to 749 lb	26.5	29.3	37.8	S	33.6	37.5	48.5	S	S	49.9
750 to 999 lb	27.1	29.6	S	32.2	37.7	38.5	36.0	S	S	S
1,000 to 9,999 lb	26.3	39.2	S	18.3	33.0	41.3	34.3	S	S	S
10,000 to 49,999 lb	28.3	35.2	37.5	9.8	25.6	28.6	34.8	42.7	38.3	38.6
50,000 to 99,999 lb	29.9	34.3	47.9	18.5	38.2	46.1	28.9	S	S	S
100,000 lb or more	46.3	48.5	S	18.5	S	49.5	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.1**	**17.6**	**17.4**	**S**	**31.6**	**23.8**	**27.9**	**34.5**	**34.9**	**33.9**
Less than 50 lb	S	49.6	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	46.3	S	S	49.5	46.1	S	S	S	S
500 to 749 lb	S	S	49.2	S	S	S	S	S	S	S
750 to 999 lb	42.8	43.7	28.8	S	48.8	46.2	44.1	S	S	S
1,000 to 9,999 lb	32.5	25.4	42.4	38.2	35.3	27.4	44.0	S	45.9	46.4
10,000 to 49,999 lb	20.5	19.6	22.8	26.2	34.5	26.1	31.8	36.0	38.2	37.2
50,000 to 99,999 lb	37.0	35.3	35.4	23.3	S	45.6	39.9	45.6	40.5	37.7
100,000 lb or more	36.7	33.3	30.3	15.4	36.2	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**11.5**	**11.7**	**16.2**	**29.1**	**14.4**	**10.8**	**13.4**	**19.6**	**20.2**	**21.5**
Less than 50 lb	49.1	44.8	S	42.4	49.9	46.5	S	39.2	41.9	40.9
50 to 99 lb	37.9	34.2	40.3	24.1	38.8	34.8	S	49.9	44.5	49.5
100 to 499 lb	30.6	26.4	26.0	20.2	33.2	28.3	38.5	36.9	37.9	36.4
500 to 749 lb	19.3	17.9	25.5	30.0	21.0	18.0	24.4	44.7	35.7	35.4
750 to 999 lb	29.3	27.1	34.0	19.1	35.1	29.6	39.7	S	44.1	43.9
1,000 to 9,999 lb	11.8	13.1	15.3	23.6	16.7	15.5	16.4	26.2	26.9	29.3
10,000 to 49,999 lb	15.0	14.8	17.1	6.1	18.4	19.6	22.7	39.4	39.2	39.6
50,000 to 99,999 lb	40.0	38.8	S	28.7	47.5	43.4	S	–	–	–
100,000 lb or more	45.8	49.1	S	20.9	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**13.7**	**15.6**	**22.1**	**22.1**	**29.8**	**23.6**	**26.3**	**24.1**	**24.9**	**23.2**
Less than 50 lb	36.9	27.6	S	20.5	47.0	24.0	25.8	37.3	39.8	37.9
50 to 99 lb	33.1	28.4	S	28.4	44.5	40.0	24.8	S	40.0	41.4
100 to 499 lb	S	33.3	32.1	49.2	S	42.3	41.7	42.0	36.4	37.0
500 to 749 lb	S	34.0	29.7	40.1	S	42.6	S	S	45.0	45.5
750 to 999 lb	29.8	25.9	34.7	20.3	33.6	32.6	44.1	S	47.7	47.9
1,000 to 9,999 lb	21.6	24.5	28.4	19.2	31.1	32.8	36.8	38.2	38.3	35.9
10,000 to 49,999 lb	18.7	22.6	27.0	14.1	31.7	34.5	34.7	41.1	S	S
50,000 to 99,999 lb	46.2	46.3	38.4	33.1	S	S	S	–	–	–
100,000 lb or more	32.4	35.0	35.5	20.0	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	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	**8.0**	**12.2**	**8.3**	**S**	**11.7**	**18.2**	**18.7**	**10.7**	**20.8**	**22.2**
Less than 50 lb	S	S	S	S	S	S	S	32.9	33.7	34.1
50 to 99 lb	25.9	26.1	18.0	29.3	28.2	30.1	23.8	38.1	33.5	33.8
100 to 499 lb	16.5	20.3	21.4	18.8	17.6	20.7	21.8	24.1	27.2	27.8
500 to 749 lb	24.8	27.4	39.3	31.0	25.9	25.2	22.0	29.6	29.3	30.3
750 to 999 lb	34.7	29.4	38.1	14.4	39.2	28.7	29.9	34.6	32.7	33.0
1,000 to 9,999 lb	17.2	19.4	35.5	12.3	17.3	18.1	19.1	16.5	24.3	24.3
10,000 to 49,999 lb	11.3	16.4	10.2	19.3	14.5	26.4	27.9	21.6	28.9	27.7
50,000 to 99,999 lb	27.5	33.8	23.0	S	39.7	42.6	37.2	S	S	S
100,000 lb or more	21.5	20.2	19.4	10.6	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**11.5**	**23.9**	**42.8**	**16.0**	**7.1**	**9.8**	**14.8**	**16.0**	**25.3**	**27.2**
Less than 50 lb	17.1	13.7	16.7	11.8	18.9	14.6	14.7	19.9	19.8	22.7
50 to 99 lb	11.5	8.2	9.9	7.2	13.7	9.7	10.4	23.1	17.3	16.6
100 to 499 lb	12.9	7.3	11.5	7.0	12.7	7.4	10.6	29.2	19.4	18.5
500 to 749 lb	10.5	8.1	11.8	10.4	10.2	9.4	11.6	31.1	26.3	25.9
750 to 999 lb	14.3	9.7	17.3	12.3	16.6	10.5	12.5	22.0	26.1	26.5
1,000 to 9,999 lb	13.8	13.3	27.6	10.8	11.0	13.0	18.7	20.0	24.9	31.2
10,000 to 49,999 lb	18.9	19.6	28.9	19.1	22.7	20.2	25.1	32.5	35.7	36.9
50,000 to 99,999 lb	42.2	45.4	S	20.4	S	S	S	S	S	S
100,000 lb or more	40.5	45.8	48.4	19.1	S	S	S	S	S	S
SCTG 09, Tobacco products	**36.1**	**36.2**	**S**	**17.6**	**29.0**	**29.5**	**31.0**	**34.2**	**47.8**	**46.4**
Less than 50 lb	S	S	S	18.4	33.0	31.8	S	S	S	S
50 to 99 lb	30.1	23.7	S	27.0	24.7	23.3	35.7	42.2	40.5	37.9
100 to 499 lb	25.2	23.9	41.9	41.1	37.9	33.9	32.6	28.4	25.8	26.9
500 to 749 lb	49.5	36.0	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	43.5	S	S	48.7	S	S	S
1,000 to 9,999 lb	33.1	45.4	44.3	32.9	39.5	38.7	44.7	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**33.3**	**32.6**	**S**	**S**	**38.7**	**36.1**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	S	S	S
100 to 499 lb	S	S	44.3	S	S	S	S	S	S	S
500 to 749 lb	S	46.1	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.9	S	S	S	–	–	–
1,000 to 9,999 lb	44.2	31.1	35.9	S	S	34.7	34.4	S	S	S
10,000 to 49,999 lb	S	36.1	38.7	43.1	S	S	43.8	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.4	S	S	S	–	–	–
SCTG 11, Natural sands	**42.9**	**26.9**	**15.2**	**S**	**S**	**30.3**	**26.0**	**32.6**	**48.2**	**47.1**
Less than 50 lb	S	S	S	40.9	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.8	S	S	S	–	–	–
100 to 499 lb	S	35.6	S	23.3	S	39.2	48.4	S	S	S
500 to 749 lb	S	49.7	49.8	23.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	20.2	27.7	42.1	S	20.4	23.8	25.9	S	S	S
10,000 to 49,999 lb	27.8	25.4	27.2	40.1	33.8	26.9	29.8	36.6	S	S
50,000 to 99,999 lb	S	33.2	21.7	S	S	38.8	37.1	46.5	47.8	46.6
100,000 lb or more	S	49.4	31.1	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**25.1**	**24.9**	**27.5**	**9.9**	**25.8**	**25.4**	**27.7**	**27.3**	**27.6**	**28.7**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	24.4	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.8	S	S	S	–	–	–
1,000 to 9,999 lb	32.7	32.2	40.2	12.0	33.8	32.0	42.1	S	S	S
10,000 to 49,999 lb	27.8	29.0	37.0	10.5	27.1	27.4	31.6	48.2	43.1	44.2
50,000 to 99,999 lb	29.7	32.5	23.7	19.9	32.3	34.0	29.8	36.1	46.8	42.7
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**21.8**	**20.9**	**22.6**	**16.7**	**37.8**	**S**	**S**	**28.4**	**32.6**	**32.5**
Less than 50 lb	S	S	S	44.9	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	44.2	38.3	39.6	S	S	41.4	47.9	S	S	S
500 to 749 lb	S	38.4	S	45.6	40.1	48.0	47.2	S	S	S
750 to 999 lb	S	40.7	S	41.0	S	S	S	S	S	S
1,000 to 9,999 lb	S	28.2	40.2	S	S	33.1	30.8	43.7	42.2	39.4
10,000 to 49,999 lb	39.7	31.0	41.2	13.9	24.8	31.2	31.6	46.8	S	S
50,000 to 99,999 lb	20.4	15.1	38.3	16.4	20.8	34.9	32.6	38.4	37.0	36.9
100,000 lb or more	27.6	32.9	23.5	5.3	S	S	S	S	S	S

See footnotes at end of table.

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**15.6**	**32.3**	**23.8**	**14.4**	**29.2**	**S**	**29.7**	**46.8**	**47.1**	**45.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	23.3	S	S	S	S	S	S
100 to 499 lb	S	S	48.5	41.2	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	43.1	33.9	S	21.0	44.8	37.0	S	–	–	–
10,000 to 49,999 lb	18.8	17.1	17.8	32.8	47.9	S	S	41.0	44.5	42.8
50,000 to 99,999 lb	38.8	25.7	24.3	46.5	37.6	31.3	33.9	S	S	S
100,000 lb or more	21.3	36.7	29.6	41.7	38.1	S	36.3	S	S	S
SCTG 15, Coal	**6.3**	**10.3**	**15.3**	**S**	**16.7**	**16.2**	**19.5**	**26.1**	**24.7**	**26.8**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	47.0	49.2	S	28.4	47.0	49.2	S	–	–	–
500 to 749 lb	S	S	S	22.0	S	S	S	–	–	–
750 to 999 lb	S	S	S	22.3	S	S	S	–	–	–
1,000 to 9,999 lb	S	32.0	34.4	29.6	S	32.8	32.4	S	S	S
10,000 to 49,999 lb	S	39.2	48.5	40.5	49.3	44.1	40.0	S	49.6	49.7
50,000 to 99,999 lb	29.0	34.0	42.4	23.0	31.9	30.2	37.6	S	S	S
100,000 lb or more	6.8	10.7	15.3	18.2	18.7	18.1	26.3	28.7	26.4	28.2
SCTG 17, Gasoline and aviation turbine fuel	**10.6**	**10.0**	**39.8**	**22.5**	**14.0**	**14.2**	**15.2**	**19.7**	**16.1**	**19.1**
Less than 50 lb	S	S	S	21.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	26.7	S	S	S	–	–	–
100 to 499 lb	45.5	37.6	37.9	49.3	45.6	37.7	38.7	–	–	–
500 to 749 lb	34.4	34.6	S	28.1	37.4	38.4	S	–	–	–
750 to 999 lb	37.6	44.8	S	18.3	37.9	45.3	S	S	S	S
1,000 to 9,999 lb	18.3	21.0	24.0	19.4	20.5	26.3	28.9	38.1	31.5	30.9
10,000 to 49,999 lb	20.6	17.7	36.3	26.3	17.1	14.9	13.9	23.5	20.2	24.0
50,000 to 99,999 lb	12.6	11.7	S	30.4	17.5	15.8	18.9	20.5	16.2	19.0
100,000 lb or more	29.7	28.4	45.5	18.3	36.8	37.0	40.7	S	S	S
SCTG 18, Fuel oils	**10.8**	**11.7**	**17.4**	**12.7**	**14.1**	**14.9**	**13.3**	**16.6**	**18.7**	**18.3**
Less than 50 lb	S	S	S	36.6	S	S	S	–	–	–
50 to 99 lb	44.2	28.7	42.5	28.1	47.9	36.7	44.9	S	S	S
100 to 499 lb	29.3	27.9	32.4	18.1	29.7	28.5	35.5	S	S	S
500 to 749 lb	32.4	29.5	42.5	26.2	37.7	34.6	S	S	S	S
750 to 999 lb	28.7	30.7	50.0	19.6	29.6	31.5	46.4	S	S	S
1,000 to 9,999 lb	27.7	26.3	25.7	23.2	29.8	27.5	26.6	41.5	49.2	48.7
10,000 to 49,999 lb	14.4	16.0	29.7	17.9	15.7	15.9	13.1	27.8	28.3	31.9
50,000 to 99,999 lb	10.1	10.5	14.1	13.0	14.4	16.3	15.0	28.6	28.6	27.6
100,000 lb or more	31.5	29.7	26.1	20.6	39.7	37.4	45.5	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.5**	**30.3**	**S**	**18.3**	**19.6**	**22.8**	**17.5**	**29.2**	**S**	**S**
Less than 50 lb	31.4	28.8	33.5	34.6	33.0	32.1	28.5	S	S	45.5
50 to 99 lb	S	31.1	S	18.5	S	25.8	31.9	S	S	S
100 to 499 lb	36.9	34.4	S	12.4	30.3	30.1	26.0	S	S	S
500 to 749 lb	S	47.7	31.5	29.0	S	S	47.0	S	42.0	38.8
750 to 999 lb	37.2	S	48.7	44.4	38.6	S	S	43.7	S	S
1,000 to 9,999 lb	23.7	36.8	20.5	35.5	31.0	42.8	40.9	35.8	39.4	41.1
10,000 to 49,999 lb	14.7	16.4	18.8	13.2	24.6	21.9	30.7	32.5	29.1	28.2
50,000 to 99,999 lb	19.4	19.0	23.6	18.6	26.5	30.0	27.4	37.5	35.0	38.5
100,000 lb or more	27.2	45.0	S	15.3	S	S	S	S	S	S
SCTG 20, Basic chemicals	**12.6**	**24.2**	**24.3**	**15.1**	**16.9**	**29.7**	**39.3**	**25.4**	**40.1**	**42.0**
Less than 50 lb	31.7	26.3	44.8	16.5	33.3	17.6	19.9	49.9	37.0	36.4
50 to 99 lb	27.9	33.1	28.5	S	36.6	35.9	26.9	S	S	S
100 to 499 lb	21.5	33.8	42.5	21.4	22.1	38.1	35.4	S	S	S
500 to 749 lb	27.1	22.3	31.9	35.7	28.2	23.8	21.9	S	38.4	35.7
750 to 999 lb	28.8	24.6	40.6	S	25.9	26.5	31.1	S	46.2	S
1,000 to 9,999 lb	37.3	17.9	41.8	18.5	28.9	19.8	20.2	26.8	22.2	26.2
10,000 to 49,999 lb	20.0	26.7	18.9	16.4	35.5	36.9	39.9	26.2	42.6	43.2
50,000 to 99,999 lb	31.9	31.8	30.8	35.1	30.6	40.3	41.9	47.7	48.1	S
100,000 lb or more	20.7	25.7	25.3	7.5	42.4	41.9	S	S	S	S
SCTG 21, Pharmaceutical products	**12.5**	**22.2**	**34.0**	**12.0**	**23.1**	**38.0**	**41.9**	**44.8**	**37.4**	**38.4**
Less than 50 lb	15.7	19.1	20.7	12.1	18.8	27.7	26.8	S	S	S
50 to 99 lb	31.8	42.2	37.9	26.6	S	S	49.2	39.9	33.9	40.8
100 to 499 lb	28.0	33.0	32.4	32.4	42.7	S	48.6	S	48.9	47.3
500 to 749 lb	38.6	41.5	S	21.3	S	S	S	S	S	S
750 to 999 lb	41.4	S	41.0	21.3	S	S	S	S	S	S
1,000 to 9,999 lb	48.3	47.3	43.9	40.3	S	S	S	S	49.7	S
10,000 to 49,999 lb	34.4	49.1	S	16.9	S	42.9	S	–	–	–
50,000 to 99,999 lb	S	S	S	22.4	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	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	**11.7**	**12.8**	**27.9**	**26.4**	**24.7**	**25.2**	**22.5**	**46.3**	**39.0**	**39.3**
Less than 50 lb	S	S	S	19.6	S	36.8	S	S	S	S
50 to 99 lb	S	32.8	S	S	40.8	31.4	35.8	S	S	S
100 to 499 lb	42.2	S	44.6	S	48.0	S	S	S	S	S
500 to 749 lb	30.5	26.2	34.4	23.9	24.8	27.4	29.7	S	S	S
750 to 999 lb	33.0	28.2	39.2	41.6	34.4	29.5	43.4	–	–	–
1,000 to 9,999 lb	30.0	30.3	44.1	13.0	30.6	30.5	31.3	29.7	35.9	35.0
10,000 to 49,999 lb	21.8	22.6	16.5	44.6	28.9	31.0	28.5	32.1	S	S
50,000 to 99,999 lb	19.8	17.0	19.3	10.0	32.6	30.3	28.3	47.6	41.2	40.7
100,000 lb or more	23.1	24.6	33.3	6.4	43.7	43.2	42.6	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**19.7**	**32.2**	**32.5**	**17.1**	**22.5**	**41.6**	**29.9**	**35.1**	**23.7**	**24.8**
Less than 50 lb	17.6	19.3	28.0	17.0	28.2	29.7	30.9	39.8	28.7	27.7
50 to 99 lb	24.9	26.4	S	31.6	37.2	38.4	36.5	34.4	29.1	29.1
100 to 499 lb	25.9	24.3	17.6	24.7	36.3	28.1	24.4	S	S	S
500 to 749 lb	19.4	22.5	32.1	26.5	34.3	32.0	24.4	41.7	25.5	26.6
750 to 999 lb	27.2	28.1	35.3	40.8	36.2	41.7	23.3	S	S	S
1,000 to 9,999 lb	24.1	17.7	28.4	14.9	19.4	18.4	19.2	S	49.0	S
10,000 to 49,999 lb	32.7	38.6	36.7	13.7	47.1	49.2	S	26.2	19.9	21.4
50,000 to 99,999 lb	S	S	37.9	S	S	S	34.7	40.7	40.0	40.6
100,000 lb or more	S	37.3	40.6	24.8	49.9	48.2	48.3	S	S	S
SCTG 24, Plastics and rubber	**6.9**	**8.4**	**10.7**	**12.7**	**15.4**	**14.1**	**15.5**	**21.3**	**29.6**	**32.2**
Less than 50 lb	19.3	18.2	30.3	14.1	32.7	19.6	13.2	36.4	45.3	44.7
50 to 99 lb	12.6	21.1	24.1	19.8	17.8	21.0	16.3	37.1	S	S
100 to 499 lb	11.5	14.2	12.2	21.4	18.7	19.5	18.1	14.8	15.6	16.4
500 to 749 lb	13.0	11.9	13.9	11.8	18.6	17.9	26.4	23.1	27.9	32.2
750 to 999 lb	22.2	28.9	33.9	15.1	23.9	24.5	28.6	34.5	30.9	30.9
1,000 to 9,999 lb	7.8	15.6	13.8	11.2	12.9	25.5	24.0	35.3	35.6	37.8
10,000 to 49,999 lb	11.7	13.3	16.0	7.1	23.8	19.0	23.9	49.6	S	S
50,000 to 99,999 lb	46.8	S	S	20.5	–	–	–	S	S	S
100,000 lb or more	S	S	S	21.4	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**33.8**	**34.5**	**33.4**	**S**	**45.4**	**43.9**	**S**	**40.9**	**41.1**	**41.3**
Less than 50 lb	S	S	S	24.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.0	S	S	S	–	–	–
100 to 499 lb	S	44.3	S	22.1	S	44.0	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	38.3	S	22.3	49.6	37.0	S	S	S	S
1,000 to 9,999 lb	42.5	37.5	42.8	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	37.7	31.4	S	40.3	S	S	43.8	S	S
50,000 to 99,999 lb	38.5	35.6	36.2	S	48.3	44.8	S	42.1	41.6	42.2
100,000 lb or more	33.8	43.7	45.3	20.6	S	S	S	–	–	–
SCTG 26, Wood products	**6.7**	**5.5**	**6.3**	**19.8**	**14.3**	**12.8**	**10.7**	**13.9**	**10.5**	**11.6**
Less than 50 lb	21.4	20.3	39.6	24.1	26.1	27.5	33.6	37.0	37.0	38.2
50 to 99 lb	32.7	22.7	34.0	44.0	43.8	24.6	22.4	S	40.9	41.9
100 to 499 lb	25.5	21.0	S	20.5	22.2	19.7	16.4	35.1	31.2	28.1
500 to 749 lb	32.2	27.4	S	23.6	33.8	28.9	32.9	43.3	44.0	38.0
750 to 999 lb	26.0	21.2	30.9	34.5	33.0	25.2	32.2	35.1	26.9	24.6
1,000 to 9,999 lb	18.4	15.0	12.0	20.0	21.1	18.0	9.5	29.5	19.3	19.4
10,000 to 49,999 lb	3.7	6.7	12.8	11.1	11.0	11.1	8.7	13.1	12.1	12.9
50,000 to 99,999 lb	10.4	13.3	13.8	12.3	13.4	31.0	31.9	24.5	25.0	25.6
100,000 lb or more	7.2	7.6	7.0	3.7	42.8	S	30.0	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**13.5**	**18.3**	**29.2**	**14.4**	**18.3**	**16.5**	**16.6**	**35.6**	**33.9**	**30.8**
Less than 50 lb	22.2	22.2	35.1	14.3	21.1	22.1	27.7	29.9	31.3	28.6
50 to 99 lb	19.9	19.3	48.2	15.6	18.0	14.5	22.4	31.5	31.2	31.8
100 to 499 lb	26.2	21.3	28.1	23.8	35.8	27.1	26.4	32.1	24.0	23.3
500 to 749 lb	25.6	23.2	37.2	37.8	32.5	28.0	33.1	S	49.2	S
750 to 999 lb	23.0	20.8	27.3	38.0	27.6	24.3	28.0	S	48.9	S
1,000 to 9,999 lb	20.4	18.5	26.4	19.2	13.9	18.1	19.5	37.0	34.6	35.6
10,000 to 49,999 lb	22.2	22.1	28.2	19.7	38.6	29.4	34.2	S	S	S
50,000 to 99,999 lb	34.7	32.8	40.8	19.7	S	S	S	–	–	–
100,000 lb or more	37.4	40.9	41.9	17.5	–	–	–	–	–	–
SCTG 28, Paper or paperboard articles	**10.1**	**11.5**	**23.0**	**15.7**	**10.8**	**14.4**	**16.7**	**16.4**	**19.0**	**19.7**
Less than 50 lb	24.9	17.0	39.8	15.1	21.2	18.6	16.5	27.3	20.2	22.3
50 to 99 lb	15.5	15.6	48.8	24.2	18.6	17.8	21.0	27.1	24.6	27.1
100 to 499 lb	12.7	13.7	19.0	25.6	16.5	16.6	18.6	30.5	25.7	27.0
500 to 749 lb	18.1	22.5	29.6	29.7	25.2	29.3	25.7	S	S	S
750 to 999 lb	17.4	20.9	24.4	43.8	24.4	29.9	26.3	39.5	44.7	48.6
1,000 to 9,999 lb	12.2	13.9	24.6	21.6	14.8	17.7	15.8	25.1	29.1	30.2
10,000 to 49,999 lb	22.2	16.2	21.1	11.7	22.5	22.8	26.1	24.9	24.5	24.7
50,000 to 99,999 lb	41.6	39.1	S	21.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	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 29, Printed products	**8.9**	**15.1**	**13.9**	**23.8**	**11.1**	**18.7**	**30.9**	**18.4**	**37.8**	**35.9**
Less than 50 lb	20.5	23.9	25.2	28.1	22.2	27.5	36.6	45.6	42.6	44.1
50 to 99 lb	20.6	34.1	33.3	17.9	22.0	39.3	35.5	33.6	36.3	44.4
100 to 499 lb	14.8	19.4	23.7	20.9	20.7	27.3	S	37.8	28.3	29.9
500 to 749 lb	40.7	49.6	31.1	35.4	S	S	S	S	S	S
750 to 999 lb	31.2	29.5	23.7	28.6	45.9	41.3	S	S	S	S
1,000 to 9,999 lb	16.0	21.7	19.3	26.0	16.8	25.3	42.2	29.8	41.3	44.1
10,000 to 49,999 lb	16.7	25.1	37.4	S	21.6	28.6	40.6	S	S	S
50,000 to 99,999 lb	S	S	S	22.8	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.1**	**13.7**	**20.7**	**8.1**	**13.5**	**25.9**	**25.6**	**26.1**	**34.6**	**31.0**
Less than 50 lb	23.1	14.1	19.1	8.2	27.2	38.0	38.9	36.4	28.6	31.1
50 to 99 lb	11.5	11.6	10.5	14.5	23.8	19.6	32.5	43.6	31.2	29.0
100 to 499 lb	11.2	12.1	15.2	16.9	19.4	22.3	22.4	28.2	28.2	27.2
500 to 749 lb	17.5	13.0	20.3	15.4	26.1	24.9	28.9	S	S	49.1
750 to 999 lb	26.4	21.1	24.8	25.0	37.2	29.5	42.3	37.5	36.6	36.7
1,000 to 9,999 lb	17.6	15.0	29.9	13.3	20.6	26.0	25.5	27.4	35.5	35.0
10,000 to 49,999 lb	24.2	29.0	43.5	29.7	38.0	46.8	46.3	49.4	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	23.6	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**7.9**	**8.7**	**18.3**	**25.0**	**8.7**	**9.9**	**9.7**	**11.5**	**15.3**	**14.8**
Less than 50 lb	19.5	36.9	25.4	16.6	42.0	S	46.2	32.0	23.2	22.2
50 to 99 lb	16.3	22.2	31.3	21.6	24.2	22.0	23.3	28.5	32.8	29.2
100 to 499 lb	18.7	30.4	S	15.5	17.6	16.3	15.9	45.0	S	49.4
500 to 749 lb	23.1	22.4	42.0	37.2	30.4	20.0	26.0	36.5	41.4	45.2
750 to 999 lb	17.1	15.7	34.7	26.1	24.6	19.2	25.5	S	S	S
1,000 to 9,999 lb	25.0	14.1	49.0	16.7	32.5	13.8	18.0	30.8	29.2	28.6
10,000 to 49,999 lb	8.4	9.3	14.1	16.9	9.0	9.8	10.9	20.8	27.0	24.5
50,000 to 99,999 lb	13.3	15.3	17.0	8.6	12.9	18.3	13.8	20.8	20.9	20.1
100,000 lb or more	19.6	19.6	35.7	19.2	26.0	32.2	24.6	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**13.7**	**8.1**	**15.7**	**13.8**	**17.7**	**9.9**	**13.7**	**17.3**	**21.4**	**20.3**
Less than 50 lb	20.8	17.8	25.1	18.4	17.8	19.8	22.4	31.5	32.0	34.2
50 to 99 lb	21.9	24.6	26.0	26.3	20.1	27.1	24.1	S	43.1	44.2
100 to 499 lb	21.2	16.3	17.9	15.9	14.1	18.4	15.2	47.5	21.6	21.2
500 to 749 lb	15.2	14.3	28.7	21.5	14.2	13.3	15.2	35.8	40.3	41.9
750 to 999 lb	17.2	21.6	30.9	23.1	20.5	24.1	27.8	37.7	20.0	21.2
1,000 to 9,999 lb	23.6	9.9	18.4	18.1	27.7	12.1	11.5	19.3	18.5	17.8
10,000 to 49,999 lb	14.4	9.0	14.3	13.3	26.2	15.7	24.6	26.3	28.0	26.8
50,000 to 99,999 lb	20.4	16.5	20.1	28.9	49.8	33.3	44.4	S	S	S
100,000 lb or more	26.6	18.1	24.4	8.6	S	32.8	32.8	S	S	S
SCTG 33, Articles of base metal	**9.1**	**16.8**	**20.5**	**15.8**	**12.5**	**20.5**	**21.5**	**21.5**	**24.6**	**21.6**
Less than 50 lb	12.8	14.9	15.2	17.4	17.8	21.0	26.7	16.8	17.4	18.5
50 to 99 lb	16.9	22.1	36.3	18.0	19.9	29.8	37.0	26.5	34.8	37.1
100 to 499 lb	13.7	16.6	10.0	18.9	17.5	20.6	22.8	32.0	22.1	22.1
500 to 749 lb	14.3	16.6	15.7	12.9	18.8	21.6	14.3	23.3	26.8	30.8
750 to 999 lb	16.5	19.1	16.0	18.6	20.4	25.5	21.0	40.3	34.1	40.7
1,000 to 9,999 lb	13.8	12.9	14.1	12.4	17.5	15.3	16.0	23.0	32.5	30.5
10,000 to 49,999 lb	13.7	19.3	23.7	15.7	22.3	32.5	31.5	36.7	38.0	33.8
50,000 to 99,999 lb	43.3	37.0	44.2	19.1	37.9	S	39.5	S	S	S
100,000 lb or more	46.0	45.7	S	19.2	S	S	S	–	–	–
SCTG 34, Machinery	**8.8**	**11.2**	**21.1**	**12.2**	**11.3**	**14.9**	**25.8**	**28.4**	**39.7**	**S**
Less than 50 lb	15.3	10.3	7.3	13.3	17.6	14.5	15.7	17.5	22.5	22.8
50 to 99 lb	11.3	7.8	10.9	14.9	21.5	13.8	19.1	29.0	19.3	21.0
100 to 499 lb	10.5	12.1	19.2	15.1	12.0	16.3	14.4	16.9	14.7	17.0
500 to 749 lb	27.5	24.1	43.7	14.8	30.6	27.8	36.0	36.2	29.8	30.9
750 to 999 lb	19.5	21.2	34.8	11.1	35.4	29.0	45.6	S	44.7	S
1,000 to 9,999 lb	13.2	15.5	24.2	11.2	26.8	25.6	24.5	30.5	21.0	23.2
10,000 to 49,999 lb	22.3	17.6	25.3	12.6	25.8	27.5	48.5	S	S	S
50,000 to 99,999 lb	47.5	44.9	S	23.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.9	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**13.5**	**17.2**	**19.3**	**9.3**	**11.9**	**14.4**	**15.2**	**21.2**	**46.6**	**37.7**
Less than 50 lb	18.6	15.7	28.9	8.9	11.3	13.3	10.8	21.1	18.2	18.0
50 to 99 lb	20.8	16.2	39.0	14.2	21.4	13.6	13.6	31.0	22.1	23.0
100 to 499 lb	15.7	10.9	21.6	17.8	21.6	14.1	16.1	40.9	23.3	25.6
500 to 749 lb	33.0	21.0	42.8	13.8	47.4	16.1	20.2	48.0	41.7	40.6
750 to 999 lb	23.0	22.0	40.8	18.6	25.0	28.6	35.9	S	S	49.7
1,000 to 9,999 lb	28.7	28.7	32.6	13.0	26.1	24.1	26.7	40.9	29.9	27.9
10,000 to 49,999 lb	26.5	22.7	16.1	19.6	27.2	26.2	29.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	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)	**15.4**	**24.4**	**42.7**	**16.8**	**7.8**	**14.0**	**18.0**	**16.8**	**26.4**	**25.0**
Less than 50 lb	15.1	12.6	25.3	19.5	12.8	15.5	18.8	25.6	20.5	18.2
50 to 99 lb	19.8	17.6	28.0	13.1	21.2	20.6	24.6	35.7	34.9	32.9
100 to 499 lb	14.3	9.8	14.0	13.5	14.4	16.8	15.5	31.7	25.5	27.0
500 to 749 lb	22.2	32.9	26.6	25.2	24.1	39.2	S	41.1	S	S
750 to 999 lb	S	20.7	25.0	36.6	33.3	32.1	30.1	29.0	43.4	41.3
1,000 to 9,999 lb	16.3	16.1	35.0	12.0	14.4	15.1	13.8	30.5	44.6	49.9
10,000 to 49,999 lb	29.1	37.4	49.5	12.1	24.6	22.9	26.3	44.8	42.2	43.5
50,000 to 99,999 lb	46.8	42.6	S	20.3	S	48.0	S	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**21.6**	**S**	**46.3**	**23.3**	**49.7**	**S**	**S**	**49.6**	**S**	**S**
Less than 50 lb	29.9	47.8	24.7	27.0	S	S	S	S	40.7	40.6
50 to 99 lb	23.8	S	39.0	11.9	S	S	S	S	S	S
100 to 499 lb	45.8	32.6	28.4	16.6	S	31.5	46.8	S	S	S
500 to 749 lb	S	33.6	S	19.7	S	S	S	S	S	S
750 to 999 lb	44.0	S	S	19.4	S	S	S	–	–	–
1,000 to 9,999 lb	S	30.9	31.9	18.0	39.2	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	21.2	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	36.4	S	S	S	–	–	–
100,000 lb or more	23.4	S	S	24.0	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**13.4**	**16.5**	**21.3**	**6.7**	**18.9**	**20.8**	**22.5**	**39.3**	**27.9**	**27.1**
Less than 50 lb	13.8	10.2	11.9	6.6	23.3	21.1	19.5	36.4	22.4	23.6
50 to 99 lb	29.8	37.8	45.3	10.6	36.4	34.2	37.5	S	49.8	S
100 to 499 lb	27.0	23.3	21.2	13.5	39.2	30.2	36.6	S	S	48.5
500 to 749 lb	26.5	28.8	29.5	22.5	S	S	S	S	S	S
750 to 999 lb	32.7	S	34.7	35.8	S	S	S	–	–	–
1,000 to 9,999 lb	18.5	37.2	42.7	10.9	49.5	39.9	34.2	–	–	–
10,000 to 49,999 lb	48.5	45.9	49.7	20.1	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	**26.4**	**21.8**	**19.6**	**14.5**	**36.9**	**32.1**	**43.1**	**34.1**	**29.9**	**29.9**
Less than 50 lb	34.4	28.8	42.3	13.4	43.8	33.9	40.3	33.0	32.3	32.9
50 to 99 lb	30.3	28.8	33.2	18.6	31.9	31.8	38.9	S	S	S
100 to 499 lb	47.9	44.9	24.8	33.4	S	S	S	S	42.6	43.0
500 to 749 lb	46.7	S	23.4	S	S	S	S	S	S	S
750 to 999 lb	39.3	41.3	41.8	29.9	49.3	S	S	S	S	S
1,000 to 9,999 lb	14.8	15.2	19.4	17.0	21.0	19.5	26.5	23.9	21.8	22.2
10,000 to 49,999 lb	16.6	15.5	26.6	16.5	27.5	27.8	37.0	46.3	46.0	45.9
50,000 to 99,999 lb	S	S	S	21.8	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**12.3**	**33.0**	**21.0**	**6.5**	**12.3**	**27.6**	**33.4**	**43.5**	**S**	**S**
Less than 50 lb	10.4	14.1	21.8	6.1	14.4	14.6	13.5	22.0	16.1	16.4
50 to 99 lb	20.7	36.7	S	10.0	22.9	18.3	18.2	31.6	37.3	36.4
100 to 499 lb	23.7	16.9	32.6	11.0	18.2	14.8	17.5	23.9	18.3	17.6
500 to 749 lb	36.8	17.8	31.7	15.1	27.4	25.1	28.7	36.3	35.2	32.9
750 to 999 lb	30.0	13.8	14.5	16.3	38.9	27.1	28.4	38.5	31.9	32.4
1,000 to 9,999 lb	12.6	13.7	11.4	12.5	17.8	16.6	21.8	45.0	45.8	44.9
10,000 to 49,999 lb	18.6	21.5	18.2	8.3	20.0	30.8	25.8	S	S	S
50,000 to 99,999 lb	S	S	S	24.0	S	S	S	S	S	S
100,000 lb or more	41.9	S	S	25.7	S	S	S	–	–	–
SCTG 41, Waste and scrap	**28.3**	**47.6**	**45.3**	**21.6**	**43.0**	**S**	**30.5**	**43.7**	**S**	**S**
Less than 50 lb	S	S	S	30.5	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	49.2	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	22.4	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	41.0	38.7	43.5	38.0	S	49.7	S	S	S	S
10,000 to 49,999 lb	34.8	23.2	22.5	18.4	24.8	42.6	39.7	S	47.2	S
50,000 to 99,999 lb	34.5	S	41.8	37.6	S	S	S	S	S	S
100,000 lb or more	34.4	S	S	35.4	S	S	S	S	S	S
SCTG 43, Mixed freight	**11.3**	**12.6**	**19.6**	**23.3**	**13.1**	**13.4**	**13.8**	**13.2**	**18.6**	**16.7**
Less than 50 lb	37.6	30.4	S	22.8	34.7	28.6	24.4	S	34.0	32.3
50 to 99 lb	36.2	31.0	40.8	S	34.5	30.4	25.6	48.0	42.6	39.2
100 to 499 lb	17.4	18.4	16.1	33.3	22.9	23.8	23.4	30.4	25.6	25.0
500 to 749 lb	23.1	21.9	23.9	S	29.2	26.4	22.7	28.3	30.1	29.6
750 to 999 lb	18.6	18.7	30.9	26.1	20.6	20.7	21.4	42.8	S	S
1,000 to 9,999 lb	16.7	16.1	27.5	13.2	16.6	15.8	18.2	21.1	19.0	19.6
10,000 to 49,999 lb	19.6	22.9	35.2	14.9	23.5	25.8	24.8	25.1	28.7	26.2
50,000 to 99,999 lb	33.2	35.7	42.0	17.2	S	S	S	48.8	48.4	46.1
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**22.2**	**46.3**	**S**	**12.2**	**28.6**	**S**	**S**	**43.7**	**31.8**	**35.9**
Less than 50 lb	30.1	24.7	32.5	12.8	31.2	31.8	36.8	41.3	45.7	43.3
50 to 99 lb	36.7	30.1	S	18.0	39.9	32.8	31.2	S	S	S
100 to 499 lb	26.1	19.9	31.0	37.0	36.2	24.7	24.2	48.1	41.3	40.5
500 to 749 lb	S	47.2	42.2	S	S	44.1	S	S	S	S
750 to 999 lb	S	S	S	31.7	S	S	S	–	–	–
1,000 to 9,999 lb	39.7	30.8	42.0	20.5	38.1	23.2	30.4	44.9	37.3	36.1
10,000 to 49,999 lb	38.7	S	S	S	35.4	S	S	S	S	S
50,000 to 99,999 lb	S	S	48.9	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.5	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	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	**6.4**	**8.9**	**8.4**	**8.2**	**6.6**	**5.9**	**6.2**	**11.6**	**12.2**	**6.1**	**18.3**	**17.5**
Less than 50 lb	9.9	6.9	7.1	12.5	9.9	10.4	9.4	11.2	11.4	17.5	10.5	10.4
50 to 99 lb	10.6	10.1	9.7	21.3	12.1	11.5	20.1	16.6	16.7	20.4	28.3	28.2
100 to 499 lb	7.6	8.4	7.8	30.2	15.0	13.6	22.6	9.1	9.2	21.1	13.4	13.5
500 to 749 lb	16.0	12.6	11.4	37.2	8.7	8.6	32.9	13.9	13.6	18.5	17.8	18.2
750 to 999 lb	13.9	16.8	16.0	42.4	17.7	18.6	41.8	12.2	11.3	20.0	28.5	29.8
1,000 to 9,999 lb	7.0	11.3	10.6	10.4	10.4	10.6	11.4	13.0	12.1	8.1	14.1	13.6
10,000 to 49,999 lb	17.1	15.0	14.5	7.5	7.3	7.4	7.1	7.9	7.4	10.7	10.0	10.1
50,000 to 99,999 lb	19.3	9.4	8.7	24.4	14.0	13.5	25.6	13.7	13.8	18.6	24.9	25.4
100,000 lb or more	19.7	19.1	17.0	8.6	8.7	7.7	12.3	12.8	13.2	9.2	19.2	18.4
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**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	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**31.0**	**30.3**	**32.9**	**31.5**	**36.8**	**38.8**	**31.5**	**29.9**	**30.9**	**38.0**	**38.5**	**39.2**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
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	S	S	S	S	S	S
10,000 to 49,999 lb	49.8	46.4	48.4	S	S	S	43.0	37.4	34.8	S	S	S
50,000 to 99,999 lb	35.6	34.7	37.8	46.3	S	S	37.9	38.7	38.6	46.8	45.3	45.5
100,000 lb or more	S	S	S	38.6	39.4	40.7	32.3	30.6	31.4	41.4	40.8	41.2
SCTG 03, Other agricultural products	**29.4**	**25.9**	**28.3**	**37.3**	**S**	**S**	**27.2**	**38.3**	**38.9**	**49.7**	**S**	**S**
Less than 50 lb	S	S	S	48.3	49.1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	42.4	43.2	44.2	S	S	S	S	S
100 to 499 lb	S	S	S	38.9	40.8	39.9	45.0	42.4	43.1	S	49.5	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	36.9	36.0	36.1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46.6	45.4	43.3	46.8	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	26.1	36.4	39.7	39.9	S	S	26.4	42.4	43.5	48.7	49.8	48.4
50,000 to 99,999 lb	S	S	S	43.6	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**31.1**	**33.0**	**34.8**	**20.8**	**36.1**	**31.4**	**32.8**	**25.5**	**23.6**	**26.0**	**27.9**	**27.2**
Less than 50 lb	S	47.6	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	38.9	40.1	45.1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.2	47.3	S	44.0	42.0	39.4	S	S	S	47.4	S	S
10,000 to 49,999 lb	37.8	32.4	33.0	25.5	21.4	21.5	35.3	35.5	34.0	35.3	43.2	42.5
50,000 to 99,999 lb	S	S	S	49.4	S	S	49.0	44.7	45.1	S	S	S
100,000 lb or more	S	S	S	47.3	S	S	46.3	45.6	44.7	S	47.2	46.5
SCTG 05, Meat, fish, seafood, and their preparations	**28.1**	**31.5**	**35.0**	**29.3**	**23.6**	**23.7**	**19.9**	**17.3**	**17.7**	**22.9**	**20.7**	**21.1**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	38.4	38.7	40.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	29.6	31.0	28.9	S	S	S	48.9	46.7	48.0	S	S	S
500 to 749 lb	S	S	46.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.2	37.8	39.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25.8	27.4	25.3	41.0	36.4	34.3	26.5	36.0	36.4	29.2	31.7	31.4
10,000 to 49,999 lb	49.4	48.8	S	29.0	22.4	22.8	21.9	18.3	18.8	23.8	21.6	22.0
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**28.2**	**30.4**	**28.4**	**21.2**	**19.1**	**19.6**	**30.7**	**28.4**	**27.8**	**32.3**	**43.6**	**45.6**
Less than 50 lb	48.8	39.8	43.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	34.1	35.5	36.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	39.3	34.0	33.6	40.8	43.3	41.5	S	S	S	S	S	48.7
500 to 749 lb	S	S	49.5	42.4	48.7	47.7	S	S	S	–	–	–
750 to 999 lb	39.0	40.2	39.0	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	27.4	29.1	30.6	40.3	41.6	42.9	43.1	41.8	42.5	44.3	41.8	42.2
10,000 to 49,999 lb	43.1	48.3	44.8	25.6	21.3	21.2	30.7	37.9	37.8	33.0	45.5	47.4
50,000 to 99,999 lb	S	S	S	47.1	43.2	44.6	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	48.1	47.7	47.7	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 07, Other prepared foodstuffs and fats and oils	**20.8**	**17.7**	**18.3**	**15.3**	**10.4**	**10.9**	**16.4**	**16.3**	**15.9**	**28.9**	**15.4**	**15.7**
Less than 50 lb	42.7	27.9	28.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	29.3	31.2	28.6	49.7	46.5	46.1	44.6	40.3	42.1	S	S	S
100 to 499 lb	35.8	31.9	29.7	32.0	45.6	43.1	38.6	34.6	34.7	47.0	S	S
500 to 749 lb	S	S	S	47.1	S	S	S	47.5	46.7	S	S	S
750 to 999 lb	39.6	S	48.3	39.7	43.2	41.6	31.0	47.5	46.5	S	S	S
1,000 to 9,999 lb	21.5	36.8	33.5	28.0	29.7	29.6	35.6	41.3	41.2	S	44.9	45.1
10,000 to 49,999 lb	31.7	20.8	21.9	18.6	12.5	12.5	19.2	14.1	13.8	37.3	17.2	17.2
50,000 to 99,999 lb	29.7	27.2	26.4	28.0	24.9	25.0	S	S	S	–	–	–
100,000 lb or more	S	S	S	38.8	40.4	40.9	42.8	39.0	36.5	41.3	33.8	34.3
SCTG 08, Alcoholic beverages	**20.1**	**23.6**	**23.0**	**40.6**	**34.4**	**34.1**	**36.1**	**43.2**	**47.4**	**33.7**	**41.9**	**43.0**
Less than 50 lb	31.7	31.7	35.6	–	–	–	S	S	S	–	–	–
50 to 99 lb	24.9	20.3	19.6	S	S	S	–	–	–	–	–	–
100 to 499 lb	17.9	17.3	18.2	S	S	S	–	–	–	–	–	–
500 to 749 lb	26.7	22.6	23.4	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	50.0	46.4	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	46.8	40.8	42.0	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	36.5	38.8	40.8	40.3	36.9	36.7	33.0	32.6	32.8	31.7	29.5	29.4
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	41.5	S	S	S	S	S	47.4	48.0	48.6
SCTG 09, Tobacco products	**32.6**	**33.3**	**33.6**	**S**	**S**	**S**	**S**	**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	34.0	32.6	39.7	S	S	S	–	–	–	–	–	–
100 to 499 lb	37.5	31.1	36.1	S	S	S	–	–	–	–	–	–
500 to 749 lb	42.0	43.5	45.0	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**48.3**	**47.9**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	46.9	47.0	47.1	S	48.1	47.4	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**34.0**	**42.7**	**40.6**	**44.2**	**45.0**	**45.0**	**44.8**	**44.4**	**49.8**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	47.6	49.5	S	46.1	49.9	49.4	S	S	S	S	S	S
100,000 lb or more	S	46.3	46.4	48.1	45.7	45.7	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**46.3**	**S**	**S**	**S**	**46.0**	**44.0**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	39.4	44.6	47.9	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**29.7**	**24.0**	**27.8**	**41.7**	**34.3**	**31.2**	**33.7**	**35.1**	**31.7**	**34.2**	**22.9**	**22.4**
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	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	S	S	S	S	S	S	S	S	S	36.7	36.0
10,000 to 49,999 lb	46.4	36.8	44.1	S	49.8	46.6	S	S	S	S	49.3	46.0
50,000 to 99,999 lb	41.0	32.8	30.7	23.6	22.9	22.1	43.0	S	S	36.4	38.1	40.0
100,000 lb or more	34.7	40.3	44.9	42.3	45.4	44.2	39.3	33.7	34.0	27.6	20.1	21.0

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	**29.7**	**21.3**	**21.2**	**38.4**	**38.7**	**35.6**	**S**	**S**	**S**	**42.7**	**27.9**	**30.6**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	45.2	46.1	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	37.3	30.2	29.7	44.9	47.1	44.4	S	S	S	48.5	43.5	42.6
50,000 to 99,999 lb	S	34.4	32.0	S	S	S	S	S	S	–	–	–
100,000 lb or more	45.1	31.7	31.6	35.1	43.2	40.6	S	S	S	43.7	40.1	40.6
SCTG 15, Coal	**30.4**	**25.3**	**23.2**	**16.8**	**13.0**	**13.0**	**16.4**	**15.3**	**15.7**	**16.1**	**20.7**	**19.9**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	45.4	46.2	47.7	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	46.0	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	31.8	26.4	23.1	17.1	13.3	13.1	15.6	15.3	15.7	16.1	20.7	19.9
SCTG 17, Gasoline and aviation turbine fuel	**31.7**	**28.4**	**30.1**	**35.8**	**29.0**	**26.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	43.4	44.5	47.9
10,000 to 49,999 lb	49.0	43.8	38.7	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	17.7	16.4	16.5	40.2	41.4	42.3	S	S	S	–	–	–
100,000 lb or more	S	S	S	39.4	38.6	35.4	S	S	S	–	–	–
SCTG 18, Fuel oils	**15.5**	**15.9**	**16.0**	**37.4**	**34.1**	**35.6**	**46.6**	**47.0**	**47.1**	**S**	**49.0**	**S**
Less than 50 lb	49.6	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	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	42.9	43.2	S	S	S	S	S	S	43.1	44.6	45.9
10,000 to 49,999 lb	20.2	27.0	26.1	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	18.4	19.0	18.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.0	37.9	37.9	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**20.8**	**25.2**	**24.3**	**23.2**	**30.6**	**34.7**	**28.2**	**48.2**	**49.9**	**42.7**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	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	–	–	–	–	–	–
1,000 to 9,999 lb	33.0	27.1	25.3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.2	32.2	32.8	18.7	30.7	34.6	35.6	28.1	28.5	S	S	S
50,000 to 99,999 lb	33.8	32.5	31.9	41.1	38.1	36.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	38.8	43.1	45.2	34.7	49.0	S	S	S	S
SCTG 20, Basic chemicals	**19.2**	**25.1**	**27.9**	**25.8**	**32.0**	**30.6**	**18.9**	**30.7**	**31.2**	**S**	**34.0**	**33.6**
Less than 50 lb	S	S	S	S	S	S	35.3	36.2	37.1	43.8	41.5	40.2
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	48.1	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	45.0	S	S	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	27.2	25.5	25.5	S	38.7	39.6	S	32.3	32.5	S	S	S
10,000 to 49,999 lb	31.1	37.0	44.4	38.4	33.2	31.9	36.2	30.1	32.4	S	26.6	27.0
50,000 to 99,999 lb	37.5	35.3	39.8	43.2	35.9	37.6	32.7	36.8	36.7	41.0	45.5	45.3
100,000 lb or more	32.9	29.0	30.0	39.8	41.9	36.9	34.5	32.6	32.8	34.5	37.5	36.7
SCTG 21, Pharmaceutical products	**15.5**	**44.5**	**41.7**	**20.6**	**27.0**	**26.5**	**34.7**	**S**	**S**	**27.0**	**35.6**	**36.0**
Less than 50 lb	19.3	26.9	28.5	22.2	27.0	26.7	30.3	29.6	28.8	30.8	27.6	27.2
50 to 99 lb	28.7	35.5	38.0	34.2	49.6	49.0	S	36.8	36.4	S	S	S
100 to 499 lb	37.1	33.3	31.3	S	28.4	28.2	S	34.8	38.5	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	49.4	49.1	48.2	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	44.1	43.5	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	–	–	–	–	–	–	–	–	–	–	–	–

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	**23.3**	**21.9**	**23.3**	**23.8**	**20.7**	**20.7**	**16.7**	**17.8**	**17.8**	**30.7**	**34.3**	**35.6**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	45.0	47.1	38.7	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	33.6	27.4	28.0	20.9	25.9	24.8	24.7	21.9	21.0	45.9	S	S
50,000 to 99,999 lb	32.7	27.3	28.4	32.1	30.3	30.0	18.8	17.2	17.1	43.2	41.4	43.8
100,000 lb or more	38.4	35.4	35.9	31.8	31.9	32.2	19.3	21.8	21.3	30.3	33.0	33.9
SCTG 23, Chemical products and preparations, n.e.c.	**S**	**S**	**S**	**32.1**	**42.5**	**38.9**	**25.2**	**44.5**	**42.3**	**30.9**	**32.8**	**31.9**
Less than 50 lb	34.2	39.9	38.7	26.5	32.8	34.2	30.1	26.0	26.0	41.7	S	S
50 to 99 lb	47.2	37.1	35.6	38.3	35.8	37.4	41.7	35.7	35.2	S	S	S
100 to 499 lb	36.3	21.2	20.7	24.5	25.1	28.0	30.5	49.5	46.9	33.5	S	S
500 to 749 lb	23.0	40.7	38.2	S	39.1	36.7	S	43.0	43.0	47.8	S	S
750 to 999 lb	42.8	35.4	35.7	S	40.9	36.9	42.3	36.0	35.2	S	S	S
1,000 to 9,999 lb	15.1	21.0	21.5	26.8	21.9	22.6	S	42.2	39.5	S	29.1	28.9
10,000 to 49,999 lb	S	S	S	47.2	45.6	41.8	36.6	S	48.2	42.3	39.9	38.2
50,000 to 99,999 lb	49.1	36.2	39.6	S	S	S	S	45.8	45.2	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**13.9**	**17.5**	**18.4**	**12.8**	**15.6**	**15.1**	**15.3**	**21.0**	**21.0**	**20.7**	**25.1**	**25.0**
Less than 50 lb	29.6	30.6	31.0	42.3	42.9	44.2	26.8	36.2	36.6	25.1	40.1	39.4
50 to 99 lb	S	S	S	37.4	29.7	35.1	23.9	28.7	25.8	S	35.1	36.9
100 to 499 lb	33.4	44.9	37.6	19.5	14.9	15.0	19.5	11.7	11.8	30.0	22.6	21.8
500 to 749 lb	16.9	19.2	18.1	19.3	18.5	18.3	28.4	23.1	24.4	S	24.5	23.5
750 to 999 lb	47.1	S	S	S	S	S	29.9	32.8	31.5	39.7	31.9	32.0
1,000 to 9,999 lb	11.2	17.4	19.8	12.0	18.0	15.7	20.1	21.5	21.7	37.2	31.8	31.3
10,000 to 49,999 lb	22.2	17.6	17.4	23.2	22.9	23.5	28.9	25.5	25.5	29.6	35.5	35.5
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	–	–	–	–	–	–
SCTG 25, Logs and other wood in the rough	**39.2**	**44.0**	**43.2**	**28.6**	**44.0**	**46.2**	**46.7**	**S**	**S**	**42.4**	**40.5**	**40.9**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	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	S	S	S	42.7	30.4	30.1	41.2	38.2	39.6	36.7	35.5	35.7
50,000 to 99,999 lb	48.1	47.1	47.0	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**8.3**	**14.8**	**14.4**	**7.8**	**10.4**	**9.9**	**9.3**	**12.4**	**11.3**	**11.9**	**11.1**	**11.6**
Less than 50 lb	S	S	S	45.2	S	S	46.9	39.7	39.9	35.7	S	S
50 to 99 lb	39.8	40.2	42.5	S	S	S	49.0	S	49.5	S	S	S
100 to 499 lb	20.8	21.5	21.4	24.9	25.9	29.4	S	S	S	S	S	S
500 to 749 lb	23.9	31.1	35.7	46.2	S	S	S	S	S	S	S	S
750 to 999 lb	23.3	21.2	23.9	49.5	S	47.5	S	S	S	S	S	S
1,000 to 9,999 lb	16.0	16.1	16.7	19.5	22.6	25.6	23.6	34.7	36.0	S	S	S
10,000 to 49,999 lb	11.0	11.1	10.9	9.2	11.3	11.9	13.4	15.5	14.5	13.9	9.2	9.7
50,000 to 99,999 lb	26.0	29.2	26.6	13.4	12.1	11.3	23.6	35.4	33.1	29.4	33.8	34.0
100,000 lb or more	19.0	39.9	36.0	14.3	30.9	25.9	14.0	16.8	16.3	14.3	14.0	14.2
SCTG 27, Pulp, newsprint, paper, and paperboard	**20.2**	**32.8**	**36.3**	**25.2**	**24.9**	**25.6**	**31.9**	**27.0**	**27.8**	**39.9**	**40.6**	**44.1**
Less than 50 lb	44.0	42.3	36.1	S	43.7	45.4	39.6	43.3	45.1	44.7	S	S
50 to 99 lb	39.2	29.8	33.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.9	26.1	27.6	39.4	S	47.3	41.6	40.9	42.3	S	S	S
500 to 749 lb	33.1	30.9	31.0	47.0	48.2	49.2	S	S	S	S	S	S
750 to 999 lb	S	42.1	48.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.3	27.5	29.6	S	S	S	S	S	S	43.0	S	S
10,000 to 49,999 lb	43.4	45.0	43.3	38.8	34.5	33.6	31.8	29.0	29.7	43.1	39.7	40.7
50,000 to 99,999 lb	–	–	–	46.9	43.2	46.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.5	44.5	43.5	S	S	S	49.5	47.5	S
SCTG 28, Paper or paperboard articles	**13.3**	**16.0**	**16.2**	**24.9**	**25.1**	**26.3**	**31.1**	**28.6**	**28.0**	**29.8**	**43.9**	**S**
Less than 50 lb	27.4	17.9	21.0	25.0	21.8	23.4	44.1	47.9	48.9	S	S	S
50 to 99 lb	20.4	25.1	24.5	29.6	21.2	22.1	31.5	49.3	46.9	48.7	S	S
100 to 499 lb	22.2	20.1	17.4	24.3	26.1	24.5	34.2	25.2	25.6	S	S	S
500 to 749 lb	S	44.6	41.9	37.7	33.1	34.7	38.3	43.8	48.0	S	S	S
750 to 999 lb	45.1	42.1	38.4	S	S	S	32.8	36.3	35.9	S	S	S
1,000 to 9,999 lb	22.8	23.4	22.5	31.0	25.2	29.8	30.8	30.8	32.5	S	S	S
10,000 to 49,999 lb	20.0	18.3	19.3	35.8	34.5	34.0	39.7	35.6	35.3	39.4	34.5	34.4
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

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	**12.4**	**23.8**	**20.0**	**20.7**	**33.9**	**34.8**	**27.9**	**23.7**	**26.8**	**25.2**	**40.6**	**43.5**
Less than 50 lb	25.0	30.2	31.7	30.0	41.7	43.7	47.2	45.1	44.0	34.3	32.7	33.2
50 to 99 lb	28.0	30.9	32.6	34.8	32.3	31.8	S	45.0	44.3	S	S	S
100 to 499 lb	17.2	25.6	24.7	24.1	27.2	29.2	S	37.2	37.1	S	38.4	37.9
500 to 749 lb	33.4	42.1	41.0	38.6	34.7	37.1	44.4	33.6	33.6	S	42.6	46.0
750 to 999 lb	35.3	S	S	28.0	S	S	32.7	34.0	31.5	S	S	S
1,000 to 9,999 lb	26.0	32.0	29.6	38.1	48.4	49.8	21.3	20.9	20.4	46.7	39.5	39.2
10,000 to 49,999 lb	S	S	S	34.6	39.5	41.2	43.6	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**21.7**	**22.1**	**23.2**	**19.4**	**19.3**	**17.6**	**12.7**	**21.7**	**23.8**	**14.4**	**23.3**	**22.9**
Less than 50 lb	24.5	24.3	22.8	34.9	23.8	22.7	18.4	14.9	15.1	19.4	14.7	14.1
50 to 99 lb	25.9	26.9	27.0	36.3	26.8	27.6	29.0	35.2	32.3	23.1	22.2	23.0
100 to 499 lb	24.0	31.2	29.4	19.1	21.2	23.4	39.9	34.2	35.3	25.4	28.4	27.9
500 to 749 lb	40.2	43.2	42.9	46.1	29.4	30.5	38.0	33.4	32.1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	48.9
1,000 to 9,999 lb	31.8	22.6	23.9	28.4	20.8	20.9	27.8	26.3	26.4	29.1	37.3	36.4
10,000 to 49,999 lb	38.4	39.4	37.9	49.7	S	48.7	30.0	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**14.3**	**14.3**	**14.5**	**12.9**	**20.5**	**21.0**	**19.4**	**24.4**	**25.8**	**27.9**	**23.0**	**24.2**
Less than 50 lb	32.5	49.1	S	S	36.8	32.6	31.2	41.5	42.6	42.7	37.3	39.6
50 to 99 lb	S	S	47.5	S	49.8	45.4	47.0	S	S	S	S	S
100 to 499 lb	S	S	S	32.2	S	S	S	48.2	46.9	S	44.9	43.9
500 to 749 lb	45.6	44.6	S	S	S	S	S	42.6	43.6	S	S	S
750 to 999 lb	46.3	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	35.1	33.0	32.2	38.8	32.3	28.7	26.0	36.0	35.3	48.9	S	S
10,000 to 49,999 lb	20.9	22.7	24.5	18.1	22.9	21.8	21.2	22.9	23.4	25.5	30.3	30.0
50,000 to 99,999 lb	22.5	24.7	25.5	28.4	29.6	27.9	S	S	S	S	S	S
100,000 lb or more	22.7	24.0	23.0	17.6	24.4	25.9	36.3	32.9	34.5	40.1	34.4	35.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**16.3**	**13.4**	**13.2**	**24.0**	**14.8**	**16.0**	**24.5**	**17.1**	**18.7**	**19.2**	**27.1**	**26.0**
Less than 50 lb	42.2	30.8	30.3	S	31.5	35.2	S	46.1	45.3	37.5	S	S
50 to 99 lb	29.0	26.9	26.0	28.9	30.9	29.8	48.0	S	S	S	30.8	31.4
100 to 499 lb	22.2	18.3	18.0	S	21.8	24.3	40.8	49.8	49.2	31.3	34.0	33.1
500 to 749 lb	S	31.7	27.0	38.9	39.0	41.6	S	S	S	S	49.8	49.5
750 to 999 lb	49.2	39.9	38.4	S	S	S	37.3	S	S	47.9	S	S
1,000 to 9,999 lb	15.7	18.2	20.3	25.7	18.5	20.4	28.1	29.6	29.5	42.7	45.8	46.0
10,000 to 49,999 lb	23.7	22.0	19.9	31.3	18.3	19.7	30.3	19.2	19.6	36.7	35.8	34.6
50,000 to 99,999 lb	44.0	46.0	48.1	31.9	37.1	36.6	30.7	30.5	30.9	–	–	–
100,000 lb or more	34.4	30.6	33.0	S	39.3	38.9	29.4	24.7	25.6	33.3	42.9	40.0
SCTG 33, Articles of base metal	**11.8**	**30.0**	**24.4**	**12.1**	**16.7**	**16.9**	**23.5**	**31.1**	**32.1**	**15.8**	**31.9**	**32.3**
Less than 50 lb	19.2	18.5	18.4	41.0	24.5	21.5	21.0	19.5	19.5	36.9	24.9	24.8
50 to 99 lb	22.8	33.0	31.1	22.1	24.4	29.3	36.1	32.4	32.6	S	S	S
100 to 499 lb	15.8	16.2	16.0	37.7	18.7	18.2	24.4	19.4	19.3	27.3	18.6	19.4
500 to 749 lb	20.3	18.8	20.7	28.5	21.1	21.0	37.8	32.5	32.4	42.9	40.5	41.2
750 to 999 lb	43.3	31.3	32.9	33.3	24.7	22.5	31.0	33.5	33.2	47.4	36.4	36.3
1,000 to 9,999 lb	30.0	25.3	29.9	22.7	22.5	23.9	25.8	27.0	26.4	37.7	29.3	30.0
10,000 to 49,999 lb	20.4	26.6	24.6	16.2	21.2	20.8	19.4	23.8	24.0	32.0	34.2	35.4
50,000 to 99,999 lb	S	S	S	S	42.5	42.0	S	46.2	47.2	S	S	S
100,000 lb or more	S	S	S	S	S	S	48.6	S	S	S	S	S
SCTG 34, Machinery	**13.6**	**22.1**	**21.0**	**16.6**	**23.0**	**22.6**	**23.7**	**33.7**	**33.7**	**22.5**	**26.4**	**26.1**
Less than 50 lb	28.4	13.2	12.9	19.7	13.1	13.4	19.7	23.4	22.8	21.9	14.1	14.1
50 to 99 lb	16.7	16.1	18.0	27.1	16.4	19.1	22.4	20.7	23.4	25.2	23.9	24.6
100 to 499 lb	19.7	16.0	16.0	19.6	21.7	19.6	44.8	29.3	30.0	18.2	21.1	20.5
500 to 749 lb	35.3	29.3	32.4	S	37.9	37.7	37.9	43.6	43.0	S	35.5	33.3
750 to 999 lb	31.5	32.4	41.4	S	37.2	39.7	41.7	46.3	42.9	33.7	34.5	35.5
1,000 to 9,999 lb	26.4	34.4	32.1	33.8	27.6	29.2	41.1	33.1	32.2	27.2	31.5	31.7
10,000 to 49,999 lb	34.4	30.4	32.2	38.9	28.6	29.1	42.1	45.5	45.0	38.0	33.6	33.7
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
SCTG 35, Electronic and other electrical equipment and components and office equipment	**14.5**	**21.7**	**24.0**	**18.8**	**45.8**	**46.9**	**21.7**	**32.7**	**29.5**	**16.1**	**13.3**	**12.5**
Less than 50 lb	21.4	15.3	23.5	19.5	30.3	32.4	15.4	22.7	23.3	31.2	22.3	22.6
50 to 99 lb	26.3	24.7	26.9	31.7	37.8	36.4	29.5	26.1	26.2	30.8	S	S
100 to 499 lb	20.8	21.9	22.6	29.3	30.9	29.2	33.9	36.5	34.9	29.0	34.6	33.8
500 to 749 lb	30.0	44.0	44.8	47.0	37.4	39.0	S	S	S	33.0	24.8	25.5
750 to 999 lb	S	46.4	47.9	S	S	S	S	S	47.3	31.8	38.6	39.5
1,000 to 9,999 lb	33.9	37.4	38.7	45.4	S	S	46.6	S	S	28.9	36.7	34.5
10,000 to 49,999 lb	S	S	S	41.5	S	S	43.9	23.6	24.1	44.1	25.1	24.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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)	**11.0**	**10.5**	**9.4**	**18.1**	**10.2**	**10.8**	**33.0**	**44.0**	**45.5**	**S**	**45.2**	**44.1**
Less than 50 lb	13.9	11.1	11.4	28.0	32.2	32.7	S	43.3	40.5	46.5	48.5	46.7
50 to 99 lb	30.0	20.2	22.5	43.3	49.6	S	49.4	48.2	48.3	47.2	46.3	45.4
100 to 499 lb	29.0	13.8	15.7	28.4	15.3	15.9	41.1	33.7	35.1	S	37.2	39.6
500 to 749 lb	29.9	29.1	29.4	36.4	32.6	32.1	S	S	S	S	S	S
750 to 999 lb	23.4	20.4	20.3	44.9	43.3	42.2	S	S	S	S	S	S
1,000 to 9,999 lb	28.2	24.1	23.0	36.9	21.6	21.3	25.0	30.3	30.4	44.8	34.9	34.8
10,000 to 49,999 lb	29.9	22.9	22.2	25.7	21.1	22.3	48.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	46.5	49.9	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**38.8**	**S**	**S**	**45.2**	**31.5**	**31.6**	**19.0**	**S**	**S**	**25.3**	**39.4**	**36.9**
Less than 50 lb	S	S	S	27.4	S	S	23.2	28.9	28.7	31.0	35.7	34.5
50 to 99 lb	S	S	S	42.3	S	S	44.3	36.0	34.8	38.6	39.8	39.3
100 to 499 lb	S	S	S	34.0	S	S	38.8	48.4	46.4	39.9	45.0	42.5
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	48.8	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	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**29.1**	**34.2**	**34.3**	**15.7**	**30.2**	**29.4**	**16.7**	**29.7**	**29.6**	**22.8**	**34.9**	**34.4**
Less than 50 lb	36.5	24.5	24.5	22.4	21.3	20.7	15.3	16.6	17.7	26.3	22.9	21.9
50 to 99 lb	43.1	42.0	39.1	47.0	24.7	23.7	33.8	27.1	34.5	S	S	S
100 to 499 lb	42.5	S	S	29.2	34.3	34.5	S	35.3	31.3	S	33.9	31.9
500 to 749 lb	S	S	S	46.4	49.2	45.3	44.6	37.7	37.2	S	S	S
750 to 999 lb	S	S	S	S	S	S	40.7	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	48.4	47.8	47.3	26.6	S	S	47.3	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	**25.6**	**22.9**	**24.6**	**16.7**	**13.5**	**13.0**	**24.9**	**20.2**	**20.6**	**23.6**	**20.5**	**20.9**
Less than 50 lb	25.8	23.9	27.0	36.8	42.4	41.6	S	S	S	S	S	S
50 to 99 lb	45.3	42.5	42.2	S	S	S	27.2	33.2	35.8	49.6	35.8	35.6
100 to 499 lb	S	40.2	37.6	47.2	40.2	41.6	S	28.7	30.6	48.8	41.8	43.6
500 to 749 lb	28.8	31.1	29.7	23.4	19.1	19.7	28.0	25.5	24.2	45.4	38.8	38.4
750 to 999 lb	26.5	28.1	27.5	28.7	26.0	26.1	30.0	25.0	25.5	S	S	S
1,000 to 9,999 lb	23.5	20.7	19.3	17.9	11.6	11.9	21.7	20.6	19.9	28.3	24.4	23.5
10,000 to 49,999 lb	43.5	41.8	42.2	33.9	34.8	33.3	29.6	28.2	28.7	32.6	27.7	27.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**29.3**	**S**	**49.7**	**25.8**	**46.2**	**46.4**	**16.3**	**25.3**	**25.1**	**19.5**	**22.0**	**21.9**
Less than 50 lb	46.5	26.6	21.0	14.6	11.8	11.8	19.3	28.2	29.9	20.5	32.6	33.2
50 to 99 lb	27.0	23.7	23.5	20.5	28.0	27.2	46.9	44.7	45.3	49.0	S	S
100 to 499 lb	33.5	26.3	27.5	S	20.1	21.9	29.2	35.1	36.7	28.6	40.4	42.1
500 to 749 lb	S	37.0	41.6	S	28.6	28.1	27.7	35.3	35.0	36.2	25.2	24.9
750 to 999 lb	32.6	34.6	34.2	S	44.8	44.7	41.4	31.3	31.5	S	41.5	40.0
1,000 to 9,999 lb	36.0	26.1	27.6	29.1	22.4	22.5	27.6	19.5	19.9	45.1	24.0	22.5
10,000 to 49,999 lb	28.2	24.3	24.0	40.0	33.3	32.4	21.4	25.2	26.0	46.0	39.4	39.1
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 41, Waste and scrap	**S**	**48.3**	**49.7**	**35.7**	**S**	**S**	**32.4**	**39.4**	**42.4**	**S**	**38.1**	**39.0**
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	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	30.7	40.3	44.5	39.6	34.0	32.9	S	S	S
50,000 to 99,999 lb	S	S	S	36.3	39.0	40.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	39.4	S	S	S	S	S
SCTG 43, Mixed freight	**16.2**	**15.9**	**16.3**	**17.1**	**18.1**	**17.8**	**44.8**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	35.5	35.5	S	S	S	S	S	S	S	S	S
50 to 99 lb	44.8	38.9	36.1	S	S	S	–	–	–	S	S	S
100 to 499 lb	31.6	25.0	26.7	S	37.2	36.1	S	S	S	S	S	S
500 to 749 lb	44.4	42.8	39.9	S	39.3	43.7	S	S	S	S	S	S
750 to 999 lb	41.9	44.2	S	31.8	39.5	39.6	S	S	S	S	S	S
1,000 to 9,999 lb	25.1	24.5	24.9	23.4	22.4	23.8	S	S	S	S	S	S
10,000 to 49,999 lb	19.5	19.4	19.1	33.8	32.7	29.4	S	S	S	S	S	S
50,000 to 99,999 lb	41.3	43.5	45.5	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	**25.6**	**S**	**S**	**43.7**	**S**	**48.3**	**42.1**	**49.2**	**S**	**37.9**	**S**	**S**
Less than 50 lb	36.2	35.2	35.9	48.8	31.1	35.0	S	S	S	S	49.1	43.3
50 to 99 lb	S	40.0	43.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	46.1	36.1	41.6	S	S	S	S	S	S	47.9	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	48.7	48.2	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	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
All commodities	**7.1**	**16.1**	**16.4**	**6.9**	**20.1**	**21.7**	**20.3**	**14.8**	**14.9**
Less than 50 lb	18.1	9.4	9.2	10.4	8.5	8.4	25.6	25.4	25.2
50 to 99 lb	18.6	30.5	29.7	18.2	17.1	16.6	48.5	43.4	42.6
100 to 499 lb	13.6	18.6	17.6	10.9	13.5	13.4	25.7	25.3	24.8
500 to 749 lb	26.6	18.7	18.9	24.5	28.5	26.7	S	46.0	45.3
750 to 999 lb	25.9	23.2	25.0	24.0	11.9	12.3	S	20.9	21.0
1,000 to 9,999 lb	24.6	11.9	12.6	23.3	15.0	14.9	21.8	18.4	18.4
10,000 to 49,999 lb	20.0	15.1	14.8	11.7	17.6	16.6	20.8	12.8	13.1
50,000 to 99,999 lb	39.6	S	S	17.1	24.6	24.1	39.7	30.7	30.3
100,000 lb or more	9.3	17.4	17.6	13.3	27.9	29.4	S	28.4	28.1
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**45.3**	**45.2**	**41.1**	**S**	**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	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	S	48.3	46.9	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	46.7	42.3	S	S	S	–	–	–
SCTG 03, Other agricultural products	**36.3**	**39.2**	**40.1**	**47.5**	**S**	**S**	**28.1**	**49.5**	**49.7**
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	S
100 to 499 lb	S	49.5	S	47.7	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	41.0	41.3	S	S	S	S	S	S
10,000 to 49,999 lb	38.5	40.9	41.8	S	S	S	30.6	41.2	41.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**36.3**	**28.7**	**28.6**	**S**	**S**	**S**	**S**	**43.2**	**41.9**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	43.5	46.0	46.1	S	S	S	S	49.1	47.6
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	43.2	43.6	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**25.3**	**24.7**	**23.9**	**26.4**	**27.7**	**28.9**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	46.3	46.5	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	25.9	27.2	26.8	32.0	33.3	33.8	S	S	S
10,000 to 49,999 lb	25.6	22.6	22.0	30.0	30.1	31.0	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**48.5**	**43.1**	**42.7**	**43.8**	**40.8**	**41.6**	**44.1**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	49.9	49.3	48.3	–	–	–	S	S	S
10,000 to 49,999 lb	49.7	44.4	43.9	44.7	42.2	43.2	S	S	S
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 07, Other prepared foodstuffs and fats and oils	**17.9**	**15.5**	**16.6**	**16.8**	**15.7**	**16.1**	**27.6**	**28.2**	**28.5**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	45.4	S	S	S	46.1	46.0	S	49.0	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	44.1	44.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	43.8	43.5	44.4	–	–	–
1,000 to 9,999 lb	S	S	S	35.6	35.2	35.7	S	S	S
10,000 to 49,999 lb	23.2	18.1	18.5	20.5	19.1	19.1	21.8	25.8	25.8
50,000 to 99,999 lb	S	S	S	32.6	39.4	39.5	S	S	S
100,000 lb or more	26.9	27.8	28.7	38.3	28.4	28.3	S	S	S
SCTG 08, Alcoholic beverages	**42.9**	**45.0**	**45.4**	**43.5**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	42.8	49.5	S	34.6	37.5	37.2	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	46.4	46.5	48.2	S	S	–	–	–
SCTG 09, Tobacco products	**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	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**44.9**	**44.5**	**44.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 11, Natural sands	**S**	**37.9**	**37.6**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	41.2	41.6	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**32.2**	**29.9**	**29.4**	**32.8**	**32.2**	**31.7**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	47.2	45.3	S	47.3	47.3	S	S	S
10,000 to 49,999 lb	S	S	S	24.3	24.9	24.5	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	34.1	28.7	28.8	38.9	36.8	36.4	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	**36.9**	**S**	**S**	**38.5**	**30.6**	**30.6**	**42.9**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	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	S	S	S	40.9	33.3	33.6	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 15, Coal	**16.3**	**19.9**	**20.0**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	16.3	19.9	20.0	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**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	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**46.8**	**43.6**	**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	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	44.2	38.1	38.0	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**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	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	40.7	36.9	36.9	49.9	48.1	48.8	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 20, Basic chemicals	**23.8**	**32.8**	**32.2**	**13.6**	**25.8**	**26.6**	**37.2**	**S**	**S**
Less than 50 lb	48.4	S	S	44.4	S	S	S	49.6	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	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	S	S	S
10,000 to 49,999 lb	S	24.5	23.9	22.8	30.9	30.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	24.4	34.3	33.7	24.8	27.4	28.1	S	S	S
SCTG 21, Pharmaceutical products	**23.8**	**41.0**	**42.6**	**22.6**	**42.1**	**43.3**	**32.8**	**40.0**	**39.5**
Less than 50 lb	26.7	25.1	25.3	26.3	24.1	23.9	35.6	S	S
50 to 99 lb	S	S	S	S	S	S	35.6	S	S
100 to 499 lb	45.2	48.2	S	44.9	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	45.9	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	33.8	36.5	38.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**39.1**	**42.2**	**42.0**	**43.1**	**38.3**	**38.1**	**47.5**	**S**	**S**
Less than 50 lb	28.1	46.0	45.5	38.5	32.5	32.5	41.5	39.7	39.7
50 to 99 lb	S	S	S	S	S	S	43.7	S	S
100 to 499 lb	40.6	S	S	S	29.6	29.7	S	48.8	49.3
500 to 749 lb	46.8	32.0	31.9	45.1	41.3	39.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.6	26.8	26.3	S	45.7	45.6	S	47.7	48.3
10,000 to 49,999 lb	45.2	45.1	44.8	S	42.4	42.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**19.7**	**15.6**	**15.4**	**11.7**	**14.3**	**14.0**	**27.0**	**22.7**	**22.4**
Less than 50 lb	22.9	30.9	30.9	23.5	23.6	23.2	28.2	26.3	27.6
50 to 99 lb	33.7	26.3	25.7	26.4	41.7	39.5	44.9	S	S
100 to 499 lb	31.6	26.3	25.5	30.4	23.8	23.5	45.4	36.7	36.7
500 to 749 lb	S	26.3	26.9	46.7	S	S	S	32.0	31.8
750 to 999 lb	31.9	25.5	25.0	37.6	38.5	38.9	47.3	41.5	42.0
1,000 to 9,999 lb	21.3	18.2	19.0	20.6	23.7	24.0	34.1	37.3	37.5
10,000 to 49,999 lb	19.2	21.7	21.0	22.0	23.4	22.9	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**43.8**	**42.5**	**43.0**	**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	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**7.3**	**13.5**	**13.2**	**11.5**	**10.0**	**9.5**	**15.6**	**13.3**	**13.2**
Less than 50 lb	S	S	S	45.3	S	S	S	48.8	47.3
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	44.9	S	S	S	S	S	44.6	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	41.9	26.4	26.1	S	39.4	38.1	S	S	S
10,000 to 49,999 lb	11.0	31.6	31.9	17.0	13.2	13.0	29.0	22.7	22.8
50,000 to 99,999 lb	28.7	21.4	22.3	24.3	26.3	25.1	S	47.7	46.8
100,000 lb or more	12.8	11.6	11.6	12.8	12.1	11.7	21.5	16.2	16.1
SCTG 27, Pulp, newsprint, paper, and paperboard	**24.7**	**33.1**	**30.6**	**38.0**	**35.8**	**36.5**	**S**	**S**	**S**
Less than 50 lb	44.8	S	S	37.5	47.4	49.5	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	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.9	44.3	41.5	S	46.8	46.0	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	50.0	S	S	–	–	–
SCTG 28, Paper or paperboard articles	**22.5**	**31.4**	**31.5**	**33.3**	**26.9**	**28.1**	**S**	**S**	**S**
Less than 50 lb	S	39.5	39.0	39.2	41.8	41.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	45.6	39.5	40.1	S	S	S	S	S	S
500 to 749 lb	S	47.3	47.1	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	45.6	44.3	45.3	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	23.1	23.8	S	37.7	39.1	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**17.7**	**21.2**	**19.7**	**21.3**	**23.6**	**21.5**	**22.4**	**30.1**	**31.9**
Less than 50 lb	21.7	27.5	27.1	22.3	24.7	24.0	39.7	33.1	33.0
50 to 99 lb	S	S	S	28.6	31.4	31.4	S	S	S
100 to 499 lb	S	S	S	34.4	28.3	28.7	S	48.1	46.1
500 to 749 lb	S	S	S	38.3	S	S	S	S	S
750 to 999 lb	S	S	S	S	43.9	43.5	S	S	S
1,000 to 9,999 lb	31.5	30.2	30.3	S	S	S	33.7	31.7	29.6
10,000 to 49,999 lb	S	S	S	S	47.8	47.7	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**21.7**	**19.2**	**18.9**	**15.9**	**19.9**	**20.9**	**37.2**	**S**	**S**
Less than 50 lb	31.5	19.2	19.5	24.0	22.5	22.8	S	38.1	38.5
50 to 99 lb	22.1	20.6	21.5	24.0	23.9	22.5	29.9	32.0	34.0
100 to 499 lb	24.5	24.4	24.9	25.3	23.1	23.2	34.4	31.1	31.7
500 to 749 lb	32.1	29.4	29.5	S	S	S	S	S	S
750 to 999 lb	S	S	S	47.5	48.0	48.9	S	S	S
1,000 to 9,999 lb	S	49.6	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	36.6	40.9	43.6	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**20.3**	**46.9**	**48.8**	**22.0**	**29.4**	**29.8**	**35.1**	**33.8**	**33.3**
Less than 50 lb	41.8	32.4	30.4	33.9	S	S	45.3	S	S
50 to 99 lb	S	S	S	S	S	49.9	S	S	S
100 to 499 lb	38.0	45.3	46.4	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	47.0	46.1	48.0	37.2	S	S	40.4	S	S
10,000 to 49,999 lb	29.2	S	S	28.2	33.7	33.9	S	41.5	40.1
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**16.2**	**14.4**	**14.8**	**17.1**	**22.5**	**23.1**	**S**	**S**	**S**
Less than 50 lb	S	36.6	36.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	46.9	46.8
100 to 499 lb	25.9	27.9	27.7	34.0	35.8	29.2	S	S	S
500 to 749 lb	49.0	S	S	28.0	33.0	35.1	S	S	S
750 to 999 lb	S	S	S	45.6	46.4	45.8	S	S	S
1,000 to 9,999 lb	32.3	44.5	40.2	25.0	30.9	30.2	42.4	S	S
10,000 to 49,999 lb	37.3	37.8	37.8	27.5	30.0	28.7	S	36.3	37.2
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	25.2	21.0	21.1	33.2	32.7	32.6	S	S	S
SCTG 33, Articles of base metal	**13.2**	**16.8**	**16.0**	**18.9**	**22.6**	**23.1**	**32.3**	**S**	**S**
Less than 50 lb	28.1	18.9	18.9	27.6	22.1	21.9	S	23.9	24.0
50 to 99 lb	40.0	37.5	37.2	S	S	S	34.4	43.4	43.4
100 to 499 lb	22.3	19.8	18.3	S	26.8	26.3	37.2	34.8	33.0
500 to 749 lb	35.5	27.9	27.3	29.5	28.0	28.2	S	41.8	43.2
750 to 999 lb	42.1	30.9	34.2	S	S	S	46.5	46.7	46.2
1,000 to 9,999 lb	22.0	18.4	20.0	33.3	47.7	48.8	S	35.5	36.5
10,000 to 49,999 lb	22.3	27.2	26.7	29.3	32.5	32.3	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 34, Machinery	**17.2**	**43.1**	**39.3**	**22.0**	**48.2**	**47.1**	**35.4**	**40.4**	**43.2**
Less than 50 lb	26.1	9.3	9.5	31.4	18.6	18.4	S	22.5	22.5
50 to 99 lb	27.0	22.1	22.0	S	29.3	29.4	34.9	29.9	30.3
100 to 499 lb	32.1	21.4	21.6	15.2	30.2	31.4	32.6	42.4	41.5
500 to 749 lb	34.7	43.4	44.7	42.5	S	S	S	S	S
750 to 999 lb	39.9	45.9	46.9	S	S	S	S	S	S
1,000 to 9,999 lb	28.3	34.5	34.0	18.4	28.8	29.7	38.8	38.7	38.2
10,000 to 49,999 lb	42.4	39.6	40.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**22.0**	**22.0**	**22.0**	**15.6**	**18.5**	**19.0**	**31.0**	**35.2**	**35.4**
Less than 50 lb	31.7	24.4	24.5	16.7	23.9	24.5	33.4	S	S
50 to 99 lb	27.1	33.5	33.6	34.6	40.8	41.6	S	S	S
100 to 499 lb	21.1	38.6	35.6	23.0	21.0	20.9	44.4	45.0	44.8
500 to 749 lb	S	S	S	32.3	26.8	28.7	S	S	S
750 to 999 lb	S	S	S	44.2	42.0	43.7	S	S	S
1,000 to 9,999 lb	S	43.7	44.1	S	43.0	43.4	S	32.5	34.7
10,000 to 49,999 lb	36.2	41.4	41.1	S	38.1	36.9	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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)	**41.0**	**S**	**S**	**30.7**	**42.5**	**42.3**	**S**	**42.1**	**41.3**
Less than 50 lb	30.0	30.1	30.2	31.5	34.2	34.5	37.9	42.2	41.7
50 to 99 lb	28.7	33.3	33.9	49.2	S	S	S	S	S
100 to 499 lb	30.1	36.7	37.5	46.1	41.2	41.4	S	47.4	47.6
500 to 749 lb	37.1	43.4	43.0	S	S	S	S	S	S
750 to 999 lb	46.9	46.9	45.3	S	S	S	S	S	S
1,000 to 9,999 lb	42.4	S	S	41.4	41.7	42.8	S	S	S
10,000 to 49,999 lb	44.2	S	S	43.8	47.2	47.0	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**42.7**	**S**	**S**	**20.2**	**38.3**	**39.1**	**31.1**	**35.9**	**35.8**
Less than 50 lb	28.2	32.3	33.3	S	22.4	23.4	26.2	37.1	38.2
50 to 99 lb	34.3	38.4	36.2	40.6	39.7	39.9	S	S	S
100 to 499 lb	S	37.5	36.7	S	40.1	42.0	S	37.2	36.6
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	S	44.9	43.9	46.2	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	23.8	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**20.4**	**15.4**	**15.3**	**19.1**	**21.1**	**21.6**	**26.7**	**S**	**S**
Less than 50 lb	25.5	14.2	14.3	21.9	12.3	12.3	30.3	19.4	20.0
50 to 99 lb	46.1	16.5	16.9	45.3	33.0	32.9	S	46.7	45.7
100 to 499 lb	S	26.2	26.2	37.0	27.6	26.9	S	S	S
500 to 749 lb	S	48.1	48.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	46.7	34.9	34.7	37.5	39.0	38.3	S	S	S
10,000 to 49,999 lb	S	S	S	S	45.8	45.6	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	**27.1**	**27.5**	**28.0**	**17.2**	**20.6**	**21.0**	**41.2**	**45.5**	**46.0**
Less than 50 lb	S	S	S	46.8	44.2	43.2	S	45.2	44.2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.8	26.5	26.5	42.6	36.7	36.7	48.7	S	48.9
500 to 749 lb	39.2	33.6	34.2	S	43.1	44.0	S	S	S
750 to 999 lb	S	36.2	36.4	48.6	44.0	43.6	S	S	S
1,000 to 9,999 lb	34.4	28.2	28.5	30.5	26.0	26.0	S	42.1	41.1
10,000 to 49,999 lb	35.1	35.4	33.8	35.4	33.2	33.1	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**17.8**	**24.0**	**23.1**	**18.9**	**17.8**	**17.9**	**29.5**	**19.8**	**21.6**
Less than 50 lb	19.2	32.4	30.8	16.8	20.9	20.5	27.4	24.8	24.2
50 to 99 lb	43.8	S	S	31.3	48.9	47.4	S	13.1	14.2
100 to 499 lb	34.9	49.2	48.3	33.2	31.3	30.6	38.1	21.5	21.2
500 to 749 lb	22.2	18.8	19.5	S	S	S	S	47.0	48.2
750 to 999 lb	25.4	19.5	19.1	34.4	25.7	24.4	S	44.6	44.2
1,000 to 9,999 lb	22.7	19.7	19.5	24.1	14.1	14.1	29.7	32.2	33.2
10,000 to 49,999 lb	S	45.5	43.7	35.9	42.8	43.9	S	46.6	48.8
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 41, Waste and scrap	**36.0**	**27.8**	**29.5**	**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	33.2	31.1	30.4	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	49.1	49.3	S	S	S	–	–	–
SCTG 43, Mixed freight	**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	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	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
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	**38.8**	**S**	**S**	**34.5**	**S**	**S**	**49.4**	**S**	**S**
Less than 50 lb	40.6	45.2	49.5	46.6	44.0	42.8	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	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	48.6	49.7	48.3	S	42.5	41.8	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–

– 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.

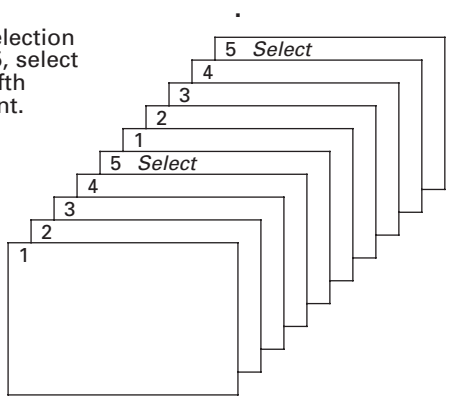
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

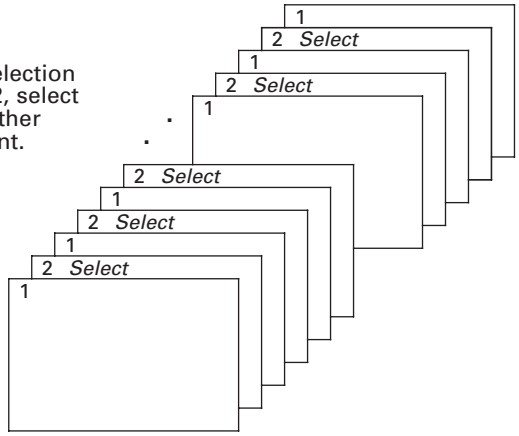
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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.

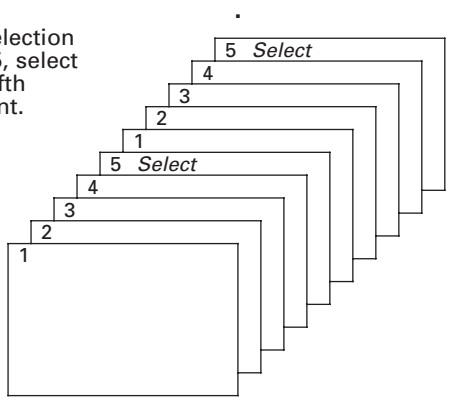
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

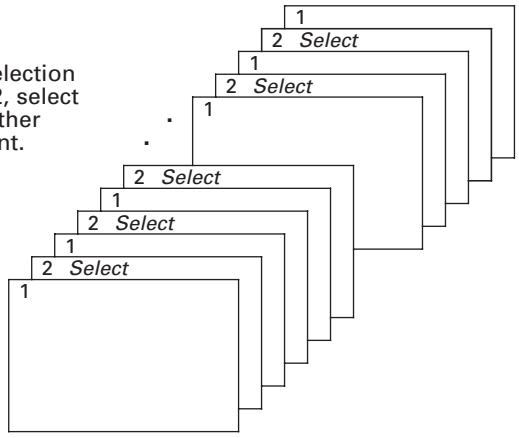
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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).

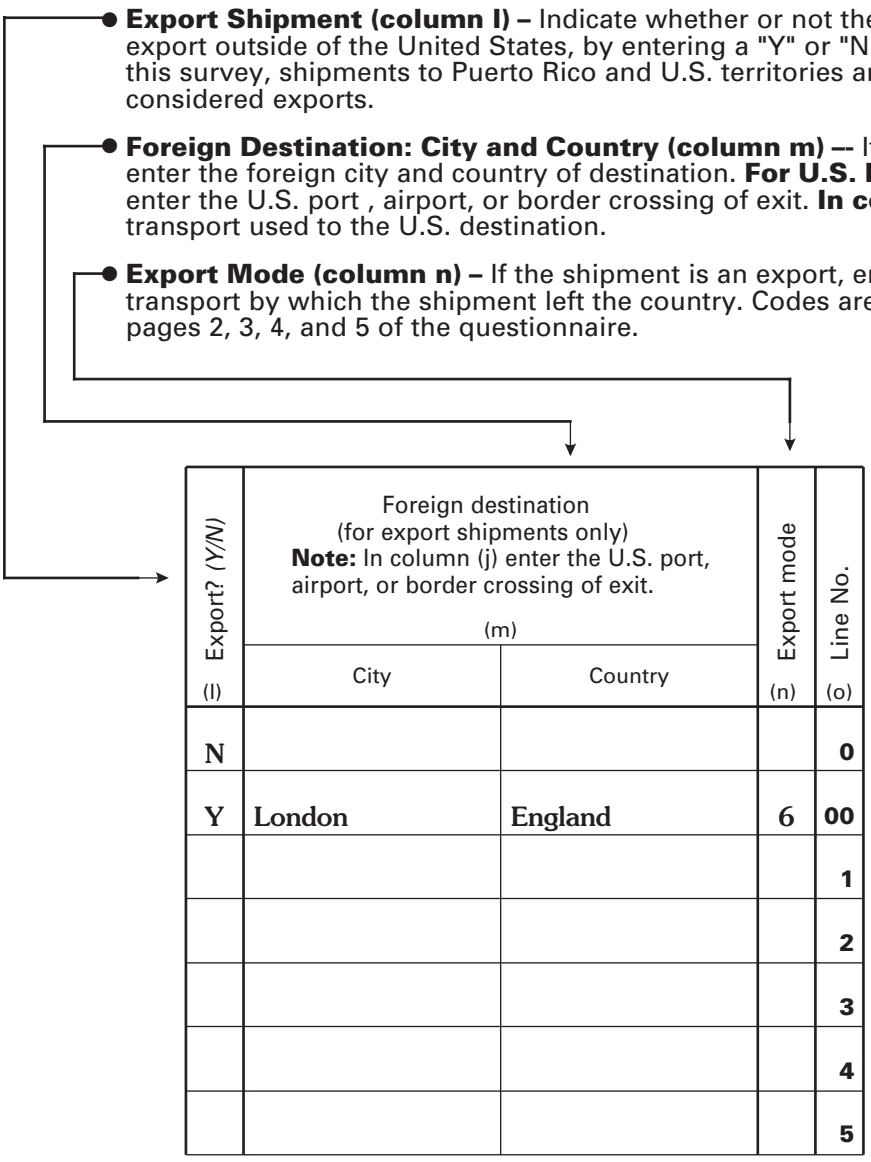
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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.