West South Central Division

1997

Issued April 2000

EC97TCF-DIV(7)

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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**	**365**
Single modes	**713 303**	**87.4**	**1 596 851**	**93.6**	**391 535**	**93.5**	**168**
Truck[1]	521 655	63.9	844 027	49.5	135 765	32.4	134
For-hire truck	280 117	34.3	357 553	21.0	97 589	23.3	468
Private truck	238 155	29.2	476 833	28.0	36 814	8.8	59
Rail	72 044	8.8	166 213	9.7	106 891	25.5	863
Water	37 452	4.6	226 900	13.3	100 912	24.1	391
Shallow draft	29 926	3.7	169 426	9.9	60 635	14.5	384
Great Lakes	–	–	–	–	–	–	–
Deep draft	7 526	.9	57 474	3.4	40 277	9.6	420
Air (includes truck and air)	21 088	2.6	286	–	360	–	1 310
Pipeline[2]	61 064	7.5	359 426	21.1	S	S	S
Multiple modes	**73 329**	**9.0**	**16 498**	**1.0**	**20 334**	**4.9**	**783**
Parcel, U.S. Postal Service or courier	68 270	8.4	1 639	.1	1 135	.3	782
Truck and rail	3 557	.4	5 140	.3	4 244	1.0	1 012
Truck and water	678	–	5 055	.3	S	S	4 716
Rail and water	S	S	S	S	S	S	1 269
Other multiple modes	S	S	4 643	.3	2 476	.6	S
Other and unknown modes	**29 254**	**3.6**	**92 182**	**5.4**	**6 728**	**1.6**	**85**

– 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	**815 886**	**663 698**	**22.9**	**1 705 530**	**1 461 685**	**16.7**	**418 597**	**374 562**	**11.8**	**365**	**299**	**22.2**
Single modes	**713 303**	**588 999**	**21.1**	**1 596 851**	**1 322 959**	**20.7**	**391 535**	**317 527**	**23.3**	**168**	**168**	**–**
Truck[1]	521 655	455 836	14.4	844 027	744 264	13.4	135 765	102 856	32.0	134	131	2.7
For-hire truck	280 117	240 482	16.5	357 553	345 332	3.5	97 589	71 624	36.3	468	444	5.2
Private truck	238 155	206 425	15.4	476 833	397 362	20.0	36 814	30 914	19.1	59	53	11.3
Rail	72 044	49 708	44.9	166 213	185 804	–10.5	106 891	108 193	–1.2	863	833	3.5
Water	37 452	24 161	55.0	226 900	142 789	58.9	100 912	81 288	24.1	391	S	S
Shallow draft	29 926	17 697	69.1	169 426	105 165	61.1	60 635	36 805	64.7	384	S	S
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	7 526	6 463	16.4	57 474	37 624	52.8	40 277	44 484	–9.5	420	1 181	–64.4
Air (includes truck and air)	21 088	11 082	90.3	286	S	S	360	244	47.9	1 310	1 212	8.1
Pipeline[2]	61 064	48 212	26.7	359 426	249 798	43.9	S	S	S	S	S	S
Multiple modes	**73 329**	**50 597**	**44.9**	**16 498**	**37 628**	**–56.2**	**20 334**	**43 207**	**–52.9**	**783**	**624**	**25.5**
Parcel, U.S. Postal Service or courier	68 270	39 489	72.9	1 639	1 263	29.8	1 135	728	55.9	782	619	26.4
Truck and rail	3 557	5 421	–34.4	5 140	4 076	26.1	4 244	2 802	51.5	1 012	1 003	.9
Truck and water	678	2 779	–75.6	5 055	11 781	–57.1	S	5 232	S	4 716	1 385	240.4
Rail and water	S	S	S	S	S	S	S	S	S	1 269	857	48.0
Other multiple modes	S	S	S	4 643	S	S	2 476	S	S	S	1 681	S
Other and unknown modes	**29 254**	**24 103**	**21.4**	**92 182**	**101 098**	**–8.8**	**6 728**	**13 828**	**–51.3**	**85**	**172**	**–50.8**

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

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

Table 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	**87.4**	**88.7**	**93.6**	**90.5**	**93.5**	**84.8**
Truck[1]	63.9	68.7	49.5	50.9	32.4	27.5
For-hire truck	34.3	36.2	21.0	23.6	23.3	19.1
Private truck	29.2	31.1	28.0	27.2	8.8	8.3
Rail	8.8	7.5	9.7	12.7	25.5	28.9
Water	4.6	3.6	13.3	9.8	24.1	21.7
Shallow draft	3.7	2.7	9.9	7.2	14.5	9.8
Great Lakes	–	–	–	–	–	–
Deep draft	.9	1.0	3.4	2.6	9.6	11.9
Air (includes truck and air)	2.6	1.7	–	S	–	–
Pipeline[2]	7.5	7.3	21.1	17.1	S	S
Multiple modes	**9.0**	**7.6**	**1.0**	**2.6**	**4.9**	**11.5**
Parcel, U.S. Postal Service or courier	8.4	5.9	.1	–	.3	.2
Truck and rail	.4	.8	.3	.3	1.0	.7
Truck and water	–	.4	.3	.8	S	1.4
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	.3	S	.6	S
Other and unknown modes	**3.6**	**3.6**	**5.4**	**6.9**	**1.6**	**3.7**

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

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

Table 2. **Shipment Characteristics by Total Modal Activity for the 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	**418 596**	**100.0**	**360**
Truck	136 206	32.5	133
Rail	110 929	26.5	870
Shallow draft	64 144	15.3	397
Great Lakes	S	S	654
Deep draft	50 310	12.0	2 289
Air	336	–	1 226
Parcel, U.S. Postal Service or courier	1 135	.3	782
Pipeline	S	S	S
Other and unknown modes	7 579	1.8	85

– 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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**
Less than 50 miles	269 880	33.1	986 461	57.8	19 356	4.6
50 to 99 miles	51 112	6.3	142 252	8.3	12 866	3.1
100 to 249 miles	131 804	16.2	205 713	12.1	43 153	10.3
250 to 499 miles	100 777	12.4	127 678	7.5	53 627	12.8
500 to 749 miles	61 867	7.6	88 748	5.2	73 719	17.6
750 to 999 miles	71 665	8.8	80 803	4.7	87 655	20.9
1,000 to 1,499 miles	106 226	13.0	64 499	3.8	107 455	25.7
1,500 to 1,999 miles	20 886	2.6	8 832	.5	19 143	4.6
2,000 miles or more	1 669	.2	544	–	1 622	.4
Single modes	**713 303**	**100.0**	**1 596 851**	**100.0**	**391 535**	**100.0**
Less than 50 miles	240 940	33.8	902 749	56.5	17 374	4.4
50 to 99 miles	47 506	6.7	139 462	8.7	12 611	3.2
100 to 249 miles	119 442	16.7	197 101	12.3	41 215	10.5
250 to 499 miles	91 197	12.8	124 806	7.8	52 212	13.3
500 to 749 miles	52 468	7.4	85 456	5.4	71 441	18.2
750 to 999 miles	61 240	8.6	78 852	4.9	85 077	21.7
1,000 to 1,499 miles	82 765	11.6	59 764	3.7	92 637	23.7
1,500 to 1,999 miles	16 755	2.3	8 184	.5	17 711	4.5
2,000 miles or more	992	.1	477	–	1 257	.3
Truck[1]	**521 655**	**100.0**	**844 027**	**100.0**	**135 765**	**100.0**
Less than 50 miles	174 831	33.5	515 157	61.0	11 259	8.3
50 to 99 miles	40 326	7.7	107 540	12.7	9 397	6.9
100 to 249 miles	98 124	18.8	101 147	12.0	19 645	14.5
250 to 499 miles	67 037	12.9	53 763	6.4	21 887	16.1
500 to 749 miles	35 825	6.9	25 026	3.0	18 829	13.9
750 to 999 miles	39 512	7.6	17 791	2.1	18 349	13.5
1,000 to 1,499 miles	53 559	10.3	19 828	2.3	28 875	21.3
1,500 to 1,999 miles	12 142	2.3	3 681	.4	7 310	5.4
2,000 miles or more	301	–	95	–	214	.2
For-hire truck	**280 117**	**100.0**	**357 553**	**100.0**	**97 589**	**100.0**
Less than 50 miles	52 829	18.9	160 248	44.8	4 072	4.2
50 to 99 miles	13 941	5.0	51 383	14.4	4 453	4.6
100 to 249 miles	45 552	16.3	50 899	14.2	10 313	10.6
250 to 499 miles	43 643	15.6	39 286	11.0	16 137	16.5
500 to 749 miles	28 698	10.2	19 015	5.3	14 276	14.6
750 to 999 miles	35 912	12.8	16 033	4.5	16 538	16.9
1,000 to 1,499 miles	48 215	17.2	17 350	4.9	25 132	25.8
1,500 to 1,999 miles	11 096	4.0	3 253	.9	6 475	6.6
2,000 miles or more	231	–	87	–	193	.2
Private truck	**238 155**	**100.0**	**476 833**	**100.0**	**36 814**	**100.0**
Less than 50 miles	120 863	50.7	348 277	73.0	6 860	18.6
50 to 99 miles	26 189	11.0	55 436	11.6	4 871	13.2
100 to 249 miles	51 687	21.7	48 728	10.2	9 010	24.5
250 to 499 miles	23 069	9.7	14 188	3.0	5 634	15.3
500 to 749 miles	6 952	2.9	5 890	1.2	4 458	12.1
750 to 999 miles	3 280	1.4	1 540	.3	1 589	4.3
1,000 to 1,499 miles	5 151	2.2	2 357	.5	3 575	9.7
1,500 to 1,999 miles	929	.4	409	–	797	2.2
2,000 miles or more	S	S	S	S	S	S
Rail	**72 044**	**100.0**	**166 213**	**100.0**	**106 891**	**100.0**
Less than 50 miles	8 382	11.6	42 545	25.6	697	.7
50 to 99 miles	1 321	1.8	6 714	4.0	805	.8
100 to 249 miles	5 888	8.2	26 538	16.0	6 911	6.5
250 to 499 miles	12 116	16.8	23 771	14.3	11 499	10.8
500 to 749 miles	9 134	12.7	19 867	12.0	17 028	15.9
750 to 999 miles	12 962	18.0	19 223	11.6	22 210	20.8
1,000 to 1,499 miles	18 658	25.9	23 356	14.1	38 052	35.6
1,500 to 1,999 miles	2 974	4.1	3 823	2.3	8 674	8.1
2,000 miles or more	609	.8	376	.2	1 016	1.0
Water	**37 452**	**100.0**	**226 900**	**100.0**	**100 912**	**100.0**
Less than 50 miles	13 952	37.3	84 748	37.4	2 035	2.0
50 to 99 miles	2 946	7.9	16 619	7.3	1 827	1.8
100 to 249 miles	7 247	19.4	36 986	16.3	9 211	9.1
250 to 499 miles	5 076	13.6	22 839	10.1	11 299	11.2
500 to 749 miles	3 229	8.6	30 989	13.7	29 558	29.3
750 to 999 miles	3 591	9.6	27 912	12.3	32 617	32.3
1,000 to 1,499 miles	1 318	3.5	6 136	2.7	12 656	12.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**29 926**	**100.0**	**169 426**	**100.0**	**60 635**	**100.0**
Less than 50 miles	10 727	35.8	66 884	39.5	1 682	2.8
50 to 99 miles	2 619	8.8	14 868	8.8	1 652	2.7
100 to 249 miles	6 979	23.3	34 235	20.2	8 282	13.7
250 to 499 miles	5 034	16.8	22 328	13.2	11 026	18.2
500 to 749 miles	2 342	7.8	19 740	11.7	20 695	34.1
750 to 999 miles	2 006	6.7	9 864	5.8	14 434	23.8
1,000 to 1,499 miles	219	.7	1 506	.9	2 864	4.7
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	**7 526**	**100.0**	**57 474**	**100.0**	**40 277**	**100.0**
Less than 50 miles	3 225	42.9	17 864	31.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	511	.9	273	.7
500 to 749 miles	S	S	11 248	19.6	8 862	22.0
750 to 999 miles	1 585	21.1	18 048	31.4	18 184	45.1
1,000 to 1,499 miles	1 098	14.6	4 630	8.1	9 792	24.3
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**21 088**	**100.0**	**286**	**100.0**	**360**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	4	1.5	1	.4
100 to 249 miles	1 279	6.1	S	S	S	S
250 to 499 miles	2 249	10.7	24	8.4	19	5.3
500 to 749 miles	2 785	13.2	S	S	108	30.0
750 to 999 miles	4 501	21.3	49	17.1	61	16.8
1,000 to 1,499 miles	8 330	39.5	67	23.5	110	30.7
1,500 to 1,999 miles	1 545	7.3	8	2.9	18	5.0
2,000 miles or more	83	.4	S	S	S	S
Pipeline[2]	**61 064**	**100.0**	**359 426**	**100.0**	**S**	**S**
Less than 50 miles	43 775	71.7	260 300	72.4	S	S
50 to 99 miles	2 595	4.2	8 585	2.4	S	S
100 to 249 miles	6 904	11.3	32 403	9.0	S	S
250 to 499 miles	4 720	7.7	24 409	6.8	S	S
500 to 749 miles	1 495	2.4	9 476	2.6	S	S
750 to 999 miles	673	1.1	13 876	3.9	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**73 329**	**100.0**	**16 498**	**100.0**	**20 334**	**100.0**
Less than 50 miles	9 352	12.8	3 445	20.9	179	.9
50 to 99 miles	2 494	3.4	175	1.1	17	–
100 to 249 miles	9 289	12.7	3 482	21.1	949	4.7
250 to 499 miles	7 916	10.8	1 275	7.7	875	4.3
500 to 749 miles	8 219	11.2	S	S	S	S
750 to 999 miles	9 897	13.5	1 529	9.3	2 160	10.6
1,000 to 1,499 miles	21 759	29.7	3 770	22.9	S	S
1,500 to 1,999 miles	3 824	5.2	437	2.7	1 014	5.0
2,000 miles or more	S	S	23	.1	109	.5
Parcel, U.S. Postal Service or courier	**68 270**	**100.0**	**1 639**	**100.0**	**1 135**	**100.0**
Less than 50 miles	8 593	12.6	257	15.7	6	.5
50 to 99 miles	2 388	3.5	86	5.2	8	.7
100 to 249 miles	9 082	13.3	278	17.0	59	5.2
250 to 499 miles	7 493	11.0	238	14.5	103	9.1
500 to 749 miles	7 508	11.0	192	11.7	143	12.6
750 to 999 miles	9 394	13.8	214	13.1	222	19.6
1,000 to 1,499 miles	19 817	29.0	291	17.7	420	37.0
1,500 to 1,999 miles	3 441	5.0	80	4.9	162	14.2
2,000 miles or more	S	S	4	.2	12	1.0
Truck and rail	**3 557**	**100.0**	**5 140**	**100.0**	**4 244**	**100.0**
Less than 50 miles	345	9.7	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	142	4.0	1 569	30.5	433	10.2
250 to 499 miles	320	9.0	445	8.7	232	5.5
500 to 749 miles	394	11.1	427	8.3	373	8.8
750 to 999 miles	388	10.9	262	5.1	322	7.6
1,000 to 1,499 miles	1 532	43.1	1 204	23.4	2 064	48.6
1,500 to 1,999 miles	371	10.4	333	6.5	772	18.2
2,000 miles or more	S	S	S	S	S	S
Truck and water	**678**	**100.0**	**5 055**	**100.0**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	15	2.1	7	.1	54	.4

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	**S**	**S**	**S**	**S**	**S**	**S**
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	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**S**	**S**	**4 643**	**100.0**	**2 476**	**100.0**
Less than 50 miles	413	50.8	2 335	50.3	151	6.1
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	6	.1	1	–
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**29 254**	**100.0**	**92 182**	**100.0**	**6 728**	**100.0**
Less than 50 miles	19 589	67.0	80 267	87.1	1 803	26.8
50 to 99 miles	1 113	3.8	2 615	2.8	238	3.5
100 to 249 miles	3 074	10.5	5 130	5.6	989	14.7
250 to 499 miles	1 665	5.7	1 597	1.7	540	8.0
500 to 749 miles	1 181	4.0	932	1.0	693	10.3
750 to 999 miles	528	1.8	422	.5	418	6.2
1,000 to 1,499 miles	1 702	5.8	964	1.0	1 374	20.4
1,500 to 1,999 miles	307	1.0	211	.2	418	6.2
2,000 miles 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.

[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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**	**365**
Less than 50 lb	79 085	9.7	1 777	.1	661	.2	466
50 to 99 lb	21 480	2.6	1 378	–	332	–	236
100 to 499 lb	68 219	8.4	8 590	.5	1 710	.4	201
500 to 749 lb	18 863	2.3	4 049	.2	665	.2	164
750 to 999 lb	13 931	1.7	3 506	.2	685	.2	197
1,000 to 9,999 lb	142 065	17.4	56 574	3.3	11 892	2.8	203
10,000 to 49,999 lb	254 852	31.2	487 166	28.6	102 109	24.4	210
50,000 to 99,999 lb	36 468	4.5	248 428	14.6	22 080	5.3	87
100,000 lb or more	180 923	22.2	894 065	52.4	278 462	66.5	611
Single modes	**713 303**	**100.0**	**1 596 851**	**100.0**	**391 535**	**100.0**	**168**
Less than 50 lb	31 131	4.4	901	–	119	–	156
50 to 99 lb	13 271	1.9	1 013	–	143	–	135
100 to 499 lb	53 787	7.5	7 758	.5	1 355	.3	170
500 to 749 lb	16 485	2.3	3 734	.2	606	.2	161
750 to 999 lb	12 685	1.8	3 235	.2	628	.2	195
1,000 to 9,999 lb	135 999	19.1	54 009	3.4	11 469	2.9	206
10,000 to 49,999 lb	246 274	34.5	474 097	29.7	96 971	24.8	205
50,000 to 99,999 lb	35 175	4.9	242 828	15.2	21 048	5.4	85
100,000 lb or more	168 496	23.6	809 275	50.7	259 196	66.2	615
Truck[1]	**521 655**	**100.0**	**844 027**	**100.0**	**135 765**	**100.0**	**134**
Less than 50 lb	19 967	3.8	878	.1	90	–	92
50 to 99 lb	10 708	2.1	999	.1	123	–	117
100 to 499 lb	50 609	9.7	7 719	.9	1 303	1.0	164
500 to 749 lb	15 555	3.0	3 719	.4	585	.4	157
750 to 999 lb	12 444	2.4	3 225	.4	614	.5	191
1,000 to 9,999 lb	129 312	24.8	53 582	6.3	10 905	8.0	197
10,000 to 49,999 lb	241 201	46.2	470 555	55.8	93 400	68.8	198
50,000 to 99,999 lb	31 175	6.0	238 887	28.3	18 753	13.8	78
100,000 lb or more	10 684	2.0	64 464	7.6	9 992	7.4	238
For-hire truck	**280 117**	**100.0**	**357 553**	**100.0**	**97 589**	**100.0**	**468**
Less than 50 lb	5 815	2.1	112	–	49	–	429
50 to 99 lb	4 076	1.5	137	–	72	–	513
100 to 499 lb	27 102	9.7	1 450	.4	914	.9	634
500 to 749 lb	7 285	2.6	662	.2	374	.4	564
750 to 999 lb	6 459	2.3	562	.2	370	.4	662
1,000 to 9,999 lb	65 219	23.3	12 983	3.6	6 915	7.1	563
10,000 to 49,999 lb	142 361	50.8	211 118	59.0	69 724	71.4	351
50,000 to 99,999 lb	14 020	5.0	109 052	30.5	11 124	11.4	101
100,000 lb or more	7 780	2.8	21 479	6.0	8 047	8.2	439
Private truck	**238 155**	**100.0**	**476 833**	**100.0**	**36 814**	**100.0**	**59**
Less than 50 lb	14 094	5.9	765	.2	40	.1	46
50 to 99 lb	6 609	2.8	860	.2	50	.1	56
100 to 499 lb	23 348	9.8	6 238	1.3	385	1.0	59
500 to 749 lb	8 083	3.4	3 022	.6	203	.6	66
750 to 999 lb	5 938	2.5	2 635	.6	241	.7	91
1,000 to 9,999 lb	63 260	26.6	40 014	8.4	3 858	10.5	91
10,000 to 49,999 lb	97 286	40.8	255 458	53.6	23 045	62.6	91
50,000 to 99,999 lb	16 779	7.0	126 423	26.5	7 334	19.9	59
100,000 lb or more	2 758	1.2	41 418	8.7	1 657	4.5	88
Rail	**72 044**	**100.0**	**166 213**	**100.0**	**106 891**	**100.0**	**863**
Less than 50 lb	S	S	S	S	S	S	543
50 to 99 lb	S	S	S	S	S	S	280
100 to 499 lb	53	–	S	S	S	S	1 364
500 to 749 lb	S	S	S	S	S	S	1 502
750 to 999 lb	13	–	S	S	S	S	1 122
1,000 to 9,999 lb	S	S	S	S	S	S	1 391
10,000 to 49,999 lb	S	S	2 851	1.7	3 373	3.2	1 222
50,000 to 99,999 lb	3 796	5.3	3 595	2.2	2 185	2.0	616
100,000 lb or more	60 183	83.5	159 449	95.9	100 874	94.4	765
Water	**37 452**	**100.0**	**226 900**	**100.0**	**100 912**	**100.0**	**391**
Less than 50 lb	S	S	S	S	S	S	93
50 to 99 lb	S	S	S	S	S	S	10
100 to 499 lb	S	S	S	S	S	S	15
500 to 749 lb	S	S	S	S	S	S	17
750 to 999 lb	S	S	S	S	S	S	14
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	149	–	50	–	180
50,000 to 99,999 lb	S	S	S	S	S	S	694
100,000 lb or more	37 112	99.1	226 635	99.9	100 787	99.9	482
Shallow draft	**29 926**	**100.0**	**169 426**	**100.0**	**60 635**	**100.0**	**384**
Less than 50 lb	S	S	S	S	S	S	100
50 to 99 lb	S	S	S	S	S	S	10
100 to 499 lb	S	S	S	S	S	S	19
500 to 749 lb	S	S	S	S	S	S	33
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	160
10,000 to 49,999 lb	S	S	112	–	S	S	157
50,000 to 99,999 lb	S	S	S	S	S	S	790
100,000 lb or more	29 631	99.0	169 217	99.9	60 525	99.8	440

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	**7 526**	**100.0**	**57 474**	**100.0**	**40 277**	**100.0**	**420**
Less than 50 lb	S	S	S	S	S	S	14
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	15
500 to 749 lb	S	S	S	S	S	S	14
750 to 999 lb	S	S	S	S	S	S	14
1,000 to 9,999 lb	S	S	S	S	S	S	12
10,000 to 49,999 lb	25	.3	38	–	S	S	291
50,000 to 99,999 lb	S	S	S	S	S	S	22
100,000 lb or more	7 481	99.4	57 418	99.9	40 262	100.0	750
Air (includes truck and air)	**21 088**	**100.0**	**286**	**100.0**	**360**	**100.0**	**1 310**
Less than 50 lb	11 144	52.8	23	7.9	29	8.0	1 302
50 to 99 lb	2 558	12.1	14	5.0	21	5.7	1 425
100 to 499 lb	3 108	14.7	36	12.6	48	13.3	1 337
500 to 749 lb	715	3.4	13	4.4	17	4.8	1 360
750 to 999 lb	227	1.1	7	2.5	11	2.9	1 493
1,000 to 9,999 lb	3 159	15.0	92	32.2	114	31.8	1 299
10,000 to 49,999 lb	S	S	S	S	S	S	1 059
50,000 to 99,999 lb	S	S	S	S	S	S	1 796
100,000 lb or more	–	–	–	–	–	–	–
Pipeline[2]	**61 064**	**100.0**	**359 426**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	254	.4	S	S	S	S	S
50,000 to 99,999 lb	S	S	235	–	S	S	S
100,000 lb or more	60 517	99.1	358 726	99.8	S	S	S
Multiple modes	**73 329**	**100.0**	**16 498**	**100.0**	**20 334**	**100.0**	**783**
Less than 50 lb	45 408	61.9	723	4.4	530	2.6	791
50 to 99 lb	7 439	10.1	277	1.7	184	.9	666
100 to 499 lb	12 753	17.4	485	2.9	333	1.6	698
500 to 749 lb	1 877	2.6	81	.5	49	.2	604
750 to 999 lb	784	1.1	70	.4	44	.2	628
1,000 to 9,999 lb	159	.2	53	.3	36	.2	492
10,000 to 49,999 lb	2 236	3.0	1 841	11.2	2 657	13.1	1 415
50,000 to 99,999 lb	453	.6	1 376	8.3	479	2.4	345
100,000 lb or more	2 220	3.0	11 592	70.3	S	S	931
Parcel, U.S. Postal Service or courier	**68 270**	**100.0**	**1 639**	**100.0**	**1 135**	**100.0**	**782**
Less than 50 lb	45 407	66.5	722	44.1	529	46.6	791
50 to 99 lb	7 439	10.9	277	16.9	184	16.2	666
100 to 499 lb	12 743	18.7	483	29.5	330	29.0	689
500 to 749 lb	1 872	2.7	80	4.9	48	4.2	603
750 to 999 lb	783	1.1	69	4.2	44	3.8	636
1,000 to 9,999 lb	26	–	S	S	1	.1	S
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**3 557**	**100.0**	**5 140**	**100.0**	**4 244**	**100.0**	**1 012**
Less than 50 lb	S	S	S	S	S	S	1 093
50 to 99 lb	S	S	S	S	S	S	988
100 to 499 lb	S	S	S	S	–	–	218
500 to 749 lb	S	S	S	S	S	S	574
750 to 999 lb	S	S	S	S	S	S	85
1,000 to 9,999 lb	121	3.4	24	.5	28	.7	955
10,000 to 49,999 lb	2 158	60.7	1 730	33.6	2 578	60.7	1 474
50,000 to 99,999 lb	369	10.4	1 220	23.7	444	10.5	359
100,000 lb or more	894	25.1	2 163	42.1	1 192	28.1	848
Truck and water	**678**	**100.0**	**5 055**	**100.0**	**S**	**S**	**4 716**
Less than 50 lb	S	S	S	S	S	S	3 501
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	7 514
500 to 749 lb	S	S	S	S	S	S	7 573
750 to 999 lb	S	S	S	S	S	S	104
1,000 to 9,999 lb	8	1.1	S	S	6	–	2 976
10,000 to 49,999 lb	S	S	S	S	67	.5	2 305
50,000 to 99,999 lb	S	S	24	.5	S	S	1 219
100,000 lb or more	S	S	4 999	98.9	S	S	1 186

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	**S**	**S**	**S**	**S**	**S**	**S**	**1 269**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	1 269
Other multiple modes	**S**	**S**	**4 643**	**100.0**	**2 476**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	3
50 to 99 lb	S	S	S	S	S	S	239
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	4
1,000 to 9,999 lb	S	S	S	S	S	S	14
10,000 to 49,999 lb	43	5.3	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	27
100,000 lb or more	S	S	S	S	2 460	99.3	1 303
Other and unknown modes	**29 254**	**100.0**	**92 182**	**100.0**	**6 728**	**100.0**	**85**
Less than 50 lb	2 546	8.7	153	.2	12	.2	84
50 to 99 lb	770	2.6	88	.1	5	–	55
100 to 499 lb	1 679	5.7	347	.4	22	.3	59
500 to 749 lb	501	1.7	233	.3	11	.2	49
750 to 999 lb	462	1.6	S	S	14	.2	S
1,000 to 9,999 lb	5 907	20.2	2 511	2.7	387	5.8	138
10,000 to 49,999 lb	6 341	21.7	11 227	12.2	2 481	36.9	242
50,000 to 99,999 lb	840	2.9	4 224	4.6	553	8.2	S
100,000 lb or more	10 207	34.9	73 198	79.4	3 243	48.2	244

– 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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**	**365**
01	Live animals and live fish	560	–	428	–	87	–	S
02	Cereal grains	9 384	1.2	70 162	4.1	7 528	1.8	86
03	Other agricultural products	9 053	1.1	25 815	1.5	5 146	1.2	S
04	Animal feed and products of animal origin, n.e.c.	10 690	1.3	35 085	2.1	5 125	1.2	S
05	Meat, fish, seafood, and their preparations	22 642	2.8	11 150	.7	5 342	1.3	142
06	Milled grain products and preparations, and bakery products	11 444	1.4	9 339	.5	3 946	.9	80
07	Other prepared foodstuffs and fats and oils	38 950	4.8	37 895	2.2	10 367	2.5	227
08	Alcoholic beverages	8 588	1.1	7 378	.4	1 306	.3	29
09	Tobacco products	1 554	.2	82	–	9	–	71
10	Monumental or building stone	234	–	816	–	S	S	176
11	Natural sands	503	–	73 534	4.3	4 124	1.0	S
12	Gravel and crushed stone	726	–	131 498	7.7	7 231	1.7	42
13	Nonmetallic minerals n.e.c.	1 077	.1	49 670	2.9	12 935	3.1	102
14	Metallic ores and concentrates	1 108	.1	S	S	2 495	.6	257
15	Coal	695	–	53 995	3.2	731	.2	61
17	Gasoline and aviation turbine fuel	46 250	5.7	311 370	18.3	83 880	20.0	42
18	Fuel oils	26 904	3.3	158 890	9.3	21 132	5.0	28
19	Coal and petroleum products, n.e.c.	29 109	3.6	138 935	8.1	30 748	7.3	166
20	Basic chemicals	78 957	9.7	153 669	9.0	73 024	17.4	187
21	Pharmaceutical products	12 753	1.6	726	–	556	.1	503
22	Fertilizers	4 831	.6	25 496	1.5	11 480	2.7	111
23	Chemical products and preparations, n.e.c.	20 948	2.6	14 388	.8	7 536	1.8	247
24	Plastics and rubber	42 545	5.2	33 850	2.0	25 399	6.1	315
25	Logs and other wood in the rough	1 317	.2	55 255	3.2	4 252	1.0	S
26	Wood products	15 860	1.9	59 334	3.5	19 247	4.6	279
27	Pulp, newsprint, paper, and paperboard	12 555	1.5	19 679	1.2	14 713	3.5	222
28	Paper or paperboard articles	10 077	1.2	6 976	.4	2 267	.5	210
29	Printed products	14 259	1.7	7 673	.4	1 210	.3	412
30	Textiles, leather, and articles of textiles or leather	28 345	3.5	3 763	.2	1 648	.4	844
31	Nonmetallic mineral products	11 407	1.4	102 475	6.0	14 392	3.4	234
32	Base metal in primary or semifinished forms and in finished basic shapes	23 133	2.8	31 810	1.9	15 013	3.6	210
33	Articles of base metal	28 083	3.4	18 168	1.1	6 561	1.6	284
34	Machinery	37 880	4.6	4 532	.3	2 423	.6	289
35	Electronic and other electrical equipment and components and office equipment	118 048	14.5	5 192	.3	3 258	.8	533
36	Motorized and other vehicles (including parts)	28 092	3.4	3 728	.2	1 805	.4	236
37	Transportation equipment, n.e.c.	7 400	.9	640	–	343	–	608
38	Precision instruments and apparatus	15 384	1.9	192	–	113	–	931
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12 596	1.5	1 997	.1	842	.2	463
40	Miscellaneous manufactured products	40 039	4.9	9 113	.5	4 117	1.0	583
41	Waste and scrap	2 098	.3	11 773	.7	2 732	.7	166
43	Mixed freight	25 621	3.1	10 899	.6	1 843	.4	113
--	Commodity unknown	4 186	.5	4 242	.2	1 584	.4	432

– 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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**	**365**
010	Live animals and live fish	560	–	428	–	87	–	S
021	Wheat	2 115	.3	15 573	.9	3 541	.8	154
022	Corn, except sweet	3 701	.5	33 109	1.9	1 774	.4	43
029	Other cereal grains	S	S	S	S	2 213	.5	114
031	Fresh or chilled potatoes (Irish potatoes), except sweet	508	–	S	S	S	S	37
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	1 539	.2	2 035	.1	544	.1	S
033	Fresh, chilled, or dried edible fruit and nuts	749	–	1 586	–	S	S	S
034	Soya beans	4 609	.6	17 589	1.0	1 947	.5	111
035	Oil seeds and nuts, except olives and soya beans	560	–	1 360	–	339	–	133
036	Bulbs, live plants, and seeds for sowing, n.e.c.	205	–	202	–	24	–	118
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	882	.1	1 693	.1	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	2 957	.4	9 869	.6	2 647	.6	206
042	Animal feed preparations	7 734	.9	25 216	1.5	2 478	.6	S
051	Meat including poultry, except preparations	20 935	2.6	10 736	.6	5 134	1.2	139
052	Fish, except live, and seafood, except preparations	1 239	.2	261	–	S	S	127
053	Preparations, extracts, and juices of meat, fish, or seafood	468	–	152	–	118	–	400
061	Wheat flour, groats, and meal	817	.1	2 739	.2	781	.2	107
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	1 405	.2	2 748	.2	1 909	.5	219
063	Food preparations of cereals, flour, starch, or milk	S	S	1 177	–	528	.1	319
064	Bakery products	6 197	.8	2 675	.2	728	.2	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	3 275	.4	3 737	.2	422	.1	51
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	6 763	.8	4 029	.2	1 887	.5	561
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 397	.3	620	–	540	.1	229
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 843	.3	6 000	.4	1 738	.4	162
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 658	.2	3 899	.2	1 573	.4	204
076	Confectionery, cocoa, and cocoa preparations	1 693	.2	347	–	297	–	295
077	Edible preparations, n.e.c. and vinegar	6 439	.8	4 005	.2	1 696	.4	343
078	Nonalcoholic beverages, n.e.c. and ice	13 882	1.7	15 257	.9	2 214	.5	55
081	Malt Beer	5 496	.7	6 562	.4	1 023	.2	25
082	Wine and other fermented beverages	549	–	162	–	6	–	30
083	Spirituous beverages and ethyl alcohol	2 543	.3	654	–	277	–	43
090	Tobacco products	1 554	.2	82	–	9	–	71
100	Monumental or building stone, except dolomite	234	–	816	–	S	S	176
110	Natural sands, except metal-bearing	503	–	73 534	4.3	4 124	1.0	S
120	Gravel and crushed stone, except dolomite and slate	726	–	131 498	7.7	7 231	1.7	42
131	Salt	284	–	10 828	.6	S	S	152
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	31	–	2	–	471
133	Dolomite	S	S	S	S	S	S	S
139	Other nonmetallic minerals	729	–	S	S	2 895	.7	106
141	Iron ores and concentrates	S	S	S	S	S	S	94
149	Other metallic ores and concentrates	1 073	.1	S	S	2 457	.6	392
151	Nonagglomerated bituminous coal	48	–	1 755	.1	275	–	138
159	Other coal	647	–	52 240	3.1	456	.1	S
171	Gasoline	41 921	5.1	251 265	14.7	61 230	14.6	40
172	Aviation turbine fuel (types A and B)	4 329	.5	60 105	3.5	22 651	5.4	118
180	Fuel oils	26 904	3.3	158 890	9.3	21 132	5.0	28
191	Lubricating oils and greases	10 675	1.3	20 633	1.2	10 952	2.6	241
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	5 302	.6	28 925	1.7	8 051	1.9	S
193	Gaseous hydrocarbons	8 241	1.0	33 400	2.0	3 091	.7	73
199	Other products of petroleum refining, and coal products	4 892	.6	55 978	3.3	8 653	2.1	109
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	3 005	.4	19 692	1.2	11 409	2.7	236
202	Inorganic chemicals, n.e.c.	9 573	1.2	39 956	2.3	12 641	3.0	92
203	Cyclic hydrocarbons	6 144	.8	10 288	.6	3 582	.9	300
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	11 418	1.4	15 687	.9	10 946	2.6	434
205	Organic chemicals, n.e.c.	48 817	6.0	68 046	4.0	34 445	8.2	438
210	Pharmaceutical products	12 753	1.6	726	–	556	.1	503
220	Fertilizers and fertilizer materials	4 831	.6	25 496	1.5	11 480	2.7	111
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	2 896	.4	1 566	–	561	.1	94
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	903	.1	S	S	84	–	451
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 862	.4	2 627	.2	2 374	.6	269
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	1 212	.1	120	–	S	S	185
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	4 624	.6	1 377	–	719	.2	141
239	Other chemical products and preparations	8 450	1.0	8 435	.5	3 751	.9	273
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	22 069	2.7	25 937	1.5	20 708	4.9	493
242	Manmade fibers and plastics basic shapes and articles	15 077	1.8	6 549	.4	3 862	.9	316

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	5 400	.7	1 364	–	829	.2	269
250	Logs and other wood in the rough	1 317	.2	55 255	3.2	4 252	1.0	S
261	Wood chips or particles	299	–	10 651	.6	1 168	.3	101
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5 703	.7	14 066	.8	3 887	.9	162
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	6 873	.8	S	S	S	S	264
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 729	.2	699	–	289	–	337
269	Other wood products	1 256	.2	S	S	651	.2	572
271	Pulp of fibrous cellulosic materials	74	–	S	S	188	–	274
272	Newsprint in large rolls or sheets	1 407	.2	2 367	.1	1 256	.3	450
273	Uncoated paper and paperboard in large rolls or sheets	7 796	1.0	12 686	.7	9 882	2.4	175
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 278	.4	4 281	.3	3 386	.8	292
280	Paper or paperboard articles	10 077	1.2	6 976	.4	2 267	.5	210
291	Printed books, brochures, leaflets, and similar printed products	4 445	.5	S	S	172	–	941
292	Newspapers, journals, and periodicals	4 301	.5	3 962	.2	S	S	21
293	Advertising material, commercial or trade catalogues, and similar printed products	1 792	.2	1 100	–	531	.1	S
299	Other printed products	3 721	.5	628	–	314	–	376
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	1 312	.2	266	–	216	–	756
302	Textile clothing and accessories, and headgear, except safety	20 153	2.5	S	S	781	.2	867
303	Textiles and textile articles, n.e.c.	3 780	.5	934	–	450	.1	797
304	Footwear	S	S	S	S	S	S	981
305	Leather and articles, luggage of related materials, and dressed furskins and articles	850	.1	S	S	S	S	644
311	Hydraulic cements	874	.1	12 887	.8	2 145	.5	150
312	Ceramic products	1 527	.2	3 196	.2	1 261	.3	415
313	Glass and glass products	3 008	.4	3 749	.2	2 116	.5	309
319	Other nonmetallic mineral products	5 999	.7	82 643	4.8	8 870	2.1	96
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 904	.2	2 318	.1	964	.2	179
322	Flat-rolled products of iron or steel	6 049	.7	S	S	S	S	149
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	7 149	.9	12 808	.8	7 772	1.9	205
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	8 032	1.0	4 036	.2	2 839	.7	304
331	Pipes, tubes, and fittings	14 244	1.7	11 392	.7	3 432	.8	262
332	Structures and parts, except prefabricated buildings	4 056	.5	4 420	.3	2 122	.5	241
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	5 665	.7	858	–	410	.1	303
339	Other articles of metal	4 119	.5	1 499	–	598	.1	299
341	Internal-combustion piston engines	3 064	.4	243	–	101	–	212
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	3 042	.4	278	–	213	–	498
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 831	.6	376	–	227	–	346
344	Air-conditioning, refrigerating, or freezing equipment	5 983	.7	1 169	–	657	.2	252
345	Materials-handling, excavating, boring, and related machinery and equipment	5 093	.6	923	–	547	.1	400
349	Other machinery	15 866	1.9	1 543	–	678	.2	278
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	5 613	.7	723	–	503	.1	417
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	843	.1	114	–	48	–	267
353	Line telephone or telegraph apparatus	10 628	1.3	181	–	134	–	582
354	Electronic entertainment products, except parts	S	S	387	–	260	–	723
355	Computer and office equipment	34 028	4.2	836	–	868	.2	821
356	Prepared unrecorded or prerecorded media	2 879	.4	S	S	S	S	849
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	2 992	.4	56	–	58	–	562
358	Electronic components and parts	32 074	3.9	S	S	107	–	975
359	Other electronic and electrical equipment	20 941	2.6	2 308	.1	1 151	.3	302
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	6 366	.8	684	–	604	.1	740
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	1 900	.2	290	–	152	–	239
363	Other vehicles	6 790	.8	1 519	–	376	–	255
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	13 036	1.6	1 235	–	674	.2	229
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	985	.1	425	–	117	–	518
372	Aircraft and spacecraft	5 280	.6	33	–	32	–	642
373	Ships, boats, and floating structures	1 135	.1	182	–	S	S	388
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	1 075
382	Photographic and photocopying machines	1 193	.1	23	–	5	–	580
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	618	–	9	–	2	–	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	3 002	.4	45	–	25	–	578
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	3 222	.4	72	–	38	–	442

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	12 596	1.5	1 997	.1	842	.2	463
401	Arms and ammunition	452	–	S	S	S	S	727
402	Toys, games, and sporting equipment	6 044	.7	S	S	420	.1	941
409	Miscellaneous manufactured products	33 543	4.1	8 451	.5	3 679	.9	453
411	Metallic waste and scrap	1 782	.2	7 902	.5	2 040	.5	176
412	Nonmetallic waste and scrap, except from food processing	315	–	3 870	.2	691	.2	152
439	Mixed freight	25 621	3.1	10 899	.6	1 843	.4	113
—	Commodity unknown	4 186	.5	4 242	.2	1 584	.4	432

– 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	**815 886**	**100.0**	**1 705 530**	**100.0**	**418 597**	**100.0**	**365**
Single modes	**713 303**	**87.4**	**1 596 851**	**93.6**	**391 535**	**93.5**	**168**
Truck[1]	521 655	63.9	844 027	49.5	135 765	32.4	134
For-hire truck	280 117	34.3	357 553	21.0	97 589	23.3	468
Private truck	238 155	29.2	476 833	28.0	36 814	8.8	59
Rail	72 044	8.8	166 213	9.7	106 891	25.5	863
Water	37 452	4.6	226 900	13.3	100 912	24.1	391
Shallow draft	29 926	3.7	169 426	9.9	60 635	14.5	384
Great Lakes	–	–	–	–	–	–	–
Deep draft	7 526	.9	57 474	3.4	40 277	9.6	420
Air (includes truck and air)	21 088	2.6	286	–	360	–	1 310
Pipeline[2]	61 064	7.5	359 426	21.1	S	S	S
Multiple modes	**73 329**	**9.0**	**16 498**	**1.0**	**20 334**	**4.9**	**783**
Parcel, U.S. Postal Service or courier	68 270	8.4	1 639	.1	1 135	.3	782
Truck and rail	3 557	.4	5 140	.3	4 244	1.0	1 012
Truck and water	678	–	5 055	.3	S	S	4 716
Rail and water	S	S	S	S	S	S	1 269
Other multiple modes	S	S	4 643	.3	2 476	.6	S
Other and unknown modes	**29 254**	**3.6**	**92 182**	**5.4**	**6 728**	**1.6**	**85**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**560**	**100.0**	**428**	**100.0**	**87**	**100.0**	**S**
Single modes	**549**	**98.1**	**423**	**98.9**	**86**	**99.7**	**S**
Truck[1]	549	98.1	423	98.9	86	99.7	S
For-hire truck	225	40.1	168	39.2	55	63.6	276
Private truck	324	58.0	256	59.7	31	36.1	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**976**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	976
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**26**
SCTG 02, CEREAL GRAINS							
Total	**9 384**	**100.0**	**70 162**	**100.0**	**7 528**	**100.0**	**86**
Single modes	**4 665**	**49.7**	**36 350**	**51.8**	**6 376**	**84.7**	**85**
Truck[1]	2 357	25.1	17 598	25.1	1 895	25.2	79
For-hire truck	1 383	14.7	11 149	15.9	1 393	18.5	162
Private truck	967	10.3	6 408	9.1	498	6.6	44
Rail	766	8.2	5 532	7.9	2 396	31.8	643
Water	1 541	16.4	13 221	18.8	2 085	27.7	644
Shallow draft	S	S	S	S	2 054	27.3	745
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	10
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**457**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 133
Truck and rail	S	S	S	S	S	S	151
Truck and water	S	S	S	S	S	S	399
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**33 064**	**47.1**	**1 118**	**14.9**	**107**

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	**9 053**	**100.0**	**25 815**	**100.0**	**5 146**	**100.0**	**S**
Single modes	**7 904**	**87.3**	**22 036**	**85.4**	**4 930**	**95.8**	**S**
Truck[1]	4 555	50.3	9 070	35.1	3 004	58.4	S
For-hire truck	1 805	19.9	4 562	17.7	2 601	50.5	574
Private truck	2 732	30.2	4 435	17.2	400	7.8	33
Rail	S	S	S	S	444	8.6	616
Water	2 778	30.7	10 922	42.3	1 482	28.8	407
Shallow draft	S	S	S	S	1 289	25.1	500
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	33
Air (includes truck and air)	S	S	S	S	S	S	1 069
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 072**
Parcel, U.S. Postal Service or courier	S	S	2	–	1	–	1 078
Truck and rail	S	S	S	S	S	S	754
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 065**	**11.8**	**S**	**S**	**151**	**2.9**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**10 690**	**100.0**	**35 085**	**100.0**	**5 125**	**100.0**	**S**
Single modes	**9 767**	**91.4**	**32 903**	**93.8**	**4 791**	**93.5**	**S**
Truck[1]	9 280	86.8	30 833	87.9	3 933	76.7	S
For-hire truck	2 225	20.8	6 053	17.3	1 816	35.4	298
Private truck	7 054	66.0	24 778	70.6	2 116	41.3	S
Rail	405	3.8	1 239	3.5	808	15.8	800
Water	S	S	S	S	S	S	308
Shallow draft	S	S	S	S	S	S	308
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**618**	**5.8**	**1 290**	**3.7**	**263**	**5.1**	**1 254**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 308
Truck and rail	423	4.0	199	.6	159	3.1	764
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	152	1.4	S	S	S	S	93
Other and unknown modes	**306**	**2.9**	**891**	**2.5**	**71**	**1.4**	**28**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**22 642**	**100.0**	**11 150**	**100.0**	**5 342**	**100.0**	**142**
Single modes	**22 419**	**99.0**	**10 973**	**98.4**	**5 252**	**98.3**	**140**
Truck[1]	21 890	96.7	10 641	95.4	5 009	93.8	139
For-hire truck	11 760	51.9	5 497	49.3	3 886	72.7	714
Private truck	9 915	43.8	5 048	45.3	1 070	20.0	82
Rail	S	S	S	S	242	4.5	1 118
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 566
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**856**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	847
Truck and rail	S	S	S	S	S	S	2 574
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**212**	**.9**	**167**	**1.5**	**66**	**1.2**	**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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**11 444**	**100.0**	**9 339**	**100.0**	**3 946**	**100.0**	**80**
Single modes	**11 338**	**99.1**	**9 178**	**98.3**	**3 837**	**97.2**	**72**
Truck[1]	10 843	94.7	8 021	85.9	2 628	66.6	70
For-hire truck	2 393	20.9	3 807	40.8	1 708	43.3	438
Private truck	8 386	73.3	4 181	44.8	909	23.0	55
Rail	487	4.3	1 147	12.3	1 196	30.3	1 151
Water	S	S	S	S	S	S	1 204
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 204
Air (includes truck and air)	S	S	S	S	S	S	168
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**35**	**.3**	**61**	**.7**	**81**	**2.1**	**769**
Parcel, U.S. Postal Service or courier	6	–	S	S	S	S	755
Truck and rail	28	.2	57	.6	S	S	1 132
Truck and water	S	S	S	S	S	S	7 273
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**72**	**.6**	**99**	**1.1**	**28**	**.7**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**38 950**	**100.0**	**37 895**	**100.0**	**10 367**	**100.0**	**227**
Single modes	**38 157**	**98.0**	**37 304**	**98.4**	**9 815**	**94.7**	**81**
Truck[1]	36 461	93.6	33 250	87.7	7 866	75.9	80
For-hire truck	12 351	31.7	11 801	31.1	5 299	51.1	441
Private truck	23 981	61.6	21 119	55.7	2 500	24.1	61
Rail	886	2.3	1 858	4.9	1 605	15.5	931
Water	718	1.8	1 987	5.2	S	S	268
Shallow draft	718	1.8	1 987	5.2	S	S	268
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 530
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**494**	**1.3**	**305**	**.8**	**404**	**3.9**	**973**
Parcel, U.S. Postal Service or courier	S	S	20	–	S	S	973
Truck and rail	334	.9	S	S	307	3.0	1 460
Truck and water	S	S	S	S	S	S	182
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	872
Other and unknown modes	**299**	**.8**	**286**	**.8**	**148**	**1.4**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**8 588**	**100.0**	**7 378**	**100.0**	**1 306**	**100.0**	**29**
Single modes	**8 495**	**98.9**	**7 287**	**98.8**	**1 301**	**99.7**	**29**
Truck[1]	8 042	93.7	6 874	93.2	1 016	77.8	28
For-hire truck	1 558	18.1	1 629	22.1	773	59.2	256
Private truck	6 485	75.5	5 245	71.1	243	18.6	25
Rail	451	5.2	S	S	S	S	950
Water	S	S	S	S	S	S	14
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**88**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	173
Truck and rail	S	S	S	S	S	S	69
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**81**	**.9**	**78**	**1.1**	**S**	**S**	**23**

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	**1 554**	**100.0**	**82**	**100.0**	**9**	**100.0**	**71**
Single modes	**1 498**	**96.4**	**79**	**96.4**	**9**	**96.8**	**72**
Truck[1]	1 495	96.2	78	95.8	9	96.7	72
For-hire truck	S	S	S	S	S	S	70
Private truck	1 469	94.6	78	94.6	8	91.1	72
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	14
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	14
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**154**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	172
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	3
Other and unknown modes	**54**	**3.5**	**3**	**3.5**	**S**	**S**	**55**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**234**	**100.0**	**816**	**100.0**	**S**	**S**	**176**
Single modes	**229**	**97.9**	**814**	**99.8**	**S**	**S**	**68**
Truck[1]	229	97.9	814	99.8	S	S	68
For-hire truck	S	S	S	S	S	S	297
Private truck	S	S	S	S	S	S	40
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**974**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	974
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**–**	**.1**	**2**	**.2**	**S**	**S**	**11**
SCTG 11, NATURAL SANDS							
Total	**503**	**100.0**	**73 534**	**100.0**	**4 124**	**100.0**	**S**
Single modes	**482**	**95.9**	**72 346**	**98.4**	**3 995**	**96.9**	**S**
Truck[1]	424	84.4	67 388	91.6	2 302	55.8	29
For-hire truck	211	41.9	27 371	37.2	1 366	33.1	47
Private truck	214	42.5	40 018	54.4	936	22.7	18
Rail	S	S	S	S	S	S	304
Water	S	S	S	S	S	S	226
Shallow draft	S	S	S	S	S	S	226
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	797
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**889**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 193
Truck and rail	S	S	S	S	S	S	42
Truck and water	S	S	S	S	S	S	212
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11**	**2.3**	**1 162**	**1.6**	**S**	**S**	**141**

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	**726**	**100.0**	**131 498**	**100.0**	**7 231**	**100.0**	**42**
Single modes	**710**	**97.8**	**129 410**	**98.4**	**7 055**	**97.6**	**41**
Truck[1]	650	89.6	118 449	90.1	5 069	70.1	39
For-hire truck	259	35.8	50 087	38.1	2 461	34.0	47
Private truck	382	52.6	67 323	51.2	2 516	34.8	33
Rail	50	6.9	9 483	7.2	1 715	23.7	190
Water	S	S	S	S	S	S	180
Shallow draft	S	S	S	S	S	S	180
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**517**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 348
Truck and rail	S	S	S	S	S	S	425
Truck and water	S	S	S	S	S	S	220
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**1 932**	**1.5**	**125**	**1.7**	**70**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**1 077**	**100.0**	**49 670**	**100.0**	**12 935**	**100.0**	**102**
Single modes	**1 025**	**95.2**	**49 468**	**99.6**	**12 887**	**99.6**	**97**
Truck[1]	813	75.5	38 694	77.9	3 102	24.0	90
For-hire truck	489	45.4	10 644	21.4	2 016	15.6	232
Private truck	323	30.0	S	S	1 078	8.3	37
Rail	101	9.4	1 895	3.8	1 254	9.7	637
Water	109	10.1	S	S	S	S	813
Shallow draft	99	9.2	S	S	S	S	1 015
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	177
Air (includes truck and air)	S	S	S	S	S	S	1 468
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**9**	**.9**	**S**	**S**	**–**	**–**	**319**
Parcel, U.S. Postal Service or courier	8	.8	S	S	–	–	329
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	334
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	14
Other and unknown modes	**42**	**3.9**	**S**	**S**	**S**	**S**	**165**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**1 108**	**100.0**	**S**	**S**	**2 495**	**100.0**	**257**
Single modes	**1 074**	**97.0**	**S**	**S**	**2 364**	**94.8**	**260**
Truck[1]	S	S	S	S	286	11.5	190
For-hire truck	S	S	S	S	245	9.8	535
Private truck	205	18.5	219	5.6	S	S	S
Rail	146	13.2	906	23.1	1 095	43.9	1 282
Water	S	S	S	S	983	39.4	396
Shallow draft	93	8.4	562	14.3	907	36.4	824
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	48
Air (includes truck and air)	S	S	S	S	S	S	1 590
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**603**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	457
Truck and rail	S	S	S	S	S	S	1 834
Truck and water	S	S	S	S	S	S	1 722
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 15, COAL							
Total	**695**	**100.0**	**53 995**	**100.0**	**731**	**100.0**	**61**
Single modes	**385**	**55.3**	**29 005**	**53.7**	**400**	**54.7**	**47**
Truck[1]	174	25.0	10 586	19.6	204	27.9	44
For-hire truck	52	7.5	2 435	4.5	140	19.2	S
Private truck	121	17.4	8 151	15.1	64	8.7	S
Rail	211	30.4	18 419	34.1	197	26.9	S
Water	S	S	S	S	S	S	11
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**328**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	25
Truck and rail	S	S	S	S	S	S	417
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**299**	**43.0**	**24 586**	**45.5**	**205**	**28.1**	**16**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**46 250**	**100.0**	**311 370**	**100.0**	**83 880**	**100.0**	**42**
Single modes	**45 443**	**98.3**	**307 713**	**98.8**	**73 369**	**87.5**	**46**
Truck[1]	14 378	31.1	58 453	18.8	2 936	3.5	43
For-hire truck	5 692	12.3	20 073	6.4	1 710	2.0	90
Private truck	8 519	18.4	37 742	12.1	1 176	1.4	25
Rail	S	S	S	S	37	–	448
Water	4 712	10.2	45 949	14.8	35 333	42.1	705
Shallow draft	3 058	6.6	21 417	6.9	13 152	15.7	544
Great Lakes	–	–	–	–	–	–	–
Deep draft	1 654	3.6	S	S	S	S	907
Air (includes truck and air)	S	S	S	S	S	S	1 444
Pipeline[2]	26 302	56.9	203 058	65.2	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	1 068
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	5 291
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**398**	**.9**	**1 393**	**.4**	**35**	**–**	**S**
SCTG 18, FUEL OILS							
Total	**26 904**	**100.0**	**158 890**	**100.0**	**21 132**	**100.0**	**28**
Single modes	**26 032**	**96.8**	**154 737**	**97.4**	**20 225**	**95.7**	**29**
Truck[1]	6 383	23.7	28 054	17.7	1 501	7.1	28
For-hire truck	1 688	6.3	6 761	4.3	661	3.1	101
Private truck	4 684	17.4	21 234	13.4	835	4.0	21
Rail	63	.2	453	.3	326	1.5	740
Water	4 062	15.1	33 080	20.8	8 581	40.6	S
Shallow draft	3 197	11.9	25 875	16.3	5 565	26.3	119
Great Lakes	–	–	–	–	–	–	–
Deep draft	865	3.2	7 205	4.5	S	S	319
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	15 525	57.7	93 150	58.6	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
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	S
Other and unknown modes	**418**	**1.6**	**1 749**	**1.1**	**65**	**.3**	**16**

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	**29 109**	**100.0**	**138 935**	**100.0**	**30 748**	**100.0**	**166**
Single modes	**27 782**	**95.4**	**136 063**	**97.9**	**29 826**	**97.0**	**166**
Truck[1]	9 011	31.0	37 787	27.2	7 679	25.0	158
For-hire truck	4 589	15.8	23 119	16.6	3 929	12.8	272
Private truck	3 999	13.7	13 062	9.4	S	S	144
Rail	4 081	14.0	13 274	9.6	7 962	25.9	645
Water	7 518	25.8	49 829	35.9	12 812	41.7	437
Shallow draft	6 611	22.7	43 654	31.4	6 665	21.7	338
Great Lakes	–	–	–	–	–	–	–
Deep draft	907	3.1	6 174	4.4	6 147	20.0	932
Air (includes truck and air)	S	S	S	S	S	S	1 753
Pipeline[2]	7 163	24.6	35 171	25.3	S	S	S
Multiple modes	**S**	**S**	**477**	**.3**	**590**	**1.9**	**736**
Parcel, U.S. Postal Service or courier	S	S	2	–	1	–	626
Truck and rail	S	S	S	S	S	S	1 482
Truck and water	S	S	S	S	S	S	251
Rail and water	S	S	S	S	S	S	417
Other multiple modes	S	S	S	S	S	S	1 856
Other and unknown modes	**1 051**	**3.6**	**2 395**	**1.7**	**332**	**1.1**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**78 957**	**100.0**	**153 669**	**100.0**	**73 024**	**100.0**	**187**
Single modes	**75 396**	**95.5**	**145 416**	**94.6**	**70 346**	**96.3**	**161**
Truck[1]	24 385	30.9	39 178	25.5	13 596	18.6	109
For-hire truck	19 566	24.8	25 514	16.6	S	S	415
Private truck	4 481	5.7	13 221	8.6	1 869	2.6	39
Rail	26 509	33.6	37 888	24.7	32 344	44.3	1 029
Water	13 602	17.2	43 790	28.5	23 713	32.5	441
Shallow draft	11 332	14.4	34 897	22.7	15 792	21.6	465
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 269	2.9	8 893	5.8	7 922	10.8	313
Air (includes truck and air)	S	S	–	–	–	–	1 296
Pipeline[2]	10 814	13.7	24 559	16.0	S	S	S
Multiple modes	**663**	**.8**	**1 202**	**.8**	**1 487**	**2.0**	**515**
Parcel, U.S. Postal Service or courier	176	.2	S	S	S	S	502
Truck and rail	331	.4	281	.2	388	.5	1 577
Truck and water	S	S	S	S	S	S	1 280
Rail and water	S	S	S	S	S	S	4 355
Other multiple modes	75	.1	S	S	S	S	475
Other and unknown modes	**2 899**	**3.7**	**7 051**	**4.6**	**1 191**	**1.6**	**83**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**12 753**	**100.0**	**726**	**100.0**	**556**	**100.0**	**503**
Single modes	**9 388**	**73.6**	**654**	**90.1**	**514**	**92.5**	**182**
Truck[1]	9 167	71.9	640	88.2	499	89.8	146
For-hire truck	5 605	44.0	472	65.0	441	79.4	248
Private truck	3 479	27.3	166	22.9	57	10.3	88
Rail	S	S	S	S	S	S	1 171
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	199	1.6	S	S	S	S	1 367
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 295**	**25.8**	**65**	**8.9**	**41**	**7.4**	**654**
Parcel, U.S. Postal Service or courier	3 255	25.5	60	8.3	29	5.2	654
Truck and rail	S	S	4	.5	7	1.2	1 890
Truck and water	S	S	S	S	S	S	7 411
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**70**	**.6**	**7**	**1.0**	**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 22, FERTILIZERS							
Total	**4 831**	**100.0**	**25 496**	**100.0**	**11 480**	**100.0**	**111**
Single modes	**4 308**	**89.2**	**22 807**	**89.5**	**10 940**	**95.3**	**105**
Truck[1]	2 424	50.2	10 250	40.2	1 959	17.1	71
For-hire truck	556	11.5	3 116	12.2	1 269	11.1	291
Private truck	1 773	36.7	6 487	25.4	610	5.3	43
Rail	937	19.4	6 098	23.9	4 849	42.2	782
Water	784	16.2	5 507	21.6	3 534	30.8	363
Shallow draft	741	15.3	5 156	20.2	3 330	29.0	360
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	526
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	163	3.4	952	3.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 277**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 278
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	1 238
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 280
Other and unknown modes	**S**	**S**	**S**	**S**	**84**	**.7**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**20 948**	**100.0**	**14 388**	**100.0**	**7 536**	**100.0**	**247**
Single modes	**19 345**	**92.3**	**13 124**	**91.2**	**6 950**	**92.2**	**151**
Truck[1]	16 105	76.9	9 558	66.4	4 702	62.4	139
For-hire truck	10 015	47.8	6 112	42.5	4 106	54.5	490
Private truck	5 950	28.4	3 000	20.9	459	6.1	43
Rail	2 302	11.0	2 112	14.7	2 199	29.2	999
Water	S	S	S	S	S	S	158
Shallow draft	S	S	S	S	S	S	181
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	32
Air (includes truck and air)	35	.2	3	–	3	–	1 519
Pipeline[2]	S	S	422	2.9	S	S	S
Multiple modes	**1 089**	**5.2**	**194**	**1.3**	**281**	**3.7**	**542**
Parcel, U.S. Postal Service or courier	835	4.0	57	.4	26	.3	540
Truck and rail	254	1.2	137	1.0	253	3.4	1 841
Truck and water	S	S	S	S	S	S	4 288
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**515**	**2.5**	**S**	**S**	**S**	**S**	**40**
SCTG 24, PLASTICS AND RUBBER							
Total	**42 545**	**100.0**	**33 850**	**100.0**	**25 399**	**100.0**	**315**
Single modes	**38 786**	**91.2**	**31 727**	**93.7**	**24 102**	**94.9**	**221**
Truck[1]	24 374	57.3	13 410	39.6	7 069	27.8	199
For-hire truck	18 238	42.9	10 649	31.5	6 466	25.5	550
Private truck	5 965	14.0	2 676	7.9	555	2.2	65
Rail	14 297	33.6	18 276	54.0	17 023	67.0	939
Water	S	S	S	S	S	S	105
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	105
Air (includes truck and air)	96	.2	7	–	9	–	1 397
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**2 146**	**5.0**	**687**	**2.0**	**944**	**3.7**	**618**
Parcel, U.S. Postal Service or courier	1 552	3.6	82	.2	51	.2	612
Truck and rail	591	1.4	604	1.8	892	3.5	1 429
Truck and water	S	S	S	S	S	S	6 559
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 614**	**3.8**	**S**	**S**	**354**	**1.4**	**57**

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	**1 317**	**100.0**	**55 255**	**100.0**	**4 252**	**100.0**	**S**
Single modes	**1 307**	**99.2**	**53 612**	**97.0**	**3 859**	**90.8**	**63**
Truck[1]	1 230	93.4	48 998	88.7	2 825	66.4	62
For-hire truck	518	39.3	17 344	31.4	1 089	25.6	S
Private truck	690	52.4	29 490	53.4	1 548	36.4	55
Rail	19	1.4	S	S	78	1.8	316
Water	S	S	S	S	S	S	219
Shallow draft	S	S	S	S	S	S	219
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 263
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 390**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 414
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	266
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**118**
SCTG 26, WOOD PRODUCTS							
Total	**15 860**	**100.0**	**59 334**	**100.0**	**19 247**	**100.0**	**279**
Single modes	**15 478**	**97.6**	**58 666**	**98.9**	**18 854**	**98.0**	**185**
Truck[1]	12 275	77.4	44 010	74.2	8 801	45.7	168
For-hire truck	6 319	39.8	28 344	47.8	6 368	33.1	340
Private truck	5 892	37.1	15 344	25.9	2 387	12.4	100
Rail	3 185	20.1	S	S	9 990	51.9	775
Water	S	S	S	S	S	S	541
Shallow draft	S	S	S	S	S	S	1 011
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	12
Air (includes truck and air)	S	S	S	S	–	–	993
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**161**	**1.0**	**S**	**S**	**S**	**S**	**969**
Parcel, U.S. Postal Service or courier	S	S	10	–	S	S	968
Truck and rail	S	S	S	S	S	S	1 287
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	239
Other and unknown modes	**220**	**1.4**	**555**	**.9**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**12 555**	**100.0**	**19 679**	**100.0**	**14 713**	**100.0**	**222**
Single modes	**12 279**	**97.8**	**19 206**	**97.6**	**14 308**	**97.2**	**219**
Truck[1]	8 761	69.8	10 998	55.9	6 128	41.7	184
For-hire truck	5 550	44.2	8 470	43.0	5 619	38.2	587
Private truck	3 209	25.6	2 527	12.8	509	3.5	53
Rail	3 512	28.0	8 200	41.7	8 176	55.6	997
Water	S	S	S	S	S	S	78
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	78
Air (includes truck and air)	S	S	S	S	S	S	862
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**156**	**1.2**	**177**	**.9**	**318**	**2.2**	**471**
Parcel, U.S. Postal Service or courier	29	.2	7	–	1	–	411
Truck and rail	126	1.0	168	.9	302	2.1	1 799
Truck and water	S	S	S	S	S	S	6 679
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**119**	**1.0**	**S**	**S**	**S**	**S**	**53**

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	**10 077**	**100.0**	**6 976**	**100.0**	**2 267**	**100.0**	**210**
Single modes	**9 333**	**92.6**	**6 688**	**95.9**	**2 114**	**93.3**	**89**
Truck[1]	9 231	91.6	6 587	94.4	2 016	88.9	76
For-hire truck	5 121	50.8	3 734	53.5	1 710	75.5	250
Private truck	4 092	40.6	2 847	40.8	301	13.3	37
Rail	S	S	S	S	S	S	1 042
Water	S	S	S	S	S	S	11
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**445**	**4.4**	**81**	**1.2**	**93**	**4.1**	**612**
Parcel, U.S. Postal Service or courier	389	3.9	49	.7	26	1.1	610
Truck and rail	51	.5	31	.4	59	2.6	1 856
Truck and water	S	S	S	S	S	S	7 474
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	287
Other and unknown modes	**300**	**3.0**	**207**	**3.0**	**60**	**2.7**	**78**
SCTG 29, PRINTED PRODUCTS							
Total	**14 259**	**100.0**	**7 673**	**100.0**	**1 210**	**100.0**	**412**
Single modes	**8 992**	**63.1**	**6 661**	**86.8**	**919**	**76.0**	**115**
Truck[1]	8 836	62.0	6 645	86.6	901	74.4	80
For-hire truck	3 937	27.6	1 923	25.1	809	66.8	485
Private truck	4 869	34.1	4 703	61.3	90	7.4	16
Rail	S	S	S	S	S	S	166
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	155	1.1	15	.2	19	1.6	1 562
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 866**	**27.1**	**227**	**3.0**	**163**	**13.4**	**790**
Parcel, U.S. Postal Service or courier	3 866	27.1	227	3.0	162	13.4	790
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	7 386
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 401**	**9.8**	**785**	**10.2**	**S**	**S**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**28 345**	**100.0**	**3 763**	**100.0**	**1 648**	**100.0**	**844**
Single modes	**23 054**	**81.3**	**3 477**	**92.4**	**1 406**	**85.4**	**579**
Truck[1]	22 899	80.8	3 431	91.2	1 330	80.7	458
For-hire truck	5 936	20.9	652	17.3	603	36.6	1 040
Private truck	16 792	59.2	S	S	724	43.9	76
Rail	S	S	S	S	S	S	828
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	116	.4	S	S	S	S	1 307
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 703**	**16.6**	**186**	**5.0**	**194**	**11.8**	**951**
Parcel, U.S. Postal Service or courier	4 633	16.3	161	4.3	154	9.4	951
Truck and rail	S	S	S	S	S	S	1 406
Truck and water	S	S	S	S	S	S	7 687
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**588**	**2.1**	**99**	**2.6**	**47**	**2.8**	**281**

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	**11 407**	**100.0**	**102 475**	**100.0**	**14 392**	**100.0**	**234**
Single modes	**10 663**	**93.5**	**99 588**	**97.2**	**13 500**	**93.8**	**112**
Truck[1]	10 280	90.1	95 949	93.6	11 138	77.4	99
For-hire truck	5 645	49.5	26 063	25.4	8 227	57.2	399
Private truck	4 549	39.9	69 439	67.8	2 785	19.4	50
Rail	346	3.0	3 554	3.5	2 284	15.9	697
Water	S	S	S	S	S	S	720
Shallow draft	S	S	S	S	S	S	720
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	36	.3	S	S	S	S	1 213
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**452**	**4.0**	**1 048**	**1.0**	**455**	**3.2**	**862**
Parcel, U.S. Postal Service or courier	355	3.1	27	–	19	.1	869
Truck and rail	95	.8	1 018	1.0	421	2.9	423
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	4 692
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**292**	**2.6**	**1 839**	**1.8**	**437**	**3.0**	**104**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**23 133**	**100.0**	**31 810**	**100.0**	**15 013**	**100.0**	**210**
Single modes	**21 817**	**94.3**	**29 415**	**92.5**	**13 309**	**88.6**	**175**
Truck[1]	16 869	72.9	19 364	60.9	6 738	44.9	163
For-hire truck	10 370	44.8	11 102	34.9	5 775	38.5	488
Private truck	6 426	27.8	8 172	25.7	952	6.3	50
Rail	4 505	19.5	S	S	5 629	37.5	667
Water	S	S	S	S	S	S	731
Shallow draft	S	S	S	S	S	S	731
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	38	.2	S	S	S	S	1 363
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**449**	**1.9**	**871**	**2.7**	**1 201**	**8.0**	**592**
Parcel, U.S. Postal Service or courier	314	1.4	22	–	12	–	588
Truck and rail	56	.2	S	S	S	S	1 294
Truck and water	S	S	S	S	S	S	2 227
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**867**	**3.7**	**1 524**	**4.8**	**503**	**3.3**	**76**
SCTG 33, ARTICLES OF BASE METAL							
Total	**28 083**	**100.0**	**18 168**	**100.0**	**6 561**	**100.0**	**284**
Single modes	**24 828**	**88.4**	**17 620**	**97.0**	**6 313**	**96.2**	**203**
Truck[1]	23 884	85.0	16 171	89.0	5 733	87.4	180
For-hire truck	14 263	50.8	9 715	53.5	3 631	55.3	421
Private truck	9 392	33.4	6 334	34.9	2 049	31.2	105
Rail	686	2.4	1 428	7.9	S	S	627
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	258	.9	20	.1	27	.4	1 358
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 010**	**7.2**	**141**	**.8**	**113**	**1.7**	**579**
Parcel, U.S. Postal Service or courier	1 961	7.0	124	.7	101	1.5	579
Truck and rail	S	S	S	S	S	S	1 436
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 245**	**4.4**	**407**	**2.2**	**135**	**2.1**	**62**

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	**37 880**	**100.0**	**4 532**	**100.0**	**2 423**	**100.0**	**289**
Single modes	**31 989**	**84.4**	**4 186**	**92.4**	**2 257**	**93.2**	**215**
Truck[1]	30 753	81.2	4 146	91.5	2 204	91.0	170
For-hire truck	20 545	54.2	2 585	57.0	1 889	78.0	523
Private truck	10 016	26.4	1 501	33.1	285	11.8	66
Rail	116	.3	19	.4	29	1.2	1 223
Water	S	S	S	S	S	S	188
Shallow draft	S	S	S	S	S	S	188
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 119	3.0	21	.5	24	1.0	1 268
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 120**	**10.9**	**144**	**3.2**	**109**	**4.5**	**473**
Parcel, U.S. Postal Service or courier	3 933	10.4	101	2.2	52	2.1	472
Truck and rail	S	S	S	S	S	S	1 496
Truck and water	S	S	S	S	S	S	2 045
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 771**	**4.7**	**202**	**4.5**	**56**	**2.3**	**54**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**118 048**	**100.0**	**5 192**	**100.0**	**3 258**	**100.0**	**533**
Single modes	**89 103**	**75.5**	**4 810**	**92.6**	**3 047**	**93.5**	**400**
Truck[1]	78 275	66.3	4 683	90.2	2 896	88.9	309
For-hire truck	64 953	55.0	3 498	67.4	2 589	79.5	780
Private truck	13 002	11.0	1 158	22.3	278	8.5	53
Rail	S	S	51	1.0	54	1.7	1 253
Water	S	S	S	S	S	S	106
Shallow draft	S	S	S	S	S	S	106
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	10 487	8.9	76	1.5	97	3.0	1 352
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**26 379**	**22.3**	**252**	**4.9**	**172**	**5.3**	**750**
Parcel, U.S. Postal Service or courier	26 240	22.2	244	4.7	160	4.9	750
Truck and rail	S	S	S	S	S	S	1 445
Truck and water	S	S	S	S	S	S	3 272
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 565**	**2.2**	**130**	**2.5**	**39**	**1.2**	**46**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**28 092**	**100.0**	**3 728**	**100.0**	**1 805**	**100.0**	**236**
Single modes	**24 363**	**86.7**	**3 272**	**87.8**	**1 690**	**93.6**	**153**
Truck[1]	19 380	69.0	2 816	75.6	1 109	61.4	115
For-hire truck	9 160	32.6	1 125	30.2	733	40.6	414
Private truck	10 209	36.3	1 688	45.3	374	20.7	50
Rail	4 809	17.1	448	12.0	573	31.7	1 134
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	174	.6	7	.2	8	.4	1 296
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 416**	**5.0**	**72**	**1.9**	**44**	**2.4**	**641**
Parcel, U.S. Postal Service or courier	1 416	5.0	72	1.9	44	2.4	641
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 313**	**8.2**	**384**	**10.3**	**72**	**4.0**	**53**

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	**7 400**	**100.0**	**640**	**100.0**	**343**	**100.0**	**608**
Single modes	**6 276**	**84.8**	**614**	**96.0**	**206**	**60.1**	**432**
Truck[1]	4 409	59.6	323	50.5	129	37.7	268
For-hire truck	2 832	38.3	44	6.8	45	13.1	635
Private truck	1 576	21.3	280	43.7	84	24.6	182
Rail	715	9.7	S	S	S	S	791
Water	266	3.6	S	S	S	S	64
Shallow draft	266	3.6	S	S	S	S	64
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	886	12.0	4	.6	5	1.4	1 365
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**935**	**12.6**	**4**	**.7**	**4**	**1.1**	**861**
Parcel, U.S. Postal Service or courier	935	12.6	4	.7	4	1.1	861
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**189**	**2.6**	**S**	**S**	**S**	**S**	**S**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**15 384**	**100.0**	**192**	**100.0**	**113**	**100.0**	**931**
Single modes	**4 732**	**30.8**	**112**	**58.0**	**49**	**43.5**	**355**
Truck[1]	3 794	24.7	108	56.2	44	39.1	123
For-hire truck	1 903	12.4	56	29.2	33	29.2	443
Private truck	1 888	12.3	51	26.8	S	S	47
Rail	S	S	S	S	S	S	1 706
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	913	5.9	3	1.4	3	3.0	1 337
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 001**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 001
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**351**	**2.3**	**9**	**4.4**	**3**	**2.8**	**343**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**12 596**	**100.0**	**1 997**	**100.0**	**842**	**100.0**	**463**
Single modes	**12 076**	**95.9**	**1 931**	**96.7**	**803**	**95.4**	**329**
Truck[1]	11 947	94.8	1 918	96.1	777	92.3	315
For-hire truck	3 453	27.4	598	30.0	524	62.2	790
Private truck	8 495	67.4	1 320	66.1	253	30.1	111
Rail	22	.2	11	.6	S	S	2 099
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	2	–	S	S	1 120
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**353**	**2.8**	**40**	**2.0**	**S**	**S**	**879**
Parcel, U.S. Postal Service or courier	353	2.8	40	2.0	S	S	879
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**167**	**1.3**	**25**	**1.3**	**7**	**.8**	**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	**40 039**	**100.0**	**9 113**	**100.0**	**4 117**	**100.0**	**583**
Single modes	**31 638**	**79.0**	**8 504**	**93.3**	**3 738**	**90.8**	**311**
Truck[1]	25 219	63.0	8 154	89.5	3 165	76.9	189
For-hire truck	14 352	35.8	4 451	48.8	2 505	60.8	492
Private truck	10 697	26.7	3 685	40.4	654	15.9	79
Rail	125	.3	339	3.7	556	13.5	1 163
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	12	.1	18	.4	1 210
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**7 069**	**17.7**	**298**	**3.3**	**253**	**6.1**	**822**
Parcel, U.S. Postal Service or courier	6 790	17.0	206	2.3	153	3.7	820
Truck and rail	275	.7	91	1.0	94	2.3	1 666
Truck and water	S	S	S	S	S	S	7 518
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	4 406
Other and unknown modes	**1 333**	**3.3**	**310**	**3.4**	**126**	**3.1**	**S**
SCTG 41, WASTE AND SCRAP							
Total	**2 098**	**100.0**	**11 773**	**100.0**	**2 732**	**100.0**	**166**
Single modes	**1 942**	**92.6**	**10 445**	**88.7**	**2 383**	**87.2**	**162**
Truck[1]	1 470	70.1	6 582	55.9	1 077	39.4	144
For-hire truck	834	39.7	3 876	32.9	746	27.3	185
Private truck	636	30.3	2 697	22.9	331	12.1	106
Rail	403	19.2	3 305	28.1	922	33.7	292
Water	69	3.3	558	4.7	384	14.1	692
Shallow draft	69	3.3	558	4.7	384	14.1	692
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**100**	**4.8**	**S**	**S**	**330**	**12.1**	**1 077**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	54	2.6	173	1.5	S	S	1 106
Truck and water	S	S	S	S	S	S	386
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**25 621**	**100.0**	**10 899**	**100.0**	**1 843**	**100.0**	**113**
Single modes	**24 614**	**96.1**	**10 373**	**95.2**	**1 742**	**94.5**	**128**
Truck[1]	24 611	96.1	10 372	95.2	1 742	94.5	128
For-hire truck	2 271	8.9	1 366	12.5	277	15.1	198
Private truck	22 222	86.7	8 933	82.0	1 457	79.0	123
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	917
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**17**	**.2**	**1**	**–**	**S**
Parcel, U.S. Postal Service or courier	S	S	17	.2	1	–	S
Truck and rail	–	–	–	–	–	–	–
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	
COMMODITY UNKNOWN							
Total	**4 186**	**100.0**	**4 242**	**100.0**	**1 584**	**100.0**	**432**
Single modes	**3 645**	**87.1**	**4 110**	**96.9**	**1 561**	**98.5**	**174**
Truck[1]	2 993	71.5	1 986	46.8	556	35.1	153
For-hire truck	1 090	26.1	852	20.1	385	24.3	412
Private truck	S	S	1 134	26.7	171	10.8	90
Rail	197	4.7	566	13.3	S	S	946
Water	S	S	S	S	S	S	509
Shallow draft	S	S	S	S	S	S	509
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 610
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**314**	**7.5**	**14**	**.3**	**S**	**S**	**795**
Parcel, U.S. Postal Service or courier	303	7.2	5	.1	4	.2	794
Truck and rail	S	S	S	S	S	S	S
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	3 083
Other and unknown modes	**228**	**5.4**	**118**	**2.8**	**11**	**.7**	**S**

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

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**815 886**	**1 705 530**	**418 597**
Less than 50 miles	269 880	986 461	19 356
50 to 99 miles	51 112	142 252	12 866
100 to 249 miles	131 804	205 713	43 153
250 to 499 miles	100 777	127 678	53 627
500 to 749 miles	61 867	88 748	73 719
750 to 999 miles	71 665	80 803	87 655
1,000 to 1,499 miles	106 226	64 499	107 455
1,500 to 1,999 miles	20 886	8 832	19 143
2,000 miles or more	1 669	544	1 622
SCTG 01, Live animals and live fish	**560**	**428**	**87**
Less than 50 miles	236	S	S
50 to 99 miles	57	39	3
100 to 249 miles	55	32	7
250 to 499 miles	169	113	54
500 to 749 miles	31	12	9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**9 384**	**70 162**	**7 528**
Less than 50 miles	7 589	57 571	1 845
50 to 99 miles	234	1 989	195
100 to 249 miles	656	4 308	843
250 to 499 miles	383	3 116	1 520
500 to 749 miles	369	2 552	2 295
750 to 999 miles	126	482	605
1,000 to 1,499 miles	23	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**9 053**	**25 815**	**5 146**
Less than 50 miles	5 868	18 422	633
50 to 99 miles	566	1 256	S
100 to 249 miles	971	S	S
250 to 499 miles	706	1 737	950
500 to 749 miles	160	468	391
750 to 999 miles	288	483	541
1,000 to 1,499 miles	331	646	969
1,500 to 1,999 miles	161	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**10 690**	**35 085**	**5 125**
Less than 50 miles	4 046	21 873	674
50 to 99 miles	S	3 745	329
100 to 249 miles	1 911	4 389	855
250 to 499 miles	1 489	2 861	1 204
500 to 749 miles	599	1 527	1 113
750 to 999 miles	449	319	352
1,000 to 1,499 miles	304	312	472
1,500 to 1,999 miles	58	59	126
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**22 642**	**11 150**	**5 342**
Less than 50 miles	5 402	2 690	71
50 to 99 miles	2 303	1 221	119
100 to 249 miles	3 321	1 801	366
250 to 499 miles	3 655	2 111	886
500 to 749 miles	2 105	1 076	804
750 to 999 miles	2 327	815	861
1,000 to 1,499 miles	2 861	1 159	1 699
1,500 to 1,999 miles	667	278	537
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**11 444**	**9 339**	**3 946**
Less than 50 miles	3 022	2 476	61
50 to 99 miles	1 098	974	90
100 to 249 miles	3 997	1 956	398
250 to 499 miles	1 371	1 646	680
500 to 749 miles	618	677	526
750 to 999 miles	594	764	862
1,000 to 1,499 miles	600	712	1 041
1,500 to 1,999 miles	143	132	275
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**38 950**	**37 895**	**10 367**
Less than 50 miles	12 869	15 057	335
50 to 99 miles	6 076	4 913	453
100 to 249 miles	8 512	7 517	1 446
250 to 499 miles	4 524	4 947	2 102
500 to 749 miles	2 399	2 560	1 956
750 to 999 miles	1 797	1 131	1 194
1,000 to 1,499 miles	2 217	1 454	2 200
1,500 to 1,999 miles	548	314	677
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 08, Alcoholic beverages	**8 588**	**7 378**	**1 306**
Less than 50 miles	5 418	4 391	78
50 to 99 miles	631	395	34
100 to 249 miles	1 202	1 292	263
250 to 499 miles	545	731	297
500 to 749 miles	204	S	S
750 to 999 miles	145	149	154
1,000 to 1,499 miles	418	173	267
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 09, Tobacco products	**1 554**	**82**	**9**
Less than 50 miles	975	48	1
50 to 99 miles	S	10	1
100 to 249 miles	184	S	S
250 to 499 miles	S	9	3
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 10, Monumental or building stone	**234**	**816**	**S**
Less than 50 miles	91	S	S
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	S	S
750 to 999 miles	S	1	1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 11, Natural sands	**503**	**73 534**	**4 124**
Less than 50 miles	296	58 151	1 013
50 to 99 miles	53	8 860	760
100 to 249 miles	75	4 650	979
250 to 499 miles	33	S	S
500 to 749 miles	S	387	342
750 to 999 miles	S	S	S
1,000 to 1,499 miles	11	203	328
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**726**	**131 498**	**7 231**
Less than 50 miles	502	90 283	1 993
50 to 99 miles	140	29 908	2 691
100 to 249 miles	76	10 660	2 224
250 to 499 miles	5	525	224
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 13, Nonmetallic minerals n.e.c.	**1 077**	**49 670**	**12 935**
Less than 50 miles	301	S	S
50 to 99 miles	115	3 545	333
100 to 249 miles	172	2 857	S
250 to 499 miles	184	1 292	633
500 to 749 miles	172	S	S
750 to 999 miles	72	2 756	3 650
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 14, Metallic ores and concentrates	**1 108**	**S**	**2 495**
Less than 50 miles	S	S	S
50 to 99 miles	S	35	3
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	54	102	73
750 to 999 miles	162	729	947
1,000 to 1,499 miles	155	516	884
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 15, Coal	**695**	**53 995**	**731**
Less than 50 miles	651	52 746	438
50 to 99 miles	10	302	42
100 to 249 miles	S	S	S
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	–	–	–

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	**46 250**	**311 370**	**83 880**
Less than 50 miles	28 057	184 628	2 173
50 to 99 miles	2 430	10 056	844
100 to 249 miles	5 638	27 273	4 931
250 to 499 miles	5 241	26 609	8 814
500 to 749 miles	2 347	25 000	19 784
750 to 999 miles	1 585	28 112	26 264
1,000 to 1,499 miles	939	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**26 904**	**158 890**	**21 132**
Less than 50 miles	19 180	113 902	2 299
50 to 99 miles	1 528	9 045	856
100 to 249 miles	3 592	19 433	3 585
250 to 499 miles	628	4 275	1 675
500 to 749 miles	847	5 046	3 988
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 19, Coal and petroleum products, n.e.c.	**29 109**	**138 935**	**30 748**
Less than 50 miles	13 537	87 250	1 626
50 to 99 miles	2 545	12 147	1 138
100 to 249 miles	3 720	14 759	2 982
250 to 499 miles	3 007	8 714	3 999
500 to 749 miles	2 754	7 426	6 530
750 to 999 miles	1 303	2 398	2 809
1,000 to 1,499 miles	1 957	5 817	10 675
1,500 to 1,999 miles	255	400	914
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**78 957**	**153 669**	**73 024**
Less than 50 miles	23 861	56 545	1 073
50 to 99 miles	4 170	12 495	1 143
100 to 249 miles	8 483	20 871	5 151
250 to 499 miles	S	22 201	9 430
500 to 749 miles	4 512	8 381	7 403
750 to 999 miles	8 873	15 213	19 390
1,000 to 1,499 miles	S	16 938	27 113
1,500 to 1,999 miles	1 100	950	2 056
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	**12 753**	**726**	**556**
Less than 50 miles	3 505	98	2
50 to 99 miles	1 135	86	7
100 to 249 miles	2 641	113	22
250 to 499 miles	1 550	47	20
500 to 749 miles	783	86	64
750 to 999 miles	872	79	83
1,000 to 1,499 miles	1 564	165	245
1,500 to 1,999 miles	S	49	100
2,000 miles or more	S	S	S
SCTG 22, Fertilizers	**4 831**	**25 496**	**11 480**
Less than 50 miles	2 201	8 440	205
50 to 99 miles	222	1 413	138
100 to 249 miles	598	3 855	963
250 to 499 miles	638	4 813	2 301
500 to 749 miles	560	3 425	3 160
750 to 999 miles	502	2 954	3 706
1,000 to 1,499 miles	95	497	802
1,500 to 1,999 miles	14	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**20 948**	**14 388**	**7 536**
Less than 50 miles	6 159	4 356	84
50 to 99 miles	923	683	63
100 to 249 miles	3 792	3 169	668
250 to 499 miles	2 927	1 813	754
500 to 749 miles	1 800	869	698
750 to 999 miles	1 683	993	1 026
1,000 to 1,499 miles	2 851	1 835	2 913
1,500 to 1,999 miles	763	S	1 243
2,000 miles or more	50	40	88
SCTG 24, Plastics and rubber	**42 545**	**33 850**	**25 399**
Less than 50 miles	9 931	7 967	188
50 to 99 miles	2 131	1 658	152
100 to 249 miles	4 563	3 327	711
250 to 499 miles	4 661	3 553	1 683
500 to 749 miles	5 380	4 121	3 371
750 to 999 miles	6 602	5 395	6 022
1,000 to 1,499 miles	7 616	6 328	9 917
1,500 to 1,999 miles	1 605	1 433	3 153
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 25, Logs and other wood in the rough	**1 317**	**55 255**	**4 252**
Less than 50 miles	728	34 728	1 192
50 to 99 miles	230	10 596	851
100 to 249 miles	230	S	S
250 to 499 miles	74	425	164
500 to 749 miles	S	S	S
750 to 999 miles	S	30	32
1,000 to 1,499 miles	4	14	23
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**15 860**	**59 334**	**19 247**
Less than 50 miles	3 729	17 376	528
50 to 99 miles	1 480	8 912	818
100 to 249 miles	4 672	S	S
250 to 499 miles	2 202	7 711	3 094
500 to 749 miles	1 311	3 175	2 604
750 to 999 miles	1 127	2 757	3 043
1,000 to 1,499 miles	1 108	2 530	4 245
1,500 to 1,999 miles	228	411	923
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 555**	**19 679**	**14 713**
Less than 50 miles	2 796	2 604	43
50 to 99 miles	546	994	110
100 to 249 miles	1 574	2 543	604
250 to 499 miles	1 790	3 321	1 564
500 to 749 miles	1 986	3 810	3 203
750 to 999 miles	1 655	3 080	3 365
1,000 to 1,499 miles	1 627	2 472	3 981
1,500 to 1,999 miles	574	848	1 812
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**10 077**	**6 976**	**2 267**
Less than 50 miles	3 619	2 623	51
50 to 99 miles	627	677	60
100 to 249 miles	2 171	1 438	280
250 to 499 miles	1 331	901	378
500 to 749 miles	606	408	310
750 to 999 miles	842	478	481
1,000 to 1,499 miles	777	399	590
1,500 to 1,999 miles	99	48	101
2,000 miles or more	S	S	S
SCTG 29, Printed products	**14 259**	**7 673**	**1 210**
Less than 50 miles	6 894	5 872	59
50 to 99 miles	495	308	27
100 to 249 miles	1 238	439	89
250 to 499 miles	1 014	334	152
500 to 749 miles	1 031	212	151
750 to 999 miles	1 161	168	175
1,000 to 1,499 miles	1 792	222	319
1,500 to 1,999 miles	610	118	234
2,000 miles or more	24	1	4
SCTG 30, Textiles, leather, and articles of textiles or leather	**28 345**	**3 763**	**1 648**
Less than 50 miles	6 646	863	13
50 to 99 miles	777	74	7
100 to 249 miles	5 408	S	S
250 to 499 miles	6 543	S	S
500 to 749 miles	2 550	230	184
750 to 999 miles	1 945	222	234
1,000 to 1,499 miles	3 327	283	423
1,500 to 1,999 miles	1 108	81	166
2,000 miles or more	40	S	S
SCTG 31, Nonmetallic mineral products	**11 407**	**102 475**	**14 392**
Less than 50 miles	4 282	66 376	1 035
50 to 99 miles	803	8 044	719
100 to 249 miles	2 047	16 853	3 463
250 to 499 miles	1 205	5 057	2 167
500 to 749 miles	883	2 138	1 590
750 to 999 miles	895	1 614	1 710
1,000 to 1,499 miles	1 144	2 077	2 990
1,500 to 1,999 miles	146	315	702
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**23 133**	**31 810**	**15 013**
Less than 50 miles	6 764	10 519	195
50 to 99 miles	1 207	1 522	138
100 to 249 miles	3 672	5 395	1 124
250 to 499 miles	3 440	5 604	2 906
500 to 749 miles	2 439	3 242	2 557
750 to 999 miles	2 815	2 888	3 410
1,000 to 1,499 miles	1 957	1 914	2 961
1,500 to 1,999 miles	415	496	1 137
2,000 miles or more	423	229	586

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	**28 083**	**18 168**	**6 561**
Less than 50 miles	10 472	6 435	116
50 to 99 miles	1 851	1 745	165
100 to 249 miles	4 325	2 790	560
250 to 499 miles	4 311	3 055	1 305
500 to 749 miles	2 086	2 161	1 653
750 to 999 miles	1 743	725	774
1,000 to 1,499 miles	2 502	952	1 391
1,500 to 1,999 miles	778	304	595
2,000 miles or more	14	1	3
SCTG 34, Machinery	**37 880**	**4 532**	**2 423**
Less than 50 miles	10 026	1 121	27
50 to 99 miles	2 314	298	29
100 to 249 miles	5 574	747	138
250 to 499 miles	5 759	665	300
500 to 749 miles	3 550	528	395
750 to 999 miles	4 473	506	531
1,000 to 1,499 miles	5 474	583	834
1,500 to 1,999 miles	659	75	151
2,000 miles or more	50	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**118 048**	**5 192**	**3 258**
Less than 50 miles	27 129	1 336	32
50 to 99 miles	3 035	254	27
100 to 249 miles	19 607	842	192
250 to 499 miles	7 223	461	209
500 to 749 miles	7 574	589	425
750 to 999 miles	15 348	628	665
1,000 to 1,499 miles	31 577	892	1 324
1,500 to 1,999 miles	6 008	174	343
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**28 092**	**3 728**	**1 805**
Less than 50 miles	6 963	1 017	23
50 to 99 miles	1 868	370	32
100 to 249 miles	3 971	566	114
250 to 499 miles	4 987	658	293
500 to 749 miles	3 741	378	301
750 to 999 miles	3 202	326	366
1,000 to 1,499 miles	2 827	361	566
1,500 to 1,999 miles	519	52	110
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**7 400**	**640**	**343**
Less than 50 miles	1 640	158	3
50 to 99 miles	127	S	S
100 to 249 miles	1 164	251	50
250 to 499 miles	941	99	S
500 to 749 miles	650	36	27
750 to 999 miles	353	S	S
1,000 to 1,499 miles	1 243	25	35
1,500 to 1,999 miles	1 243	6	13
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	**15 384**	**192**	**113**
Less than 50 miles	2 426	61	1
50 to 99 miles	483	11	1
100 to 249 miles	1 427	17	4
250 to 499 miles	1 345	23	10
500 to 749 miles	S	21	15
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	35	51
1,500 to 1,999 miles	S	5	10
2,000 miles or more	14	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**12 596**	**1 997**	**842**
Less than 50 miles	3 737	581	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	86
250 to 499 miles	S	251	97
500 to 749 miles	752	180	137
750 to 999 miles	985	185	190
1,000 to 1,499 miles	943	171	252
1,500 to 1,999 miles	149	26	51
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**40 039**	**9 113**	**4 117**
Less than 50 miles	8 411	2 289	51
50 to 99 miles	2 114	861	76
100 to 249 miles	5 636	1 988	395
250 to 499 miles	6 136	1 457	619
500 to 749 miles	4 049	818	592
750 to 999 miles	4 268	723	765
1,000 to 1,499 miles	7 793	804	1 260
1,500 to 1,999 miles	1 515	166	338
2,000 miles or more	117	7	21

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	**2 098**	**11 773**	**2 732**
Less than 50 miles	736	5 498	124
50 to 99 miles	116	820	87
100 to 249 miles	447	2 748	623
250 to 499 miles	385	1 976	1 017
500 to 749 miles	159	262	203
750 to 999 miles	78	177	186
1,000 to 1,499 miles	175	254	405
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**25 621**	**10 899**	**1 843**
Less than 50 miles	7 487	3 510	100
50 to 99 miles	3 483	1 675	154
100 to 249 miles	10 154	4 341	879
250 to 499 miles	S	1 017	391
500 to 749 miles	S	S	S
750 to 999 miles	312	121	129
1,000 to 1,499 miles	77	S	45
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	**4 186**	**4 242**	**1 584**
Less than 50 miles	1 289	1 410	34
50 to 99 miles	S	127	12
100 to 249 miles	1 392	1 002	207
250 to 499 miles	483	S	S
500 to 749 miles	190	S	S
750 to 999 miles	210	147	S
1,000 to 1,499 miles	258	167	268
1,500 to 1,999 miles	108	S	S
2,000 miles or more	S	S	S

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

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

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**815 886**	**1 705 530**	**418 597**
Less than 50 lb	79 085	1 777	661
50 to 99 lb	21 480	1 378	332
100 to 499 lb	68 219	8 590	1 710
500 to 749 lb	18 863	4 049	665
750 to 999 lb	13 931	3 506	685
1,000 to 9,999 lb	142 065	56 574	11 892
10,000 to 49,999 lb	254 852	487 166	102 109
50,000 to 99,999 lb	36 468	248 428	22 080
100,000 lb or more	180 923	894 065	278 462
SCTG 01, Live animals and live fish	**560**	**428**	**87**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	–	S
1,000 to 9,999 lb	S	S	2
10,000 to 49,999 lb	221	178	41
50,000 to 99,999 lb	107	82	22
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**9 384**	**70 162**	**7 528**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	5	16	1
500 to 749 lb	2	8	1
750 to 999 lb	2	S	S
1,000 to 9,999 lb	S	283	S
10,000 to 49,999 lb	316	1 908	479
50,000 to 99,999 lb	1 645	13 738	1 327
100,000 lb or more	7 214	54 197	5 688
SCTG 03, Other agricultural products	**9 053**	**25 815**	**5 146**
Less than 50 lb	153	20	1
50 to 99 lb	113	33	1
100 to 499 lb	385	341	11
500 to 749 lb	206	181	8
750 to 999 lb	116	126	6
1,000 to 9,999 lb	1 157	1 419	271
10,000 to 49,999 lb	2 014	5 292	2 421
50,000 to 99,999 lb	276	1 178	132
100,000 lb or more	4 633	17 225	2 295
SCTG 04, Animal feed and products of animal origin, n.e.c.	**10 690**	**35 085**	**5 125**
Less than 50 lb	16	S	S
50 to 99 lb	24	S	1
100 to 499 lb	176	363	6
500 to 749 lb	62	S	4
750 to 999 lb	41	76	5
1,000 to 9,999 lb	945	1 816	141
10,000 to 49,999 lb	6 858	19 449	2 733
50,000 to 99,999 lb	1 585	9 419	1 242
100,000 lb or more	983	3 686	994
SCTG 05, Meat, fish, seafood, and their preparations	**22 642**	**11 150**	**5 342**
Less than 50 lb	73	12	1
50 to 99 lb	98	25	1
100 to 499 lb	838	270	19
500 to 749 lb	480	157	18
750 to 999 lb	323	147	19
1,000 to 9,999 lb	4 485	2 003	545
10,000 to 49,999 lb	15 581	7 970	4 402
50,000 to 99,999 lb	194	167	136
100,000 lb or more	S	399	202
SCTG 06, Milled grain products and preparations, and bakery products	**11 444**	**9 339**	**3 946**
Less than 50 lb	56	S	1
50 to 99 lb	S	S	S
100 to 499 lb	530	262	21
500 to 749 lb	S	125	19
750 to 999 lb	S	151	22
1,000 to 9,999 lb	3 476	1 409	317
10,000 to 49,999 lb	5 293	4 507	2 106
50,000 to 99,999 lb	S	S	200
100,000 lb or more	597	1 346	1 258
SCTG 07, Other prepared foodstuffs and fats and oils	**38 950**	**37 895**	**10 367**
Less than 50 lb	444	69	S
50 to 99 lb	279	105	9
100 to 499 lb	1 787	1 157	67
500 to 749 lb	896	539	31
750 to 999 lb	729	486	35
1,000 to 9,999 lb	6 133	4 800	599
10,000 to 49,999 lb	25 549	23 041	7 055
50,000 to 99,999 lb	1 323	3 016	331
100,000 lb or more	1 811	4 681	2 225

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	**8 588**	**7 378**	**1 306**
Less than 50 lb	100	21	1
50 to 99 lb	131	44	1
100 to 499 lb	1 254	678	15
500 to 749 lb	590	379	10
750 to 999 lb	445	336	9
1,000 to 9,999 lb	2 857	2 388	71
10,000 to 49,999 lb	2 738	2 788	911
50,000 to 99,999 lb	298	440	117
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**1 554**	**82**	**9**
Less than 50 lb	174	5	–
50 to 99 lb	239	7	–
100 to 499 lb	603	27	S
500 to 749 lb	124	7	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	273	27	4
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**234**	**816**	**S**
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	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39	28	1
10,000 to 49,999 lb	S	751	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 11, Natural sands	**503**	**73 534**	**4 124**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	2	S
500 to 749 lb	–	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	17	432	20
10,000 to 49,999 lb	220	38 218	930
50,000 to 99,999 lb	192	28 777	1 403
100,000 lb or more	64	6 100	1 769
SCTG 12, Gravel and crushed stone	**726**	**131 498**	**7 231**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	1	S
750 to 999 lb	S	S	–
1,000 to 9,999 lb	6	249	6
10,000 to 49,999 lb	399	69 195	2 603
50,000 to 99,999 lb	235	44 222	2 363
100,000 lb or more	85	17 828	2 259
SCTG 13, Nonmetallic minerals n.e.c.	**1 077**	**49 670**	**12 935**
Less than 50 lb	8	1	S
50 to 99 lb	4	2	S
100 to 499 lb	29	12	S
500 to 749 lb	S	S	S
750 to 999 lb	4	3	S
1,000 to 9,999 lb	91	374	34
10,000 to 49,999 lb	654	S	1 994
50,000 to 99,999 lb	63	S	442
100,000 lb or more	219	13 079	10 460
SCTG 14, Metallic ores and concentrates	**1 108**	**S**	**2 495**
Less than 50 lb	S	S	S
50 to 99 lb	2	S	S
100 to 499 lb	13	3	–
500 to 749 lb	S	S	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	39	S	8
10,000 to 49,999 lb	S	S	328
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	2 142
SCTG 15, Coal	**695**	**53 995**	**731**
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	S	S	S
10,000 to 49,999 lb	15	343	S
50,000 to 99,999 lb	35	1 916	78
100,000 lb or more	630	51 722	569

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	**46 250**	**311 370**	**83 880**
Less than 50 lb	S	S	S
50 to 99 lb	3	9	–
100 to 499 lb	33	93	1
500 to 749 lb	S	15	–
750 to 999 lb	21	23	1
1,000 to 9,999 lb	2 216	3 247	126
10,000 to 49,999 lb	3 282	12 018	860
50,000 to 99,999 lb	8 680	32 609	1 942
100,000 lb or more	31 993	263 353	80 950
SCTG 18, Fuel oils	**26 904**	**158 890**	**21 132**
Less than 50 lb	S	4	S
50 to 99 lb	S	11	–
100 to 499 lb	67	141	2
500 to 749 lb	69	120	3
750 to 999 lb	52	87	2
1,000 to 9,999 lb	1 461	3 788	101
10,000 to 49,999 lb	1 872	9 479	521
50,000 to 99,999 lb	2 916	14 378	808
100,000 lb or more	20 452	130 883	19 696
SCTG 19, Coal and petroleum products, n.e.c.	**29 109**	**138 935**	**30 748**
Less than 50 lb	159	32	S
50 to 99 lb	119	43	S
100 to 499 lb	478	342	S
500 to 749 lb	92	S	6
750 to 999 lb	143	212	S
1,000 to 9,999 lb	1 337	1 938	S
10,000 to 49,999 lb	6 624	30 061	6 591
50,000 to 99,999 lb	836	4 191	569
100,000 lb or more	19 321	102 014	22 972
SCTG 20, Basic chemicals	**78 957**	**153 669**	**73 024**
Less than 50 lb	283	19	3
50 to 99 lb	121	34	4
100 to 499 lb	513	409	23
500 to 749 lb	148	155	9
750 to 999 lb	161	S	11
1,000 to 9,999 lb	2 221	1 481	S
10,000 to 49,999 lb	22 148	30 812	11 793
50,000 to 99,999 lb	1 615	4 375	1 103
100,000 lb or more	51 746	116 231	59 593
SCTG 21, Pharmaceutical products	**12 753**	**726**	**556**
Less than 50 lb	4 991	60	23
50 to 99 lb	1 217	23	7
100 to 499 lb	2 526	68	24
500 to 749 lb	384	19	6
750 to 999 lb	S	14	S
1,000 to 9,999 lb	1 489	109	32
10,000 to 49,999 lb	1 472	433	458
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**4 831**	**25 496**	**11 480**
Less than 50 lb	1	–	–
50 to 99 lb	2	S	–
100 to 499 lb	12	S	1
500 to 749 lb	7	13	1
750 to 999 lb	3	5	–
1,000 to 9,999 lb	301	1 167	54
10,000 to 49,999 lb	1 626	5 485	925
50,000 to 99,999 lb	440	3 298	444
100,000 lb or more	2 441	15 500	10 054
SCTG 23, Chemical products and preparations, n.e.c.	**20 948**	**14 388**	**7 536**
Less than 50 lb	1 154	67	15
50 to 99 lb	415	45	9
100 to 499 lb	1 147	225	50
500 to 749 lb	399	101	25
750 to 999 lb	362	91	28
1,000 to 9,999 lb	3 651	1 191	497
10,000 to 49,999 lb	10 168	7 625	4 197
50,000 to 99,999 lb	268	711	142
100,000 lb or more	3 385	4 332	2 573
SCTG 24, Plastics and rubber	**42 545**	**33 850**	**25 399**
Less than 50 lb	1 902	82	24
50 to 99 lb	714	75	20
100 to 499 lb	2 286	333	90
500 to 749 lb	622	141	44
750 to 999 lb	496	107	42
1,000 to 9,999 lb	6 174	2 250	1 102
10,000 to 49,999 lb	15 474	11 771	6 859
50,000 to 99,999 lb	358	370	107
100,000 lb or more	14 519	18 720	17 111

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	**1 317**	**55 255**	**4 252**
Less than 50 lb	–	S	S
50 to 99 lb	S	S	S
100 to 499 lb	1	1	S
500 to 749 lb	1	S	–
750 to 999 lb	S	S	–
1,000 to 9,999 lb	26	S	7
10,000 to 49,999 lb	368	7 631	676
50,000 to 99,999 lb	821	40 344	2 115
100,000 lb or more	S	S	S
SCTG 26, Wood products	**15 860**	**59 334**	**19 247**
Less than 50 lb	147	14	S
50 to 99 lb	103	17	3
100 to 499 lb	569	144	20
500 to 749 lb	168	79	10
750 to 999 lb	171	77	12
1,000 to 9,999 lb	2 072	1 814	304
10,000 to 49,999 lb	7 919	26 258	6 464
50,000 to 99,999 lb	1 357	10 533	1 845
100,000 lb or more	3 355	20 399	10 582
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 555**	**19 679**	**14 713**
Less than 50 lb	75	10	1
50 to 99 lb	67	15	1
100 to 499 lb	264	110	17
500 to 749 lb	89	53	7
750 to 999 lb	64	36	6
1,000 to 9,999 lb	841	650	139
10,000 to 49,999 lb	7 435	9 533	5 931
50,000 to 99,999 lb	419	938	559
100,000 lb or more	3 299	8 334	8 052
SCTG 28, Paper or paperboard articles	**10 077**	**6 976**	**2 267**
Less than 50 lb	461	44	9
50 to 99 lb	232	50	S
100 to 499 lb	583	177	24
500 to 749 lb	202	93	11
750 to 999 lb	120	55	8
1,000 to 9,999 lb	2 132	1 591	229
10,000 to 49,999 lb	6 155	4 668	1 808
50,000 to 99,999 lb	63	102	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**14 259**	**7 673**	**1 210**
Less than 50 lb	3 614	244	102
50 to 99 lb	723	80	26
100 to 499 lb	2 241	343	98
500 to 749 lb	565	203	24
750 to 999 lb	528	230	21
1,000 to 9,999 lb	4 011	2 450	244
10,000 to 49,999 lb	2 290	2 011	557
50,000 to 99,999 lb	39	S	S
100,000 lb or more	S	S	35
SCTG 30, Textiles, leather, and articles of textiles or leather	**28 345**	**3 763**	**1 648**
Less than 50 lb	3 996	108	91
50 to 99 lb	832	40	34
100 to 499 lb	1 666	134	105
500 to 749 lb	750	58	25
750 to 999 lb	320	37	18
1,000 to 9,999 lb	6 938	633	325
10,000 to 49,999 lb	9 735	1 704	790
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**11 407**	**102 475**	**14 392**
Less than 50 lb	470	S	9
50 to 99 lb	139	29	8
100 to 499 lb	496	147	25
500 to 749 lb	106	68	11
750 to 999 lb	103	58	7
1,000 to 9,999 lb	1 151	2 409	305
10,000 to 49,999 lb	7 233	71 699	9 513
50,000 to 99,999 lb	1 206	20 175	2 135
100,000 lb or more	504	7 845	2 378
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**23 133**	**31 810**	**15 013**
Less than 50 lb	395	26	6
50 to 99 lb	308	34	6
100 to 499 lb	1 148	280	52
500 to 749 lb	523	155	31
750 to 999 lb	234	108	19
1,000 to 9,999 lb	4 269	3 216	632
10,000 to 49,999 lb	10 212	14 497	5 691
50,000 to 99,999 lb	672	1 830	559
100,000 lb or more	5 373	11 664	8 018

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	**28 083**	**18 168**	**6 561**
Less than 50 lb	2 560	97	31
50 to 99 lb	1 039	77	25
100 to 499 lb	3 280	430	145
500 to 749 lb	1 149	179	55
750 to 999 lb	909	162	67
1,000 to 9,999 lb	7 815	2 506	744
10,000 to 49,999 lb	7 850	9 891	4 011
50,000 to 99,999 lb	1 390	1 514	405
100,000 lb or more	2 090	3 312	1 077
SCTG 34, Machinery	**37 880**	**4 532**	**2 423**
Less than 50 lb	4 592	97	29
50 to 99 lb	1 646	72	18
100 to 499 lb	5 086	314	116
500 to 749 lb	1 324	135	48
750 to 999 lb	1 116	104	61
1,000 to 9,999 lb	11 661	1 290	659
10,000 to 49,999 lb	10 486	2 042	1 135
50,000 to 99,999 lb	909	236	135
100,000 lb or more	1 059	242	223
SCTG 35, Electronic and other electrical equipment and components and office equipment	**118 048**	**5 192**	**3 258**
Less than 50 lb	23 333	178	81
50 to 99 lb	8 250	123	68
100 to 499 lb	26 012	592	348
500 to 749 lb	4 593	197	100
750 to 999 lb	3 306	165	114
1,000 to 9,999 lb	28 316	1 749	1 001
10,000 to 49,999 lb	22 879	1 842	1 176
50,000 to 99,999 lb	974	S	S
100,000 lb or more	383	71	50
SCTG 36, Motorized and other vehicles (including parts)	**28 092**	**3 728**	**1 805**
Less than 50 lb	3 000	144	33
50 to 99 lb	1 098	80	16
100 to 499 lb	4 101	336	105
500 to 749 lb	1 076	74	26
750 to 999 lb	701	60	22
1,000 to 9,999 lb	7 393	949	492
10,000 to 49,999 lb	8 107	1 705	741
50,000 to 99,999 lb	S	313	S
100,000 lb or more	208	66	S
SCTG 37, Transportation equipment, n.e.c.	**7 400**	**640**	**343**
Less than 50 lb	1 213	S	4
50 to 99 lb	S	2	1
100 to 499 lb	970	7	4
500 to 749 lb	578	3	2
750 to 999 lb	S	2	2
1,000 to 9,999 lb	2 538	102	57
10,000 to 49,999 lb	803	213	70
50,000 to 99,999 lb	S	S	S
100,000 lb or more	422	282	S
SCTG 38, Precision instruments and apparatus	**15 384**	**192**	**113**
Less than 50 lb	S	S	S
50 to 99 lb	775	11	4
100 to 499 lb	1 674	39	10
500 to 749 lb	282	8	3
750 to 999 lb	253	10	5
1,000 to 9,999 lb	1 049	41	19
10,000 to 49,999 lb	387	16	16
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**12 596**	**1 997**	**842**
Less than 50 lb	404	18	S
50 to 99 lb	319	23	12
100 to 499 lb	2 105	174	75
500 to 749 lb	684	67	30
750 to 999 lb	244	47	21
1,000 to 9,999 lb	S	927	315
10,000 to 49,999 lb	S	716	375
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**40 039**	**9 113**	**4 117**
Less than 50 lb	13 302	180	95
50 to 99 lb	1 439	78	34
100 to 499 lb	4 083	325	148
500 to 749 lb	1 428	161	71
750 to 999 lb	802	126	49
1,000 to 9,999 lb	9 751	1 815	745
10,000 to 49,999 lb	8 218	5 109	2 144
50,000 to 99,999 lb	306	441	146
100,000 lb or more	712	878	686

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	**2 098**	**11 773**	**2 732**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	45	S	5
10,000 to 49,999 lb	1 297	5 979	1 074
50,000 to 99,999 lb	104	1 314	136
100,000 lb or more	647	4 401	1 515
SCTG 43, Mixed freight	**25 621**	**10 899**	**1 843**
Less than 50 lb	640	45	3
50 to 99 lb	299	38	5
100 to 499 lb	1 037	246	37
500 to 749 lb	613	198	22
750 to 999 lb	452	183	28
1,000 to 9,999 lb	7 172	3 564	632
10,000 to 49,999 lb	15 118	6 448	1 086
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**4 186**	**4 242**	**1 584**
Less than 50 lb	403	9	3
50 to 99 lb	98	4	1
100 to 499 lb	199	18	4
500 to 749 lb	72	10	2
750 to 999 lb	48	7	1
1,000 to 9,999 lb	749	221	66
10,000 to 49,999 lb	S	1 463	463
50,000 to 99,999 lb	S	353	42
100,000 lb or more	631	2 156	1 001

– 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	**815 886**	**1 705 530**	**418 597**	**365**	**269 880**	**986 461**	**19 356**	**51 112**	**142 252**	**12 866**
Less than 50 lb	79 085	1 777	661	466	19 401	887	15	3 032	120	11
50 to 99 lb	21 480	1 378	332	236	7 440	846	14	1 253	97	8
100 to 499 lb	68 219	8 590	1 710	201	23 024	5 612	95	3 446	629	55
500 to 749 lb	18 863	4 049	665	164	7 498	2 646	47	1 142	316	28
750 to 999 lb	13 931	3 506	685	197	4 849	2 157	39	911	301	27
1,000 to 9,999 lb	142 065	56 574	11 892	203	48 886	33 160	647	9 400	4 800	432
10,000 to 49,999 lb	254 852	487 166	102 109	210	60 952	275 537	5 798	21 064	50 553	4 473
50,000 to 99,999 lb	36 468	248 428	22 080	87	19 582	162 624	4 320	3 402	47 379	4 104
100,000 lb or more	180 923	894 065	278 462	611	78 249	502 991	8 382	7 461	38 056	3 729
SCTG 01, Live animals and live fish	**560**	**428**	**87**	**S**	**236**	**S**	**S**	**57**	**39**	**3**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	115	S	S	S	S	S	S
100 to 499 lb	S	S	S	228	S	S	S	S	S	S
500 to 749 lb	S	S	S	73	S	S	S	S	S	S
750 to 999 lb	S	–	S	62	S	–	–	S	S	S
1,000 to 9,999 lb	S	S	2	80	S	S	S	S	S	S
10,000 to 49,999 lb	221	178	41	221	57	79	3	32	22	2
50,000 to 99,999 lb	107	82	22	283	S	S	S	13	9	1
100,000 lb or more	S	S	S	148	S	S	S	S	S	S
SCTG 02, Cereal grains	**9 384**	**70 162**	**7 528**	**86**	**7 589**	**57 571**	**1 845**	**234**	**1 989**	**195**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	5	16	1	S	4	14	–	S	S	S
500 to 749 lb	2	8	1	112	1	6	–	S	S	S
750 to 999 lb	2	S	S	32	S	S	S	–	–	–
1,000 to 9,999 lb	S	283	S	97	S	163	3	3	10	1
10,000 to 49,999 lb	316	1 908	479	232	127	815	29	23	168	17
50,000 to 99,999 lb	1 645	13 738	1 327	97	951	7 855	249	202	1 760	171
100,000 lb or more	7 214	54 197	5 688	428	6 433	48 706	1 564	S	S	S
SCTG 03, Other agricultural products	**9 053**	**25 815**	**5 146**	**S**	**5 868**	**18 422**	**633**	**566**	**1 256**	**S**
Less than 50 lb	153	20	1	S	131	17	–	12	2	–
50 to 99 lb	113	33	1	33	63	28	S	S	S	–
100 to 499 lb	385	341	11	S	300	296	5	39	S	S
500 to 749 lb	206	181	8	S	158	153	2	9	7	1
750 to 999 lb	116	126	6	S	82	101	2	22	15	1
1,000 to 9,999 lb	1 157	1 419	271	136	657	894	14	119	107	9
10,000 to 49,999 lb	2 014	5 292	2 421	405	542	2 081	59	173	519	47
50,000 to 99,999 lb	276	1 178	132	109	192	832	S	18	99	9
100,000 lb or more	4 633	17 225	2 295	528	3 743	14 021	516	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**10 690**	**35 085**	**5 125**	**S**	**4 046**	**21 873**	**674**	**S**	**3 745**	**329**
Less than 50 lb	16	S	S	S	S	S	–	S	S	S
50 to 99 lb	24	S	1	S	S	S	–	–	–	–
100 to 499 lb	176	363	6	S	118	355	3	2	2	–
500 to 749 lb	62	S	4	S	S	S	S	2	2	–
750 to 999 lb	41	76	5	59	17	S	1	3	3	–
1,000 to 9,999 lb	945	1 816	141	56	416	1 381	31	81	123	11
10,000 to 49,999 lb	6 858	19 449	2 733	123	2 238	12 248	341	S	1 995	187
50,000 to 99,999 lb	1 585	9 419	1 242	129	826	5 330	156	183	1 377	112
100,000 lb or more	983	3 686	994	572	348	2 229	141	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**22 642**	**11 150**	**5 342**	**142**	**5 402**	**2 690**	**71**	**2 303**	**1 221**	**119**
Less than 50 lb	73	12	1	74	51	10	S	S	1	–
50 to 99 lb	98	25	1	58	61	18	–	21	4	–
100 to 499 lb	838	270	19	63	590	183	4	134	50	4
500 to 749 lb	480	157	18	113	280	78	2	69	35	3
750 to 999 lb	323	147	19	S	158	71	2	55	34	3
1,000 to 9,999 lb	4 485	2 003	545	213	1 575	783	19	403	214	19
10,000 to 49,999 lb	15 581	7 970	4 402	539	2 646	1 469	41	1 603	835	82
50,000 to 99,999 lb	194	167	136	795	S	S	S	S	S	S
100,000 lb or more	S	399	202	629	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**11 444**	**9 339**	**3 946**	**80**	**3 022**	**2 476**	**61**	**1 098**	**974**	**90**
Less than 50 lb	56	S	1	S	42	S	S	3	1	–
50 to 99 lb	S	S	S	S	S	S	S	2	1	–
100 to 499 lb	530	262	21	62	251	188	2	S	24	2
500 to 749 lb	S	125	19	147	S	44	S	S	S	S
750 to 999 lb	S	151	22	144	147	44	1	S	S	S
1,000 to 9,999 lb	3 476	1 409	317	183	1 324	563	11	344	182	16
10,000 to 49,999 lb	5 293	4 507	2 106	436	794	779	21	338	410	39
50,000 to 99,999 lb	S	S	200	140	S	S	S	S	S	S
100,000 lb or more	597	1 346	1 258	1 004	45	73	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 07, Other prepared foodstuffs and fats and oils	**38 950**	**37 895**	**10 367**	**227**	**12 869**	**15 057**	**335**	**6 076**	**4 913**	**453**
Less than 50 lb	444	69	S	496	251	41	1	33	7	1
50 to 99 lb	279	105	9	83	177	74	2	38	9	1
100 to 499 lb	1 787	1 157	67	57	1 284	913	19	191	92	8
500 to 749 lb	896	539	31	57	609	422	8	107	61	5
750 to 999 lb	729	486	35	72	460	370	8	53	33	3
1,000 to 9,999 lb	6 133	4 800	599	109	3 420	3 157	61	560	489	44
10,000 to 49,999 lb	25 549	23 041	7 055	272	5 367	6 943	154	S	3 465	320
50,000 to 99,999 lb	1 323	3 016	331	112	S	S	S	S	S	63
100,000 lb or more	1 811	4 681	2 225	788	S	1 620	S	36	72	8
SCTG 08, Alcoholic beverages	**8 588**	**7 378**	**1 306**	**29**	**5 418**	**4 391**	**78**	**631**	**395**	**34**
Less than 50 lb	100	21	1	30	86	18	–	11	2	–
50 to 99 lb	131	44	1	27	112	39	1	9	3	–
100 to 499 lb	1 254	678	15	23	1 096	628	10	92	32	3
500 to 749 lb	590	379	10	25	514	351	6	28	14	1
750 to 999 lb	445	336	9	26	385	312	5	32	14	1
1,000 to 9,999 lb	2 857	2 388	71	26	2 428	2 200	36	211	101	8
10,000 to 49,999 lb	2 738	2 788	911	277	693	691	16	245	219	19
50,000 to 99,999 lb	298	440	117	227	97	147	S	S	S	S
100,000 lb or more	S	S	S	491	S	S	S	–	–	–
SCTG 09, Tobacco products	**1 554**	**82**	**9**	**71**	**975**	**48**	**1**	**S**	**10**	**1**
Less than 50 lb	174	5	–	59	128	4	–	14	–	–
50 to 99 lb	239	7	–	48	173	5	–	25	1	–
100 to 499 lb	603	27	S	103	317	14	–	S	S	S
500 to 749 lb	124	7	1	142	81	4	–	17	1	–
750 to 999 lb	S	S	S	86	S	S	S	S	S	S
1,000 to 9,999 lb	273	27	4	S	168	15	–	27	2	–
10,000 to 49,999 lb	S	S	S	184	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**234**	**816**	**S**	**176**	**91**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	665	S	S	S	–	–	–
50 to 99 lb	S	S	S	252	S	S	S	–	–	–
100 to 499 lb	S	3	S	17	S	3	S	S	S	S
500 to 749 lb	S	S	S	113	S	S	S	–	–	–
750 to 999 lb	S	S	S	29	S	S	S	S	S	S
1,000 to 9,999 lb	39	28	1	42	31	25	1	S	S	S
10,000 to 49,999 lb	S	751	S	111	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	202	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**503**	**73 534**	**4 124**	**S**	**296**	**58 151**	**1 013**	**53**	**8 860**	**760**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	3	S	S	S	–	–	–
100 to 499 lb	S	2	S	222	S	1	S	S	S	S
500 to 749 lb	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	107	S	S	S	–	–	–
1,000 to 9,999 lb	17	432	20	S	9	361	S	S	S	S
10,000 to 49,999 lb	220	38 218	930	S	159	35 308	490	13	S	S
50,000 to 99,999 lb	192	28 777	1 403	49	121	21 363	487	24	S	S
100,000 lb or more	64	6 100	1 769	299	6	1 113	30	S	S	S
SCTG 12, Gravel and crushed stone	**726**	**131 498**	**7 231**	**42**	**502**	**90 283**	**1 993**	**140**	**29 908**	**2 691**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	63	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	S	35	S	1	S	S	S	S
750 to 999 lb	S	S	–	S	S	S	S	S	S	S
1,000 to 9,999 lb	6	249	6	24	2	221	3	S	19	2
10,000 to 49,999 lb	399	69 195	2 603	35	319	54 355	1 078	57	12 277	1 015
50,000 to 99,999 lb	235	44 222	2 363	53	153	28 417	760	65	13 966	1 232
100,000 lb or more	85	17 828	2 259	147	27	7 287	151	16	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**1 077**	**49 670**	**12 935**	**102**	**301**	**S**	**S**	**115**	**3 545**	**333**
Less than 50 lb	8	1	S	315	S	1	S	S	S	S
50 to 99 lb	4	2	S	S	S	1	–	S	S	S
100 to 499 lb	29	12	S	266	S	8	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	4	3	S	229	S	1	S	–	–	–
1,000 to 9,999 lb	91	374	34	S	30	298	6	S	27	2
10,000 to 49,999 lb	654	S	1 994	S	210	S	S	46	1 015	89
50,000 to 99,999 lb	63	S	442	101	22	S	S	20	S	S
100,000 lb or more	219	13 079	10 460	526	9	2 081	30	S	1 006	118

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	**1 108**	**S**	**2 495**	**257**	**S**	**S**	**S**	**S**	**35**	**3**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	2	S	S	S	S	S	S	S	S	S
100 to 499 lb	13	3	–	150	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	129	S	S	S	–	–	–
1,000 to 9,999 lb	39	S	8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	328	486	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	151	S	S	S	–	–	–
100,000 lb or more	S	S	2 142	1 228	S	S	S	–	–	–
SCTG 15, Coal	**695**	**53 995**	**731**	**61**	**651**	**52 746**	**438**	**10**	**302**	**42**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	57	S	S	S	–	–	–
100 to 499 lb	S	S	S	56	S	S	S	–	–	–
500 to 749 lb	S	S	S	43	S	S	S	S	S	S
750 to 999 lb	S	S	S	25	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	43	S	S	S	–	–	–
10,000 to 49,999 lb	15	343	S	242	3	105	3	S	S	S
50,000 to 99,999 lb	35	1 916	78	42	30	1 754	53	S	S	S
100,000 lb or more	630	51 722	569	S	605	50 877	382	4	141	18
SCTG 17, Gasoline and aviation turbine fuel	**46 250**	**311 370**	**83 880**	**42**	**28 057**	**184 628**	**2 173**	**2 430**	**10 056**	**844**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	3	9	–	S	3	9	–	S	S	S
100 to 499 lb	33	93	1	10	32	92	1	S	S	S
500 to 749 lb	S	15	–	33	S	14	S	S	S	S
750 to 999 lb	21	23	1	27	18	20	–	S	S	S
1,000 to 9,999 lb	2 216	3 247	126	34	1 794	2 793	56	166	241	23
10,000 to 49,999 lb	3 282	12 018	860	64	2 269	8 837	179	566	2 129	193
50,000 to 99,999 lb	8 680	32 609	1 942	60	6 952	25 513	575	935	3 617	287
100,000 lb or more	31 993	263 353	80 950	212	16 969	147 347	1 361	S	4 066	340
SCTG 18, Fuel oils	**26 904**	**158 890**	**21 132**	**28**	**19 180**	**113 902**	**2 299**	**1 528**	**9 045**	**856**
Less than 50 lb	S	4	S	11	S	4	S	S	S	S
50 to 99 lb	S	11	–	13	S	11	–	S	S	S
100 to 499 lb	67	141	2	10	67	140	1	S	S	S
500 to 749 lb	69	120	3	22	66	112	1	S	S	S
750 to 999 lb	52	87	2	21	52	82	1	S	S	S
1,000 to 9,999 lb	1 461	3 788	101	23	1 208	3 461	52	100	174	14
10,000 to 49,999 lb	1 872	9 479	521	54	1 445	7 341	204	313	1 602	137
50,000 to 99,999 lb	2 916	14 378	808	56	2 387	11 529	258	332	1 783	150
100,000 lb or more	20 452	130 883	19 696	192	13 941	91 223	1 780	780	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**29 109**	**138 935**	**30 748**	**166**	**13 537**	**87 250**	**1 626**	**2 545**	**12 147**	**1 138**
Less than 50 lb	159	32	S	145	123	27	S	5	1	–
50 to 99 lb	119	43	S	127	76	34	–	S	S	S
100 to 499 lb	478	342	S	124	335	276	4	42	S	2
500 to 749 lb	92	S	6	59	72	S	S	5	3	–
750 to 999 lb	143	212	S	186	104	158	3	16	16	1
1,000 to 9,999 lb	1 337	1 938	S	202	891	1 217	31	98	160	13
10,000 to 49,999 lb	6 624	30 061	6 591	255	1 879	17 582	S	579	2 157	189
50,000 to 99,999 lb	836	4 191	569	131	486	2 662	60	92	411	36
100,000 lb or more	19 321	102 014	22 972	475	9 572	65 206	1 121	1 699	9 371	896
SCTG 20, Basic chemicals	**78 957**	**153 669**	**73 024**	**187**	**23 861**	**56 545**	**1 073**	**4 170**	**12 495**	**1 143**
Less than 50 lb	283	19	3	173	142	14	–	17	1	–
50 to 99 lb	121	34	4	S	49	S	S	S	S	S
100 to 499 lb	513	409	23	S	331	377	S	14	7	1
500 to 749 lb	148	155	9	62	104	140	S	6	4	–
750 to 999 lb	161	S	11	68	S	S	S	7	5	–
1,000 to 9,999 lb	2 221	1 481	S	261	691	715	15	146	195	18
10,000 to 49,999 lb	22 148	30 812	11 793	397	5 497	10 248	234	1 064	3 902	363
50,000 to 99,999 lb	1 615	4 375	1 103	216	582	2 296	56	119	586	49
100,000 lb or more	51 746	116 231	59 593	755	16 370	42 594	754	2 785	7 792	712
SCTG 21, Pharmaceutical products	**12 753**	**726**	**556**	**503**	**3 505**	**98**	**2**	**1 135**	**86**	**7**
Less than 50 lb	4 991	60	23	520	1 237	17	–	371	6	1
50 to 99 lb	1 217	23	7	311	303	6	–	141	3	–
100 to 499 lb	2 526	68	24	320	1 128	19	1	185	8	1
500 to 749 lb	384	19	6	314	44	5	–	S	S	S
750 to 999 lb	S	14	S	444	42	3	–	S	S	–
1,000 to 9,999 lb	1 489	109	32	293	626	36	1	S	S	S
10,000 to 49,999 lb	1 472	433	458	1 071	S	S	S	70	35	3
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	116	–	–	–	–	–	–

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	**4 831**	**25 496**	**11 480**	**111**	**2 201**	**8 440**	**205**	**222**	**1 413**	**138**
Less than 50 lb	1	–	–	543	S	S	–	S	S	S
50 to 99 lb	2	S	–	13	2	S	–	S	S	S
100 to 499 lb	12	S	1	S	10	S	–	S	S	S
500 to 749 lb	7	13	1	71	3	9	–	S	S	S
750 to 999 lb	3	5	–	S	2	4	–	S	S	S
1,000 to 9,999 lb	301	1 167	54	S	231	1 032	24	17	53	5
10,000 to 49,999 lb	1 626	5 485	925	127	S	2 785	90	139	848	83
50,000 to 99,999 lb	440	3 298	444	137	198	1 548	S	59	452	45
100,000 lb or more	2 441	15 500	10 054	728	S	S	38	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**20 948**	**14 388**	**7 536**	**247**	**6 159**	**4 356**	**84**	**923**	**683**	**63**
Less than 50 lb	1 154	67	15	232	524	37	1	75	5	–
50 to 99 lb	415	45	9	195	243	25	–	18	4	–
100 to 499 lb	1 147	225	50	222	602	122	2	81	19	2
500 to 749 lb	399	101	25	249	188	50	1	30	11	1
750 to 999 lb	362	91	28	304	157	38	1	25	11	1
1,000 to 9,999 lb	3 651	1 191	497	378	1 248	478	12	195	88	8
10,000 to 49,999 lb	10 168	7 625	4 197	535	1 920	1 703	44	440	435	40
50,000 to 99,999 lb	268	711	142	S	171	353	S	16	80	7
100,000 lb or more	3 385	4 332	2 573	930	S	S	14	S	S	S
SCTG 24, Plastics and rubber	**42 545**	**33 850**	**25 399**	**315**	**9 931**	**7 967**	**188**	**2 131**	**1 658**	**152**
Less than 50 lb	1 902	82	24	290	728	45	1	110	5	–
50 to 99 lb	714	75	20	265	260	38	1	61	7	1
100 to 499 lb	2 286	333	90	266	1 009	177	3	214	38	4
500 to 749 lb	622	141	44	309	268	71	2	39	10	1
750 to 999 lb	496	107	42	394	147	43	1	S	13	1
1,000 to 9,999 lb	6 174	2 250	1 102	472	1 380	546	12	312	128	12
10,000 to 49,999 lb	15 474	11 771	6 859	587	3 114	3 369	60	610	603	53
50,000 to 99,999 lb	358	370	107	288	191	139	2	77	141	9
100,000 lb or more	14 519	18 720	17 111	911	2 832	3 539	106	607	713	70
SCTG 25, Logs and other wood in the rough	**1 317**	**55 255**	**4 252**	**S**	**728**	**34 728**	**1 192**	**230**	**10 596**	**851**
Less than 50 lb	–	S	S	1 390	S	S	S	–	–	–
50 to 99 lb	S	S	S	144	S	S	S	–	–	–
100 to 499 lb	1	1	S	S	1	S	S	S	S	S
500 to 749 lb	1	S	–	36	1	S	S	S	S	S
750 to 999 lb	S	S	–	25	S	S	S	S	S	S
1,000 to 9,999 lb	26	S	7	S	15	S	2	2	2	–
10,000 to 49,999 lb	368	7 631	676	87	162	5 700	260	50	811	67
50,000 to 99,999 lb	821	40 344	2 115	S	527	28 210	919	174	9 144	727
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**15 860**	**59 334**	**19 247**	**279**	**3 729**	**17 376**	**528**	**1 480**	**8 912**	**818**
Less than 50 lb	147	14	S	552	33	5	–	16	1	–
50 to 99 lb	103	17	3	196	47	10	–	10	1	–
100 to 499 lb	569	144	20	132	287	82	2	43	12	1
500 to 749 lb	168	79	10	122	72	41	1	29	S	S
750 to 999 lb	171	77	12	151	70	38	1	19	12	1
1,000 to 9,999 lb	2 072	1 814	304	169	915	986	20	173	222	20
10,000 to 49,999 lb	7 919	26 258	6 464	230	1 680	6 484	176	905	3 856	356
50,000 to 99,999 lb	1 357	10 533	1 845	182	438	S	S	212	1 906	187
100,000 lb or more	3 355	20 399	10 582	678	186	S	S	72	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 555**	**19 679**	**14 713**	**222**	**2 796**	**2 604**	**43**	**546**	**994**	**110**
Less than 50 lb	75	10	1	119	58	8	–	6	1	–
50 to 99 lb	67	15	1	70	50	11	–	5	1	–
100 to 499 lb	264	110	17	155	170	72	1	25	11	1
500 to 749 lb	89	53	7	134	54	33	1	9	5	–
750 to 999 lb	64	36	6	159	48	25	–	4	3	S
1,000 to 9,999 lb	841	650	139	167	498	397	6	63	70	6
10,000 to 49,999 lb	7 435	9 533	5 931	593	1 654	1 518	23	307	661	66
50,000 to 99,999 lb	419	938	559	535	171	301	4	40	65	8
100,000 lb or more	3 299	8 334	8 052	977	93	239	7	86	177	27
SCTG 28, Paper or paperboard articles	**10 077**	**6 976**	**2 267**	**210**	**3 619**	**2 623**	**51**	**627**	**677**	**60**
Less than 50 lb	461	44	9	249	236	27	–	20	3	–
50 to 99 lb	232	50	S	174	142	31	1	25	S	1
100 to 499 lb	583	177	24	150	352	121	2	55	17	1
500 to 749 lb	202	93	11	114	132	66	1	11	3	–
750 to 999 lb	120	55	8	144	80	38	1	6	3	–
1,000 to 9,999 lb	2 132	1 591	229	122	1 008	944	16	186	178	15
10,000 to 49,999 lb	6 155	4 668	1 808	340	1 653	1 363	29	319	413	38
50,000 to 99,999 lb	63	102	S	481	S	S	S	S	S	S
100,000 lb or more	S	S	S	659	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 29, Printed products	**14 259**	**7 673**	**1 210**	**412**	**6 894**	**5 872**	**59**	**495**	**308**	**27**
Less than 50 lb	3 614	244	102	443	909	117	S	151	S	S
50 to 99 lb	723	80	26	333	301	46	1	26	6	1
100 to 499 lb	2 241	343	98	292	885	205	4	88	25	2
500 to 749 lb	565	203	24	S	304	162	2	19	9	1
750 to 999 lb	528	230	21	97	329	S	2	14	6	1
1,000 to 9,999 lb	4 011	2 450	244	102	2 654	1 921	26	152	131	12
10,000 to 49,999 lb	2 290	2 011	557	217	1 259	1 263	16	S	S	S
50,000 to 99,999 lb	39	S	S	972	S	S	S	S	S	S
100,000 lb or more	S	S	35	S	S	S	6	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**28 345**	**3 763**	**1 648**	**844**	**6 646**	**863**	**13**	**777**	**74**	**7**
Less than 50 lb	3 996	108	91	859	408	13	–	117	3	–
50 to 99 lb	832	40	34	848	139	6	–	18	1	–
100 to 499 lb	1 666	134	105	805	226	30	–	19	3	–
500 to 749 lb	750	58	25	448	145	19	–	7	2	–
750 to 999 lb	320	37	18	487	S	14	–	S	S	S
1,000 to 9,999 lb	6 938	633	325	466	S	167	3	S	32	3
10,000 to 49,999 lb	9 735	1 704	790	462	1 555	S	4	221	30	3
50,000 to 99,999 lb	S	S	S	207	S	S	S	S	S	S
100,000 lb or more	S	S	S	402	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**11 407**	**102 475**	**14 392**	**234**	**4 282**	**66 376**	**1 035**	**803**	**8 044**	**719**
Less than 50 lb	470	S	9	347	S	S	S	11	1	–
50 to 99 lb	139	29	8	279	56	15	–	S	1	–
100 to 499 lb	496	147	25	185	258	100	2	14	6	–
500 to 749 lb	106	68	11	147	55	43	1	6	4	–
750 to 999 lb	103	58	7	128	71	45	1	S	2	–
1,000 to 9,999 lb	1 151	2 409	305	125	473	1 607	25	94	186	17
10,000 to 49,999 lb	7 233	71 699	9 513	125	2 445	48 366	697	495	5 464	476
50,000 to 99,999 lb	1 206	20 175	2 135	105	534	11 895	245	159	2 295	211
100,000 lb or more	504	7 845	2 378	340	138	4 273	64	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**23 133**	**31 810**	**15 013**	**210**	**6 764**	**10 519**	**195**	**1 207**	**1 522**	**138**
Less than 50 lb	395	26	6	203	224	18	–	24	1	–
50 to 99 lb	308	34	6	164	175	25	–	13	1	–
100 to 499 lb	1 148	280	52	181	487	181	3	80	17	2
500 to 749 lb	523	155	31	202	207	94	2	44	10	1
750 to 999 lb	234	108	19	178	100	64	1	20	8	1
1,000 to 9,999 lb	4 269	3 216	632	192	1 721	1 856	33	339	296	27
10,000 to 49,999 lb	10 212	14 497	5 691	343	2 193	3 934	95	642	988	90
50,000 to 99,999 lb	672	1 830	559	279	180	714	S	S	188	16
100,000 lb or more	5 373	11 664	8 018	696	S	S	S	S	S	S
SCTG 33, Articles of base metal	**28 083**	**18 168**	**6 561**	**284**	**10 472**	**6 435**	**116**	**1 851**	**1 745**	**165**
Less than 50 lb	2 560	97	31	262	1 405	54	1	121	5	–
50 to 99 lb	1 039	77	25	316	514	40	1	62	5	1
100 to 499 lb	3 280	430	145	319	1 310	203	3	186	24	2
500 to 749 lb	1 149	179	55	308	362	90	1	67	12	1
750 to 999 lb	909	162	67	415	339	72	1	58	13	1
1,000 to 9,999 lb	7 815	2 506	744	306	2 870	1 021	21	497	238	22
10,000 to 49,999 lb	7 850	9 891	4 011	401	1 922	2 926	58	704	886	80
50,000 to 99,999 lb	1 390	1 514	405	242	405	472	11	S	S	S
100,000 lb or more	2 090	3 312	1 077	462	1 347	1 557	18	S	S	S
SCTG 34, Machinery	**37 880**	**4 532**	**2 423**	**289**	**10 026**	**1 121**	**27**	**2 314**	**298**	**29**
Less than 50 lb	4 592	97	29	269	1 917	51	1	277	8	1
50 to 99 lb	1 646	72	18	241	798	43	1	121	5	–
100 to 499 lb	5 086	314	116	350	1 851	138	3	353	22	2
500 to 749 lb	1 324	135	48	348	416	62	1	96	7	1
750 to 999 lb	1 116	104	61	579	135	23	–	55	8	1
1,000 to 9,999 lb	11 661	1 290	659	481	3 028	416	S	S	61	6
10,000 to 49,999 lb	10 486	2 042	1 135	566	1 664	329	8	579	S	S
50,000 to 99,999 lb	909	236	135	586	147	42	1	S	S	S
100,000 lb or more	1 059	242	223	894	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**118 048**	**5 192**	**3 258**	**533**	**27 129**	**1 336**	**32**	**3 035**	**254**	**27**
Less than 50 lb	23 333	178	81	520	5 316	81	1	655	8	1
50 to 99 lb	8 250	123	68	533	1 953	49	1	319	3	–
100 to 499 lb	26 012	592	348	597	4 327	173	3	664	46	4
500 to 749 lb	4 593	197	100	505	1 557	42	1	57	6	1
750 to 999 lb	3 306	165	114	702	906	37	1	S	5	–
1,000 to 9,999 lb	28 316	1 749	1 001	584	S	504	12	S	S	S
10,000 to 49,999 lb	22 879	1 842	1 176	594	S	S	S	S	S	S
50,000 to 99,999 lb	974	S	S	1 117	S	S	S	S	S	S
100,000 lb or more	383	71	50	666	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)	**28 092**	**3 728**	**1 805**	**236**	**6 963**	**1 017**	**23**	**1 868**	**370**	**32**
Less than 50 lb	3 000	144	33	223	1 404	84	1	207	12	1
50 to 99 lb	1 098	80	16	196	447	42	1	71	7	1
100 to 499 lb	4 101	336	105	300	1 245	119	3	240	32	3
500 to 749 lb	1 076	74	26	337	228	27	1	20	3	–
750 to 999 lb	701	60	22	355	167	18	–	S	4	–
1,000 to 9,999 lb	7 393	949	492	535	1 533	265	4	236	59	5
10,000 to 49,999 lb	8 107	1 705	741	445	1 701	409	S	S	S	S
50,000 to 99,999 lb	S	313	S	1 149	S	23	–	S	S	S
100,000 lb or more	208	66	S	240	166	29	1	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**7 400**	**640**	**343**	**608**	**1 640**	**158**	**3**	**127**	**S**	**S**
Less than 50 lb	1 213	S	4	619	210	1	–	S	S	S
50 to 99 lb	S	2	1	628	68	S	–	S	S	S
100 to 499 lb	970	7	4	468	356	3	–	S	–	–
500 to 749 lb	578	3	2	785	S	–	–	S	S	S
750 to 999 lb	S	2	2	867	S	S	S	–	–	–
1,000 to 9,999 lb	2 538	102	57	504	S	10	S	S	S	S
10,000 to 49,999 lb	803	213	70	438	36	28	1	S	S	S
50,000 to 99,999 lb	S	S	S	270	S	S	S	–	–	–
100,000 lb or more	422	282	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**15 384**	**192**	**113**	**931**	**2 426**	**61**	**1**	**483**	**11**	**1**
Less than 50 lb	S	S	S	950	789	12	–	296	3	–
50 to 99 lb	775	11	4	355	241	5	–	S	1	–
100 to 499 lb	1 674	39	10	259	S	24	–	92	3	–
500 to 749 lb	282	8	3	405	74	1	S	S	S	S
750 to 999 lb	253	10	5	473	48	2	–	S	S	S
1,000 to 9,999 lb	1 049	41	19	518	235	15	–	S	S	S
10,000 to 49,999 lb	387	16	16	993	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	1 511	–	–	–	–	–	–
100,000 lb or more	S	S	S	137	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**12 596**	**1 997**	**842**	**463**	**3 737**	**581**	**S**	**S**	**S**	**S**
Less than 50 lb	404	18	S	498	166	8	–	7	–	–
50 to 99 lb	319	23	12	512	122	10	–	5	1	–
100 to 499 lb	2 105	174	75	426	1 065	83	1	50	10	1
500 to 749 lb	684	67	30	442	381	24	–	19	5	S
750 to 999 lb	244	47	21	454	85	17	S	11	2	–
1,000 to 9,999 lb	S	927	315	389	S	S	S	S	S	S
10,000 to 49,999 lb	S	716	375	524	150	43	1	23	6	1
50,000 to 99,999 lb	S	S	S	640	S	S	S	–	–	–
100,000 lb or more	S	S	S	14	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**40 039**	**9 113**	**4 117**	**583**	**8 411**	**2 289**	**51**	**2 114**	**861**	**76**
Less than 50 lb	13 302	180	95	612	2 079	57	1	357	15	1
50 to 99 lb	1 439	78	34	425	464	29	1	97	6	1
100 to 499 lb	4 083	325	148	447	1 234	115	2	180	25	2
500 to 749 lb	1 428	161	71	440	335	48	1	103	15	1
750 to 999 lb	802	126	49	386	205	32	1	98	20	2
1,000 to 9,999 lb	9 751	1 815	745	417	2 828	641	16	468	171	15
10,000 to 49,999 lb	8 218	5 109	2 144	417	1 163	1 175	27	S	433	43
50,000 to 99,999 lb	306	441	146	311	68	S	2	6	9	1
100,000 lb or more	712	878	686	830	35	19	S	S	S	S
SCTG 41, Waste and scrap	**2 098**	**11 773**	**2 732**	**166**	**736**	**5 498**	**124**	**116**	**820**	**87**
Less than 50 lb	S	S	S	296	S	S	S	S	S	S
50 to 99 lb	S	S	S	88	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	84	S	S	S	S	S	S
750 to 999 lb	S	S	S	40	S	S	S	–	–	–
1,000 to 9,999 lb	45	S	5	S	S	S	S	S	S	S
10,000 to 49,999 lb	1 297	5 979	1 074	169	411	3 379	84	80	456	45
50,000 to 99,999 lb	104	1 314	136	102	64	830	S	10	S	S
100,000 lb or more	647	4 401	1 515	286	228	1 223	S	18	154	18
SCTG 43, Mixed freight	**25 621**	**10 899**	**1 843**	**113**	**7 487**	**3 510**	**100**	**3 483**	**1 675**	**154**
Less than 50 lb	640	45	3	63	414	35	–	S	S	S
50 to 99 lb	299	38	5	143	190	23	–	39	6	–
100 to 499 lb	1 037	246	37	158	431	122	3	161	38	3
500 to 749 lb	613	198	22	107	302	104	2	74	27	2
750 to 999 lb	452	183	28	154	153	70	2	82	25	2
1,000 to 9,999 lb	7 172	3 564	632	177	2 538	1 448	40	891	476	44
10,000 to 49,999 lb	15 118	6 448	1 086	159	3 456	1 706	52	2 027	1 010	93
50,000 to 99,999 lb	S	S	S	180	S	S	S	S	S	S
100,000 lb or more	S	S	S	111	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**4 186**	**4 242**	**1 584**	**432**	**1 289**	**1 410**	**34**	**S**	**127**	**12**
Less than 50 lb	403	9	3	515	116	5	–	S	–	–
50 to 99 lb	98	4	1	S	S	3	–	S	S	S
100 to 499 lb	199	18	4	S	52	10	–	S	S	S
500 to 749 lb	72	10	2	201	37	6	–	S	S	S
750 to 999 lb	48	7	1	225	S	S	S	S	S	S
1,000 to 9,999 lb	749	221	66	283	S	60	S	S	18	2
10,000 to 49,999 lb	S	1 463	463	303	368	525	17	S	S	S
50,000 to 99,999 lb	S	353	42	120	S	S	S	S	S	S
100,000 lb or more	631	2 156	1 001	862	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	**131 804**	**205 713**	**43 153**	**100 777**	**127 678**	**53 627**	**61 867**	**88 748**	**73 719**	**71 665**	**80 803**	**87 655**
Less than 50 lb	8 362	197	40	8 170	139	60	7 932	101	77	9 212	119	123
50 to 99 lb	2 561	154	31	1 863	86	37	1 436	55	43	1 389	46	49
100 to 499 lb	8 475	888	177	6 169	507	212	3 680	244	184	6 486	250	263
500 to 749 lb	2 842	495	99	2 253	262	107	1 165	93	70	1 563	100	104
750 to 999 lb	1 896	472	94	1 927	220	88	742	108	80	937	74	78
1,000 to 9,999 lb	23 828	8 005	1 594	17 068	4 343	1 773	8 860	1 854	1 373	12 187	1 704	1 788
10,000 to 49,999 lb	56 962	66 345	13 168	37 405	40 673	16 773	22 779	19 441	14 575	22 198	13 636	14 202
50,000 to 99,999 lb	5 500	26 298	4 922	2 761	6 988	2 781	1 325	1 986	1 557	1 780	1 631	1 795
100,000 lb or more	21 378	102 858	23 028	23 160	74 461	31 797	13 949	64 866	55 759	15 913	63 243	69 252
SCTG 01, Live animals and live fish	**55**	**32**	**7**	**169**	**113**	**54**	**31**	**12**	**9**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	1	1	–	S	S	S	–	–	–
10,000 to 49,999 lb	26	16	3	72	48	22	25	9	7	S	S	S
50,000 to 99,999 lb	10	6	1	49	31	15	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**656**	**4 308**	**843**	**383**	**3 116**	**1 520**	**369**	**2 552**	**2 295**	**126**	**482**	**605**
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	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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44	220	41	79	S	S	23	92	66	12	S	S
50,000 to 99,999 lb	378	3 078	517	S	S	S	6	44	30	–	–	–
100,000 lb or more	114	915	268	192	1 544	892	338	2 415	2 198	113	439	558
SCTG 03, Other agricultural products	**971**	**S**	**S**	**706**	**1 737**	**950**	**160**	**468**	**391**	**288**	**483**	**541**
Less than 50 lb	3	1	S	S	–	–	S	–	–	S	S	S
50 to 99 lb	1	–	–	S	–	–	S	S	S	S	S	S
100 to 499 lb	20	9	2	7	2	1	S	S	S	S	–	–
500 to 749 lb	29	18	3	S	2	1	–	S	S	S	S	S
750 to 999 lb	9	S	S	3	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	182	178	33	100	111	48	19	25	18	18	28	32
10,000 to 49,999 lb	382	765	155	349	637	261	61	S	S	121	206	218
50,000 to 99,999 lb	41	191	45	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**1 911**	**4 389**	**855**	**1 489**	**2 861**	**1 204**	**599**	**1 527**	**1 113**	**449**	**319**	**352**
Less than 50 lb	S	–	–	2	S	–	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S	–	–	–
100 to 499 lb	9	4	1	7	1	1	S	S	S	S	S	S
500 to 749 lb	6	4	1	S	S	S	S	–	–	S	S	S
750 to 999 lb	S	4	1	8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	176	209	43	191	78	33	S	15	11	20	5	6
10,000 to 49,999 lb	S	2 302	461	1 080	1 897	794	304	639	463	252	173	185
50,000 to 99,999 lb	287	1 829	341	88	432	183	27	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	192	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**3 321**	**1 801**	**366**	**3 655**	**2 111**	**886**	**2 105**	**1 076**	**804**	**2 327**	**815**	**861**
Less than 50 lb	S	1	–	S	–	–	S	S	S	S	S	S
50 to 99 lb	15	2	–	S	S	S	S	–	–	S	S	S
100 to 499 lb	76	30	6	13	4	2	S	S	S	S	1	1
500 to 749 lb	82	35	7	S	S	S	S	S	S	S	1	1
750 to 999 lb	71	35	7	S	3	1	2	1	1	S	S	S
1,000 to 9,999 lb	956	513	95	508	228	87	154	55	40	447	92	95
10,000 to 49,999 lb	2 044	1 143	245	2 627	1 641	682	1 869	930	689	1 845	706	749
50,000 to 99,999 lb	S	S	S	S	18	8	38	41	33	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**3 997**	**1 956**	**398**	**1 371**	**1 646**	**680**	**618**	**677**	**526**	**594**	**764**	**862**
Less than 50 lb	S	2	–	1	S	S	S	S	S	S	S	S
50 to 99 lb	4	3	–	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	33	6	S	13	5	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	1	–	2	1	1
1,000 to 9,999 lb	S	343	69	S	195	83	S	54	43	63	27	28
10,000 to 49,999 lb	S	1 032	199	600	1 029	409	380	449	337	328	335	352
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	164	38	71	235	118	58	158	134	188	392	472

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	**8 512**	**7 517**	**1 446**	**4 524**	**4 947**	**2 102**	**2 399**	**2 560**	**1 956**	**1 797**	**1 131**	**1 194**
Less than 50 lb	60	9	2	23	3	1	S	S	S	S	S	S
50 to 99 lb	35	S	S	20	3	2	S	S	S	2	S	–
100 to 499 lb	202	119	22	67	26	10	S	S	S	S	S	S
500 to 749 lb	124	40	8	36	10	4	S	S	S	S	S	S
750 to 999 lb	138	57	10	65	20	7	1	–	–	S	S	S
1,000 to 9,999 lb	852	559	111	726	371	138	187	83	61	168	73	74
10,000 to 49,999 lb	6 645	5 545	1 069	3 208	3 460	1 435	1 760	1 496	1 149	1 467	826	854
50,000 to 99,999 lb	228	566	102	S	199	78	S	S	S	S	S	S
100,000 lb or more	S	S	S	288	853	427	399	949	723	85	200	232
SCTG 08, Alcoholic beverages	**1 202**	**1 292**	**263**	**545**	**731**	**297**	**204**	**S**	**S**	**145**	**149**	**154**
Less than 50 lb	3	1	–	S	S	S	S	S	S	–	–	–
50 to 99 lb	9	2	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	64	18	3	S	S	S	S	S	S	S	S	S
500 to 749 lb	46	14	2	S	S	S	S	S	S	–	–	–
750 to 999 lb	28	9	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	182	74	12	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	688	891	178	469	593	241	120	111	82	127	132	137
50,000 to 99,999 lb	122	169	34	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 09, Tobacco products	**184**	**S**	**S**	**S**	**9**	**3**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	25	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	80	5	1	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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**1**	**1**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	3	1	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**75**	**4 650**	**979**	**33**	**S**	**S**	**S**	**387**	**342**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	1	S	S	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	26	468	89	11	201	67	S	S	S	S	S	S
50,000 to 99,999 lb	16	741	150	S	S	S	S	S	50	–	–	–
100,000 lb or more	S	3 432	738	15	S	S	S	297	276	S	S	S
SCTG 12, Gravel and crushed stone	**76**	**10 660**	**2 224**	**5**	**525**	**224**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	9	2	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	21	2 397	436	2	135	54	S	S	S	–	–	–
50,000 to 99,999 lb	15	1 715	301	1	91	S	S	S	S	–	–	–
100,000 lb or more	38	6 538	1 485	3	300	128	S	S	S	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**172**	**2 857**	**S**	**184**	**1 292**	**633**	**172**	**S**	**S**	**72**	**2 756**	**3 650**
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
100 to 499 lb	S	S	S	2	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	17	30	6	11	7	3	S	S	S	S	S	S
10,000 to 49,999 lb	124	955	190	144	600	260	60	434	325	18	122	122
50,000 to 99,999 lb	17	628	122	3	91	35	S	90	70	S	S	S
100,000 lb or more	S	S	S	22	592	334	103	S	S	42	2 624	3 518

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	**S**	**S**	**S**	**S**	**S**	**S**	**54**	**102**	**73**	**162**	**729**	**947**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	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	S	S	S	S	S	S	108	666	882
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	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	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**5 638**	**27 273**	**4 931**	**5 241**	**26 609**	**8 814**	**2 347**	**25 000**	**19 784**	**1 585**	**28 112**	**26 264**
Less than 50 lb	–	–	–	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	249	198	39	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	196	701	120	S	S	34	31	23	16	S	S	S
50,000 to 99,999 lb	603	2 696	494	67	298	121	S	S	S	S	S	S
100,000 lb or more	4 588	23 676	4 278	5 081	26 211	8 655	2 234	24 670	19 530	1 497	27 795	25 881
SCTG 18, Fuel oils	**3 592**	**19 433**	**3 585**	**628**	**4 275**	**1 675**	**847**	**5 046**	**3 988**	**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	–	–	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	142	137	27	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	87	400	64	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	130	702	118	S	S	S	S	S	S	S	S	S
100,000 lb or more	3 233	18 188	3 374	579	4 068	1 600	841	5 025	3 975	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**3 720**	**14 759**	**2 982**	**3 007**	**8 714**	**3 999**	**2 754**	**7 426**	**6 530**	**1 303**	**2 398**	**2 809**
Less than 50 lb	15	2	S	S	S	S	1	S	S	S	S	S
50 to 99 lb	S	2	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	16	S	12	3	1	2	S	S	3	1	1
500 to 749 lb	4	3	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	37	45	17	S	S	S	S	23	23
10,000 to 49,999 lb	1 031	4 464	826	887	1 738	716	S	S	S	613	872	904
50,000 to 99,999 lb	137	785	161	34	153	55	S	38	32	S	32	34
100,000 lb or more	2 284	9 238	1 938	2 020	6 766	3 207	1 662	5 223	4 797	605	1 470	1 846
SCTG 20, Basic chemicals	**8 483**	**20 871**	**5 151**	**S**	**22 201**	**9 430**	**4 512**	**8 381**	**7 403**	**8 873**	**15 213**	**19 390**
Less than 50 lb	33	2	–	S	1	–	S	–	–	7	S	S
50 to 99 lb	S	S	S	11	S	S	S	S	S	4	S	S
100 to 499 lb	52	9	2	55	7	3	16	3	2	S	S	S
500 to 749 lb	13	6	1	12	3	1	S	1	–	4	–	–
750 to 999 lb	7	3	1	S	S	S	1	–	–	2	–	–
1,000 to 9,999 lb	169	165	31	383	148	55	76	26	19	S	S	S
10,000 to 49,999 lb	2 161	5 751	1 155	S	4 450	1 704	1 391	1 243	914	1 680	1 251	1 308
50,000 to 99,999 lb	S	518	86	139	287	125	83	144	117	S	401	413
100,000 lb or more	5 702	14 414	3 874	S	17 297	7 538	2 922	6 964	6 349	6 630	13 488	17 590
SCTG 21, Pharmaceutical products	**2 641**	**113**	**22**	**1 550**	**47**	**20**	**783**	**86**	**64**	**872**	**79**	**83**
Less than 50 lb	1 084	16	3	536	7	3	367	3	2	543	4	4
50 to 99 lb	329	7	1	185	3	1	S	S	S	98	1	1
100 to 499 lb	558	22	5	227	9	4	S	2	2	S	S	S
500 to 749 lb	164	6	1	S	1	–	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	202	16	3	207	11	5	43	S	S	S	S	1
10,000 to 49,999 lb	S	40	8	37	13	6	265	71	54	132	68	72
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	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	**598**	**3 855**	**963**	**638**	**4 813**	**2 301**	**560**	**3 425**	**3 160**	**502**	**2 954**	**3 706**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	2	1	–	S	S	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	35	64	11	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	199	1 078	207	94	437	182	40	S	S	19	71	78
50,000 to 99,999 lb	140	1 012	205	33	216	83	7	50	39	S	S	S
100,000 lb or more	221	1 698	539	497	4 149	2 031	511	3 234	3 019	479	2 866	3 612
SCTG 23, Chemical products and preparations, n.e.c.	**3 792**	**3 169**	**668**	**2 927**	**1 813**	**754**	**1 800**	**869**	**698**	**1 683**	**993**	**1 026**
Less than 50 lb	199	9	2	157	8	3	75	3	2	51	2	2
50 to 99 lb	52	7	1	62	6	2	8	1	1	10	1	1
100 to 499 lb	197	37	7	125	19	8	55	8	6	38	9	9
500 to 749 lb	37	13	3	58	13	5	S	5	3	18	5	5
750 to 999 lb	38	12	2	48	13	5	S	7	5	11	2	2
1,000 to 9,999 lb	348	137	27	535	172	70	296	75	55	284	91	97
10,000 to 49,999 lb	S	1 843	351	1 696	1 349	561	1 084	513	392	743	385	393
50,000 to 99,999 lb	35	173	29	10	27	12	S	S	S	S	S	S
100,000 lb or more	327	S	S	235	206	87	172	218	200	523	478	496
SCTG 24, Plastics and rubber	**4 563**	**3 327**	**711**	**4 661**	**3 553**	**1 683**	**5 380**	**4 121**	**3 371**	**6 602**	**5 395**	**6 022**
Less than 50 lb	236	10	2	168	5	2	170	5	4	265	S	S
50 to 99 lb	94	13	S	56	6	2	41	4	3	40	3	3
100 to 499 lb	361	38	7	164	25	10	124	14	11	142	15	16
500 to 749 lb	78	21	4	64	13	6	40	6	5	47	9	9
750 to 999 lb	51	13	3	53	12	5	38	8	6	49	9	9
1,000 to 9,999 lb	1 051	415	85	987	409	177	744	277	206	688	216	216
10,000 to 49,999 lb	1 578	1 426	271	1 910	1 477	646	2 307	1 248	931	2 773	1 569	1 631
50,000 to 99,999 lb	24	28	5	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 090	1 364	331	1 254	1 600	832	1 896	2 552	2 202	2 587	3 558	4 121
SCTG 25, Logs and other wood in the rough	**230**	**S**	**S**	**74**	**425**	**164**	**S**	**S**	**S**	**S**	**30**	**32**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	3	5	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	70	695	126	54	325	125	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	17	91	35	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	25	27
SCTG 26, Wood products	**4 672**	**S**	**S**	**2 202**	**7 711**	**3 094**	**1 311**	**3 175**	**2 604**	**1 127**	**2 757**	**3 043**
Less than 50 lb	14	2	–	15	1	–	S	S	S	S	S	S
50 to 99 lb	18	2	–	S	S	S	6	1	1	S	–	S
100 to 499 lb	133	34	6	S	S	S	20	3	2	S	1	1
500 to 749 lb	35	12	2	16	4	2	4	1	1	3	1	1
750 to 999 lb	S	S	S	16	4	1	S	1	1	2	1	1
1,000 to 9,999 lb	472	382	73	160	88	34	134	54	40	57	25	25
10,000 to 49,999 lb	2 563	8 835	1 947	1 487	5 041	1 971	587	1 166	857	343	466	472
50,000 to 99,999 lb	363	1 362	282	214	1 622	584	39	104	80	30	69	71
100,000 lb or more	S	S	S	232	938	497	498	S	1 621	651	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 574**	**2 543**	**604**	**1 790**	**3 321**	**1 564**	**1 986**	**3 810**	**3 203**	**1 655**	**3 080**	**3 365**
Less than 50 lb	7	1	–	2	–	–	S	S	S	S	S	S
50 to 99 lb	10	1	–	S	–	–	1	S	S	S	S	S
100 to 499 lb	32	13	2	13	6	2	S	S	1	S	S	S
500 to 749 lb	19	12	2	S	S	S	S	S	S	3	S	S
750 to 999 lb	6	4	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	92	72	15	35	28	11	21	26	19	18	15	16
10,000 to 49,999 lb	1 096	1 502	324	1 195	1 745	773	962	1 383	1 057	986	1 296	1 337
50,000 to 99,999 lb	27	92	28	46	121	57	66	159	145	35	102	127
100,000 lb or more	286	847	230	495	1 420	721	927	2 239	1 980	606	1 662	1 880
SCTG 28, Paper or paperboard articles	**2 171**	**1 438**	**280**	**1 331**	**901**	**378**	**606**	**408**	**310**	**842**	**478**	**481**
Less than 50 lb	S	S	1	21	2	1	18	S	S	16	1	1
50 to 99 lb	11	2	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	60	18	3	41	8	4	S	5	4	19	4	4
500 to 749 lb	35	17	3	9	3	1	S	1	1	S	–	–
750 to 999 lb	10	6	1	12	5	2	S	S	S	S	S	S
1,000 to 9,999 lb	547	254	48	193	121	50	85	43	31	59	23	24
10,000 to 49,999 lb	1 413	1 129	221	967	674	286	419	320	245	672	383	386
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

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	**1 238**	**439**	**89**	**1 014**	**334**	**152**	**1 031**	**212**	**151**	**1 161**	**168**	**175**
Less than 50 lb	296	20	4	377	17	S	431	15	11	514	19	20
50 to 99 lb	50	8	2	64	3	2	47	S	S	85	4	4
100 to 499 lb	188	25	5	186	20	9	230	22	15	257	16	17
500 to 749 lb	58	12	2	60	6	3	23	4	3	39	3	3
750 to 999 lb	34	14	3	24	4	2	S	3	2	31	2	2
1,000 to 9,999 lb	351	194	38	201	87	35	97	35	25	160	28	28
10,000 to 49,999 lb	251	130	29	95	149	68	154	127	90	73	88	91
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**5 408**	**S**	**S**	**6 543**	**S**	**S**	**2 550**	**230**	**184**	**1 945**	**222**	**234**
Less than 50 lb	472	13	3	601	15	7	525	14	10	578	16	17
50 to 99 lb	62	4	1	96	5	2	136	7	5	92	5	6
100 to 499 lb	96	13	3	151	14	6	264	16	12	248	18	20
500 to 749 lb	S	15	3	53	6	2	S	S	4	63	4	4
750 to 999 lb	33	6	1	21	2	1	85	S	S	28	2	2
1,000 to 9,999 lb	S	S	S	1 584	118	44	596	40	30	386	47	49
10,000 to 49,999 lb	S	S	S	S	S	S	870	107	89	538	118	124
50,000 to 99,999 lb	S	S	S	S	S	S	25	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**2 047**	**16 853**	**3 463**	**1 205**	**5 057**	**2 167**	**883**	**2 138**	**1 590**	**895**	**1 614**	**1 710**
Less than 50 lb	37	4	1	40	3	1	37	2	1	17	1	1
50 to 99 lb	20	S	S	18	S	S	10	1	S	12	1	1
100 to 499 lb	63	S	S	54	7	3	18	3	2	33	5	5
500 to 749 lb	S	S	S	3	2	1	3	1	1	S	2	S
750 to 999 lb	13	7	2	S	S	S	S	S	S	S	–	–
1,000 to 9,999 lb	195	348	63	117	129	49	66	46	34	59	35	37
10,000 to 49,999 lb	1 193	9 477	1 813	885	3 861	1 610	639	1 691	1 262	687	1 197	1 229
50,000 to 99,999 lb	351	5 079	1 069	51	518	218	58	171	114	39	119	132
100,000 lb or more	157	1 898	508	35	533	284	44	221	174	32	254	302
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**3 672**	**5 395**	**1 124**	**3 440**	**5 604**	**2 906**	**2 439**	**3 242**	**2 557**	**2 815**	**2 888**	**3 410**
Less than 50 lb	31	2	–	37	2	1	19	1	1	22	1	1
50 to 99 lb	33	3	1	42	2	1	9	1	1	13	1	1
100 to 499 lb	197	36	7	113	18	7	S	6	4	S	10	11
500 to 749 lb	S	27	S	40	11	4	11	1	1	S	5	5
750 to 999 lb	60	23	5	11	3	2	8	S	S	9	2	2
1,000 to 9,999 lb	765	497	95	402	231	93	318	96	71	380	107	111
10,000 to 49,999 lb	1 928	3 252	668	1 790	2 669	1 161	1 353	1 640	1 231	1 366	1 244	1 303
50,000 to 99,999 lb	159	S	S	S	312	150	S	S	S	23	42	55
100,000 lb or more	S	S	S	830	2 356	1 487	S	S	S	852	1 476	1 920
SCTG 33, Articles of base metal	**4 325**	**2 790**	**560**	**4 311**	**3 055**	**1 305**	**2 086**	**2 161**	**1 653**	**1 743**	**725**	**774**
Less than 50 lb	246	10	2	241	8	3	130	6	4	179	6	7
50 to 99 lb	134	9	2	75	5	2	90	4	3	76	5	6
100 to 499 lb	493	69	15	343	50	21	221	20	15	286	28	29
500 to 749 lb	113	17	3	196	26	12	59	8	6	S	17	17
750 to 999 lb	153	22	4	106	20	8	43	6	5	21	4	5
1,000 to 9,999 lb	1 482	513	107	1 153	356	150	532	151	113	285	63	67
10,000 to 49,999 lb	1 332	1 552	317	1 324	1 872	782	853	1 339	987	630	517	551
50,000 to 99,999 lb	135	S	48	S	S	S	30	S	S	S	S	S
100,000 lb or more	236	359	62	231	S	S	129	S	S	S	S	S
SCTG 34, Machinery	**5 574**	**747**	**138**	**5 759**	**665**	**300**	**3 550**	**528**	**395**	**4 473**	**506**	**531**
Less than 50 lb	609	12	3	528	9	4	236	5	4	534	6	6
50 to 99 lb	216	8	2	152	5	2	94	3	3	107	4	4
100 to 499 lb	754	42	9	666	34	15	477	29	23	380	19	20
500 to 749 lb	184	16	3	210	16	7	183	11	8	90	8	8
750 to 999 lb	S	17	3	167	12	5	77	8	6	181	S	S
1,000 to 9,999 lb	973	168	33	1 463	180	80	1 082	131	98	1 902	170	179
10,000 to 49,999 lb	S	S	68	1 997	335	153	1 177	264	198	1 202	246	260
50,000 to 99,999 lb	199	S	S	146	31	14	105	49	34	S	11	11
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**19 607**	**842**	**192**	**7 223**	**461**	**209**	**7 574**	**589**	**425**	**15 348**	**628**	**665**
Less than 50 lb	2 434	23	5	1 817	14	6	2 299	11	9	2 037	13	14
50 to 99 lb	854	21	5	494	8	4	615	11	9	563	6	6
100 to 499 lb	2 728	S	S	1 650	S	26	1 137	30	23	3 786	49	52
500 to 749 lb	S	S	S	464	S	S	344	12	9	589	18	18
750 to 999 lb	115	S	S	S	S	S	77	S	S	435	11	12
1,000 to 9,999 lb	5 766	319	80	1 459	124	51	1 683	192	135	3 936	154	162
10,000 to 49,999 lb	S	306	63	770	174	83	1 406	299	214	3 561	257	262
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

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)	**3 971**	**566**	**114**	**4 987**	**658**	**293**	**3 741**	**378**	**301**	**3 202**	**326**	**366**
Less than 50 lb	373	16	3	440	14	6	104	4	3	142	5	5
50 to 99 lb	262	14	3	206	10	4	44	3	2	19	1	1
100 to 499 lb	676	53	11	1 225	83	35	312	19	15	185	11	11
500 to 749 lb	93	9	2	S	22	9	S	6	4	43	4	4
750 to 999 lb	99	10	2	S	S	S	S	S	S	S	2	3
1,000 to 9,999 lb	937	155	33	895	137	60	1 087	110	87	S	S	S
10,000 to 49,999 lb	S	S	S	1 223	338	149	1 294	147	112	621	108	114
50,000 to 99,999 lb	20	10	2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**1 164**	**251**	**50**	**941**	**99**	**S**	**650**	**36**	**27**	**353**	**S**	**S**
Less than 50 lb	217	S	S	105	–	–	107	–	–	145	S	1
50 to 99 lb	S	S	–	32	S	S	S	S	S	S	–	–
100 to 499 lb	S	1	–	101	1	–	S	–	–	S	–	–
500 to 749 lb	S	1	–	S	–	–	S	S	–	S	–	–
750 to 999 lb	S	S	S	3	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	300	S	S	551	35	15	258	14	11	81	4	4
10,000 to 49,999 lb	212	134	23	28	10	4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**1 427**	**17**	**4**	**1 345**	**23**	**10**	**S**	**21**	**15**	**S**	**S**	**S**
Less than 50 lb	936	5	1	907	4	2	S	S	S	S	S	S
50 to 99 lb	67	1	–	73	1	–	116	1	1	52	1	1
100 to 499 lb	97	2	1	76	4	2	79	1	1	109	2	2
500 to 749 lb	S	S	–	S	3	1	S	–	–	S	–	–
750 to 999 lb	S	1	S	10	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	170	5	1	95	S	S	S	5	3	S	2	2
10,000 to 49,999 lb	S	S	S	S	S	S	S	3	2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**S**	**S**	**86**	**S**	**251**	**97**	**752**	**180**	**137**	**985**	**185**	**190**
Less than 50 lb	S	1	–	S	1	1	S	S	S	39	S	S
50 to 99 lb	23	2	1	13	1	–	14	2	1	24	3	3
100 to 499 lb	107	14	3	131	15	7	87	14	10	S	15	16
500 to 749 lb	44	8	2	55	9	4	39	7	5	S	6	6
750 to 999 lb	21	5	1	27	5	2	37	7	5	37	6	6
1,000 to 9,999 lb	302	70	15	S	S	S	221	68	52	272	72	74
10,000 to 49,999 lb	S	S	S	S	47	21	S	79	60	166	79	80
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**5 636**	**1 988**	**395**	**6 136**	**1 457**	**619**	**4 049**	**818**	**592**	**4 268**	**723**	**765**
Less than 50 lb	759	23	5	S	21	9	S	17	13	S	16	17
50 to 99 lb	145	12	2	181	11	5	104	4	3	126	6	6
100 to 499 lb	592	51	11	411	40	17	302	27	20	345	26	27
500 to 749 lb	209	27	6	250	29	12	108	13	10	151	10	11
750 to 999 lb	131	23	5	116	S	10	49	6	4	47	7	8
1,000 to 9,999 lb	1 697	312	62	1 453	246	105	713	123	89	604	93	97
10,000 to 49,999 lb	1 893	1 237	243	1 316	869	363	918	596	428	855	394	411
50,000 to 99,999 lb	64	129	26	60	39	16	22	20	15	36	S	S
100,000 lb or more	146	S	S	S	178	82	S	S	S	57	123	141
SCTG 41, Waste and scrap	**447**	**2 748**	**623**	**385**	**1 976**	**1 017**	**159**	**262**	**203**	**78**	**177**	**186**
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	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	1	S	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	248	1 085	214	219	641	251	146	161	120	67	90	91
50,000 to 99,999 lb	19	211	54	8	S	S	–	–	–	S	S	S
100,000 lb or more	175	1 451	355	155	1 268	733	13	101	83	S	S	S
SCTG 43, Mixed freight	**10 154**	**4 341**	**879**	**S**	**1 017**	**391**	**S**	**S**	**S**	**312**	**121**	**129**
Less than 50 lb	39	3	–	S	2	1	S	S	S	S	1	1
50 to 99 lb	18	4	1	28	3	1	S	S	S	S	S	S
100 to 499 lb	242	53	11	114	21	8	S	4	3	44	8	8
500 to 749 lb	160	49	9	49	15	6	S	1	1	S	S	S
750 to 999 lb	154	65	13	53	19	S	S	S	S	S	S	S
1,000 to 9,999 lb	2 503	1 068	217	944	416	173	78	41	29	S	S	S
10,000 to 49,999 lb	6 918	3 025	614	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	–	–	–	–	–	–	–	–	–

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	**1 392**	**1 002**	**207**	**483**	**S**	**S**	**190**	**S**	**S**	**210**	**147**	**S**
Less than 50 lb	102	1	–	44	1	–	9	–	–	S	–	–
50 to 99 lb	S	S	S	4	–	–	S	S	S	S	S	S
100 to 499 lb	41	4	1	S	2	1	S	–	–	S	–	–
500 to 749 lb	S	1	–	4	S	S	S	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	176	S	S	65	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	163	127	53	99	103	80	78	67	70
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	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	**106 226**	**64 499**	**107 455**	**20 886**	**8 832**	**19 143**	**1 669**	**544**	**1 622**
Less than 50 lb	19 509	173	252	3 231	37	73	236	3	10
50 to 99 lb	4 330	69	102	1 178	22	43	30	1	4
100 to 499 lb	12 937	362	524	3 597	94	186	S	4	14
500 to 749 lb	1 906	112	160	431	24	47	S	1	4
750 to 999 lb	2 146	133	197	511	39	81	S	S	S
1,000 to 9,999 lb	17 526	2 224	3 289	4 210	454	916	100	29	80
10,000 to 49,999 lb	28 242	17 371	25 770	5 173	3 556	7 179	77	53	173
50,000 to 99,999 lb	1 862	1 246	1 989	221	256	558	S	S	S
100,000 lb or more	17 767	42 808	75 172	2 333	4 351	10 059	713	430	1 283
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**23**	**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	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**331**	**646**	**969**	**161**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	1	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	1	1	–	–	–	–	–	–
1,000 to 9,999 lb	50	63	92	11	12	24	–	–	–
10,000 to 49,999 lb	253	558	837	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 04, Animal feed and products of animal origin, n.e.c.	**304**	**312**	**472**	**58**	**59**	**126**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	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	20	3	4	3	2	3	–	–	–
10,000 to 49,999 lb	147	164	236	S	S	S	–	–	–
50,000 to 99,999 lb	30	S	S	S	S	S	–	–	–
100,000 lb or more	98	55	94	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**2 861**	**1 159**	**1 699**	**667**	**278**	**537**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	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	299	78	114	144	40	75	–	–	–
10,000 to 49,999 lb	2 474	1 048	1 541	473	197	372	–	–	–
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	**600**	**712**	**1 041**	**143**	**132**	**275**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	90	37	52	S	S	S	–	–	–
10,000 to 49,999 lb	366	381	552	106	91	184	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	121	280	420	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	**2 217**	**1 454**	**2 200**	**548**	**314**	**677**	**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	8	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	159	52	75	S	16	33	S	S	S
10,000 to 49,999 lb	1 858	1 083	1 617	442	224	455	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	149	S	S	38	S	S	–	–	–
SCTG 08, Alcoholic beverages	**418**	**173**	**267**	**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	377	147	228	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**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	–	–	–	–	–	–
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**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**11**	**203**	**328**	**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	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	135	230	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**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	–	–	–
100 to 499 lb	S	S	S	–	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	2	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	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	**155**	**516**	**884**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	74	107	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**939**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	861	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**1 957**	**5 817**	**10 675**	**255**	**400**	**914**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	S	S	–	–	–
100 to 499 lb	S	S	S	2	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	3	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	8	S	S	–	–	–
10,000 to 49,999 lb	488	998	1 570	116	143	326	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 339	4 490	8 584	123	238	547	S	S	S
SCTG 20, Basic chemicals	**S**	**16 938**	**27 113**	**1 100**	**950**	**2 056**	**S**	**S**	**S**
Less than 50 lb	17	S	S	S	S	S	S	S	S
50 to 99 lb	16	S	S	2	S	S	S	S	S
100 to 499 lb	14	3	4	2	S	S	–	–	–
500 to 749 lb	6	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	5	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	294	229	453	7	5	14
50,000 to 99,999 lb	56	96	142	S	S	S	–	–	–
100,000 lb or more	7 615	12 971	21 109	623	640	1 417	S	S	S
SCTG 21, Pharmaceutical products	**1 564**	**165**	**245**	**S**	**49**	**100**	**S**	**S**	**S**
Less than 50 lb	791	6	9	61	1	1	S	–	–
50 to 99 lb	105	1	1	S	S	S	–	–	–
100 to 499 lb	73	3	4	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	107	7	10	S	S	S	S	S	S
10,000 to 49,999 lb	464	148	220	119	42	86	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	**95**	**497**	**802**	**14**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	68	378	643	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**2 851**	**1 835**	**2 913**	**763**	**S**	**1 243**	**50**	**40**	**88**
Less than 50 lb	60	2	4	12	1	1	S	S	S
50 to 99 lb	19	2	3	2	–	1	–	–	–
100 to 499 lb	46	10	15	3	1	2	S	S	S
500 to 749 lb	18	4	6	3	1	1	S	S	S
750 to 999 lb	26	7	11	2	–	1	S	S	S
1,000 to 9,999 lb	707	134	192	38	17	34	S	S	S
10,000 to 49,999 lb	1 035	798	1 233	683	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	924	870	1 439	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**7 616**	**6 328**	**9 917**	**1 605**	**1 433**	**3 153**	**S**	**S**	**S**
Less than 50 lb	185	4	6	39	1	2	S	S	S
50 to 99 lb	S	4	6	15	1	2	S	S	S
100 to 499 lb	242	22	30	27	3	7	S	S	S
500 to 749 lb	72	9	13	12	2	5	S	S	S
750 to 999 lb	46	7	11	13	3	6	–	–	–
1,000 to 9,999 lb	855	215	308	153	42	84	S	S	S
10,000 to 49,999 lb	2 573	1 723	2 557	608	356	711	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	3 476	4 310	6 928	728	1 018	2 323	S	S	S
SCTG 25, Logs and other wood in the rough	**4**	**14**	**23**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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 26, Wood products	**1 108**	**2 530**	**4 245**	**228**	**411**	**923**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	–	1	S	–	–	–	–	–
100 to 499 lb	S	2	3	S	S	S	S	S	S
500 to 749 lb	7	2	2	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	134	46	68	28	10	20	S	S	S
10,000 to 49,999 lb	268	296	438	87	112	242	S	S	S
50,000 to 99,999 lb	56	246	431	5	14	33	–	–	–
100,000 lb or more	583	1 934	3 295	104	274	627	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 627**	**2 472**	**3 981**	**574**	**848**	**1 812**	**S**	**S**	**S**
Less than 50 lb	–	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	7	4	9	S	S	S
10,000 to 49,999 lb	920	1 049	1 551	309	372	770	S	S	S
50,000 to 99,999 lb	19	50	80	S	S	S	–	–	–
100,000 lb or more	567	1 330	2 284	239	421	922	–	–	–
SCTG 28, Paper or paperboard articles	**777**	**399**	**590**	**99**	**48**	**101**	**S**	**S**	**S**
Less than 50 lb	44	2	3	S	S	1	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	14	4	5	S	S	S	S	S	S
500 to 749 lb	S	2	3	S	S	S	–	–	–
750 to 999 lb	S	1	1	S	S	S	–	–	–
1,000 to 9,999 lb	44	20	29	7	4	8	S	S	S
10,000 to 49,999 lb	634	343	508	74	42	89	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**1 792**	**222**	**319**	**610**	**118**	**234**	**24**	**1**	**4**
Less than 50 lb	655	25	36	269	9	17	S	S	S
50 to 99 lb	103	6	8	44	S	S	S	S	S
100 to 499 lb	265	21	30	S	7	14	S	S	S
500 to 749 lb	29	4	5	S	S	S	–	–	–
750 to 999 lb	49	6	9	S	–	–	–	–	–
1,000 to 9,999 lb	306	45	62	S	9	17	S	S	S
10,000 to 49,999 lb	S	83	120	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**3 327**	**283**	**423**	**1 108**	**81**	**166**	**40**	**S**	**S**
Less than 50 lb	1 108	27	39	163	6	12	25	1	2
50 to 99 lb	240	10	15	47	2	5	1	S	S
100 to 499 lb	511	31	45	143	9	18	S	S	S
500 to 749 lb	89	5	7	40	2	3	S	S	S
750 to 999 lb	48	4	6	16	1	2	–	–	–
1,000 to 9,999 lb	510	63	92	526	34	65	S	S	S
10,000 to 49,999 lb	751	118	177	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**1 144**	**2 077**	**2 990**	**146**	**315**	**702**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	12	1	2	S	S	S	S	S	S
100 to 499 lb	48	5	8	8	1	1	–	–	–
500 to 749 lb	5	1	2	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	139	54	73	7	4	8	S	S	S
10,000 to 49,999 lb	792	1 487	2 098	96	156	329	–	–	–
50,000 to 99,999 lb	13	98	145	–	–	–	–	–	–
100,000 lb or more	58	425	656	23	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 957**	**1 914**	**2 961**	**415**	**496**	**1 137**	**423**	**229**	**586**
Less than 50 lb	28	1	2	S	–	–	S	S	S
50 to 99 lb	13	1	1	S	S	S	S	S	S
100 to 499 lb	72	9	13	S	S	S	S	S	S
500 to 749 lb	S	6	9	S	S	S	S	S	S
750 to 999 lb	22	3	4	S	S	S	S	S	S
1,000 to 9,999 lb	279	113	161	54	17	34	S	S	S
10,000 to 49,999 lb	815	700	990	102	67	142	S	S	S
50,000 to 99,999 lb	34	S	S	S	S	S	–	–	–
100,000 lb or more	630	1 013	1 667	203	398	928	386	222	566
SCTG 33, Articles of base metal	**2 502**	**952**	**1 391**	**778**	**304**	**595**	**14**	**1**	**3**
Less than 50 lb	199	8	11	37	1	3	3	–	–
50 to 99 lb	67	5	7	20	2	3	S	S	S
100 to 499 lb	303	26	37	134	10	22	S	S	S
500 to 749 lb	79	8	11	S	1	3	S	S	S
750 to 999 lb	57	10	14	S	S	S	S	S	S
1,000 to 9,999 lb	780	127	185	211	37	78	S	–	S
10,000 to 49,999 lb	909	617	893	176	182	343	–	–	–
50,000 to 99,999 lb	52	53	74	S	S	S	–	–	–
100,000 lb or more	57	99	158	S	S	S	–	–	–
SCTG 34, Machinery	**5 474**	**583**	**834**	**659**	**75**	**151**	**50**	**S**	**S**
Less than 50 lb	406	5	8	73	1	3	10	–	–
50 to 99 lb	137	3	5	18	–	1	S	S	S
100 to 499 lb	476	23	33	127	6	11	3	–	1
500 to 749 lb	121	13	17	24	1	3	–	–	–
750 to 999 lb	169	17	23	31	S	S	–	–	–
1,000 to 9,999 lb	2 251	142	205	139	22	44	S	S	S
10,000 to 49,999 lb	1 471	238	342	246	43	84	S	S	S
50,000 to 99,999 lb	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	**31 577**	**892**	**1 324**	**6 008**	**174**	**343**	**S**	**S**	**S**
Less than 50 lb	7 511	24	35	1 135	4	9	S	–	1
50 to 99 lb	S	16	25	S	S	S	S	S	S
100 to 499 lb	9 065	S	S	S	S	S	S	1	1
500 to 749 lb	922	23	34	S	S	8	S	S	S
750 to 999 lb	1 108	S	S	43	S	S	S	S	S
1,000 to 9,999 lb	6 797	257	382	1 544	65	129	S	S	S
10,000 to 49,999 lb	2 831	303	435	204	49	100	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**2 827**	**361**	**566**	**519**	**52**	**110**	**S**	**S**	**S**
Less than 50 lb	264	8	11	S	S	3	3	–	–
50 to 99 lb	34	2	3	16	1	1	–	–	–
100 to 499 lb	179	15	21	38	3	6	S	S	S
500 to 749 lb	S	3	5	S	S	S	–	–	–
750 to 999 lb	S	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	941	86	134	S	S	S	S	S	S
10,000 to 49,999 lb	547	155	226	179	24	49	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**1 243**	**25**	**35**	**1 243**	**6**	**13**	**S**	**S**	**S**
Less than 50 lb	234	S	S	163	–	1	S	S	S
50 to 99 lb	42	–	–	S	–	–	–	–	–
100 to 499 lb	150	1	1	S	–	1	S	S	S
500 to 749 lb	145	1	1	S	–	1	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	211	10	14	508	S	S	–	–	–
10,000 to 49,999 lb	163	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**S**	**35**	**51**	**S**	**5**	**10**	**14**	**S**	**S**
Less than 50 lb	S	S	S	S	2	4	S	–	S
50 to 99 lb	165	1	1	S	–	–	S	S	S
100 to 499 lb	230	2	4	14	–	1	S	S	S
500 to 749 lb	15	–	1	S	S	S	–	–	–
750 to 999 lb	S	1	1	–	–	–	–	–	–
1,000 to 9,999 lb	285	5	7	S	1	2	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**943**	**171**	**252**	**149**	**26**	**51**	**S**	**S**	**S**
Less than 50 lb	82	S	S	4	–	1	S	S	S
50 to 99 lb	S	3	4	11	1	2	–	–	–
100 to 499 lb	276	21	30	26	3	6	S	S	S
500 to 749 lb	55	7	10	S	S	S	S	S	S
750 to 999 lb	27	5	6	S	S	S	–	–	–
1,000 to 9,999 lb	195	43	68	75	10	20	S	S	S
10,000 to 49,999 lb	201	89	128	23	10	19	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**7 793**	**804**	**1 260**	**1 515**	**166**	**338**	**117**	**7**	**21**
Less than 50 lb	S	26	38	S	5	10	S	1	2
50 to 99 lb	284	9	13	33	1	3	6	–	1
100 to 499 lb	804	32	47	206	9	18	10	1	S
500 to 749 lb	172	14	20	53	4	9	S	S	S
750 to 999 lb	118	9	13	36	2	5	S	S	S
1,000 to 9,999 lb	1 706	191	280	269	38	78	S	S	S
10,000 to 49,999 lb	995	325	468	269	76	153	8	3	8
50,000 to 99,999 lb	48	22	33	S	S	S	S	S	S
100,000 lb or more	42	177	348	S	S	S	–	–	–
SCTG 41, Waste and scrap	**175**	**254**	**405**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	124	154	245	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 43, Mixed freight	**77**	**S**	**45**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	3	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	4	–	1	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	–	–	–
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	**258**	**167**	**268**	**108**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	38	1	1	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	55	1	1	S	–	1	S	S	S
500 to 749 lb	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	87	75	118	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	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**	**6.4**
Single modes	**5.3**	**1.0**	**4.9**	**1.0**	**6.9**	**1.3**	**6.2**
Truck	5.6	1.2	4.5	2.1	5.9	2.2	6.8
For-hire truck	6.7	1.5	6.2	1.4	6.9	1.7	4.6
Private truck	8.4	1.4	6.8	1.6	8.9	.7	8.1
Rail	16.5	1.0	11.6	1.0	11.2	1.8	3.0
Water	7.4	.5	11.0	1.1	16.1	2.7	11.2
Shallow draft	7.3	.3	12.5	1.0	14.0	1.7	7.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	27.3	.3	25.5	.7	29.7	2.1	31.4
Air (includes truck and air)	24.8	.6	20.2	–	18.4	–	1.9
Pipeline	10.1	.6	11.7	1.7	S	S	S
Multiple modes	**12.8**	**1.0**	**18.1**	**.2**	**48.0**	**1.3**	**3.6**
Parcel, U.S. Postal Service or courier	13.6	1.0	5.6	–	6.7	–	3.6
Truck and rail	12.4	–	16.7	–	12.5	.2	9.9
Truck and water	46.0	–	45.0	.1	S	S	13.1
Rail and water	S	S	S	S	S	S	28.4
Other multiple modes	S	S	48.0	.1	45.1	.2	S
Other and unknown modes	**10.8**	**.4**	**18.8**	**.9**	**11.5**	**.2**	**14.6**

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

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

Table B–1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the 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	**5.0**	**5.1**	**8.8**	**4.8**	**5.4**	**8.5**	**7.6**	**7.1**	**11.6**	**6.4**	**3.2**	**8.8**
Single modes	**5.3**	**5.8**	**9.5**	**4.9**	**5.5**	**8.9**	**6.9**	**5.5**	**10.9**	**6.2**	**7.3**	**9.6**
Truck	5.6	7.4	10.6	4.5	8.5	11.0	5.9	3.6	9.1	6.8	6.2	9.5
For-hire truck	6.7	7.5	11.7	6.2	17.4	19.1	6.9	3.5	10.5	4.6	5.3	7.4
Private truck	8.4	11.8	16.7	6.8	6.1	11.0	8.9	7.5	13.8	8.1	4.0	10.1
Rail	16.5	7.2	26.0	11.6	11.3	14.5	11.2	7.8	13.5	3.0	3.9	5.1
Water	7.4	11.5	21.2	11.0	13.2	27.3	16.1	14.7	27.0	11.2	S	S
Shallow draft	7.3	10.8	22.1	12.5	12.5	28.5	14.0	14.8	33.5	7.5	S	S
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	27.3	28.8	46.2	25.5	36.8	68.4	29.7	23.9	34.6	31.4	25.7	14.4
Air (includes truck and air)	24.8	13.6	53.8	20.2	S	S	18.4	29.3	51.2	1.9	2.0	3.0
Pipeline	10.1	11.9	19.7	11.7	8.5	20.8	S	S	S	S	S	S
Multiple modes	**12.8**	**7.5**	**21.5**	**18.1**	**29.9**	**15.3**	**48.0**	**42.1**	**30.1**	**3.6**	**3.4**	**6.2**
Parcel, U.S. Postal Service or courier	13.6	7.5	26.9	5.6	5.5	10.2	6.7	6.6	14.6	3.6	3.4	6.2
Truck and rail	12.4	28.2	20.2	16.7	31.7	45.2	12.5	16.8	31.7	9.9	8.3	13.0
Truck and water	46.0	39.8	14.8	45.0	28.4	22.8	S	23.3	S	13.1	23.0	90.1
Rail and water	S	S	S	S	S	S	S	S	S	28.4	20.8	52.1
Other multiple modes	S	S	S	48.0	S	S	45.1	S	S	S	16.4	S
Other and unknown modes	**10.8**	**7.2**	**15.8**	**18.8**	**14.4**	**21.6**	**11.5**	**21.8**	**12.0**	**14.6**	**10.0**	**8.7**

– 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–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	**1.0**	**.8**	**1.0**	**1.0**	**1.3**	**2.8**
Truck	1.2	1.7	2.1	2.3	2.2	1.9
For-hire truck	1.5	1.7	1.4	2.2	1.7	1.2
Private truck	1.4	1.8	1.6	1.8	.7	.9
Rail	1.0	.5	1.0	1.3	1.8	2.0
Water	.5	.5	1.1	1.2	2.7	2.7
Shallow draft	.3	.3	1.0	1.0	1.7	1.7
Great Lakes	–	–	–	–	–	–
Deep draft	.3	.3	.7	.7	2.1	2.4
Air (includes truck and air)	.6	.3	–	S	–	–
Pipeline	.6	.8	1.7	1.4	S	S
Multiple modes	**1.0**	**.7**	**.2**	**.6**	**1.3**	**3.0**
Parcel, U.S. Postal Service or courier	1.0	.6	–	–	–	–
Truck and rail	–	.3	–	–	.2	.1
Truck and water	–	.2	.1	.2	S	.3
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	.1	S	.2	S
Other and unknown modes	**.4**	**.3**	**.9**	**.9**	**.2**	**.8**

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

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

Table B–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	**7.6**	**–**	**6.5**
Truck	5.8	2.2	6.7
Rail	10.9	1.8	3.1
Shallow draft	13.7	1.7	7.2
Great Lakes	S	S	20.7
Deep draft	28.1	2.3	18.7
Air	18.9	–	2.2
Parcel, U.S. Postal Service or courier	6.7	–	3.6
Pipeline	S	S	S
Other and unknown modes	18.3	.3	14.5

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

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

Table B–3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the 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	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**
Less than 50 miles	5.2	1.0	6.0	1.5	6.4	.5
50 to 99 miles	9.7	.4	8.4	.6	8.0	.4
100 to 249 miles	9.8	.9	8.1	.9	9.7	.8
250 to 499 miles	8.7	.7	11.6	.9	10.3	1.3
500 to 749 miles	3.9	.3	13.9	.5	14.2	1.7
750 to 999 miles	5.5	.4	14.0	.6	13.0	1.9
1,000 to 1,499 miles	11.8	.9	17.1	.6	19.6	2.5
1,500 to 1,999 miles	11.2	.2	9.1	–	10.2	.5
2,000 miles or more	24.3	–	19.8	–	19.0	–
Single modes	**5.3**	**–**	**4.9**	**–**	**6.9**	**–**
Less than 50 miles	5.7	1.2	6.3	1.7	7.6	.5
50 to 99 miles	10.5	.5	8.5	.7	8.1	.4
100 to 249 miles	10.7	1.0	8.3	.9	10.0	.8
250 to 499 miles	9.3	.7	11.7	.9	10.4	1.3
500 to 749 miles	4.1	.3	14.3	.5	14.6	1.7
750 to 999 miles	6.4	.5	13.9	.7	12.8	1.9
1,000 to 1,499 miles	14.0	1.0	16.7	.6	16.8	2.0
1,500 to 1,999 miles	13.7	.3	10.2	–	11.4	.5
2,000 miles or more	25.2	–	23.6	–	23.9	–
Truck	**5.6**	**–**	**4.5**	**–**	**5.9**	**–**
Less than 50 miles	5.9	1.3	6.6	2.1	6.9	.6
50 to 99 miles	12.4	.6	10.4	1.2	9.5	.7
100 to 249 miles	13.4	1.3	7.3	.9	7.1	.8
250 to 499 miles	7.8	.8	8.4	.5	7.6	.6
500 to 749 miles	3.8	.3	7.7	.3	8.2	.8
750 to 999 miles	8.4	.5	6.6	.1	6.4	.7
1,000 to 1,499 miles	12.3	.8	15.7	.3	15.8	1.4
1,500 to 1,999 miles	17.6	.3	9.8	–	9.4	.6
2,000 miles or more	23.6	–	26.3	–	26.4	–
For-hire truck	**6.7**	**–**	**6.2**	**–**	**6.9**	**–**
Less than 50 miles	16.0	1.5	10.9	2.4	12.0	.5
50 to 99 miles	8.5	.5	12.5	1.5	11.3	.6
100 to 249 miles	13.0	1.0	8.5	1.2	9.5	.9
250 to 499 miles	7.1	.9	9.3	.7	8.3	.8
500 to 749 miles	4.6	.6	3.8	.4	4.3	.8
750 to 999 miles	8.6	.8	7.6	.4	7.3	.9
1,000 to 1,499 miles	12.7	1.1	18.2	.6	18.3	1.7
1,500 to 1,999 miles	19.4	.5	11.3	–	10.8	.7
2,000 miles or more	24.3	–	25.6	–	24.6	–
Private truck	**8.4**	**–**	**6.8**	**–**	**8.9**	**–**
Less than 50 miles	4.7	2.4	8.2	2.0	9.3	1.8
50 to 99 miles	17.2	.7	11.2	1.1	10.8	1.2
100 to 249 miles	23.6	2.1	12.8	1.0	11.1	1.9
250 to 499 miles	17.5	1.2	8.9	.3	8.8	1.0
500 to 749 miles	11.8	.4	32.7	.5	34.5	1.8
750 to 999 miles	11.1	.2	12.4	–	12.3	.4
1,000 to 1,499 miles	19.4	.4	28.4	.2	30.9	1.2
1,500 to 1,999 miles	21.8	.1	22.0	–	20.8	.4
2,000 miles or more	S	S	S	S	S	S
Rail	**16.5**	**–**	**11.6**	**–**	**11.2**	**–**
Less than 50 miles	16.1	1.4	23.6	3.5	13.9	.1
50 to 99 miles	16.2	.4	28.5	1.3	29.6	.2
100 to 249 miles	17.3	1.1	25.0	1.6	25.3	.9
250 to 499 miles	42.2	1.8	26.8	1.9	22.5	.9
500 to 749 miles	9.8	1.2	8.2	1.2	8.4	1.2
750 to 999 miles	8.0	1.4	7.4	1.1	7.1	1.2
1,000 to 1,499 miles	30.5	1.6	21.2	1.4	20.8	1.9
1,500 to 1,999 miles	12.3	.5	10.0	.2	9.8	.9
2,000 miles or more	42.0	.4	32.2	.1	31.5	.3
Water	**7.4**	**–**	**11.0**	**–**	**16.1**	**–**
Less than 50 miles	13.9	4.1	16.3	4.2	18.3	1.0
50 to 99 miles	22.2	1.5	26.0	1.8	26.4	.8
100 to 249 miles	16.2	3.3	25.3	3.1	27.6	2.2
250 to 499 miles	18.2	2.3	19.8	2.4	19.3	3.3
500 to 749 miles	23.4	2.1	32.8	2.7	31.0	4.8
750 to 999 miles	25.7	1.8	29.1	2.7	26.2	4.7
1,000 to 1,499 miles	45.3	1.1	33.8	1.3	32.1	3.9
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**7.3**	**–**	**12.5**	**–**	**14.0**	**–**
Less than 50 miles	17.5	4.5	20.1	4.3	20.9	1.0
50 to 99 miles	23.6	1.8	26.9	2.1	27.9	1.0
100 to 249 miles	15.5	3.5	25.0	3.2	26.0	2.1
250 to 499 miles	18.0	2.6	20.5	2.6	20.0	4.3
500 to 749 miles	26.8	2.0	33.2	2.7	33.7	6.0
750 to 999 miles	28.6	2.1	28.0	2.4	26.8	5.9
1,000 to 1,499 miles	49.3	.3	41.0	.3	42.1	1.5
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	**27.3**	**–**	**25.5**	**–**	**29.7**	**–**
Less than 50 miles	37.4	7.0	37.5	7.7	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	S	S	48.3	1.6	50.0	1.7
500 to 749 miles	S	S	47.5	6.2	44.4	6.5
750 to 999 miles	36.5	7.4	43.2	7.2	41.3	9.0
1,000 to 1,499 miles	47.9	3.0	40.0	4.2	37.9	8.3
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**24.8**	**–**	**20.2**	**–**	**18.4**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	32.8	.6	36.6	.1
100 to 249 miles	22.0	1.5	S	S	S	S
250 to 499 miles	41.5	1.7	26.2	3.3	27.4	2.2
500 to 749 miles	39.1	1.9	S	S	49.2	5.1
750 to 999 miles	26.1	2.5	15.3	2.5	14.7	2.5
1,000 to 1,499 miles	25.0	3.1	16.7	4.0	16.6	4.3
1,500 to 1,999 miles	29.1	1.6	19.7	.7	21.9	1.1
2,000 miles or more	48.6	.2	S	S	S	S
Pipeline	**10.1**	**–**	**11.7**	**–**	**S**	**S**
Less than 50 miles	13.3	4.5	14.1	4.5	S	S
50 to 99 miles	26.5	1.2	27.6	.7	S	S
100 to 249 miles	19.5	3.1	21.9	2.2	S	S
250 to 499 miles	42.2	2.6	44.0	3.0	S	S
500 to 749 miles	41.8	1.4	40.1	1.5	S	S
750 to 999 miles	45.5	.6	45.8	1.3	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**12.8**	**–**	**18.1**	**–**	**48.0**	**–**
Less than 50 miles	10.9	1.7	31.6	4.6	36.3	.8
50 to 99 miles	18.1	.6	25.5	.3	24.4	–
100 to 249 miles	14.6	.6	39.0	6.1	38.7	4.1
250 to 499 miles	8.1	.6	28.6	3.0	38.5	3.1
500 to 749 miles	14.2	.6	S	S	S	S
750 to 999 miles	19.2	.7	30.7	2.1	33.1	3.7
1,000 to 1,499 miles	21.2	1.7	49.1	4.3	S	S
1,500 to 1,999 miles	11.6	.6	17.0	1.1	18.0	2.8
2,000 miles or more	S	S	29.2	–	27.6	.4
Parcel, U.S. Postal Service or courier	**13.6**	**–**	**5.6**	**–**	**6.7**	**–**
Less than 50 miles	11.4	1.8	11.2	1.3	11.3	–
50 to 99 miles	18.6	.6	10.9	.6	11.4	.1
100 to 249 miles	14.7	.6	7.4	.7	8.4	.4
250 to 499 miles	8.2	.6	6.1	.9	6.6	.7
500 to 749 miles	15.3	.7	7.6	.6	7.4	.9
750 to 999 miles	20.5	.7	9.7	.9	9.5	.8
1,000 to 1,499 miles	23.1	1.8	8.2	.9	8.0	1.3
1,500 to 1,999 miles	12.4	.6	18.6	.8	19.3	1.8
2,000 miles or more	S	S	13.6	–	15.0	.2
Truck and rail	**12.4**	**–**	**16.7**	**–**	**12.5**	**–**
Less than 50 miles	44.3	2.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	42.9	1.6	39.3	6.9	39.5	3.9
250 to 499 miles	34.8	2.7	26.0	1.8	26.7	1.3
500 to 749 miles	29.7	3.5	35.3	3.3	32.1	2.5
750 to 999 miles	23.7	1.9	20.2	2.1	20.3	1.7
1,000 to 1,499 miles	17.5	4.5	21.5	4.9	20.2	4.3
1,500 to 1,999 miles	23.5	2.7	18.5	2.3	18.7	2.8
2,000 miles or more	S	S	S	S	S	S
Truck and water	**46.0**	**–**	**45.0**	**–**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	26.0	7.5	37.5	8.2	37.7	9.7

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	**S**	**S**	**S**	**S**	**S**	**S**
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	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**S**	**S**	**48.0**	**–**	**45.1**	**–**
Less than 50 miles	41.7	8.9	42.4	9.2	43.3	12.1
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	46.2	1.9	46.4	.2
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**10.8**	**–**	**18.8**	**–**	**11.5**	**–**
Less than 50 miles	15.5	3.6	21.3	4.3	31.8	4.7
50 to 99 miles	13.9	.6	25.1	.9	24.8	1.0
100 to 249 miles	14.6	1.7	22.0	2.2	26.7	3.2
250 to 499 miles	13.7	.9	30.7	1.4	26.4	1.7
500 to 749 miles	23.6	1.2	49.0	.5	47.9	3.3
750 to 999 miles	18.9	.3	40.0	.6	35.8	2.1
1,000 to 1,499 miles	15.3	1.0	16.5	.5	16.5	3.8
1,500 to 1,999 miles	25.0	.3	30.5	.2	30.0	1.9
2,000 miles 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.

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	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**	**6.4**
Less than 50 lb	12.4	.9	4.8	–	7.7	–	6.3
50 to 99 lb	12.9	.3	6.7	–	6.8	–	6.5
100 to 499 lb	12.2	.9	4.5	–	8.0	–	8.0
500 to 749 lb	8.2	.2	6.3	–	6.2	–	5.8
750 to 999 lb	9.9	.1	6.3	–	9.4	–	7.3
1,000 to 9,999 lb	7.0	.9	3.6	.2	5.8	.2	6.1
10,000 to 49,999 lb	9.2	1.7	6.1	1.8	6.4	1.8	6.0
50,000 to 99,999 lb	10.2	.4	6.5	.8	6.3	.5	4.2
100,000 lb or more	6.1	.9	8.3	2.1	10.6	2.4	3.1
Single modes	**5.3**	**–**	**4.9**	**–**	**6.9**	**–**	**6.2**
Less than 50 lb	19.1	.7	5.2	–	8.5	–	7.9
50 to 99 lb	20.9	.3	8.9	–	16.6	–	13.8
100 to 499 lb	14.2	.9	4.9	–	10.5	–	10.4
500 to 749 lb	7.2	.2	6.6	–	6.7	–	5.8
750 to 999 lb	9.6	.1	5.9	–	9.2	–	6.9
1,000 to 9,999 lb	7.2	1.0	3.5	.2	5.9	.2	6.0
10,000 to 49,999 lb	9.4	1.8	6.4	1.8	6.5	1.7	6.1
50,000 to 99,999 lb	10.6	.4	6.6	.8	6.3	.5	4.2
100,000 lb or more	6.5	1.0	8.2	2.0	9.3	2.2	3.4
Truck	**5.6**	**–**	**4.5**	**–**	**5.9**	**–**	**6.8**
Less than 50 lb	6.6	.2	5.3	–	10.6	–	10.1
50 to 99 lb	19.2	.3	9.1	–	18.9	–	15.8
100 to 499 lb	15.2	1.1	5.0	–	10.9	–	10.8
500 to 749 lb	7.6	.3	6.6	–	6.7	–	5.8
750 to 999 lb	9.5	.2	5.9	–	9.4	–	7.0
1,000 to 9,999 lb	7.5	1.5	3.5	.4	4.8	.3	5.4
10,000 to 49,999 lb	9.3	2.0	6.3	1.8	5.6	1.1	5.9
50,000 to 99,999 lb	11.3	.5	6.7	1.8	6.6	.9	4.3
100,000 lb or more	13.8	.2	18.5	1.0	26.2	1.0	18.5
For-hire truck	**6.7**	**–**	**6.2**	**–**	**6.9**	**–**	**4.6**
Less than 50 lb	9.5	.2	9.6	–	15.1	–	6.5
50 to 99 lb	31.2	.3	13.2	–	28.9	–	8.1
100 to 499 lb	25.6	1.5	9.6	–	15.1	.1	5.7
500 to 749 lb	15.0	.4	12.7	–	8.0	–	4.2
750 to 999 lb	14.9	.3	9.1	–	11.3	–	5.4
1,000 to 9,999 lb	9.5	1.0	5.3	.3	5.0	.4	2.8
10,000 to 49,999 lb	7.4	1.8	8.1	2.0	5.8	1.2	4.9
50,000 to 99,999 lb	8.3	.5	8.2	2.0	8.2	1.0	6.2
100,000 lb or more	19.0	.4	18.8	.9	33.6	1.3	10.2
Private truck	**8.4**	**–**	**6.8**	**–**	**8.9**	**–**	**8.1**
Less than 50 lb	7.6	.5	6.0	–	12.2	–	11.5
50 to 99 lb	12.8	.4	10.7	–	14.9	–	14.4
100 to 499 lb	5.5	.8	5.7	.1	9.0	–	7.3
500 to 749 lb	6.6	.3	7.5	–	9.0	–	7.6
750 to 999 lb	10.1	.3	6.8	–	17.0	–	9.6
1,000 to 9,999 lb	12.8	2.4	4.4	.7	12.0	.8	11.4
10,000 to 49,999 lb	19.1	3.0	10.1	2.7	10.3	2.0	13.7
50,000 to 99,999 lb	17.5	.9	9.3	2.5	10.8	2.0	6.5
100,000 lb or more	18.5	.2	28.6	1.5	23.2	.5	35.0
Rail	**16.5**	**–**	**11.6**	**–**	**11.2**	**–**	**3.0**
Less than 50 lb	S	S	S	S	S	S	21.4
50 to 99 lb	S	S	S	S	S	S	43.7
100 to 499 lb	40.7	–	S	S	S	S	15.9
500 to 749 lb	S	S	S	S	S	S	19.3
750 to 999 lb	48.2	–	S	S	S	S	19.3
1,000 to 9,999 lb	S	S	S	S	S	S	8.6
10,000 to 49,999 lb	S	S	33.6	.3	44.7	.6	6.6
50,000 to 99,999 lb	31.3	1.7	16.0	.5	13.2	.3	12.9
100,000 lb or more	13.6	2.6	11.7	.7	10.4	.8	3.0
Water	**7.4**	**–**	**11.0**	**–**	**16.1**	**–**	**11.2**
Less than 50 lb	S	S	S	S	S	S	22.1
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	26.4
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	31.1	–	44.6	.1	39.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.0
100,000 lb or more	7.3	.3	11.0	–	16.1	.1	9.1
Shallow draft	**7.3**	**–**	**12.5**	**–**	**14.0**	**–**	**7.5**
Less than 50 lb	S	S	S	S	S	S	22.2
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.1
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	39.5
10,000 to 49,999 lb	S	S	43.1	–	S	S	32.1
50,000 to 99,999 lb	S	S	S	S	S	S	22.1
100,000 lb or more	7.3	.4	12.5	–	14.0	.2	7.5

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	**27.3**	**–**	**25.5**	**–**	**29.7**	**–**	**31.4**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	26.8
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	25.0
10,000 to 49,999 lb	39.8	.3	39.1	.4	S	S	26.0
50,000 to 99,999 lb	S	S	S	S	S	S	23.2
100,000 lb or more	27.4	1.1	25.6	1.1	29.7	1.2	17.4
Air (includes truck and air)	**24.8**	**–**	**20.2**	**–**	**18.4**	**–**	**1.9**
Less than 50 lb	48.3	5.4	11.5	2.0	12.0	2.1	2.1
50 to 99 lb	31.1	2.9	15.4	1.3	16.1	1.4	3.7
100 to 499 lb	16.9	3.8	11.6	3.2	12.5	3.1	4.8
500 to 749 lb	18.7	1.3	17.8	1.5	17.9	2.2	7.1
750 to 999 lb	49.0	.5	38.8	1.6	47.7	1.1	8.2
1,000 to 9,999 lb	32.0	4.4	21.7	4.6	18.5	4.3	5.3
10,000 to 49,999 lb	S	S	S	S	S	S	13.4
50,000 to 99,999 lb	S	S	S	S	S	S	22.2
100,000 lb or more	–	–	–	–	–	–	–
Pipeline	**10.1**	**–**	**11.7**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	39.2	.2	S	S	S	S	S
50,000 to 99,999 lb	S	S	30.1	–	S	S	S
100,000 lb or more	10.1	.3	11.8	–	S	S	S
Multiple modes	**12.8**	**–**	**18.1**	**–**	**48.0**	**–**	**3.6**
Less than 50 lb	17.3	2.2	7.5	1.2	9.3	1.1	3.7
50 to 99 lb	6.5	.9	7.4	.6	7.2	.4	3.3
100 to 499 lb	24.9	1.8	7.8	1.1	9.3	.9	5.3
500 to 749 lb	38.9	1.2	10.3	.1	12.3	.1	10.7
750 to 999 lb	33.3	.4	25.1	.2	47.4	.3	12.4
1,000 to 9,999 lb	29.2	–	24.4	–	22.3	.1	37.0
10,000 to 49,999 lb	9.0	.4	15.3	3.5	14.4	5.4	4.1
50,000 to 99,999 lb	29.5	.3	33.0	4.2	30.1	2.2	38.9
100,000 lb or more	22.8	.7	27.5	7.7	S	S	16.8
Parcel, U.S. Postal Service or courier	**13.6**	**–**	**5.6**	**–**	**6.7**	**–**	**3.6**
Less than 50 lb	17.3	2.1	7.5	2.0	9.3	2.6	3.7
50 to 99 lb	6.5	1.0	7.4	1.0	7.2	.8	3.3
100 to 499 lb	24.9	1.8	7.9	1.3	9.4	1.7	4.5
500 to 749 lb	39.0	1.2	10.4	.5	12.6	.5	10.5
750 to 999 lb	33.3	.4	24.9	.9	47.4	1.3	12.4
1,000 to 9,999 lb	31.9	–	S	S	38.6	–	S
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**12.4**	**–**	**16.7**	**–**	**12.5**	**–**	**9.9**
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	S	S	S	S	S	S	21.5
100 to 499 lb	S	S	S	S	48.3	–	48.0
500 to 749 lb	S	S	S	S	S	S	27.9
750 to 999 lb	S	S	S	S	S	S	21.8
1,000 to 9,999 lb	39.0	1.2	29.5	.3	27.5	.5	19.5
10,000 to 49,999 lb	9.5	5.1	15.0	7.5	14.5	4.8	4.0
50,000 to 99,999 lb	35.6	1.8	37.0	6.0	32.0	2.8	44.2
100,000 lb or more	24.7	4.5	35.5	7.0	21.6	4.9	17.1
Truck and water	**46.0**	**–**	**45.0**	**–**	**S**	**S**	**13.1**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	21.7
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	39.8	5.4	S	S	32.9	7.0	24.4
10,000 to 49,999 lb	S	S	S	S	36.2	8.2	32.9
50,000 to 99,999 lb	S	S	46.4	5.9	S	S	20.1
100,000 lb or more	S	S	45.6	13.6	S	S	25.2

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	**S**	**S**	**S**	**S**	**S**	**S**	**28.4**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	28.4
Other multiple modes	**S**	**S**	**48.0**	**–**	**45.1**	**–**	**S**
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	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
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	43.0	7.5	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	24.6
100,000 lb or more	S	S	S	S	45.5	8.8	21.7
Other and unknown modes	**10.8**	**–**	**18.8**	**–**	**11.5**	**–**	**14.6**
Less than 50 lb	12.2	1.1	40.2	–	37.9	–	18.2
50 to 99 lb	11.3	.3	18.8	–	23.4	–	44.6
100 to 499 lb	12.5	.6	15.5	.1	14.3	–	23.1
500 to 749 lb	16.7	.4	34.1	.3	19.6	–	37.0
750 to 999 lb	33.6	.6	S	S	35.2	.1	S
1,000 to 9,999 lb	10.2	2.5	15.3	1.1	11.9	1.5	15.2
10,000 to 49,999 lb	11.8	2.3	12.6	3.4	11.5	4.1	14.4
50,000 to 99,999 lb	18.6	.5	14.0	1.8	17.9	1.7	S
100,000 lb or more	26.8	4.3	22.5	5.5	21.3	5.8	22.5

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

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

Table B–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	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**	**6.4**
01	Live animals and live fish	30.3	–	34.4	–	28.2	–	S
02	Cereal grains	29.3	.3	25.9	1.0	13.8	.2	14.5
03	Other agricultural products	16.4	.2	21.3	.3	20.7	.3	S
04	Animal feed and products of animal origin, n.e.c.	18.8	.2	13.2	.3	13.9	.2	S
05	Meat, fish, seafood, and their preparations	8.1	.3	8.2	–	11.9	.2	21.3
06	Milled grain products and preparations, and bakery products	26.2	.2	13.6	–	11.5	.2	42.9
07	Other prepared foodstuffs and fats and oils	16.9	.6	9.9	.2	10.5	.4	18.3
08	Alcoholic beverages	10.2	.1	15.2	–	31.3	–	8.5
09	Tobacco products	34.3	–	35.0	–	34.6	–	17.9
10	Monumental or building stone	48.4	–	42.7	–	S	S	17.5
11	Natural sands	16.3	–	24.9	1.2	22.7	.2	S
12	Gravel and crushed stone	14.8	–	15.4	1.2	12.7	.2	14.0
13	Nonmetallic minerals n.e.c.	9.5	–	38.4	1.1	39.3	1.0	31.2
14	Metallic ores and concentrates	40.0	–	S	S	38.5	.3	30.5
15	Coal	17.7	–	19.9	.6	16.6	–	34.5
17	Gasoline and aviation turbine fuel	5.8	.4	16.3	1.9	29.9	3.7	8.8
18	Fuel oils	14.4	.4	15.8	1.2	18.5	.7	6.6
19	Coal and petroleum products, n.e.c.	9.0	.3	10.5	.9	11.4	.7	16.8
20	Basic chemicals	24.3	1.5	13.7	1.2	21.5	2.4	12.6
21	Pharmaceutical products	9.8	.2	17.4	–	22.1	–	11.2
22	Fertilizers	19.6	.1	14.9	.2	20.8	.5	21.5
23	Chemical products and preparations, n.e.c.	11.0	.2	11.0	.1	16.6	.4	9.9
24	Plastics and rubber	4.9	.4	7.3	.2	9.3	.4	6.0
25	Logs and other wood in the rough	20.0	–	30.4	.8	40.2	.4	S
26	Wood products	20.0	.4	33.1	1.1	36.9	1.3	14.3
27	Pulp, newsprint, paper, and paperboard	10.8	.1	7.0	.1	6.9	.4	8.7
28	Paper or paperboard articles	8.0	.1	8.3	–	11.0	–	18.4
29	Printed products	6.8	.1	21.7	.1	17.9	–	14.0
30	Textiles, leather, and articles of textiles or leather	27.1	.8	39.9	.1	22.4	.1	5.4
31	Nonmetallic mineral products	5.2	–	9.9	.8	8.5	.5	14.0
32	Base metal in primary or semifinished forms and in finished basic shapes	11.4	.4	22.5	.3	14.5	.5	12.1
33	Articles of base metal	5.6	.3	14.4	.2	17.2	.4	10.4
34	Machinery	8.2	.4	9.2	–	10.2	.1	9.9
35	Electronic and other electrical equipment and components and office equipment	17.6	2.0	18.8	–	16.7	.2	7.3
36	Motorized and other vehicles (including parts)	11.4	.4	12.7	–	15.5	–	14.2
37	Transportation equipment, n.e.c.	9.0	–	26.9	–	39.8	–	11.4
38	Precision instruments and apparatus	47.3	.8	20.0	–	34.0	–	9.0
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	.4	29.0	–	15.1	–	9.6
40	Miscellaneous manufactured products	17.0	.7	10.4	–	12.5	.2	8.3
41	Waste and scrap	12.8	–	14.8	.1	13.0	.1	15.3
43	Mixed freight	23.4	.8	19.0	.2	23.1	.1	12.3
--	Commodity unknown	26.5	.1	24.8	–	32.4	.1	11.7

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**	**6.4**
010	Live animals and live fish	30.3	–	34.4	–	28.2	–	S
021	Wheat	15.0	–	14.7	.1	19.7	.2	13.5
022	Corn, except sweet	29.9	.2	29.4	.5	27.6	–	34.1
029	Other cereal grains	S	S	S	S	26.4	.1	15.7
031	Fresh or chilled potatoes (Irish potatoes), except sweet	47.0	–	S	S	S	S	49.2
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	36.5	–	33.6	–	43.2	–	S
033	Fresh, chilled, or dried edible fruit and nuts	26.6	–	41.2	–	S	S	S
034	Soya beans	26.4	.2	26.8	.3	27.0	.2	23.3
035	Oil seeds and nuts, except olives and soya beans	16.6	–	21.6	–	22.5	–	43.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	30.9	–	39.1	–	38.5	–	20.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	21.2	–	38.7	–	S	S	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	18.3	–	19.6	.1	25.8	.2	27.1
042	Animal feed preparations	23.3	.2	15.2	.2	16.1	.2	S
051	Meat including poultry, except preparations	8.9	.3	8.6	–	12.4	.2	22.6
052	Fish, except live, and seafood, except preparations	40.4	–	32.4	–	S	S	34.5
053	Preparations, extracts, and juices of meat, fish, or seafood	38.3	–	37.0	–	40.9	–	25.0
061	Wheat flour, groats, and meal	34.3	–	41.4	–	38.8	–	43.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	19.5	–	18.9	–	22.0	.2	34.3
063	Food preparations of cereals, flour, starch, or milk	S	S	32.5	–	25.5	–	18.9
064	Bakery products	40.6	.2	21.8	–	18.3	–	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	12.4	–	15.1	–	27.5	–	28.6
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	8.8	–	10.3	–	15.7	.1	17.1
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	29.6	–	32.6	–	36.8	–	31.6
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	19.8	–	24.7	–	25.1	.1	13.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	38.5	–	33.9	.1	40.5	.2	13.4
076	Confectionery, cocoa, and cocoa preparations	35.8	–	39.2	–	46.1	–	23.9
077	Edible preparations, n.e.c. and vinegar	16.5	.1	14.5	–	12.0	–	14.1
078	Nonalcoholic beverages, n.e.c. and ice	42.6	.5	22.6	.2	20.0	.1	17.1
081	Malt Beer	13.0	.1	16.1	–	31.4	–	9.0
082	Wine and other fermented beverages	21.5	–	20.6	–	19.5	–	18.0
083	Spirituous beverages and ethyl alcohol	14.6	–	21.1	–	47.8	–	13.4
090	Tobacco products	34.3	–	35.0	–	34.6	–	17.9
100	Monumental or building stone, except dolomite	48.4	–	42.7	–	S	S	17.5
110	Natural sands, except metal-bearing	16.3	–	24.9	1.2	22.7	.2	S
120	Gravel and crushed stone, except dolomite and slate	14.8	–	15.4	1.2	12.7	.2	14.0
131	Salt	18.6	–	46.7	.3	S	S	25.4
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	46.1	–	45.3	–	21.7
133	Dolomite	S	S	S	S	S	S	S
139	Other nonmetallic minerals	13.6	–	S	S	19.5	.2	38.7
141	Iron ores and concentrates	S	S	S	S	S	S	21.0
149	Other metallic ores and concentrates	40.8	–	S	S	38.1	.3	23.7
151	Nonagglomerated bituminous coal	29.7	–	29.7	–	42.8	–	16.7
159	Other coal	19.3	–	20.7	.6	17.6	–	S
171	Gasoline	6.4	.4	12.6	1.2	29.2	2.6	9.3
172	Aviation turbine fuel (types A and B)	14.5	–	35.5	.9	41.9	1.6	13.8
180	Fuel oils	14.4	.4	15.8	1.2	18.5	.7	6.6
191	Lubricating oils and greases	18.5	.2	17.7	.2	27.7	.6	17.5
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	24.9	.2	22.7	.5	37.5	.5	S
193	Gaseous hydrocarbons	14.3	.1	14.8	.3	24.3	.2	21.0
199	Other products of petroleum refining, and coal products	15.9	.1	21.1	.7	16.5	.5	30.7
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	22.3	.1	22.3	.3	40.1	1.2	13.3
202	Inorganic chemicals, n.e.c.	12.4	.2	18.7	.5	21.2	.8	27.0
203	Cyclic hydrocarbons	38.8	.2	14.4	–	27.6	.3	17.5
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	31.5	.3	34.2	.3	48.2	.8	11.2
205	Organic chemicals, n.e.c.	32.1	1.3	23.9	.9	32.1	1.6	9.9
210	Pharmaceutical products	9.8	.2	17.4	–	22.1	–	11.2
220	Fertilizers and fertilizer materials	19.6	.1	14.9	.2	20.8	.5	21.5
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	24.9	–	21.8	–	23.1	–	39.4
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	21.4	–	S	S	41.7	–	15.0
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	23.5	–	33.9	–	42.6	.3	17.7
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	29.5	–	48.0	–	S	S	38.5
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	17.1	.1	21.0	–	30.7	–	30.7
239	Other chemical products and preparations	18.9	.1	14.1	–	13.6	.2	11.5
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7.3	.2	9.2	.1	11.9	.4	7.4
242	Manmade fibers and plastics basic shapes and articles	7.2	.2	10.9	–	11.5	.1	6.5

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	9.0	–	10.2	–	13.0	–	15.2
250	Logs and other wood in the rough	20.0	–	30.4	.8	40.2	.4	S
261	Wood chips or particles	31.8	–	30.6	.2	28.7	–	18.9
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7.7	–	7.8	–	6.9	.1	7.2
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	43.0	.4	S	S	S	S	11.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	13.8	–	14.2	–	22.8	–	19.4
269	Other wood products	16.5	–	S	S	41.5	–	13.5
271	Pulp of fibrous cellulosic materials	37.7	–	S	S	45.6	–	30.2
272	Newsprint in large rolls or sheets	20.2	–	17.9	–	20.2	–	15.2
273	Uncoated paper and paperboard in large rolls or sheets	17.2	.1	8.8	–	9.9	.3	12.0
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	12.4	–	16.5	–	17.7	.2	16.6
280	Paper or paperboard articles	8.0	.1	8.3	–	11.0	–	18.4
291	Printed books, brochures, leaflets, and similar printed products	13.8	–	S	S	18.8	–	6.6
292	Newspapers, journals, and periodicals	15.8	–	12.9	–	S	S	38.3
293	Advertising material, commercial or trade catalogues, and similar printed products	22.0	–	25.4	–	36.9	–	S
299	Other printed products	16.3	–	13.5	–	19.3	–	16.2
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	17.3	–	26.7	–	33.9	–	10.7
302	Textile clothing and accessories, and headgear, except safety	31.9	.7	S	S	30.6	–	6.0
303	Textiles and textile articles, n.e.c.	14.0	–	22.8	–	19.7	–	9.3
304	Footwear	S	S	S	S	S	S	8.4
305	Leather and articles, luggage of related materials, and dressed furskins and articles	29.9	–	S	S	S	S	12.0
311	Hydraulic cements	11.5	–	11.6	.1	9.7	–	9.0
312	Ceramic products	11.8	–	15.2	–	23.8	–	15.7
313	Glass and glass products	13.2	–	17.3	–	14.9	–	19.0
319	Other nonmetallic mineral products	9.8	–	12.5	.8	12.9	.4	20.7
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	13.4	–	14.0	–	15.4	–	24.4
322	Flat-rolled products of iron or steel	39.8	.3	S	S	S	S	15.7
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	11.6	.1	12.7	.1	14.3	.3	16.8
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	12.4	.2	13.2	–	17.5	.1	9.0
331	Pipes, tubes, and fittings	8.1	.2	19.4	.1	23.9	.3	15.1
332	Structures and parts, except prefabricated buildings	10.5	–	31.3	.1	40.0	.3	21.2
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	15.4	.1	15.0	–	19.7	–	14.3
339	Other articles of metal	14.0	.1	12.2	–	15.2	–	12.2
341	Internal-combustion piston engines	22.7	–	25.7	–	33.1	–	18.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	32.8	.1	40.7	–	40.2	–	14.4
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	12.2	–	15.8	–	23.9	–	14.1
344	Air-conditioning, refrigerating, or freezing equipment	30.2	.2	27.5	–	31.1	–	21.0
345	Materials-handling, excavating, boring, and related machinery and equipment	15.3	.1	18.7	–	26.7	–	12.2
349	Other machinery	11.7	.2	11.3	–	15.0	–	13.5
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	20.9	.1	18.3	–	20.9	–	10.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	40.5	–	44.2	–	46.2	–	25.2
353	Line telephone or telegraph apparatus	29.8	.3	30.4	–	39.3	–	13.7
354	Electronic entertainment products, except parts	S	S	38.0	–	35.4	–	9.8
355	Computer and office equipment	35.7	1.3	34.5	–	36.4	–	7.1
356	Prepared unrecorded or prerecorded media	28.5	–	S	S	S	S	7.7
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	26.7	.1	31.0	–	39.3	–	16.1
358	Electronic components and parts	32.2	1.1	S	S	40.2	–	6.7
359	Other electronic and electrical equipment	28.2	.7	29.0	–	21.8	–	10.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	33.0	.3	30.2	–	41.1	–	17.4
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	22.1	–	21.2	–	33.4	–	25.7
363	Other vehicles	31.5	.2	31.6	–	22.4	–	23.5
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	12.3	.2	11.1	–	15.3	–	14.8
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	39.4	–	33.8	–	41.3	–	23.5
372	Aircraft and spacecraft	15.5	.1	19.5	–	21.2	–	13.1
373	Ships, boats, and floating structures	32.9	–	27.4	–	S	S	17.3
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	13.8
382	Photographic and photocopying machines	46.7	–	33.6	–	32.4	–	18.7
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	43.8	–	36.5	–	37.9	–	S
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	22.6	–	17.1	–	25.8	–	15.6

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	11.7	–	19.2	–	17.2	–	10.2
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	33.9	.4	29.0	–	15.1	–	9.6
401	Arms and ammunition	31.5	–	S	S	S	S	12.3
402	Toys, games, and sporting equipment	32.8	.2	S	S	37.9	–	8.4
409	Miscellaneous manufactured products	20.0	.7	11.5	–	14.2	.2	9.4
411	Metallic waste and scrap	13.7	–	16.9	–	17.3	.1	13.7
412	Nonmetallic waste and scrap, except from food processing	38.7	–	35.9	–	29.9	–	31.8
439	Mixed freight	23.4	.8	19.0	.2	23.1	.1	12.3
—	Commodity unknown	26.5	.1	24.8	–	32.4	.1	11.7

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	**5.0**	**–**	**4.8**	**–**	**7.6**	**–**	**6.4**
Single modes	**5.3**	**1.0**	**4.9**	**1.0**	**6.9**	**1.3**	**6.2**
Truck	5.6	1.2	4.5	2.1	5.9	2.2	6.8
For-hire truck	6.7	1.5	6.2	1.4	6.9	1.7	4.6
Private truck	8.4	1.4	6.8	1.6	8.9	.7	8.1
Rail	16.5	1.0	11.6	1.0	11.2	1.8	3.0
Water	7.4	.5	11.0	1.1	16.1	2.7	11.2
Shallow draft	7.3	.3	12.5	1.0	14.0	1.7	7.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	27.3	.3	25.5	.7	29.7	2.1	31.4
Air (includes truck and air)	24.8	.6	20.2	–	18.4	–	1.9
Pipeline	10.1	.6	11.7	1.7	S	S	S
Multiple modes	**12.8**	**1.0**	**18.1**	**.2**	**48.0**	**1.3**	**3.6**
Parcel, U.S. Postal Service or courier	13.6	1.0	5.6	–	6.7	–	3.6
Truck and rail	12.4	–	16.7	–	12.5	.2	9.9
Truck and water	46.0	–	45.0	.1	S	S	13.1
Rail and water	S	S	S	S	S	S	28.4
Other multiple modes	S	S	48.0	.1	45.1	.2	S
Other and unknown modes	**10.8**	**.4**	**18.8**	**.9**	**11.5**	**.2**	**14.6**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**30.3**	**–**	**34.4**	**–**	**28.2**	**–**	**S**
Single modes	**30.6**	**.8**	**34.4**	**.4**	**28.2**	**.1**	**S**
Truck	30.6	.8	34.4	.4	28.2	.1	S
For-hire truck	38.4	8.0	41.7	8.5	42.0	9.6	26.7
Private truck	33.7	8.2	49.1	8.6	23.0	9.7	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
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**	**24.2**
SCTG 02, CEREAL GRAINS							
Total	**29.3**	**–**	**25.9**	**–**	**13.8**	**–**	**14.5**
Single modes	**17.4**	**8.8**	**18.9**	**8.9**	**11.5**	**3.7**	**14.7**
Truck	13.4	7.4	12.6	8.5	20.5	5.9	15.1
For-hire truck	15.7	5.3	16.4	5.5	26.3	4.5	16.6
Private truck	21.6	4.7	18.8	6.1	27.3	4.4	22.0
Rail	26.7	4.4	28.8	4.1	30.3	5.9	15.6
Water	44.5	5.1	45.0	5.2	22.3	7.0	17.6
Shallow draft	S	S	S	S	22.6	7.0	16.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	21.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**49.9**	**8.7**	**49.5**	**3.7**	**30.8**

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 03, OTHER AGRICULTURAL PRODUCTS							
Total	**16.4**	**–**	**21.3**	**–**	**20.7**	**–**	**S**
Single modes	**19.1**	**5.0**	**25.6**	**6.5**	**21.5**	**2.8**	**S**
Truck	16.1	7.3	18.0	9.1	27.4	7.1	S
For-hire truck	16.8	5.0	23.2	5.3	31.0	6.5	12.2
Private truck	21.5	6.4	22.0	6.0	21.3	2.7	32.1
Rail	S	S	S	S	48.1	3.1	25.5
Water	45.6	6.7	45.3	8.4	36.3	7.4	21.8
Shallow draft	S	S	S	S	41.6	7.3	20.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	28.9
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**16.2**
Parcel, U.S. Postal Service or courier	S	S	38.1	–	35.5	–	17.1
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**48.8**	**5.1**	**S**	**S**	**43.7**	**2.9**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**18.8**	**–**	**13.2**	**–**	**13.9**	**–**	**S**
Single modes	**20.3**	**3.0**	**13.8**	**1.6**	**15.1**	**2.5**	**S**
Truck	21.2	3.4	13.0	2.0	15.3	4.4	S
For-hire truck	18.3	3.6	20.4	2.7	23.4	4.7	8.1
Private truck	26.1	4.7	15.2	3.1	16.4	4.7	S
Rail	48.0	1.8	44.5	1.3	48.2	4.0	15.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**28.2**	**2.1**	**44.7**	**1.3**	**30.6**	**2.4**	**15.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.4
Truck and rail	41.8	2.0	37.3	.5	41.9	2.0	19.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	47.1	.9	S	S	S	S	20.5
Other and unknown modes	**23.2**	**1.3**	**32.2**	**1.3**	**27.5**	**.6**	**32.9**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**8.1**	**–**	**8.2**	**–**	**11.9**	**–**	**21.3**
Single modes	**8.1**	**.4**	**8.3**	**.7**	**12.2**	**.7**	**21.8**
Truck	8.0	1.3	8.6	1.6	12.2	1.8	21.7
For-hire truck	12.3	3.0	11.7	3.0	12.7	2.8	4.4
Private truck	7.4	3.0	9.1	2.8	15.8	2.0	26.5
Rail	S	S	S	S	45.6	1.5	17.9
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**	**23.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**40.1**	**.4**	**38.2**	**.7**	**30.9**	**.6**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**26.2**	**–**	**13.6**	**–**	**11.5**	**–**	**42.9**
Single modes	**26.3**	**.4**	**13.8**	**.6**	**11.4**	**.9**	**37.6**
Truck	27.4	2.0	15.7	3.4	14.4	5.1	36.7
For-hire truck	13.4	4.4	26.1	4.0	15.9	3.8	12.2
Private truck	34.6	5.1	16.7	4.2	17.4	2.6	32.6
Rail	22.2	1.8	19.0	3.2	19.1	4.8	8.9
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.4**	**.2**	**43.2**	**.3**	**46.5**	**.7**	**18.6**
Parcel, U.S. Postal Service or courier	46.6	–	S	S	S	S	18.8
Truck and rail	38.2	.2	45.7	.3	S	S	19.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.1**	**.2**	**39.5**	**.4**	**45.9**	**.2**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**16.9**	**–**	**9.9**	**–**	**10.5**	**–**	**18.3**
Single modes	**17.3**	**.6**	**9.9**	**.7**	**10.2**	**1.6**	**9.9**
Truck	17.4	1.2	10.6	2.6	10.2	3.2	9.9
For-hire truck	10.0	3.4	13.6	3.7	13.0	4.0	9.9
Private truck	25.2	3.6	16.4	3.9	15.7	3.1	12.5
Rail	18.4	.5	17.5	.9	21.8	2.1	9.6
Water	47.0	.9	48.7	2.1	S	S	21.6
Shallow draft	47.0	.9	48.7	2.1	S	S	21.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**32.0**	**.4**	**49.9**	**.3**	**36.0**	**.8**	**13.1**
Parcel, U.S. Postal Service or courier	S	S	48.2	–	S	S	14.1
Truck and rail	36.8	.3	S	S	39.6	.7	15.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	26.5
Other and unknown modes	**31.9**	**.5**	**40.6**	**.7**	**48.6**	**1.5**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**10.2**	**–**	**15.2**	**–**	**31.3**	**–**	**8.5**
Single modes	**10.5**	**.7**	**15.5**	**.9**	**31.4**	**1.4**	**8.7**
Truck	9.6	1.7	14.3	1.8	28.7	4.9	8.3
For-hire truck	31.2	3.8	32.7	4.2	31.1	9.8	22.4
Private truck	6.9	4.7	10.7	4.9	22.8	12.1	7.4
Rail	46.9	1.7	S	S	S	S	22.2
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.3**
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	**48.0**	**.7**	**47.8**	**.9**	**S**	**S**	**19.1**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**34.3**	**–**	**35.0**	**–**	**34.6**	**–**	**17.9**
Single modes	**35.3**	**2.2**	**36.1**	**2.6**	**35.5**	**4.3**	**17.0**
Truck	35.2	2.2	35.8	2.5	35.5	4.3	17.0
For-hire truck	S	S	S	S	S	S	28.8
Private truck	35.8	5.6	36.2	5.7	36.7	6.6	14.2
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**44.2**	**2.2**	**44.8**	**2.6**	**S**	**S**	**40.3**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**48.4**	**–**	**42.7**	**–**	**S**	**S**	**17.5**
Single modes	**47.6**	**1.1**	**42.8**	**1.3**	**S**	**S**	**34.2**
Truck	47.6	1.1	42.8	1.3	S	S	34.2
For-hire truck	S	S	S	S	S	S	16.7
Private truck	S	S	S	S	S	S	39.5
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**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	**49.8**	**1.1**	**42.4**	**1.3**	**S**	**S**	**28.3**
SCTG 11, NATURAL SANDS							
Total	**16.3**	**–**	**24.9**	**–**	**22.7**	**–**	**S**
Single modes	**16.8**	**2.4**	**25.1**	**1.0**	**23.7**	**3.9**	**S**
Truck	18.4	4.0	26.6	3.4	21.0	8.1	40.4
For-hire truck	23.9	4.2	33.6	5.2	20.8	5.7	40.0
Private truck	23.4	6.5	31.1	6.7	33.9	6.6	24.6
Rail	S	S	S	S	S	S	27.1
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
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	22.4
Truck and rail	S	S	S	S	S	S	23.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**31.2**	**1.7**	**39.3**	**1.0**	**S**	**S**	**45.6**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**14.8**	**–**	**15.4**	**–**	**12.7**	**–**	**14.0**
Single modes	**15.1**	**1.3**	**15.5**	**.7**	**12.8**	**.8**	**14.2**
Truck	16.6	2.5	16.6	2.3	17.1	5.6	14.2
For-hire truck	16.9	3.5	20.5	3.2	19.7	4.0	13.5
Private truck	25.1	4.8	20.4	4.4	21.1	4.6	16.5
Rail	26.5	1.9	30.2	2.1	25.2	5.3	12.3
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**41.9**	**.7**	**47.3**	**.7**	**45.3**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**9.5**	**–**	**38.4**	**–**	**39.3**	**–**	**31.2**
Single modes	**10.9**	**2.7**	**38.6**	**.9**	**39.5**	**.6**	**32.3**
Truck	13.4	5.6	48.5	7.2	21.7	9.1	32.4
For-hire truck	18.6	5.0	42.4	5.7	23.5	6.8	24.1
Private truck	17.6	4.4	S	S	47.6	5.2	38.2
Rail	27.9	4.2	19.7	5.6	22.5	7.7	17.5
Water	41.5	3.6	S	S	S	S	20.2
Shallow draft	39.2	3.4	S	S	S	S	19.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	23.7
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**40.7**	**.6**	**S**	**S**	**28.4**	**–**	**36.2**
Parcel, U.S. Postal Service or courier	45.4	.6	S	S	30.9	–	35.6
Truck and rail	–	–	–	–	–	–	–
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	**41.1**	**2.5**	**S**	**S**	**S**	**S**	**47.5**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**40.0**	**–**	**S**	**S**	**38.5**	**–**	**30.5**
Single modes	**41.2**	**7.8**	**S**	**S**	**39.1**	**7.4**	**27.6**
Truck	S	S	S	S	40.2	14.2	32.6
For-hire truck	S	S	S	S	40.5	11.3	18.0
Private truck	37.6	8.9	43.8	9.8	S	S	S
Rail	44.6	4.2	43.1	5.6	44.7	8.7	19.5
Water	S	S	S	S	50.0	8.0	36.4
Shallow draft	49.2	3.0	49.1	3.6	49.0	7.4	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	24.8
Air (includes truck and air)	S	S	S	S	S	S	22.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**25.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**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 15, COAL							
Total	**17.7**	**–**	**19.9**	**–**	**16.6**	**–**	**34.5**
Single modes	**24.6**	**8.0**	**28.4**	**9.1**	**15.7**	**8.0**	**41.0**
Truck	26.1	9.9	32.1	11.7	19.3	9.4	32.6
For-hire truck	17.6	9.0	26.3	10.7	19.1	8.7	S
Private truck	37.0	6.5	42.1	7.4	37.4	4.0	S
Rail	43.3	7.0	44.9	8.0	33.0	6.8	S
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.0**	**7.8**	**25.3**	**9.2**	**23.2**	**6.5**	**15.6**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**5.8**	**–**	**16.3**	**–**	**29.9**	**–**	**8.8**
Single modes	**6.0**	**.9**	**16.3**	**.3**	**26.4**	**3.2**	**19.0**
Truck	6.3	2.2	18.5	2.2	15.0	3.5	20.2
For-hire truck	13.8	1.7	16.0	1.5	25.5	2.2	25.4
Private truck	6.6	1.2	27.2	1.3	12.7	1.4	7.1
Rail	S	S	S	S	50.0	–	41.1
Water	21.6	2.0	35.7	2.5	42.7	7.7	12.7
Shallow draft	26.9	1.7	28.9	1.9	39.7	4.9	16.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	31.0	1.1	S	S	S	S	16.5
Air (includes truck and air)	S	S	S	S	S	S	20.9
Pipeline	9.0	2.7	15.3	2.9	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	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	**42.1**	**.5**	**42.0**	**.2**	**39.8**	**–**	**S**
SCTG 18, FUEL OILS							
Total	**14.4**	**–**	**15.8**	**–**	**18.5**	**–**	**6.6**
Single modes	**14.7**	**1.6**	**16.3**	**1.6**	**17.6**	**1.5**	**22.1**
Truck	16.1	3.4	18.3	2.7	20.6	2.8	21.4
For-hire truck	12.5	1.6	13.2	1.2	27.4	.9	27.1
Private truck	21.8	2.7	23.3	2.4	26.4	2.1	7.5
Rail	38.8	.1	37.8	.1	48.5	.4	17.4
Water	15.1	3.3	19.0	4.2	21.3	7.4	S
Shallow draft	20.2	3.1	24.3	3.9	23.5	6.4	36.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	32.9	1.5	41.7	2.2	S	S	49.9
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	22.9	4.8	24.5	4.9	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
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	S
Other and unknown modes	**35.6**	**.5**	**35.7**	**.4**	**45.8**	**.4**	**25.7**

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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**9.0**	**–**	**10.5**	**–**	**11.4**	**–**	**16.8**
Single modes	**9.7**	**1.5**	**10.7**	**.7**	**12.0**	**1.3**	**17.3**
Truck	13.6	3.4	24.5	3.8	35.8	4.9	18.5
For-hire truck	12.7	1.7	39.9	3.3	15.8	2.0	15.4
Private truck	32.3	3.9	29.3	3.3	S	S	23.2
Rail	24.3	2.6	16.9	2.0	17.2	4.1	9.5
Water	20.3	3.3	18.9	4.0	23.9	5.6	22.3
Shallow draft	22.8	3.2	20.7	3.9	19.5	4.2	15.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	38.3	1.5	41.4	1.4	48.9	5.7	22.8
Air (includes truck and air)	S	S	S	S	S	S	21.0
Pipeline	13.5	2.4	11.3	2.4	S	S	S
Multiple modes	**S**	**S**	**47.8**	**.4**	**45.1**	**1.3**	**17.5**
Parcel, U.S. Postal Service or courier	S	S	41.3	–	43.8	–	17.7
Truck and rail	S	S	S	S	S	S	19.6
Truck and water	S	S	S	S	S	S	29.7
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.3
Other and unknown modes	**30.5**	**1.4**	**29.0**	**.5**	**28.6**	**.3**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**24.3**	**–**	**13.7**	**–**	**21.5**	**–**	**12.6**
Single modes	**24.7**	**.8**	**13.9**	**1.4**	**22.2**	**1.3**	**14.8**
Truck	31.7	2.0	23.0	2.3	45.0	2.1	16.3
For-hire truck	39.0	2.0	34.2	1.8	S	S	6.7
Private truck	11.7	1.3	25.8	2.2	25.5	1.3	27.4
Rail	39.8	2.8	28.8	2.2	29.8	3.3	4.3
Water	12.8	3.0	11.5	3.5	22.3	4.8	14.1
Shallow draft	12.5	2.6	10.1	2.8	18.8	3.9	13.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	31.4	1.1	34.0	2.0	49.5	3.7	47.2
Air (includes truck and air)	S	S	32.8	–	37.2	–	10.7
Pipeline	28.1	3.7	19.6	3.7	S	S	S
Multiple modes	**18.9**	**.2**	**32.1**	**.3**	**36.3**	**1.1**	**15.4**
Parcel, U.S. Postal Service or courier	32.4	–	S	S	S	S	15.5
Truck and rail	37.2	.2	33.8	–	35.2	.2	14.3
Truck and water	S	S	S	S	S	S	32.0
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	33.0	–	S	S	S	S	33.8
Other and unknown modes	**26.0**	**.8**	**27.8**	**1.3**	**34.9**	**.6**	**49.4**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**9.8**	**–**	**17.4**	**–**	**22.1**	**–**	**11.2**
Single modes	**10.9**	**4.3**	**19.3**	**3.4**	**23.6**	**5.5**	**24.1**
Truck	11.2	4.1	19.6	3.6	24.0	6.1	23.9
For-hire truck	16.8	4.5	20.7	5.3	24.0	6.0	21.3
Private truck	16.3	4.1	29.3	3.1	42.2	2.1	30.7
Rail	S	S	S	S	S	S	21.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	33.3	.8	S	S	S	S	8.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**17.2**	**4.2**	**20.4**	**3.2**	**22.5**	**5.3**	**8.1**
Parcel, U.S. Postal Service or courier	17.3	4.2	21.8	3.3	23.8	5.5	8.1
Truck and rail	S	S	49.1	.3	49.1	.5	20.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.8**	**.5**	**45.0**	**1.0**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	**19.6**	**–**	**14.9**	**–**	**20.8**	**–**	**21.5**
Single modes	**18.1**	**2.8**	**12.4**	**2.7**	**20.2**	**1.4**	**23.3**
Truck	24.7	5.3	15.2	5.5	28.2	4.3	23.0
For-hire truck	23.3	2.6	20.5	2.5	43.6	3.1	12.5
Private truck	34.4	5.0	17.2	4.2	18.8	2.1	18.0
Rail	15.6	3.5	16.9	3.4	18.4	6.1	6.3
Water	27.2	4.0	28.7	4.6	40.4	6.4	26.3
Shallow draft	26.4	3.8	28.2	4.4	40.3	6.1	27.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	35.8	.8	36.5	.9	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**S**	**S**	**42.6**	**.7**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**11.0**	**–**	**11.0**	**–**	**16.6**	**–**	**9.9**
Single modes	**11.9**	**1.6**	**11.8**	**4.0**	**17.8**	**2.3**	**13.6**
Truck	12.6	3.1	11.8	4.6	20.4	3.7	13.9
For-hire truck	10.7	2.8	13.2	3.3	22.9	3.7	8.7
Private truck	25.3	3.1	20.1	2.8	24.0	1.6	9.7
Rail	17.2	1.8	15.5	2.1	16.3	3.3	9.0
Water	S	S	S	S	S	S	46.3
Shallow draft	S	S	S	S	S	S	41.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	41.8	–	44.1	–	43.4	–	11.2
Pipeline	S	S	46.0	1.0	S	S	S
Multiple modes	**18.8**	**1.0**	**24.2**	**.4**	**29.1**	**1.0**	**8.5**
Parcel, U.S. Postal Service or courier	17.1	.7	18.4	–	14.9	.2	8.6
Truck and rail	31.5	.4	31.6	.3	32.1	1.1	14.8
Truck and water	S	S	S	S	S	S	22.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**22.9**	**1.1**	**S**	**S**	**S**	**S**	**26.3**
SCTG 24, PLASTICS AND RUBBER							
Total	**4.9**	**–**	**7.3**	**–**	**9.3**	**–**	**6.0**
Single modes	**4.8**	**1.1**	**7.3**	**2.3**	**9.0**	**1.3**	**6.0**
Truck	5.3	1.9	8.3	2.4	10.7	2.8	6.5
For-hire truck	5.9	1.8	10.0	2.4	11.1	2.4	6.6
Private truck	8.8	1.3	16.2	1.2	15.4	.5	11.2
Rail	8.2	2.0	9.8	3.2	10.2	3.1	3.7
Water	S	S	S	S	S	S	21.9
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.9
Air (includes truck and air)	30.7	.1	35.8	–	45.7	–	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**18.2**	**.9**	**41.7**	**.6**	**44.2**	**1.3**	**6.9**
Parcel, U.S. Postal Service or courier	21.3	.8	28.6	.1	23.9	–	7.0
Truck and rail	40.0	.5	47.4	.6	46.9	1.3	11.1
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.6**	**.9**	**S**	**S**	**33.5**	**.5**	**27.4**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**20.0**	**–**	**30.4**	**–**	**40.2**	**–**	**S**
Single modes	**20.1**	**.5**	**29.8**	**1.5**	**36.0**	**2.2**	**30.8**
Truck	18.6	2.0	27.6	4.4	21.2	6.9	39.0
For-hire truck	26.0	6.3	40.5	7.6	29.9	8.1	S
Private truck	24.4	5.6	31.9	7.3	30.0	6.7	33.6
Rail	42.0	1.5	S	S	42.9	2.9	41.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.1
Truck and rail	–	–	–	–	–	–	–
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**	**22.5**
SCTG 26, WOOD PRODUCTS							
Total	**20.0**	**–**	**33.1**	**–**	**36.9**	**–**	**14.3**
Single modes	**20.5**	**.6**	**33.5**	**.5**	**37.8**	**1.4**	**7.7**
Truck	13.7	2.2	28.1	2.8	25.0	3.1	8.0
For-hire truck	20.4	1.8	34.7	3.6	29.7	2.1	12.6
Private truck	10.0	2.6	18.4	3.8	14.5	1.8	8.1
Rail	48.8	2.2	S	S	49.8	3.3	10.8
Water	S	S	S	S	S	S	22.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	39.2	–	18.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**40.4**	**.5**	**S**	**S**	**S**	**S**	**10.0**
Parcel, U.S. Postal Service or courier	S	S	47.7	–	S	S	10.0
Truck and rail	S	S	S	S	S	S	17.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**26.0**	**.4**	**27.9**	**.4**	**S**	**S**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**10.8**	**–**	**7.0**	**–**	**6.9**	**–**	**8.7**
Single modes	**11.1**	**.5**	**6.9**	**.6**	**7.0**	**.7**	**8.5**
Truck	16.0	3.4	7.1	3.9	8.1	4.4	9.7
For-hire truck	8.3	3.5	7.3	3.8	9.6	4.7	7.2
Private truck	35.5	3.5	18.1	2.1	26.9	1.2	12.8
Rail	11.3	3.2	12.5	3.9	11.9	4.5	4.5
Water	S	S	S	S	S	S	23.2
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	23.2
Air (includes truck and air)	S	S	S	S	S	S	20.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	**29.9**	**.3**	**29.4**	**.3**	**29.9**	**.7**	**24.6**
Parcel, U.S. Postal Service or courier	24.4	–	33.1	–	32.9	–	21.2
Truck and rail	36.5	.3	31.4	.3	31.9	.7	17.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.3**	**.3**	**S**	**S**	**S**	**S**	**46.5**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**8.0**	**–**	**8.3**	**–**	**11.0**	**–**	**18.4**
Single modes	**8.6**	**1.1**	**8.7**	**.7**	**11.7**	**1.6**	**27.8**
Truck	8.4	1.1	8.4	1.0	10.3	2.2	13.1
For-hire truck	11.9	3.9	10.7	3.6	12.8	3.4	15.2
Private truck	15.9	4.0	12.3	3.5	15.9	3.2	16.0
Rail	S	S	S	S	S	S	21.9
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	19.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**24.8**	**1.0**	**25.9**	**.3**	**25.7**	**1.4**	**11.7**
Parcel, U.S. Postal Service or courier	27.2	.9	32.4	.2	47.2	.8	11.7
Truck and rail	30.6	.2	32.2	.2	31.8	.8	17.3
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**24.2**	**.8**	**21.3**	**.7**	**37.2**	**.8**	**31.1**
SCTG 29, PRINTED PRODUCTS							
Total	**6.8**	**–**	**21.7**	**–**	**17.9**	**–**	**14.0**
Single modes	**9.0**	**2.9**	**25.2**	**4.0**	**22.1**	**4.5**	**30.8**
Truck	9.2	3.0	25.3	4.0	22.4	4.9	39.2
For-hire truck	15.6	3.0	18.3	5.2	25.1	6.3	10.8
Private truck	12.0	3.4	35.1	6.4	20.2	3.6	28.7
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	33.2	.3	29.8	–	32.6	.8	6.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.2**	**3.3**	**13.9**	**.9**	**19.4**	**3.3**	**6.9**
Parcel, U.S. Postal Service or courier	15.2	3.3	13.9	.9	19.6	3.3	6.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**30.6**	**2.4**	**46.0**	**4.0**	**S**	**S**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**27.1**	**–**	**39.9**	**–**	**22.4**	**–**	**5.4**
Single modes	**33.1**	**4.0**	**43.2**	**2.7**	**26.4**	**3.1**	**9.9**
Truck	33.4	4.1	43.8	2.7	27.5	3.2	10.8
For-hire truck	15.1	3.1	15.7	4.5	17.4	4.4	4.6
Private truck	43.6	6.1	S	S	46.9	4.8	23.3
Rail	S	S	S	S	S	S	22.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	36.7	.3	S	S	S	S	6.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.3**	**3.9**	**15.0**	**2.0**	**21.4**	**2.6**	**3.9**
Parcel, U.S. Postal Service or courier	15.6	3.9	12.8	2.0	17.4	2.4	3.9
Truck and rail	S	S	S	S	S	S	18.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.1**	**.5**	**48.8**	**1.7**	**41.0**	**1.5**	**21.4**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**5.2**	**–**	**9.9**	**–**	**8.5**	**–**	**14.0**
Single modes	**5.2**	**.9**	**10.1**	**.7**	**8.5**	**1.4**	**12.6**
Truck	5.4	1.2	10.2	.9	8.6	2.7	14.5
For-hire truck	8.0	2.4	8.5	2.5	10.6	2.7	5.1
Private truck	7.7	2.5	13.7	3.0	16.8	2.6	13.1
Rail	16.0	.6	17.3	.6	20.5	2.3	14.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	43.0	.1	S	S	S	S	12.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.9**	**.8**	**44.6**	**.5**	**38.1**	**1.1**	**10.5**
Parcel, U.S. Postal Service or courier	28.8	.8	30.7	–	32.9	–	10.6
Truck and rail	33.8	.3	45.8	.5	39.7	1.1	47.9
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.4**	**.4**	**22.7**	**.6**	**35.9**	**1.1**	**31.1**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**11.4**	**–**	**22.5**	**–**	**14.5**	**–**	**12.1**
Single modes	**12.3**	**1.1**	**24.5**	**2.8**	**16.5**	**3.7**	**14.3**
Truck	6.6	3.2	10.8	5.0	10.8	5.1	14.4
For-hire truck	7.7	2.6	10.8	3.5	11.0	4.3	6.5
Private truck	10.9	2.8	16.2	3.1	14.7	1.0	16.0
Rail	38.1	3.0	S	S	19.6	4.1	23.4
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	40.5	–	S	S	S	S	12.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.2**	**.5**	**46.9**	**1.6**	**48.9**	**3.2**	**7.3**
Parcel, U.S. Postal Service or courier	19.8	.4	15.5	–	17.4	–	7.5
Truck and rail	49.7	.1	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	22.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.7**	**.9**	**39.5**	**2.0**	**42.0**	**1.7**	**49.0**
SCTG 33, ARTICLES OF BASE METAL							
Total	**5.6**	**–**	**14.4**	**–**	**17.2**	**–**	**10.4**
Single modes	**6.6**	**1.9**	**14.9**	**1.2**	**18.2**	**1.8**	**11.2**
Truck	6.4	2.1	14.6	2.0	18.9	3.4	10.2
For-hire truck	7.6	2.5	18.6	4.1	16.5	3.9	7.1
Private truck	10.1	2.5	22.0	3.6	39.7	4.7	22.6
Rail	38.4	.7	36.9	2.0	S	S	21.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	24.5	.2	27.5	–	26.8	.1	7.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.6**	**1.1**	**26.2**	**.5**	**39.5**	**1.4**	**7.2**
Parcel, U.S. Postal Service or courier	16.0	1.1	29.5	.5	44.5	1.4	7.2
Truck and rail	S	S	S	S	S	S	21.6
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.4**	**1.3**	**15.4**	**.8**	**26.4**	**1.1**	**25.8**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**8.2**	**–**	**9.2**	**–**	**10.2**	**–**	**9.9**
Single modes	**8.4**	**1.6**	**9.5**	**1.0**	**10.5**	**1.1**	**10.6**
Truck	8.7	1.7	9.5	1.1	10.5	1.3	11.0
For-hire truck	9.2	2.9	9.1	3.8	11.9	2.7	6.1
Private truck	15.8	2.5	20.2	3.9	19.4	2.5	16.9
Rail	41.7	.1	39.8	.1	39.4	.4	17.3
Water	S	S	S	S	S	S	27.3
Shallow draft	S	S	S	S	S	S	27.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	26.1	.8	22.0	–	25.1	.3	3.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.6**	**1.5**	**23.9**	**.7**	**39.5**	**1.1**	**7.4**
Parcel, U.S. Postal Service or courier	14.6	1.4	14.1	.4	22.6	.5	7.4
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	S	S	S	S	S	S	30.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**24.2**	**.9**	**21.0**	**.9**	**25.4**	**.7**	**37.8**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**17.6**	**–**	**18.8**	**–**	**16.7**	**–**	**7.3**
Single modes	**22.5**	**4.7**	**19.2**	**1.5**	**17.6**	**2.6**	**13.0**
Truck	24.9	5.1	19.6	1.5	18.3	2.7	16.4
For-hire truck	27.7	5.2	22.7	3.7	19.0	3.4	9.1
Private truck	21.0	1.5	16.3	2.9	20.9	1.8	13.7
Rail	S	S	37.1	.5	38.5	.8	18.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	17.4	1.9	28.4	.5	22.8	.8	3.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**22.3**	**4.5**	**15.1**	**1.0**	**11.4**	**1.7**	**4.0**
Parcel, U.S. Postal Service or courier	22.5	4.5	15.8	1.0	10.8	1.7	4.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	23.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**18.0**	**.5**	**20.5**	**.6**	**25.3**	**1.0**	**36.1**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**11.4**	**–**	**12.7**	**–**	**15.5**	**–**	**14.2**
Single modes	**13.3**	**2.2**	**14.6**	**1.7**	**15.8**	**1.0**	**15.0**
Truck	12.3	4.0	16.5	3.7	8.6	6.8	17.9
For-hire truck	13.2	4.0	11.8	3.8	11.6	5.9	9.7
Private truck	21.2	3.9	26.8	4.2	16.3	4.6	26.7
Rail	42.2	4.7	42.4	3.9	42.7	7.2	19.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	31.2	.2	27.3	–	28.4	.3	7.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.3**	**1.1**	**17.1**	**.5**	**18.1**	**.6**	**6.8**
Parcel, U.S. Postal Service or courier	14.3	1.1	17.1	.5	18.1	.6	6.8
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11.3**	**1.8**	**11.0**	**1.5**	**24.0**	**.8**	**33.1**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**9.0**	**–**	**26.9**	**–**	**39.8**	**–**	**11.4**
Single modes	**11.2**	**4.0**	**28.5**	**4.6**	**28.3**	**8.6**	**19.6**
Truck	17.9	6.3	34.4	9.2	26.8	10.2	21.6
For-hire truck	26.8	6.6	21.3	8.9	23.1	9.3	11.3
Private truck	26.9	5.4	39.7	8.9	37.7	7.4	27.1
Rail	37.0	4.8	S	S	S	S	23.7
Water	46.3	1.5	S	S	S	S	25.9
Shallow draft	46.3	1.5	S	S	S	S	25.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	25.3	3.6	23.7	1.7	24.5	2.5	7.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**34.1**	**3.8**	**38.4**	**1.5**	**45.8**	**2.6**	**10.2**
Parcel, U.S. Postal Service or courier	34.1	3.8	38.4	1.5	45.8	2.6	10.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.1**	**1.1**	**S**	**S**	**S**	**S**	**S**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**47.3**	**–**	**20.0**	**–**	**34.0**	**–**	**9.0**
Single modes	**14.2**	**6.4**	**14.6**	**5.5**	**17.0**	**6.3**	**13.0**
Truck	15.6	5.9	15.3	5.6	19.7	6.4	23.3
For-hire truck	16.2	4.5	16.5	5.5	17.6	6.1	8.2
Private truck	31.3	4.3	25.8	4.6	S	S	24.5
Rail	S	S	S	S	S	S	21.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	29.5	2.1	14.2	.4	11.7	1.1	5.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**7.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	7.1
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.5**	**1.2**	**32.6**	**2.0**	**30.0**	**1.7**	**20.4**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**33.9**	**–**	**29.0**	**–**	**15.1**	**–**	**9.6**
Single modes	**34.8**	**1.4**	**29.4**	**.6**	**15.0**	**1.1**	**11.5**
Truck	35.0	1.4	29.6	.7	15.4	1.6	12.0
For-hire truck	26.4	5.9	15.4	6.2	18.4	5.5	5.0
Private truck	49.2	6.4	44.4	6.3	39.4	5.1	26.2
Rail	45.0	.2	48.2	.4	S	S	18.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	49.2	.1	S	S	18.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	**46.7**	**1.2**	**48.2**	**.5**	**S**	**S**	**5.6**
Parcel, U.S. Postal Service or courier	46.7	1.2	48.2	.5	S	S	5.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.1**	**.7**	**28.7**	**.4**	**34.1**	**.4**	**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	**17.0**	**–**	**10.4**	**–**	**12.5**	**–**	**8.3**
Single modes	**21.4**	**3.0**	**11.1**	**1.1**	**13.7**	**1.8**	**16.3**
Truck	9.0	3.9	10.8	1.1	11.2	2.5	15.1
For-hire truck	11.3	3.7	14.7	3.5	13.0	3.1	12.4
Private truck	15.4	2.6	15.7	4.1	15.7	2.4	21.0
Rail	30.2	.2	32.6	.9	34.9	2.7	17.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	23.5	–	24.1	.2	6.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**23.7**	**2.9**	**17.0**	**.6**	**15.8**	**1.4**	**5.2**
Parcel, U.S. Postal Service or courier	24.9	2.9	15.5	.5	18.8	.8	5.2
Truck and rail	43.2	.4	44.9	.4	35.0	1.1	17.4
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	**13.3**	**.7**	**28.4**	**.9**	**28.7**	**1.0**	**S**
SCTG 41, WASTE AND SCRAP							
Total	**12.8**	**–**	**14.8**	**–**	**13.0**	**–**	**15.3**
Single modes	**12.3**	**1.8**	**11.9**	**2.6**	**13.1**	**3.7**	**11.8**
Truck	14.0	4.1	14.1	5.1	12.6	6.3	12.5
For-hire truck	20.0	5.1	17.8	5.0	17.1	5.5	28.2
Private truck	14.5	4.9	20.0	4.8	15.7	5.1	26.1
Rail	18.2	3.6	19.7	4.4	21.1	5.6	19.1
Water	41.6	1.6	42.0	2.4	46.2	4.3	20.1
Shallow draft	41.6	1.6	42.0	2.4	46.2	4.3	20.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**43.1**	**1.3**	**S**	**S**	**41.8**	**3.8**	**18.4**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	43.1	1.2	49.3	1.0	S	S	19.3
Truck and water	S	S	S	S	S	S	22.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**23.4**	**–**	**19.0**	**–**	**23.1**	**–**	**12.3**
Single modes	**23.9**	**1.7**	**18.9**	**2.0**	**23.8**	**2.8**	**10.8**
Truck	23.9	1.6	18.9	2.0	23.8	2.8	10.9
For-hire truck	23.6	4.0	27.9	4.5	36.2	4.7	46.7
Private truck	26.4	4.1	21.3	4.3	27.6	4.9	11.4
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**49.0**	**.1**	**37.4**	**–**	**S**
Parcel, U.S. Postal Service or courier	S	S	49.0	.1	37.4	–	S
Truck and rail	–	–	–	–	–	–	–
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	
COMMODITY UNKNOWN							
Total	**26.5**	**–**	**24.8**	**–**	**32.4**	**–**	**11.7**
Single modes	**28.3**	**3.7**	**25.9**	**5.3**	**32.9**	**2.3**	**14.5**
Truck	33.8	6.0	23.7	8.4	21.2	10.0	13.3
For-hire truck	21.9	5.1	25.4	6.4	26.1	7.6	20.8
Private truck	S	S	40.1	7.2	46.0	6.6	21.4
Rail	44.7	3.8	48.4	5.7	S	S	19.6
Water	S	S	S	S	S	S	22.3
Shallow draft	S	S	S	S	S	S	22.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	16.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**34.9**	**2.2**	**45.2**	**.3**	**S**	**S**	**9.1**
Parcel, U.S. Postal Service or courier	36.5	2.2	29.4	.2	29.4	.5	9.3
Truck and rail	S	S	S	S	S	S	S
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**39.8**	**3.1**	**46.8**	**5.3**	**49.2**	**1.9**	**S**

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	**5.0**	**4.8**	**7.6**
Less than 50 miles	5.2	6.0	6.4
50 to 99 miles	9.7	8.4	8.0
100 to 249 miles	9.8	8.1	9.7
250 to 499 miles	8.7	11.6	10.3
500 to 749 miles	3.9	13.9	14.2
750 to 999 miles	5.5	14.0	13.0
1,000 to 1,499 miles	11.8	17.1	19.6
1,500 to 1,999 miles	11.2	9.1	10.2
2,000 miles or more	24.3	19.8	19.0
SCTG 01, Live animals and live fish	**30.3**	**34.4**	**28.2**
Less than 50 miles	42.5	S	S
50 to 99 miles	37.0	37.6	36.0
100 to 249 miles	39.3	44.9	45.9
250 to 499 miles	27.7	29.7	30.2
500 to 749 miles	41.0	41.4	40.9
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**29.3**	**25.9**	**13.8**
Less than 50 miles	34.5	30.0	32.0
50 to 99 miles	23.1	24.0	26.6
100 to 249 miles	27.1	26.9	25.1
250 to 499 miles	23.0	26.9	24.0
500 to 749 miles	27.8	30.5	29.7
750 to 999 miles	42.9	41.7	42.3
1,000 to 1,499 miles	49.2	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**16.4**	**21.3**	**20.7**
Less than 50 miles	22.9	28.0	27.9
50 to 99 miles	22.2	40.1	S
100 to 249 miles	37.3	S	S
250 to 499 miles	31.2	36.5	39.8
500 to 749 miles	30.9	35.9	39.0
750 to 999 miles	29.5	35.7	35.1
1,000 to 1,499 miles	21.7	29.5	29.8
1,500 to 1,999 miles	43.4	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**18.8**	**13.2**	**13.9**
Less than 50 miles	16.3	18.2	18.9
50 to 99 miles	S	17.2	15.4
100 to 249 miles	42.2	16.1	15.3
250 to 499 miles	22.1	22.7	22.7
500 to 749 miles	34.6	42.6	41.8
750 to 999 miles	33.9	28.8	28.7
1,000 to 1,499 miles	19.4	26.8	26.6
1,500 to 1,999 miles	42.8	40.4	41.3
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**8.1**	**8.2**	**11.9**
Less than 50 miles	9.8	11.0	12.5
50 to 99 miles	22.3	22.4	20.1
100 to 249 miles	9.0	8.2	8.2
250 to 499 miles	18.8	19.3	18.3
500 to 749 miles	15.0	15.7	15.8
750 to 999 miles	19.4	15.2	15.5
1,000 to 1,499 miles	15.4	14.0	14.5
1,500 to 1,999 miles	21.0	20.1	18.4
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**26.2**	**13.6**	**11.5**
Less than 50 miles	24.1	19.4	21.8
50 to 99 miles	31.6	23.7	23.5
100 to 249 miles	42.8	20.9	21.5
250 to 499 miles	35.2	37.0	32.8
500 to 749 miles	20.8	11.8	12.1
750 to 999 miles	14.9	14.0	14.6
1,000 to 1,499 miles	14.6	16.7	16.7
1,500 to 1,999 miles	29.3	28.1	29.4
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**16.9**	**9.9**	**10.5**
Less than 50 miles	19.3	14.2	16.0
50 to 99 miles	47.6	20.2	21.2
100 to 249 miles	38.0	14.0	12.0
250 to 499 miles	11.3	12.5	12.8
500 to 749 miles	11.4	12.8	13.6
750 to 999 miles	16.6	12.2	12.1
1,000 to 1,499 miles	14.2	18.3	18.6
1,500 to 1,999 miles	16.8	19.8	21.0
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 08, Alcoholic beverages	**10.2**	**15.2**	**31.3**
Less than 50 miles	7.0	10.2	11.4
50 to 99 miles	21.3	22.8	23.2
100 to 249 miles	25.6	31.6	34.1
250 to 499 miles	38.2	38.5	38.5
500 to 749 miles	44.7	S	S
750 to 999 miles	37.5	34.6	34.0
1,000 to 1,499 miles	47.1	32.8	32.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 09, Tobacco products	**34.3**	**35.0**	**34.6**
Less than 50 miles	27.9	34.7	29.6
50 to 99 miles	S	49.1	49.1
100 to 249 miles	47.5	S	S
250 to 499 miles	S	44.0	43.1
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 10, Monumental or building stone	**48.4**	**42.7**	**S**
Less than 50 miles	40.1	S	S
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	S	S
750 to 999 miles	S	40.5	39.9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 11, Natural sands	**16.3**	**24.9**	**22.7**
Less than 50 miles	22.2	29.4	21.1
50 to 99 miles	22.1	40.4	40.9
100 to 249 miles	28.3	37.9	39.0
250 to 499 miles	32.5	S	S
500 to 749 miles	S	38.9	40.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	46.3	34.0	35.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**14.8**	**15.4**	**12.7**
Less than 50 miles	21.5	20.5	25.2
50 to 99 miles	16.8	20.6	19.8
100 to 249 miles	17.4	18.7	15.9
250 to 499 miles	29.4	28.3	27.2
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 13, Nonmetallic minerals n.e.c.	**9.5**	**38.4**	**39.3**
Less than 50 miles	22.6	S	S
50 to 99 miles	25.5	46.7	39.9
100 to 249 miles	15.8	37.6	S
250 to 499 miles	30.8	12.0	13.7
500 to 749 miles	30.3	S	S
750 to 999 miles	22.1	30.6	32.1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**40.0**	**S**	**38.5**
Less than 50 miles	S	S	S
50 to 99 miles	S	44.4	42.2
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	47.2	44.9	43.9
750 to 999 miles	35.1	44.6	45.0
1,000 to 1,499 miles	34.8	47.7	49.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 15, Coal	**17.7**	**19.9**	**16.6**
Less than 50 miles	19.2	20.5	17.0
50 to 99 miles	40.1	40.9	46.5
100 to 249 miles	S	S	S
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	–	–	–

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	**5.8**	**16.3**	**29.9**
Less than 50 miles	9.7	19.1	13.8
50 to 99 miles	17.3	19.7	17.2
100 to 249 miles	17.9	20.8	21.7
250 to 499 miles	36.6	39.4	35.2
500 to 749 miles	30.7	42.0	43.1
750 to 999 miles	31.1	38.6	38.7
1,000 to 1,499 miles	44.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**14.4**	**15.8**	**18.5**
Less than 50 miles	20.5	22.0	30.7
50 to 99 miles	25.4	32.8	38.1
100 to 249 miles	26.9	24.4	25.1
250 to 499 miles	32.7	33.5	37.8
500 to 749 miles	35.6	35.8	33.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**9.0**	**10.5**	**11.4**
Less than 50 miles	13.0	14.3	17.1
50 to 99 miles	21.3	26.3	30.3
100 to 249 miles	12.5	13.2	14.5
250 to 499 miles	19.8	19.1	18.6
500 to 749 miles	28.6	27.5	25.4
750 to 999 miles	21.6	15.5	17.4
1,000 to 1,499 miles	18.9	25.3	28.3
1,500 to 1,999 miles	26.8	33.7	32.7
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**24.3**	**13.7**	**21.5**
Less than 50 miles	19.3	10.5	11.7
50 to 99 miles	13.6	13.2	14.0
100 to 249 miles	11.8	14.4	16.0
250 to 499 miles	S	39.7	35.2
500 to 749 miles	10.8	15.3	16.8
750 to 999 miles	13.8	23.2	25.6
1,000 to 1,499 miles	S	46.3	44.3
1,500 to 1,999 miles	21.3	14.2	14.7
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	**9.8**	**17.4**	**22.1**
Less than 50 miles	13.2	23.3	19.8
50 to 99 miles	20.4	27.9	27.6
100 to 249 miles	14.2	19.6	19.6
250 to 499 miles	25.8	16.2	17.2
500 to 749 miles	21.5	19.1	20.2
750 to 999 miles	24.6	30.0	30.2
1,000 to 1,499 miles	22.8	23.6	23.9
1,500 to 1,999 miles	S	39.0	38.2
2,000 miles or more	S	S	S
SCTG 22, Fertilizers	**19.6**	**14.9**	**20.8**
Less than 50 miles	31.2	24.0	20.1
50 to 99 miles	17.6	17.1	17.4
100 to 249 miles	14.2	16.9	18.6
250 to 499 miles	17.7	24.8	23.0
500 to 749 miles	32.0	31.4	35.1
750 to 999 miles	33.3	35.4	40.2
1,000 to 1,499 miles	29.5	29.0	28.0
1,500 to 1,999 miles	37.9	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.0**	**16.6**
Less than 50 miles	10.3	18.8	15.7
50 to 99 miles	13.3	21.0	20.7
100 to 249 miles	36.1	24.0	27.8
250 to 499 miles	13.0	17.6	17.7
500 to 749 miles	16.2	11.4	11.5
750 to 999 miles	15.9	14.0	13.5
1,000 to 1,499 miles	13.2	17.7	18.6
1,500 to 1,999 miles	35.7	S	50.0
2,000 miles or more	46.7	47.3	45.6
SCTG 24, Plastics and rubber	**4.9**	**7.3**	**9.3**
Less than 50 miles	7.8	13.4	17.5
50 to 99 miles	10.9	15.5	15.9
100 to 249 miles	10.7	14.4	14.5
250 to 499 miles	8.2	12.3	13.6
500 to 749 miles	7.4	13.6	14.4
750 to 999 miles	7.9	13.3	13.5
1,000 to 1,499 miles	7.0	9.4	9.6
1,500 to 1,999 miles	9.7	12.3	12.8
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 25, Logs and other wood in the rough	**20.0**	**30.4**	**40.2**
Less than 50 miles	24.5	34.5	33.4
50 to 99 miles	30.2	38.4	37.5
100 to 249 miles	47.3	S	S
250 to 499 miles	34.8	34.6	32.9
500 to 749 miles	S	S	S
750 to 999 miles	S	45.5	45.5
1,000 to 1,499 miles	43.0	45.8	46.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**20.0**	**33.1**	**36.9**
Less than 50 miles	11.2	25.9	29.8
50 to 99 miles	12.5	33.4	31.7
100 to 249 miles	36.0	S	S
250 to 499 miles	24.0	40.9	35.7
500 to 749 miles	15.7	32.1	33.2
750 to 999 miles	22.5	42.5	42.0
1,000 to 1,499 miles	13.9	29.0	29.5
1,500 to 1,999 miles	14.0	12.9	12.7
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.8**	**7.0**	**6.9**
Less than 50 miles	29.8	15.2	15.6
50 to 99 miles	9.3	13.1	15.4
100 to 249 miles	23.9	14.1	15.5
250 to 499 miles	6.0	8.2	8.5
500 to 749 miles	10.8	12.1	12.4
750 to 999 miles	10.0	12.0	12.2
1,000 to 1,499 miles	10.5	10.2	10.8
1,500 to 1,999 miles	18.6	17.9	18.2
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**8.0**	**8.3**	**11.0**
Less than 50 miles	11.4	13.0	11.0
50 to 99 miles	13.5	19.4	19.2
100 to 249 miles	31.9	17.4	14.1
250 to 499 miles	10.9	11.6	11.9
500 to 749 miles	14.8	17.9	18.8
750 to 999 miles	19.3	19.5	19.1
1,000 to 1,499 miles	17.1	15.8	16.0
1,500 to 1,999 miles	24.5	26.9	27.2
2,000 miles or more	S	S	S
SCTG 29, Printed products	**6.8**	**21.7**	**17.9**
Less than 50 miles	10.1	28.3	18.2
50 to 99 miles	17.1	22.3	22.3
100 to 249 miles	9.0	11.7	11.6
250 to 499 miles	18.5	26.8	29.0
500 to 749 miles	12.5	25.3	24.1
750 to 999 miles	18.9	20.2	20.2
1,000 to 1,499 miles	25.4	23.9	24.6
1,500 to 1,999 miles	20.9	42.6	43.1
2,000 miles or more	47.1	43.5	39.1
SCTG 30, Textiles, leather, and articles of textiles or leather	**27.1**	**39.9**	**22.4**
Less than 50 miles	35.8	46.4	36.7
50 to 99 miles	33.2	24.7	23.6
100 to 249 miles	46.8	S	S
250 to 499 miles	44.0	S	S
500 to 749 miles	16.2	17.9	19.6
750 to 999 miles	12.2	24.0	23.9
1,000 to 1,499 miles	15.0	15.7	16.1
1,500 to 1,999 miles	26.9	23.5	25.1
2,000 miles or more	29.8	S	S
SCTG 31, Nonmetallic mineral products	**5.2**	**9.9**	**8.5**
Less than 50 miles	9.1	15.1	12.1
50 to 99 miles	10.3	26.7	25.1
100 to 249 miles	9.0	15.0	12.9
250 to 499 miles	10.9	13.2	12.6
500 to 749 miles	15.3	12.6	12.0
750 to 999 miles	13.8	14.0	14.3
1,000 to 1,499 miles	11.4	14.0	13.5
1,500 to 1,999 miles	12.4	28.2	29.4
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.4**	**22.5**	**14.5**
Less than 50 miles	16.8	30.6	20.2
50 to 99 miles	9.7	13.1	12.3
100 to 249 miles	18.4	30.3	32.1
250 to 499 miles	16.9	27.4	30.2
500 to 749 miles	15.9	30.5	31.8
750 to 999 miles	13.9	15.0	18.4
1,000 to 1,499 miles	12.1	14.7	14.7
1,500 to 1,999 miles	20.9	28.8	29.4
2,000 miles or more	44.0	42.6	42.2

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.6**	**14.4**	**17.2**
Less than 50 miles	7.7	14.7	14.7
50 to 99 miles	11.6	33.3	35.7
100 to 249 miles	8.8	22.4	23.0
250 to 499 miles	13.3	21.7	21.8
500 to 749 miles	13.7	28.6	29.1
750 to 999 miles	11.9	13.1	13.5
1,000 to 1,499 miles	9.5	17.9	18.4
1,500 to 1,999 miles	31.9	28.4	28.0
2,000 miles or more	31.2	28.8	34.7
SCTG 34, Machinery	**8.2**	**9.2**	**10.2**
Less than 50 miles	12.3	18.1	26.2
50 to 99 miles	21.5	35.8	36.7
100 to 249 miles	25.3	29.9	23.9
250 to 499 miles	10.7	9.2	9.7
500 to 749 miles	12.8	15.8	15.2
750 to 999 miles	21.5	17.0	16.8
1,000 to 1,499 miles	12.9	15.9	15.6
1,500 to 1,999 miles	18.1	25.2	25.1
2,000 miles or more	47.8	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**17.6**	**18.8**	**16.7**
Less than 50 miles	33.0	28.8	43.3
50 to 99 miles	26.7	40.8	44.8
100 to 249 miles	31.4	33.7	34.7
250 to 499 miles	19.5	25.3	21.9
500 to 749 miles	14.5	19.7	18.3
750 to 999 miles	16.5	24.7	25.7
1,000 to 1,499 miles	24.1	17.4	18.1
1,500 to 1,999 miles	35.1	22.6	21.7
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**11.4**	**12.7**	**15.5**
Less than 50 miles	10.0	14.2	29.1
50 to 99 miles	40.7	44.8	43.9
100 to 249 miles	27.4	29.0	28.1
250 to 499 miles	16.7	15.2	15.8
500 to 749 miles	24.5	18.1	19.7
750 to 999 miles	27.8	27.4	28.1
1,000 to 1,499 miles	19.8	18.6	20.6
1,500 to 1,999 miles	26.3	25.7	27.5
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**9.0**	**26.9**	**39.8**
Less than 50 miles	26.3	40.9	42.7
50 to 99 miles	34.0	S	S
100 to 249 miles	22.1	39.0	41.8
250 to 499 miles	20.8	49.9	S
500 to 749 miles	28.0	30.4	29.1
750 to 999 miles	22.2	S	S
1,000 to 1,499 miles	24.8	27.2	27.5
1,500 to 1,999 miles	32.2	31.3	30.7
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	**47.3**	**20.0**	**34.0**
Less than 50 miles	23.6	22.7	26.9
50 to 99 miles	28.5	20.7	21.0
100 to 249 miles	32.1	24.0	25.2
250 to 499 miles	32.1	24.9	25.2
500 to 749 miles	S	28.0	28.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	47.0	45.6
1,500 to 1,999 miles	S	31.7	30.7
2,000 miles or more	47.2	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**33.9**	**29.0**	**15.1**
Less than 50 miles	28.8	41.4	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	48.8
250 to 499 miles	S	41.7	35.1
500 to 749 miles	25.9	16.6	16.7
750 to 999 miles	31.1	18.7	18.1
1,000 to 1,499 miles	26.3	19.4	18.6
1,500 to 1,999 miles	23.7	19.7	19.2
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**17.0**	**10.4**	**12.5**
Less than 50 miles	11.6	22.2	19.0
50 to 99 miles	24.2	26.2	27.6
100 to 249 miles	12.1	13.0	12.9
250 to 499 miles	22.1	16.5	15.8
500 to 749 miles	28.3	12.0	12.0
750 to 999 miles	28.0	18.2	18.1
1,000 to 1,499 miles	24.3	18.0	19.6
1,500 to 1,999 miles	25.3	16.9	16.6
2,000 miles or more	34.1	22.7	23.4

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 41, Waste and scrap	**12.8**	**14.8**	**13.0**
Less than 50 miles	22.1	23.4	23.0
50 to 99 miles	18.6	27.6	33.3
100 to 249 miles	24.7	29.8	35.0
250 to 499 miles	20.0	17.1	21.3
500 to 749 miles	19.9	25.2	25.3
750 to 999 miles	19.9	23.0	24.0
1,000 to 1,499 miles	32.2	30.2	31.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**23.4**	**19.0**	**23.1**
Less than 50 miles	14.0	13.8	15.4
50 to 99 miles	23.2	20.5	19.8
100 to 249 miles	29.7	26.6	26.9
250 to 499 miles	S	35.5	33.8
500 to 749 miles	S	S	S
750 to 999 miles	36.0	49.8	49.7
1,000 to 1,499 miles	48.5	S	49.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	**26.5**	**24.8**	**32.4**
Less than 50 miles	19.4	31.2	29.2
50 to 99 miles	S	40.9	38.6
100 to 249 miles	48.2	35.2	35.8
250 to 499 miles	33.9	S	S
500 to 749 miles	28.7	S	S
750 to 999 miles	29.4	49.4	S
1,000 to 1,499 miles	21.3	38.7	39.3
1,500 to 1,999 miles	41.7	S	S
2,000 miles or more	S	S	S

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

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

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**5.0**	**4.8**	**7.6**
Less than 50 lb	12.4	4.8	7.7
50 to 99 lb	12.9	6.7	6.8
100 to 499 lb	12.2	4.5	8.0
500 to 749 lb	8.2	6.3	6.2
750 to 999 lb	9.9	6.3	9.4
1,000 to 9,999 lb	7.0	3.6	5.8
10,000 to 49,999 lb	9.2	6.1	6.4
50,000 to 99,999 lb	10.2	6.5	6.3
100,000 lb or more	6.1	8.3	10.6
SCTG 01, Live animals and live fish	**30.3**	**34.4**	**28.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	47.4	S
1,000 to 9,999 lb	S	S	35.9
10,000 to 49,999 lb	17.0	25.5	20.7
50,000 to 99,999 lb	37.4	38.3	34.9
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**29.3**	**25.9**	**13.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	34.3	40.5	49.9
500 to 749 lb	37.7	30.1	43.7
750 to 999 lb	47.3	S	S
1,000 to 9,999 lb	S	38.2	S
10,000 to 49,999 lb	17.5	22.3	37.1
50,000 to 99,999 lb	13.4	13.8	22.9
100,000 lb or more	35.5	31.3	16.1
SCTG 03, Other agricultural products	**16.4**	**21.3**	**20.7**
Less than 50 lb	29.7	27.8	23.2
50 to 99 lb	36.8	39.9	36.0
100 to 499 lb	32.2	40.5	29.9
500 to 749 lb	30.6	33.1	20.2
750 to 999 lb	22.9	29.8	27.8
1,000 to 9,999 lb	26.5	26.3	24.6
10,000 to 49,999 lb	22.2	23.3	33.0
50,000 to 99,999 lb	31.9	33.0	22.6
100,000 lb or more	27.7	29.1	26.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	**18.8**	**13.2**	**13.9**
Less than 50 lb	44.8	S	S
50 to 99 lb	46.6	S	29.8
100 to 499 lb	35.9	46.7	26.4
500 to 749 lb	46.8	S	32.0
750 to 999 lb	30.6	43.6	38.0
1,000 to 9,999 lb	18.9	32.6	16.9
10,000 to 49,999 lb	27.5	15.3	17.2
50,000 to 99,999 lb	13.8	22.6	20.8
100,000 lb or more	27.0	29.7	40.3
SCTG 05, Meat, fish, seafood, and their preparations	**8.1**	**8.2**	**11.9**
Less than 50 lb	35.4	40.0	36.8
50 to 99 lb	24.0	26.3	22.2
100 to 499 lb	23.7	25.3	20.2
500 to 749 lb	21.7	21.6	19.1
750 to 999 lb	19.7	21.6	15.7
1,000 to 9,999 lb	9.7	13.1	14.2
10,000 to 49,999 lb	11.3	10.6	13.1
50,000 to 99,999 lb	27.3	24.3	31.7
100,000 lb or more	S	38.8	35.4
SCTG 06, Milled grain products and preparations, and bakery products	**26.2**	**13.6**	**11.5**
Less than 50 lb	33.2	S	29.8
50 to 99 lb	S	S	S
100 to 499 lb	37.4	37.2	31.9
500 to 749 lb	S	47.6	48.3
750 to 999 lb	S	42.6	42.7
1,000 to 9,999 lb	45.7	26.1	27.4
10,000 to 49,999 lb	33.7	18.3	15.2
50,000 to 99,999 lb	S	S	43.8
100,000 lb or more	23.1	20.9	19.3
SCTG 07, Other prepared foodstuffs and fats and oils	**16.9**	**9.9**	**10.5**
Less than 50 lb	32.8	23.9	S
50 to 99 lb	22.1	19.2	32.3
100 to 499 lb	11.6	13.8	18.0
500 to 749 lb	9.6	13.1	18.7
750 to 999 lb	12.6	13.3	12.3
1,000 to 9,999 lb	10.4	11.8	10.1
10,000 to 49,999 lb	24.5	11.3	10.5
50,000 to 99,999 lb	40.5	30.4	26.8
100,000 lb or more	24.3	25.1	22.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**10.2**	**15.2**	**31.3**
Less than 50 lb	26.4	13.7	22.2
50 to 99 lb	12.6	8.6	11.2
100 to 499 lb	9.6	11.0	7.1
500 to 749 lb	9.1	8.5	7.8
750 to 999 lb	13.0	11.3	11.9
1,000 to 9,999 lb	7.5	9.4	13.0
10,000 to 49,999 lb	26.4	28.7	32.3
50,000 to 99,999 lb	27.2	25.7	34.9
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**34.3**	**35.0**	**34.6**
Less than 50 lb	26.3	26.4	44.1
50 to 99 lb	31.3	28.9	38.7
100 to 499 lb	43.7	39.2	S
500 to 749 lb	33.7	36.8	49.6
750 to 999 lb	S	S	S
1,000 to 9,999 lb	28.3	40.4	49.5
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**48.4**	**42.7**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	49.6	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	45.1	41.9	35.7
10,000 to 49,999 lb	S	44.9	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 11, Natural sands	**16.3**	**24.9**	**22.7**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	37.8	S
500 to 749 lb	48.1	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36.7	39.8	39.5
10,000 to 49,999 lb	22.5	38.0	17.1
50,000 to 99,999 lb	22.3	27.6	26.8
100,000 lb or more	44.0	36.7	39.5
SCTG 12, Gravel and crushed stone	**14.8**	**15.4**	**12.7**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	46.6	S
750 to 999 lb	S	S	45.5
1,000 to 9,999 lb	38.1	34.3	22.9
10,000 to 49,999 lb	23.7	19.3	18.7
50,000 to 99,999 lb	15.0	17.0	17.7
100,000 lb or more	19.0	21.4	18.1
SCTG 13, Nonmetallic minerals n.e.c.	**9.5**	**38.4**	**39.3**
Less than 50 lb	42.3	40.2	S
50 to 99 lb	41.8	36.9	S
100 to 499 lb	36.0	27.0	S
500 to 749 lb	S	S	S
750 to 999 lb	46.6	34.5	S
1,000 to 9,999 lb	25.3	36.9	39.9
10,000 to 49,999 lb	15.1	S	29.1
50,000 to 99,999 lb	22.5	S	35.1
100,000 lb or more	24.1	39.3	49.1
SCTG 14, Metallic ores and concentrates	**40.0**	**S**	**38.5**
Less than 50 lb	S	S	S
50 to 99 lb	49.0	S	S
100 to 499 lb	38.3	45.7	47.1
500 to 749 lb	S	S	48.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.5	S	42.4
10,000 to 49,999 lb	S	S	38.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	42.8
SCTG 15, Coal	**17.7**	**19.9**	**16.6**
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	S	S	S
10,000 to 49,999 lb	25.3	30.4	S
50,000 to 99,999 lb	28.7	34.6	26.4
100,000 lb or more	20.5	21.3	20.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**5.8**	**16.3**	**29.9**
Less than 50 lb	S	S	S
50 to 99 lb	28.9	32.7	30.1
100 to 499 lb	29.7	34.1	30.6
500 to 749 lb	S	30.7	47.7
750 to 999 lb	32.6	31.2	37.3
1,000 to 9,999 lb	20.2	17.6	22.7
10,000 to 49,999 lb	13.7	15.8	22.6
50,000 to 99,999 lb	7.6	7.5	17.4
100,000 lb or more	8.0	19.2	30.9
SCTG 18, Fuel oils	**14.4**	**15.8**	**18.5**
Less than 50 lb	S	46.2	S
50 to 99 lb	S	41.2	42.7
100 to 499 lb	30.0	19.7	20.4
500 to 749 lb	38.5	19.1	33.6
750 to 999 lb	43.1	20.1	31.7
1,000 to 9,999 lb	18.1	19.2	17.6
10,000 to 49,999 lb	28.7	30.0	25.8
50,000 to 99,999 lb	21.2	19.6	23.4
100,000 lb or more	17.6	18.4	19.8
SCTG 19, Coal and petroleum products, n.e.c.	**9.0**	**10.5**	**11.4**
Less than 50 lb	36.2	24.7	S
50 to 99 lb	31.8	27.8	S
100 to 499 lb	27.1	32.6	S
500 to 749 lb	30.8	S	39.3
750 to 999 lb	28.3	38.8	S
1,000 to 9,999 lb	24.0	27.8	S
10,000 to 49,999 lb	13.9	30.0	29.3
50,000 to 99,999 lb	19.8	21.3	26.0
100,000 lb or more	11.7	11.0	13.5
SCTG 20, Basic chemicals	**24.3**	**13.7**	**21.5**
Less than 50 lb	26.7	28.7	34.8
50 to 99 lb	28.4	47.2	47.7
100 to 499 lb	29.1	40.3	31.4
500 to 749 lb	31.9	44.6	46.2
750 to 999 lb	49.7	S	43.7
1,000 to 9,999 lb	36.5	27.2	S
10,000 to 49,999 lb	37.4	24.2	40.8
50,000 to 99,999 lb	23.0	14.3	21.2
100,000 lb or more	19.6	12.3	18.4
SCTG 21, Pharmaceutical products	**9.8**	**17.4**	**22.1**
Less than 50 lb	13.2	16.1	20.1
50 to 99 lb	17.4	17.2	25.8
100 to 499 lb	21.5	16.4	28.7
500 to 749 lb	30.4	26.4	35.4
750 to 999 lb	S	25.1	S
1,000 to 9,999 lb	21.7	24.4	19.9
10,000 to 49,999 lb	21.8	28.0	26.5
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**19.6**	**14.9**	**20.8**
Less than 50 lb	44.8	47.6	49.0
50 to 99 lb	43.5	S	48.5
100 to 499 lb	36.4	S	27.7
500 to 749 lb	24.8	27.4	48.5
750 to 999 lb	23.9	36.1	29.2
1,000 to 9,999 lb	21.4	23.4	21.2
10,000 to 49,999 lb	36.0	12.7	22.5
50,000 to 99,999 lb	23.6	27.1	21.4
100,000 lb or more	27.6	23.6	23.9
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.0**	**16.6**
Less than 50 lb	14.5	12.1	18.4
50 to 99 lb	13.5	13.5	16.1
100 to 499 lb	9.4	11.2	14.2
500 to 749 lb	12.1	11.2	14.6
750 to 999 lb	16.6	15.8	15.3
1,000 to 9,999 lb	10.1	9.5	17.2
10,000 to 49,999 lb	17.4	13.9	23.4
50,000 to 99,999 lb	30.7	28.6	28.3
100,000 lb or more	25.7	26.0	15.8
SCTG 24, Plastics and rubber	**4.9**	**7.3**	**9.3**
Less than 50 lb	14.2	16.1	25.6
50 to 99 lb	15.9	17.5	16.5
100 to 499 lb	8.9	10.3	10.6
500 to 749 lb	10.0	12.6	11.8
750 to 999 lb	17.1	13.0	12.9
1,000 to 9,999 lb	8.8	12.3	13.5
10,000 to 49,999 lb	7.6	12.8	13.7
50,000 to 99,999 lb	24.1	22.0	48.8
100,000 lb or more	8.3	9.9	10.2

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**20.0**	**30.4**	**40.2**
Less than 50 lb	49.8	S	S
50 to 99 lb	S	S	S
100 to 499 lb	41.1	49.4	S
500 to 749 lb	30.6	S	49.3
750 to 999 lb	S	S	44.7
1,000 to 9,999 lb	25.9	S	38.9
10,000 to 49,999 lb	26.2	24.3	19.9
50,000 to 99,999 lb	23.4	30.8	25.2
100,000 lb or more	S	S	S
SCTG 26, Wood products	**20.0**	**33.1**	**36.9**
Less than 50 lb	37.6	30.6	S
50 to 99 lb	16.8	15.4	24.7
100 to 499 lb	26.1	21.0	33.9
500 to 749 lb	15.7	22.1	22.0
750 to 999 lb	22.9	20.8	29.5
1,000 to 9,999 lb	16.2	14.4	17.5
10,000 to 49,999 lb	19.2	35.3	29.4
50,000 to 99,999 lb	13.7	29.8	24.1
100,000 lb or more	46.1	44.0	46.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.8**	**7.0**	**6.9**
Less than 50 lb	17.3	12.4	25.8
50 to 99 lb	17.5	22.3	26.8
100 to 499 lb	18.6	19.3	37.1
500 to 749 lb	16.5	14.8	26.9
750 to 999 lb	24.2	24.4	46.6
1,000 to 9,999 lb	12.6	10.3	31.6
10,000 to 49,999 lb	17.4	7.2	7.2
50,000 to 99,999 lb	23.4	23.5	25.9
100,000 lb or more	11.0	13.8	12.0
SCTG 28, Paper or paperboard articles	**8.0**	**8.3**	**11.0**
Less than 50 lb	20.9	17.2	34.5
50 to 99 lb	19.9	22.7	S
100 to 499 lb	16.0	14.0	33.5
500 to 749 lb	18.4	16.9	21.9
750 to 999 lb	31.4	21.8	31.6
1,000 to 9,999 lb	14.9	17.0	12.7
10,000 to 49,999 lb	9.5	8.6	11.7
50,000 to 99,999 lb	45.4	47.7	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**6.8**	**21.7**	**17.9**
Less than 50 lb	17.7	28.3	28.6
50 to 99 lb	10.9	18.6	19.9
100 to 499 lb	13.0	9.8	16.5
500 to 749 lb	17.7	37.2	16.2
750 to 999 lb	20.9	45.8	14.1
1,000 to 9,999 lb	14.6	16.3	13.9
10,000 to 49,999 lb	15.4	13.5	25.0
50,000 to 99,999 lb	47.8	S	S
100,000 lb or more	S	S	49.4
SCTG 30, Textiles, leather, and articles of textiles or leather	**27.1**	**39.9**	**22.4**
Less than 50 lb	19.3	10.8	14.1
50 to 99 lb	15.8	13.2	19.7
100 to 499 lb	16.6	15.3	22.8
500 to 749 lb	35.9	18.9	19.1
750 to 999 lb	17.5	21.6	16.5
1,000 to 9,999 lb	44.3	33.2	19.4
10,000 to 49,999 lb	45.8	49.4	31.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**5.2**	**9.9**	**8.5**
Less than 50 lb	33.3	S	30.5
50 to 99 lb	22.4	26.5	30.3
100 to 499 lb	21.4	24.4	20.7
500 to 749 lb	20.8	21.5	25.3
750 to 999 lb	28.1	17.1	25.1
1,000 to 9,999 lb	10.7	7.6	18.4
10,000 to 49,999 lb	7.0	11.9	10.3
50,000 to 99,999 lb	7.9	16.7	11.3
100,000 lb or more	13.1	19.9	20.6
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.4**	**22.5**	**14.5**
Less than 50 lb	19.2	18.2	12.7
50 to 99 lb	22.6	18.2	22.8
100 to 499 lb	14.7	14.6	24.6
500 to 749 lb	17.3	13.5	23.7
750 to 999 lb	15.2	11.0	20.2
1,000 to 9,999 lb	9.6	16.5	16.3
10,000 to 49,999 lb	8.0	9.5	8.6
50,000 to 99,999 lb	30.5	33.1	31.0
100,000 lb or more	35.8	48.9	21.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.6**	**14.4**	**17.2**
Less than 50 lb	9.1	7.5	12.5
50 to 99 lb	13.5	10.3	21.5
100 to 499 lb	8.6	9.1	15.7
500 to 749 lb	14.0	10.1	14.6
750 to 999 lb	19.1	13.4	31.7
1,000 to 9,999 lb	8.2	8.4	6.9
10,000 to 49,999 lb	8.3	19.1	23.3
50,000 to 99,999 lb	42.4	31.4	37.8
100,000 lb or more	22.7	23.0	42.6
SCTG 34, Machinery	**8.2**	**9.2**	**10.2**
Less than 50 lb	10.0	10.1	15.7
50 to 99 lb	11.9	16.4	15.5
100 to 499 lb	7.9	7.1	13.7
500 to 749 lb	9.9	10.7	17.0
750 to 999 lb	21.8	17.2	28.9
1,000 to 9,999 lb	15.6	17.4	11.3
10,000 to 49,999 lb	16.1	15.4	17.7
50,000 to 99,999 lb	23.0	20.7	30.1
100,000 lb or more	33.6	28.3	39.6
SCTG 35, Electronic and other electrical equipment and components and office equipment	**17.6**	**18.8**	**16.7**
Less than 50 lb	14.6	6.5	9.9
50 to 99 lb	34.5	18.7	31.1
100 to 499 lb	31.5	24.9	41.2
500 to 749 lb	29.4	38.4	24.8
750 to 999 lb	25.2	37.9	43.2
1,000 to 9,999 lb	24.0	27.1	22.1
10,000 to 49,999 lb	43.3	19.1	12.4
50,000 to 99,999 lb	49.1	S	S
100,000 lb or more	39.5	27.1	32.1
SCTG 36, Motorized and other vehicles (including parts)	**11.4**	**12.7**	**15.5**
Less than 50 lb	12.2	13.7	17.2
50 to 99 lb	19.8	16.7	14.8
100 to 499 lb	18.0	15.4	15.8
500 to 749 lb	33.8	15.9	20.9
750 to 999 lb	27.3	24.9	27.4
1,000 to 9,999 lb	24.3	17.3	37.4
10,000 to 49,999 lb	26.9	27.7	11.6
50,000 to 99,999 lb	S	44.9	S
100,000 lb or more	39.1	47.2	S
SCTG 37, Transportation equipment, n.e.c.	**9.0**	**26.9**	**39.8**
Less than 50 lb	19.5	S	48.1
50 to 99 lb	S	29.8	29.1
100 to 499 lb	21.9	25.2	25.6
500 to 749 lb	28.3	18.7	21.0
750 to 999 lb	S	38.8	41.9
1,000 to 9,999 lb	20.4	31.9	27.1
10,000 to 49,999 lb	29.9	40.6	37.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	48.1	49.2	S
SCTG 38, Precision instruments and apparatus	**47.3**	**20.0**	**34.0**
Less than 50 lb	S	S	S
50 to 99 lb	16.3	23.4	16.1
100 to 499 lb	32.7	29.2	15.9
500 to 749 lb	27.5	27.3	20.1
750 to 999 lb	31.5	30.7	47.6
1,000 to 9,999 lb	21.5	20.7	22.2
10,000 to 49,999 lb	29.2	33.3	45.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**33.9**	**29.0**	**15.1**
Less than 50 lb	28.8	26.0	S
50 to 99 lb	28.5	22.5	29.3
100 to 499 lb	34.6	17.3	24.3
500 to 749 lb	29.5	15.9	16.7
750 to 999 lb	19.4	21.0	20.6
1,000 to 9,999 lb	S	44.6	18.6
10,000 to 49,999 lb	S	36.3	25.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**17.0**	**10.4**	**12.5**
Less than 50 lb	44.6	15.9	25.1
50 to 99 lb	12.0	10.1	9.3
100 to 499 lb	10.1	9.2	11.6
500 to 749 lb	11.5	10.7	12.7
750 to 999 lb	15.4	20.3	17.5
1,000 to 9,999 lb	11.1	13.4	13.5
10,000 to 49,999 lb	13.5	12.4	14.4
50,000 to 99,999 lb	16.8	31.3	22.5
100,000 lb or more	33.3	23.4	28.9

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**12.8**	**14.8**	**13.0**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.6	S	43.5
10,000 to 49,999 lb	13.4	20.0	16.6
50,000 to 99,999 lb	23.2	30.8	26.1
100,000 lb or more	20.1	17.1	18.6
SCTG 43, Mixed freight	**23.4**	**19.0**	**23.1**
Less than 50 lb	27.4	27.3	25.3
50 to 99 lb	26.4	21.3	32.7
100 to 499 lb	16.0	16.9	21.1
500 to 749 lb	19.4	18.6	22.7
750 to 999 lb	16.5	20.3	28.2
1,000 to 9,999 lb	18.3	14.2	19.9
10,000 to 49,999 lb	37.3	29.4	38.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**26.5**	**24.8**	**32.4**
Less than 50 lb	32.0	23.9	33.6
50 to 99 lb	38.6	26.2	32.8
100 to 499 lb	31.6	22.8	22.4
500 to 749 lb	41.7	27.6	28.5
750 to 999 lb	42.5	36.1	43.6
1,000 to 9,999 lb	28.0	32.3	41.8
10,000 to 49,999 lb	S	27.6	22.4
50,000 to 99,999 lb	S	48.7	47.4
100,000 lb or more	36.2	43.7	48.2

– 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–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	**5.0**	**4.8**	**7.6**	**6.4**	**5.2**	**6.0**	**6.4**	**9.7**	**8.4**	**8.0**
Less than 50 lb	12.4	4.8	7.7	6.3	6.0	5.5	8.4	12.7	14.8	15.0
50 to 99 lb	12.9	6.7	6.8	6.5	11.5	9.7	8.0	11.9	8.4	7.6
100 to 499 lb	12.2	4.5	8.0	8.0	5.9	6.1	6.0	8.6	7.9	7.7
500 to 749 lb	8.2	6.3	6.2	5.8	10.4	8.6	10.7	14.7	11.7	11.9
750 to 999 lb	9.9	6.3	9.4	7.3	8.5	8.5	8.1	16.9	14.5	14.6
1,000 to 9,999 lb	7.0	3.6	5.8	6.1	9.7	6.2	7.3	12.5	6.3	6.2
10,000 to 49,999 lb	9.2	6.1	6.4	6.0	10.8	10.3	11.2	24.3	13.4	11.9
50,000 to 99,999 lb	10.2	6.5	6.3	4.2	10.9	7.6	7.9	7.8	14.0	13.9
100,000 lb or more	6.1	8.3	10.6	3.1	8.4	10.8	10.2	10.5	15.3	17.7
SCTG 01, Live animals and live fish	**30.3**	**34.4**	**28.2**	**S**	**42.5**	**S**	**S**	**37.0**	**37.6**	**36.0**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	23.4	S	S	S	S	S	S
100 to 499 lb	S	S	S	20.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.4	S	S	S	S	S	S
750 to 999 lb	S	47.4	S	21.6	S	44.5	49.3	S	S	S
1,000 to 9,999 lb	S	S	35.9	34.6	S	S	S	S	S	S
10,000 to 49,999 lb	17.0	25.5	20.7	24.2	29.6	45.7	43.9	40.1	40.8	40.0
50,000 to 99,999 lb	37.4	38.3	34.9	17.9	S	S	S	47.3	46.2	46.3
100,000 lb or more	S	S	S	26.6	S	S	S	S	S	S
SCTG 02, Cereal grains	**29.3**	**25.9**	**13.8**	**14.5**	**34.5**	**30.0**	**32.0**	**23.1**	**24.0**	**26.6**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	34.3	40.5	49.9	S	42.4	45.4	23.7	S	S	S
500 to 749 lb	37.7	30.1	43.7	33.0	45.6	38.3	39.9	S	S	S
750 to 999 lb	47.3	S	S	35.4	S	S	S	–	–	–
1,000 to 9,999 lb	S	38.2	S	16.7	S	21.4	21.9	41.5	32.1	29.4
10,000 to 49,999 lb	17.5	22.3	37.1	16.5	20.4	23.6	31.0	35.4	35.4	38.5
50,000 to 99,999 lb	13.4	13.8	22.9	13.6	15.6	16.2	19.5	26.2	26.8	30.0
100,000 lb or more	35.5	31.3	16.1	16.7	40.2	34.9	36.7	S	S	S
SCTG 03, Other agricultural products	**16.4**	**21.3**	**20.7**	**S**	**22.9**	**28.0**	**27.9**	**22.2**	**40.1**	**S**
Less than 50 lb	29.7	27.8	23.2	S	31.8	28.2	32.2	37.0	40.8	41.7
50 to 99 lb	36.8	39.9	36.0	43.4	26.1	43.1	S	S	S	48.2
100 to 499 lb	32.2	40.5	29.9	S	36.6	41.5	41.3	40.1	S	S
500 to 749 lb	30.6	33.1	20.2	S	35.3	36.7	33.6	38.5	41.2	39.5
750 to 999 lb	22.9	29.8	27.8	S	25.5	32.0	28.6	43.9	38.5	38.3
1,000 to 9,999 lb	26.5	26.3	24.6	46.6	28.9	28.4	30.5	35.0	34.4	29.7
10,000 to 49,999 lb	22.2	23.3	33.0	15.6	35.9	31.8	44.9	24.9	35.8	37.7
50,000 to 99,999 lb	31.9	33.0	22.6	46.6	47.5	46.6	S	31.7	33.9	34.7
100,000 lb or more	27.7	29.1	26.8	27.2	35.1	36.5	33.8	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**18.8**	**13.2**	**13.9**	**S**	**16.3**	**18.2**	**18.9**	**S**	**17.2**	**15.4**
Less than 50 lb	44.8	S	S	S	S	S	44.8	S	S	S
50 to 99 lb	46.6	S	29.8	S	S	S	39.3	47.2	38.6	39.7
100 to 499 lb	35.9	46.7	26.4	S	47.4	47.8	43.5	43.0	28.2	30.3
500 to 749 lb	46.8	S	32.0	S	S	S	S	48.2	26.5	27.1
750 to 999 lb	30.6	43.6	38.0	47.9	41.6	S	29.3	41.7	40.7	43.3
1,000 to 9,999 lb	18.9	32.6	16.9	45.7	36.4	42.5	40.9	28.0	20.1	20.0
10,000 to 49,999 lb	27.5	15.3	17.2	18.9	17.8	19.8	20.2	S	20.8	20.2
50,000 to 99,999 lb	13.8	22.6	20.8	21.9	16.2	24.9	27.2	25.8	38.3	30.6
100,000 lb or more	27.0	29.7	40.3	16.8	38.1	45.9	44.5	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**8.1**	**8.2**	**11.9**	**21.3**	**9.8**	**11.0**	**12.5**	**22.3**	**22.4**	**20.1**
Less than 50 lb	35.4	40.0	36.8	36.4	41.5	43.4	S	S	47.6	49.2
50 to 99 lb	24.0	26.3	22.2	28.4	28.9	29.9	32.5	38.9	42.8	41.7
100 to 499 lb	23.7	25.3	20.2	26.9	27.1	28.6	28.7	38.2	41.4	40.6
500 to 749 lb	21.7	21.6	19.1	30.5	31.6	24.7	32.2	45.7	47.3	47.0
750 to 999 lb	19.7	21.6	15.7	S	25.4	20.0	24.6	45.4	48.3	47.4
1,000 to 9,999 lb	9.7	13.1	14.2	14.1	18.9	20.2	21.8	18.8	19.9	19.3
10,000 to 49,999 lb	11.3	10.6	13.1	5.7	13.4	13.6	16.1	25.3	27.4	24.6
50,000 to 99,999 lb	27.3	24.3	31.7	19.4	S	S	S	S	S	S
100,000 lb or more	S	38.8	35.4	21.5	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**26.2**	**13.6**	**11.5**	**42.9**	**24.1**	**19.4**	**21.8**	**31.6**	**23.7**	**23.5**
Less than 50 lb	33.2	S	29.8	S	45.0	S	S	33.7	32.7	31.7
50 to 99 lb	S	S	S	S	S	S	S	38.9	42.0	41.9
100 to 499 lb	37.4	37.2	31.9	42.5	29.4	49.0	30.2	S	40.7	36.6
500 to 749 lb	S	47.6	48.3	13.9	S	46.0	S	S	S	S
750 to 999 lb	S	42.6	42.7	28.4	33.1	32.6	34.8	S	S	S
1,000 to 9,999 lb	45.7	26.1	27.4	13.7	39.2	23.1	23.7	35.7	30.7	30.4
10,000 to 49,999 lb	33.7	18.3	15.2	8.2	49.0	22.1	25.7	24.0	27.6	29.1
50,000 to 99,999 lb	S	S	43.8	29.5	S	S	S	S	S	S
100,000 lb or more	23.1	20.9	19.3	10.5	47.7	48.0	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**16.9**	**9.9**	**10.5**	**18.3**	**19.3**	**14.2**	**16.0**	**47.6**	**20.2**	**21.2**
Less than 50 lb	32.8	23.9	S	18.4	41.4	22.9	28.5	38.6	41.8	40.9
50 to 99 lb	22.1	19.2	32.3	14.1	19.8	18.0	20.5	45.6	34.9	33.6
100 to 499 lb	11.6	13.8	18.0	12.3	13.6	14.8	16.0	23.2	25.8	25.8
500 to 749 lb	9.6	13.1	18.7	14.8	12.3	15.0	14.3	31.4	36.3	37.4
750 to 999 lb	12.6	13.3	12.3	15.3	13.0	15.6	18.4	36.1	41.6	42.3
1,000 to 9,999 lb	10.4	11.8	10.1	8.7	13.5	15.6	12.0	16.1	17.6	18.1
10,000 to 49,999 lb	24.5	11.3	10.5	7.3	30.4	16.8	12.9	S	24.0	26.2
50,000 to 99,999 lb	40.5	30.4	26.8	17.2	S	S	S	S	S	47.1
100,000 lb or more	24.3	25.1	22.6	10.7	S	49.1	S	47.9	47.9	47.8
SCTG 08, Alcoholic beverages	**10.2**	**15.2**	**31.3**	**8.5**	**7.0**	**10.2**	**11.4**	**21.3**	**22.8**	**23.2**
Less than 50 lb	26.4	13.7	22.2	8.6	29.1	13.5	16.5	41.1	37.6	41.1
50 to 99 lb	12.6	8.6	11.2	11.3	14.4	9.7	12.9	23.5	19.2	20.1
100 to 499 lb	9.6	11.0	7.1	7.1	10.9	11.9	10.2	22.9	18.1	16.6
500 to 749 lb	9.1	8.5	7.8	7.4	9.7	9.3	10.4	22.7	21.9	21.5
750 to 999 lb	13.0	11.3	11.9	19.4	13.7	12.3	12.5	33.5	24.4	25.2
1,000 to 9,999 lb	7.5	9.4	13.0	11.5	8.7	10.5	10.6	22.3	19.5	19.5
10,000 to 49,999 lb	26.4	28.7	32.3	19.9	20.8	22.7	28.9	46.9	33.9	34.9
50,000 to 99,999 lb	27.2	25.7	34.9	30.7	40.3	41.4	S	S	S	S
100,000 lb or more	S	S	S	21.3	S	S	S	–	–	–
SCTG 09, Tobacco products	**34.3**	**35.0**	**34.6**	**17.9**	**27.9**	**34.7**	**29.6**	**S**	**49.1**	**49.1**
Less than 50 lb	26.3	26.4	44.1	19.0	24.8	24.1	25.8	47.2	46.9	44.1
50 to 99 lb	31.3	28.9	38.7	12.9	28.3	27.0	30.1	40.3	35.0	33.1
100 to 499 lb	43.7	39.2	S	18.8	28.4	29.8	34.9	S	S	S
500 to 749 lb	33.7	36.8	49.6	20.1	42.0	41.7	45.2	31.7	42.1	47.0
750 to 999 lb	S	S	S	24.9	S	S	S	S	S	S
1,000 to 9,999 lb	28.3	40.4	49.5	S	30.1	44.2	35.3	45.6	44.3	44.0
10,000 to 49,999 lb	S	S	S	22.4	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**48.4**	**42.7**	**S**	**17.5**	**40.1**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.1	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	49.6	S	21.8	S	48.6	S	S	S	S
500 to 749 lb	S	S	S	20.9	S	S	S	–	–	–
750 to 999 lb	S	S	S	20.4	S	S	S	S	S	S
1,000 to 9,999 lb	45.1	41.9	35.7	25.9	47.3	46.0	38.8	S	S	S
10,000 to 49,999 lb	S	44.9	S	26.4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	20.4	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**16.3**	**24.9**	**22.7**	**S**	**22.2**	**29.4**	**21.1**	**22.1**	**40.4**	**40.9**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	32.0	S	S	S	–	–	–
100 to 499 lb	S	37.8	S	35.2	S	41.1	S	S	S	S
500 to 749 lb	48.1	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	22.3	S	S	S	–	–	–
1,000 to 9,999 lb	36.7	39.8	39.5	S	35.2	47.7	S	S	S	S
10,000 to 49,999 lb	22.5	38.0	17.1	S	33.7	41.7	32.1	33.0	S	S
50,000 to 99,999 lb	22.3	27.6	26.8	30.5	22.9	25.4	22.4	30.0	S	S
100,000 lb or more	44.0	36.7	39.5	22.6	39.8	33.3	40.7	S	S	S
SCTG 12, Gravel and crushed stone	**14.8**	**15.4**	**12.7**	**14.0**	**21.5**	**20.5**	**25.2**	**16.8**	**20.6**	**19.8**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	35.0	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	46.6	S	22.9	S	45.2	S	S	S	S
750 to 999 lb	S	S	45.5	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.1	34.3	22.9	39.7	35.4	39.7	44.3	S	35.0	34.9
10,000 to 49,999 lb	23.7	19.3	18.7	12.3	29.7	22.9	26.3	22.4	27.0	24.9
50,000 to 99,999 lb	15.0	17.0	17.7	11.7	20.8	23.2	30.1	19.4	24.1	23.4
100,000 lb or more	19.0	21.4	18.1	16.1	35.1	36.2	33.4	46.8	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**9.5**	**38.4**	**39.3**	**31.2**	**22.6**	**S**	**S**	**25.5**	**46.7**	**39.9**
Less than 50 lb	42.3	40.2	S	21.0	S	50.0	S	S	S	S
50 to 99 lb	41.8	36.9	S	S	S	42.0	46.9	S	S	S
100 to 499 lb	36.0	27.0	S	22.6	S	29.5	31.0	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	46.6	34.5	S	22.3	S	49.1	S	–	–	–
1,000 to 9,999 lb	25.3	36.9	39.9	S	32.0	44.2	47.2	S	44.5	42.3
10,000 to 49,999 lb	15.1	S	29.1	S	29.6	S	S	20.6	47.1	43.5
50,000 to 99,999 lb	22.5	S	35.1	28.1	40.4	S	S	32.5	S	S
100,000 lb or more	24.1	39.3	49.1	10.7	38.3	43.0	45.6	S	47.9	43.4

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
SCTG 14, Metallic ores and concentrates	**40.0**	**S**	**38.5**	**30.5**	**S**	**S**	**S**	**S**	**44.4**	**42.2**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	49.0	S	S	S	S	S	S	S	S	S
100 to 499 lb	38.3	45.7	47.1	41.8	S	S	S	S	S	S
500 to 749 lb	S	S	48.5	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	29.2	S	S	S	–	–	–
1,000 to 9,999 lb	48.5	S	42.4	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	38.3	19.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	37.9	S	S	S	–	–	–
100,000 lb or more	S	S	42.8	18.9	S	S	S	–	–	–
SCTG 15, Coal	**17.7**	**19.9**	**16.6**	**34.5**	**19.2**	**20.5**	**17.0**	**40.1**	**40.9**	**46.5**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	S	S	22.4	S	S	S	–	–	–
500 to 749 lb	S	S	S	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.4	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	26.8	S	S	S	–	–	–
10,000 to 49,999 lb	25.3	30.4	S	21.4	34.3	33.4	35.5	S	S	S
50,000 to 99,999 lb	28.7	34.6	26.4	33.2	34.1	38.5	37.1	S	S	S
100,000 lb or more	20.5	21.3	20.6	S	21.4	21.7	21.0	44.0	40.5	48.5
SCTG 17, Gasoline and aviation turbine fuel	**5.8**	**16.3**	**29.9**	**8.8**	**9.7**	**19.1**	**13.8**	**17.3**	**19.7**	**17.2**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	28.9	32.7	30.1	S	29.2	32.8	30.1	S	S	S
100 to 499 lb	29.7	34.1	30.6	17.9	30.2	34.4	31.9	S	S	S
500 to 749 lb	S	30.7	47.7	21.5	S	31.9	S	S	S	S
750 to 999 lb	32.6	31.2	37.3	21.4	36.6	35.3	37.4	S	S	S
1,000 to 9,999 lb	20.2	17.6	22.7	14.3	22.2	19.3	31.6	27.3	25.9	27.7
10,000 to 49,999 lb	13.7	15.8	22.6	41.0	15.3	16.9	13.9	28.0	27.7	29.5
50,000 to 99,999 lb	7.6	7.5	17.4	16.9	8.7	8.8	9.8	14.7	14.8	14.2
100,000 lb or more	8.0	19.2	30.9	18.1	14.7	23.5	21.1	S	49.3	43.4
SCTG 18, Fuel oils	**14.4**	**15.8**	**18.5**	**6.6**	**20.5**	**22.0**	**30.7**	**25.4**	**32.8**	**38.1**
Less than 50 lb	S	46.2	S	25.5	S	46.5	S	S	S	S
50 to 99 lb	S	41.2	42.7	49.1	S	43.2	46.0	S	S	S
100 to 499 lb	30.0	19.7	20.4	13.2	30.2	19.7	21.2	S	S	S
500 to 749 lb	38.5	19.1	33.6	27.9	40.4	21.1	24.6	S	S	S
750 to 999 lb	43.1	20.1	31.7	15.9	43.9	21.0	26.7	S	S	S
1,000 to 9,999 lb	18.1	19.2	17.6	7.4	19.3	20.8	21.6	26.9	19.0	17.5
10,000 to 49,999 lb	28.7	30.0	25.8	16.8	35.0	36.5	46.9	46.3	48.3	48.2
50,000 to 99,999 lb	21.2	19.6	23.4	20.6	24.0	22.0	21.6	21.9	22.4	22.8
100,000 lb or more	17.6	18.4	19.8	16.2	26.1	26.3	37.0	47.2	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**9.0**	**10.5**	**11.4**	**16.8**	**13.0**	**14.3**	**17.1**	**21.3**	**26.3**	**30.3**
Less than 50 lb	36.2	24.7	S	26.5	46.0	28.4	S	43.6	44.5	43.6
50 to 99 lb	31.8	27.8	S	18.9	31.0	27.4	25.0	S	S	S
100 to 499 lb	27.1	32.6	S	18.3	26.1	34.3	33.6	47.8	S	49.7
500 to 749 lb	30.8	S	39.3	34.2	39.5	S	S	46.1	34.0	32.3
750 to 999 lb	28.3	38.8	S	24.6	33.5	45.0	47.0	46.9	41.3	40.5
1,000 to 9,999 lb	24.0	27.8	S	18.0	26.9	27.0	36.1	34.9	36.1	35.3
10,000 to 49,999 lb	13.9	30.0	29.3	18.1	16.7	48.9	S	15.1	17.3	17.2
50,000 to 99,999 lb	19.8	21.3	26.0	13.9	30.5	28.7	33.5	41.5	33.5	35.1
100,000 lb or more	11.7	11.0	13.5	10.9	16.0	15.8	17.9	32.3	32.7	36.7
SCTG 20, Basic chemicals	**24.3**	**13.7**	**21.5**	**12.6**	**19.3**	**10.5**	**11.7**	**13.6**	**13.2**	**14.0**
Less than 50 lb	26.7	28.7	34.8	28.3	30.3	32.7	44.2	43.5	36.6	39.3
50 to 99 lb	28.4	47.2	47.7	S	37.4	S	S	S	S	S
100 to 499 lb	29.1	40.3	31.4	S	34.5	42.7	S	31.6	33.5	35.0
500 to 749 lb	31.9	44.6	46.2	29.1	39.6	48.4	S	31.0	44.6	42.9
750 to 999 lb	49.7	S	43.7	40.3	S	S	S	31.1	37.4	39.2
1,000 to 9,999 lb	36.5	27.2	S	10.1	27.7	27.0	21.5	19.8	21.5	21.7
10,000 to 49,999 lb	37.4	24.2	40.8	8.7	33.5	24.9	27.1	17.6	31.3	33.8
50,000 to 99,999 lb	23.0	14.3	21.2	14.0	30.7	16.7	16.0	36.9	21.1	21.1
100,000 lb or more	19.6	12.3	18.4	3.9	20.5	11.3	14.8	19.2	18.0	19.1
SCTG 21, Pharmaceutical products	**9.8**	**17.4**	**22.1**	**11.2**	**13.2**	**23.3**	**19.8**	**20.4**	**27.9**	**27.6**
Less than 50 lb	13.2	16.1	20.1	11.2	15.6	22.7	15.2	27.0	24.8	26.5
50 to 99 lb	17.4	17.2	25.8	15.4	32.6	22.0	28.4	29.0	25.2	25.9
100 to 499 lb	21.5	16.4	28.7	15.9	33.7	17.2	15.9	25.5	29.4	27.4
500 to 749 lb	30.4	26.4	35.4	36.2	49.2	40.9	46.7	S	S	S
750 to 999 lb	S	25.1	S	26.5	37.3	35.8	45.2	S	S	44.6
1,000 to 9,999 lb	21.7	24.4	19.9	32.1	25.1	29.8	27.5	S	S	S
10,000 to 49,999 lb	21.8	28.0	26.5	8.2	S	S	S	34.9	44.1	44.4
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
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
SCTG 22, Fertilizers	**19.6**	**14.9**	**20.8**	**21.5**	**31.2**	**24.0**	**20.1**	**17.6**	**17.1**	**17.4**
Less than 50 lb	44.8	47.6	49.0	28.3	S	S	38.6	S	S	S
50 to 99 lb	43.5	S	48.5	40.4	48.6	S	44.0	S	S	S
100 to 499 lb	36.4	S	27.7	S	43.4	S	31.0	S	S	S
500 to 749 lb	24.8	27.4	48.5	31.5	29.3	32.7	38.4	S	S	S
750 to 999 lb	23.9	36.1	29.2	S	34.0	49.5	49.2	S	S	S
1,000 to 9,999 lb	21.4	23.4	21.2	S	23.2	24.9	31.2	33.4	37.8	35.2
10,000 to 49,999 lb	36.0	12.7	22.5	16.6	S	18.5	23.3	23.7	22.0	22.7
50,000 to 99,999 lb	23.6	27.1	21.4	9.3	33.8	43.6	S	20.9	21.7	21.8
100,000 lb or more	27.6	23.6	23.9	7.0	S	S	30.1	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.0**	**16.6**	**9.9**	**10.3**	**18.8**	**15.7**	**13.3**	**21.0**	**20.7**
Less than 50 lb	14.5	12.1	18.4	12.1	12.8	13.1	14.6	25.1	17.3	17.1
50 to 99 lb	13.5	13.5	16.1	16.8	17.2	16.9	16.8	17.2	24.7	24.8
100 to 499 lb	9.4	11.2	14.2	13.4	11.6	13.9	12.8	17.8	16.1	15.4
500 to 749 lb	12.1	11.2	14.6	12.4	14.7	18.0	15.6	25.2	28.4	26.6
750 to 999 lb	16.6	15.8	15.3	12.4	21.3	19.7	29.6	35.8	35.7	35.8
1,000 to 9,999 lb	10.1	9.5	17.2	8.8	15.2	10.4	13.0	16.1	22.3	21.3
10,000 to 49,999 lb	17.4	13.9	23.4	10.8	12.6	17.7	23.5	22.8	30.6	29.9
50,000 to 99,999 lb	30.7	28.6	28.3	S	42.2	40.9	S	35.7	36.2	36.7
100,000 lb or more	25.7	26.0	15.8	9.7	S	S	48.6	S	S	S
SCTG 24, Plastics and rubber	**4.9**	**7.3**	**9.3**	**6.0**	**7.8**	**13.4**	**17.5**	**10.9**	**15.5**	**15.9**
Less than 50 lb	14.2	16.1	25.6	10.2	15.5	15.5	14.4	19.1	16.2	17.6
50 to 99 lb	15.9	17.5	16.5	8.3	13.8	15.3	13.6	25.1	18.3	17.2
100 to 499 lb	8.9	10.3	10.6	6.5	11.8	14.9	13.8	19.6	15.6	15.4
500 to 749 lb	10.0	12.6	11.8	15.0	18.4	21.6	22.5	19.6	21.1	20.6
750 to 999 lb	17.1	13.0	12.9	13.8	22.9	25.4	32.4	S	29.4	31.9
1,000 to 9,999 lb	8.8	12.3	13.5	3.8	11.4	10.8	13.9	12.1	16.3	16.7
10,000 to 49,999 lb	7.6	12.8	13.7	6.5	17.0	28.4	34.1	14.1	19.1	19.2
50,000 to 99,999 lb	24.1	22.0	48.8	25.8	32.9	28.4	31.6	45.5	47.1	45.2
100,000 lb or more	8.3	9.9	10.2	3.8	20.9	21.0	28.6	29.7	30.1	30.0
SCTG 25, Logs and other wood in the rough	**20.0**	**30.4**	**40.2**	**S**	**24.5**	**34.5**	**33.4**	**30.2**	**38.4**	**37.5**
Less than 50 lb	49.8	S	S	20.3	S	S	S	–	–	–
50 to 99 lb	S	S	S	35.4	S	S	S	–	–	–
100 to 499 lb	41.1	49.4	S	S	49.1	S	S	S	S	S
500 to 749 lb	30.6	S	49.3	30.6	36.7	S	S	S	S	S
750 to 999 lb	S	S	44.7	27.2	S	S	S	S	S	S
1,000 to 9,999 lb	25.9	S	38.9	S	30.4	S	46.9	39.8	42.2	41.1
10,000 to 49,999 lb	26.2	24.3	19.9	43.9	20.6	29.3	35.2	35.7	36.8	35.2
50,000 to 99,999 lb	23.4	30.8	25.2	S	29.8	39.7	35.9	38.1	41.9	41.3
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**20.0**	**33.1**	**36.9**	**14.3**	**11.2**	**25.9**	**29.8**	**12.5**	**33.4**	**31.7**
Less than 50 lb	37.6	30.6	S	14.1	25.5	19.9	26.2	43.5	37.3	38.6
50 to 99 lb	16.8	15.4	24.7	28.1	23.2	18.0	26.7	36.3	31.5	32.0
100 to 499 lb	26.1	21.0	33.9	9.8	18.5	16.5	17.7	29.8	19.1	18.0
500 to 749 lb	15.7	22.1	22.0	25.2	19.7	19.9	16.8	49.5	S	S
750 to 999 lb	22.9	20.8	29.5	37.5	21.5	19.5	26.3	35.3	37.4	37.1
1,000 to 9,999 lb	16.2	14.4	17.5	15.2	15.4	16.4	13.3	13.8	15.2	15.6
10,000 to 49,999 lb	19.2	35.3	29.4	6.9	16.9	31.7	29.7	15.4	27.9	25.8
50,000 to 99,999 lb	13.7	29.8	24.1	14.1	23.9	S	S	18.8	43.5	43.7
100,000 lb or more	46.1	44.0	46.5	13.0	33.3	S	S	48.7	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.8**	**7.0**	**6.9**	**8.7**	**29.8**	**15.2**	**15.6**	**9.3**	**13.1**	**15.4**
Less than 50 lb	17.3	12.4	25.8	19.6	19.6	13.6	13.3	39.4	25.7	25.3
50 to 99 lb	17.5	22.3	26.8	22.5	20.9	25.2	22.2	24.5	23.2	23.7
100 to 499 lb	18.6	19.3	37.1	18.0	18.6	19.9	15.0	32.6	34.6	33.8
500 to 749 lb	16.5	14.8	26.9	14.1	19.3	18.4	24.0	37.0	28.5	27.0
750 to 999 lb	24.2	24.4	46.6	26.5	30.1	25.8	20.5	47.2	46.1	S
1,000 to 9,999 lb	12.6	10.3	31.6	27.9	13.3	14.4	13.6	21.1	18.6	19.7
10,000 to 49,999 lb	17.4	7.2	7.2	6.1	49.4	23.9	24.4	14.0	15.3	15.7
50,000 to 99,999 lb	23.4	23.5	25.9	19.4	36.5	46.5	44.9	44.9	38.2	41.1
100,000 lb or more	11.0	13.8	12.0	5.0	40.8	42.8	43.0	26.0	31.8	37.3
SCTG 28, Paper or paperboard articles	**8.0**	**8.3**	**11.0**	**18.4**	**11.4**	**13.0**	**11.0**	**13.5**	**19.4**	**19.2**
Less than 50 lb	20.9	17.2	34.5	22.9	19.3	17.5	22.7	23.9	31.2	30.1
50 to 99 lb	19.9	22.7	S	20.4	19.9	19.0	26.1	49.2	S	49.6
100 to 499 lb	16.0	14.0	33.5	22.5	18.4	17.8	18.6	24.1	23.0	21.6
500 to 749 lb	18.4	16.9	21.9	17.2	21.6	21.6	40.3	39.7	24.0	24.5
750 to 999 lb	31.4	21.8	31.6	22.5	41.2	27.5	30.0	18.9	17.4	17.5
1,000 to 9,999 lb	14.9	17.0	12.7	15.2	19.9	25.3	17.0	16.4	21.1	20.7
10,000 to 49,999 lb	9.5	8.6	11.7	8.2	11.4	9.4	11.3	22.8	27.0	26.0
50,000 to 99,999 lb	45.4	47.7	S	17.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	19.5	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 29, Printed products	**6.8**	**21.7**	**17.9**	**14.0**	**10.1**	**28.3**	**18.2**	**17.1**	**22.3**	**22.3**
Less than 50 lb	17.7	28.3	28.6	15.1	20.5	38.3	S	48.9	S	S
50 to 99 lb	10.9	18.6	19.9	14.5	19.8	31.1	34.5	23.5	26.0	26.1
100 to 499 lb	13.0	9.8	16.5	12.6	10.7	15.3	10.9	27.2	21.3	22.0
500 to 749 lb	17.7	37.2	16.2	S	20.8	46.2	18.3	38.4	32.1	31.6
750 to 999 lb	20.9	45.8	14.1	37.5	31.7	S	35.9	30.2	37.0	37.2
1,000 to 9,999 lb	14.6	16.3	13.9	25.4	19.4	20.4	34.2	16.9	18.0	18.4
10,000 to 49,999 lb	15.4	13.5	25.0	19.5	11.6	13.1	20.0	S	S	S
50,000 to 99,999 lb	47.8	S	S	21.5	S	S	S	S	S	S
100,000 lb or more	S	S	49.4	S	S	S	46.2	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**27.1**	**39.9**	**22.4**	**5.4**	**35.8**	**46.4**	**36.7**	**33.2**	**24.7**	**23.6**
Less than 50 lb	19.3	10.8	14.1	5.4	19.7	18.2	17.9	21.2	22.3	21.9
50 to 99 lb	15.8	13.2	19.7	8.0	40.3	17.4	22.4	48.5	32.0	34.1
100 to 499 lb	16.6	15.3	22.8	7.4	27.8	28.7	22.1	25.0	26.2	28.0
500 to 749 lb	35.9	18.9	19.1	18.4	35.4	42.8	35.9	29.2	39.5	36.6
750 to 999 lb	17.5	21.6	16.5	16.3	S	48.3	47.9	S	S	S
1,000 to 9,999 lb	44.3	33.2	19.4	13.2	S	48.3	49.5	S	45.3	42.1
10,000 to 49,999 lb	45.8	49.4	31.4	13.3	50.0	S	46.7	41.4	24.0	27.7
50,000 to 99,999 lb	S	S	S	35.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	29.5	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**5.2**	**9.9**	**8.5**	**14.0**	**9.1**	**15.1**	**12.1**	**10.3**	**26.7**	**25.1**
Less than 50 lb	33.3	S	30.5	18.8	S	S	S	26.8	29.9	29.8
50 to 99 lb	22.4	26.5	30.3	21.7	34.3	22.8	34.8	S	36.9	38.2
100 to 499 lb	21.4	24.4	20.7	27.2	25.1	24.0	32.9	18.0	23.9	24.8
500 to 749 lb	20.8	21.5	25.3	29.5	24.1	18.1	25.9	32.7	43.4	44.3
750 to 999 lb	28.1	17.1	25.1	28.5	40.8	18.9	26.7	S	41.2	42.7
1,000 to 9,999 lb	10.7	7.6	18.4	14.0	10.3	10.6	11.5	17.7	28.9	28.3
10,000 to 49,999 lb	7.0	11.9	10.3	13.0	14.0	17.2	14.1	14.8	39.7	38.6
50,000 to 99,999 lb	7.9	16.7	11.3	14.6	14.4	28.7	15.2	13.3	13.6	14.0
100,000 lb or more	13.1	19.9	20.6	22.0	26.4	29.0	36.7	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.4**	**22.5**	**14.5**	**12.1**	**16.8**	**30.6**	**20.2**	**9.7**	**13.1**	**12.3**
Less than 50 lb	19.2	18.2	12.7	13.7	29.6	23.1	21.2	21.8	20.4	17.0
50 to 99 lb	22.6	18.2	22.8	34.6	37.8	25.2	25.7	45.7	32.4	34.1
100 to 499 lb	14.7	14.6	24.6	20.5	15.4	22.3	16.3	19.4	14.1	14.2
500 to 749 lb	17.3	13.5	23.7	15.6	12.6	18.5	22.5	45.8	24.3	24.6
750 to 999 lb	15.2	11.0	20.2	14.4	18.5	17.0	23.1	21.7	20.3	20.4
1,000 to 9,999 lb	9.6	16.5	16.3	13.2	16.6	27.0	22.4	16.0	12.6	12.8
10,000 to 49,999 lb	8.0	9.5	8.6	5.1	12.7	14.1	13.0	12.6	12.2	12.0
50,000 to 99,999 lb	30.5	33.1	31.0	46.9	40.3	42.5	S	S	47.3	46.5
100,000 lb or more	35.8	48.9	21.6	18.9	S	S	S	S	S	S
SCTG 33, Articles of base metal	**5.6**	**14.4**	**17.2**	**10.4**	**7.7**	**14.7**	**14.7**	**11.6**	**33.3**	**35.7**
Less than 50 lb	9.1	7.5	12.5	12.3	13.5	10.4	11.5	14.4	11.1	11.5
50 to 99 lb	13.5	10.3	21.5	11.6	18.5	11.8	12.5	25.0	21.8	21.8
100 to 499 lb	8.6	9.1	15.7	12.1	11.3	12.0	11.4	23.6	14.6	14.3
500 to 749 lb	14.0	10.1	14.6	12.6	16.4	16.6	17.8	43.5	15.0	15.0
750 to 999 lb	19.1	13.4	31.7	14.2	29.0	19.5	19.7	27.7	24.1	25.6
1,000 to 9,999 lb	8.2	8.4	6.9	5.7	12.3	11.5	9.8	19.6	17.4	17.6
10,000 to 49,999 lb	8.3	19.1	23.3	6.6	10.9	27.1	26.9	22.4	27.0	28.6
50,000 to 99,999 lb	42.4	31.4	37.8	16.4	19.5	19.2	21.9	S	S	S
100,000 lb or more	22.7	23.0	42.6	16.4	32.4	28.7	25.0	S	S	S
SCTG 34, Machinery	**8.2**	**9.2**	**10.2**	**9.9**	**12.3**	**18.1**	**26.2**	**21.5**	**35.8**	**36.7**
Less than 50 lb	10.0	10.1	15.7	11.1	11.1	13.6	13.1	15.1	24.2	17.2
50 to 99 lb	11.9	16.4	15.5	14.1	20.9	23.9	35.3	27.9	20.3	18.9
100 to 499 lb	7.9	7.1	13.7	10.5	12.3	11.2	13.4	26.4	18.1	18.6
500 to 749 lb	9.9	10.7	17.0	12.4	20.1	19.1	16.8	33.6	24.0	25.1
750 to 999 lb	21.8	17.2	28.9	10.2	29.0	24.5	26.0	23.9	24.0	24.2
1,000 to 9,999 lb	15.6	17.4	11.3	7.3	30.0	37.3	S	S	28.6	27.3
10,000 to 49,999 lb	16.1	15.4	17.7	9.0	18.3	22.4	26.3	26.0	S	S
50,000 to 99,999 lb	23.0	20.7	30.1	18.0	32.6	31.2	35.1	S	S	S
100,000 lb or more	33.6	28.3	39.6	14.8	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**17.6**	**18.8**	**16.7**	**7.3**	**33.0**	**28.8**	**43.3**	**26.7**	**40.8**	**44.8**
Less than 50 lb	14.6	6.5	9.9	7.0	16.0	8.7	12.7	30.9	16.9	15.0
50 to 99 lb	34.5	18.7	31.1	9.8	40.3	12.6	18.5	44.3	22.3	20.9
100 to 499 lb	31.5	24.9	41.2	10.2	26.5	14.6	16.9	24.1	36.8	38.1
500 to 749 lb	29.4	38.4	24.8	13.6	49.2	21.0	19.5	44.7	28.4	30.1
750 to 999 lb	25.2	37.9	43.2	14.0	34.8	21.5	35.4	S	44.9	44.3
1,000 to 9,999 lb	24.0	27.1	22.1	9.3	S	34.2	42.9	S	S	S
10,000 to 49,999 lb	43.3	19.1	12.4	12.4	S	S	S	S	S	S
50,000 to 99,999 lb	49.1	S	S	18.4	S	S	S	S	S	S
100,000 lb or more	39.5	27.1	32.1	20.1	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)	**11.4**	**12.7**	**15.5**	**14.2**	**10.0**	**14.2**	**29.1**	**40.7**	**44.8**	**43.9**
Less than 50 lb	12.2	13.7	17.2	16.7	14.2	15.6	15.2	19.0	24.4	22.8
50 to 99 lb	19.8	16.7	14.8	13.7	19.6	20.5	20.0	17.9	25.0	24.6
100 to 499 lb	18.0	15.4	15.8	11.6	19.6	22.1	21.9	14.9	18.9	16.2
500 to 749 lb	33.8	15.9	20.9	18.3	34.9	27.4	26.9	21.5	27.6	26.9
750 to 999 lb	27.3	24.9	27.4	28.4	42.3	28.7	37.9	S	40.5	43.9
1,000 to 9,999 lb	24.3	17.3	37.4	12.4	18.3	19.2	21.9	21.2	30.3	29.2
10,000 to 49,999 lb	26.9	27.7	11.6	12.7	32.0	36.5	S	S	S	S
50,000 to 99,999 lb	S	44.9	S	18.0	S	39.7	48.3	S	S	S
100,000 lb or more	39.1	47.2	S	35.7	45.1	43.6	41.8	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**9.0**	**26.9**	**39.8**	**11.4**	**26.3**	**40.9**	**42.7**	**34.0**	**S**	**S**
Less than 50 lb	19.5	S	48.1	12.9	28.9	27.2	34.3	S	S	S
50 to 99 lb	S	29.8	29.1	22.5	46.6	S	35.1	S	S	S
100 to 499 lb	21.9	25.2	25.6	24.4	34.1	42.7	34.7	S	46.5	44.6
500 to 749 lb	28.3	18.7	21.0	13.8	S	36.9	38.0	S	S	S
750 to 999 lb	S	38.8	41.9	16.2	S	S	S	–	–	–
1,000 to 9,999 lb	20.4	31.9	27.1	26.0	S	48.4	S	S	S	S
10,000 to 49,999 lb	29.9	40.6	37.3	36.7	44.8	48.2	46.9	S	S	S
50,000 to 99,999 lb	S	S	S	29.4	S	S	S	–	–	–
100,000 lb or more	48.1	49.2	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**47.3**	**20.0**	**34.0**	**9.0**	**23.6**	**22.7**	**26.9**	**28.5**	**20.7**	**21.0**
Less than 50 lb	S	S	S	8.9	18.3	30.7	25.7	45.1	26.7	24.6
50 to 99 lb	16.3	23.4	16.1	21.9	27.4	38.8	48.8	S	45.7	48.0
100 to 499 lb	32.7	29.2	15.9	26.7	S	39.0	45.0	38.6	30.6	38.9
500 to 749 lb	27.5	27.3	20.1	28.3	36.9	42.4	S	S	S	S
750 to 999 lb	31.5	30.7	47.6	15.8	33.0	35.2	48.1	S	S	S
1,000 to 9,999 lb	21.5	20.7	22.2	15.4	30.6	36.1	41.3	S	S	S
10,000 to 49,999 lb	29.2	33.3	45.9	16.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**33.9**	**29.0**	**15.1**	**9.6**	**28.8**	**41.4**	**S**	**S**	**S**	**S**
Less than 50 lb	28.8	26.0	S	12.4	25.7	17.9	17.2	28.0	28.9	29.0
50 to 99 lb	28.5	22.5	29.3	10.6	32.5	31.7	32.9	25.8	20.2	19.5
100 to 499 lb	34.6	17.3	24.3	10.8	34.4	23.1	26.2	26.1	33.2	32.0
500 to 749 lb	29.5	15.9	16.7	8.7	36.0	24.9	24.0	34.7	49.6	S
750 to 999 lb	19.4	21.0	20.6	9.1	37.1	41.5	S	23.3	18.9	19.1
1,000 to 9,999 lb	S	44.6	18.6	10.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	36.3	25.4	16.8	43.6	31.6	28.8	47.6	35.9	36.7
50,000 to 99,999 lb	S	S	S	22.0	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**17.0**	**10.4**	**12.5**	**8.3**	**11.6**	**22.2**	**19.0**	**24.2**	**26.2**	**27.6**
Less than 50 lb	44.6	15.9	25.1	8.8	21.9	17.9	15.1	17.4	24.9	26.8
50 to 99 lb	12.0	10.1	9.3	9.5	16.3	15.0	17.2	26.9	27.0	26.8
100 to 499 lb	10.1	9.2	11.6	7.4	12.9	11.5	12.0	13.8	16.1	16.7
500 to 749 lb	11.5	10.7	12.7	8.7	16.0	14.6	13.9	46.9	33.3	33.9
750 to 999 lb	15.4	20.3	17.5	11.1	26.7	20.5	17.0	29.2	29.2	31.7
1,000 to 9,999 lb	11.1	13.4	13.5	9.9	17.7	21.0	26.1	21.6	25.1	24.6
10,000 to 49,999 lb	13.5	12.4	14.4	8.2	17.1	31.1	28.6	S	40.3	46.2
50,000 to 99,999 lb	16.8	31.3	22.5	26.5	44.8	S	48.7	35.2	49.2	43.6
100,000 lb or more	33.3	23.4	28.9	15.6	47.3	49.7	S	S	S	S
SCTG 41, Waste and scrap	**12.8**	**14.8**	**13.0**	**15.3**	**22.1**	**23.4**	**23.0**	**18.6**	**27.6**	**33.3**
Less than 50 lb	S	S	S	22.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.0	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	27.6	S	S	S	S	S	S
750 to 999 lb	S	S	S	22.1	S	S	S	–	–	–
1,000 to 9,999 lb	41.6	S	43.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	13.4	20.0	16.6	16.5	23.5	31.3	29.0	23.9	25.1	28.8
50,000 to 99,999 lb	23.2	30.8	26.1	40.1	30.4	44.8	S	43.2	S	S
100,000 lb or more	20.1	17.1	18.6	13.4	44.5	33.7	S	43.7	44.9	44.1
SCTG 43, Mixed freight	**23.4**	**19.0**	**23.1**	**12.3**	**14.0**	**13.8**	**15.4**	**23.2**	**20.5**	**19.8**
Less than 50 lb	27.4	27.3	25.3	29.3	31.7	31.8	30.1	S	S	S
50 to 99 lb	26.4	21.3	32.7	18.8	32.9	22.4	24.3	49.1	37.4	38.4
100 to 499 lb	16.0	16.9	21.1	11.1	17.0	17.0	16.8	20.0	21.7	21.0
500 to 749 lb	19.4	18.6	22.7	18.5	25.0	21.8	22.2	27.5	26.5	26.5
750 to 999 lb	16.5	20.3	28.2	9.9	18.6	18.1	21.0	29.4	19.0	19.9
1,000 to 9,999 lb	18.3	14.2	19.9	14.8	15.2	16.2	20.0	13.2	14.2	14.3
10,000 to 49,999 lb	37.3	29.4	38.1	23.8	22.0	19.9	20.5	36.5	31.8	30.4
50,000 to 99,999 lb	S	S	S	20.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.4	–	–	–	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
Commodity unknown	**26.5**	**24.8**	**32.4**	**11.7**	**19.4**	**31.2**	**29.2**	**S**	**40.9**	**38.6**
Less than 50 lb	32.0	23.9	33.6	13.1	25.2	31.1	24.1	S	38.6	42.2
50 to 99 lb	38.6	26.2	32.8	S	S	30.7	43.0	S	S	S
100 to 499 lb	31.6	22.8	22.4	S	31.2	23.0	34.9	S	S	S
500 to 749 lb	41.7	27.6	28.5	39.3	42.3	36.5	49.6	S	S	S
750 to 999 lb	42.5	36.1	43.6	23.4	S	S	S	S	S	S
1,000 to 9,999 lb	28.0	32.3	41.8	21.5	S	30.8	S	S	46.7	44.9
10,000 to 49,999 lb	S	27.6	22.4	18.9	45.7	29.9	36.8	S	S	S
50,000 to 99,999 lb	S	48.7	47.4	31.9	S	S	S	S	S	S
100,000 lb or more	36.2	43.7	48.2	21.2	S	S	S	–	–	–

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**9.8**	**8.1**	**9.7**	**8.7**	**11.6**	**10.3**	**3.9**	**13.9**	**14.2**	**5.5**	**14.0**	**13.0**
Less than 50 lb	10.1	6.3	5.9	14.7	7.9	9.2	20.3	8.7	8.7	20.5	10.8	10.5
50 to 99 lb	10.0	10.7	10.8	8.5	10.9	10.5	11.9	9.3	9.1	7.7	8.7	8.9
100 to 499 lb	13.5	8.6	8.5	12.3	9.4	8.9	7.8	8.1	8.6	17.5	5.9	5.9
500 to 749 lb	13.4	10.2	11.6	20.5	15.8	14.9	18.8	7.8	7.8	16.9	8.3	8.2
750 to 999 lb	13.0	10.9	11.2	24.0	12.9	12.6	16.6	17.6	18.1	21.3	14.1	13.9
1,000 to 9,999 lb	12.7	4.9	5.1	15.8	8.9	8.8	10.3	7.5	7.2	14.1	10.2	10.5
10,000 to 49,999 lb	22.1	10.2	9.8	10.3	8.1	7.4	3.2	7.4	7.8	8.7	4.4	4.5
50,000 to 99,999 lb	23.0	8.2	7.4	20.4	17.8	16.3	34.5	18.0	18.2	27.1	20.2	20.8
100,000 lb or more	8.8	12.6	14.9	23.5	17.8	14.9	10.5	19.1	19.0	6.4	17.9	16.4
SCTG 01, Live animals and live fish	**39.3**	**44.9**	**45.9**	**27.7**	**29.7**	**30.2**	**41.0**	**41.4**	**40.9**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	43.8	41.8	42.5	S	S	S	–	–	–
10,000 to 49,999 lb	45.1	43.7	43.3	31.2	33.6	28.9	47.9	45.6	46.2	S	S	S
50,000 to 99,999 lb	41.9	41.0	41.3	42.5	40.4	41.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**27.1**	**26.9**	**25.1**	**23.0**	**26.9**	**24.0**	**27.8**	**30.5**	**29.7**	**42.9**	**41.7**	**42.3**
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	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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	41.4	29.2	30.3	49.6	S	S	42.1	43.0	42.2	50.0	S	S
50,000 to 99,999 lb	39.0	37.7	36.5	S	S	S	39.9	40.8	40.0	–	–	–
100,000 lb or more	45.7	42.4	46.4	37.2	40.1	35.5	30.0	32.0	30.9	43.6	45.7	45.8
SCTG 03, Other agricultural products	**37.3**	**S**	**S**	**31.2**	**36.5**	**39.8**	**30.9**	**35.9**	**39.0**	**29.5**	**35.7**	**35.1**
Less than 50 lb	34.2	49.2	S	S	42.1	44.8	S	46.3	45.5	S	S	S
50 to 99 lb	35.3	34.8	39.8	S	43.4	44.4	S	S	S	S	S	S
100 to 499 lb	30.9	30.7	32.4	39.0	45.8	43.6	S	S	S	S	48.3	49.4
500 to 749 lb	36.9	35.1	31.4	S	33.8	34.9	47.0	S	S	S	S	S
750 to 999 lb	48.8	S	S	39.7	40.3	40.6	S	S	S	S	S	S
1,000 to 9,999 lb	43.7	44.8	40.0	41.6	41.4	41.3	29.6	47.0	46.1	43.4	46.7	48.1
10,000 to 49,999 lb	27.3	30.1	30.3	35.4	33.4	31.6	36.5	S	S	37.0	34.4	33.4
50,000 to 99,999 lb	38.0	37.6	41.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**42.2**	**16.1**	**15.3**	**22.1**	**22.7**	**22.7**	**34.6**	**42.6**	**41.8**	**33.9**	**28.8**	**28.7**
Less than 50 lb	S	38.2	40.5	47.8	S	48.6	S	S	S	S	S	S
50 to 99 lb	S	S	S	43.6	36.8	34.7	S	S	S	–	–	–
100 to 499 lb	37.2	42.3	41.6	49.6	38.4	37.5	S	S	S	S	S	S
500 to 749 lb	39.7	45.3	48.3	S	S	S	S	40.8	41.3	S	S	S
750 to 999 lb	S	45.6	42.6	48.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.8	22.6	25.2	35.5	25.8	27.3	S	38.3	37.2	33.2	39.6	40.3
10,000 to 49,999 lb	S	20.8	20.8	29.2	28.9	29.0	28.7	34.5	33.5	27.6	27.7	27.0
50,000 to 99,999 lb	27.2	29.2	25.5	23.0	22.4	23.7	36.6	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	48.9	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**9.0**	**8.2**	**8.2**	**18.8**	**19.3**	**18.3**	**15.0**	**15.7**	**15.8**	**19.4**	**15.2**	**15.5**
Less than 50 lb	S	41.8	42.8	S	46.6	44.9	S	S	S	S	S	S
50 to 99 lb	38.5	31.6	33.5	S	S	S	S	46.1	45.5	S	S	S
100 to 499 lb	18.8	19.1	20.6	35.9	36.2	33.3	S	S	S	S	41.6	41.8
500 to 749 lb	24.6	27.7	29.3	S	S	S	S	S	S	S	40.8	40.5
750 to 999 lb	27.3	24.7	25.7	S	36.8	39.7	35.2	29.1	29.8	S	S	S
1,000 to 9,999 lb	13.3	14.7	14.6	21.5	25.9	24.2	24.7	28.9	28.1	46.1	29.1	29.6
10,000 to 49,999 lb	13.1	11.3	11.5	20.8	21.2	20.2	16.1	16.4	16.6	20.4	16.2	16.7
50,000 to 99,999 lb	S	S	S	S	48.2	48.2	37.0	33.1	33.4	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**42.8**	**20.9**	**21.5**	**35.2**	**37.0**	**32.8**	**20.8**	**11.8**	**12.1**	**14.9**	**14.0**	**14.6**
Less than 50 lb	S	35.3	36.4	49.6	S	S	S	S	S	S	S	S
50 to 99 lb	35.6	41.8	42.7	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	35.6	39.1	S	48.6	49.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	49.8	49.9	36.2	41.6	42.2
1,000 to 9,999 lb	S	36.1	36.1	S	39.5	39.7	S	43.4	47.2	27.5	31.8	32.3
10,000 to 49,999 lb	S	26.2	23.2	22.7	47.2	43.5	13.3	15.4	15.0	14.4	16.3	16.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	40.2	38.8	30.9	29.9	27.6	28.7	28.7	29.7	32.4	21.7	22.2

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**38.0**	**14.0**	**12.0**	**11.3**	**12.5**	**12.8**	**11.4**	**12.8**	**13.6**	**16.6**	**12.2**	**12.1**
Less than 50 lb	41.6	38.4	37.5	34.9	32.6	34.3	S	S	S	S	S	S
50 to 99 lb	47.2	S	S	40.8	34.7	36.3	S	S	S	41.8	S	48.0
100 to 499 lb	26.0	42.8	38.2	23.9	29.3	27.8	S	S	S	S	S	S
500 to 749 lb	31.9	24.9	28.9	20.9	26.4	24.9	S	S	S	S	S	S
750 to 999 lb	22.4	32.2	29.0	30.6	27.4	26.4	49.4	42.4	44.4	S	S	S
1,000 to 9,999 lb	12.3	12.0	11.0	19.0	18.3	16.8	18.7	16.4	15.7	21.2	38.6	38.0
10,000 to 49,999 lb	49.6	18.2	16.1	13.9	13.7	13.7	12.2	14.2	14.7	19.6	12.6	12.4
50,000 to 99,999 lb	32.8	33.0	31.3	S	47.8	47.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	45.0	43.7	43.9	32.7	24.3	24.1	25.9	30.7	30.3
SCTG 08, Alcoholic beverages	**25.6**	**31.6**	**34.1**	**38.2**	**38.5**	**38.5**	**44.7**	**S**	**S**	**37.5**	**34.6**	**34.0**
Less than 50 lb	49.9	45.2	41.2	S	S	S	S	S	S	–	–	–
50 to 99 lb	37.5	28.5	31.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	15.8	12.8	12.5	S	S	S	S	S	S	S	S	S
500 to 749 lb	28.8	22.9	22.4	S	S	S	S	S	S	–	–	–
750 to 999 lb	21.7	26.0	28.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	30.8	42.0	38.2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.1	35.5	37.4	40.7	38.7	37.5	42.2	47.8	47.2	43.1	39.9	39.2
50,000 to 99,999 lb	36.5	33.8	36.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 09, Tobacco products	**47.5**	**S**	**S**	**S**	**44.0**	**43.1**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	48.1	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	47.7	41.7	45.4	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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**40.5**	**39.9**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	40.1	38.9	41.4	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**28.3**	**37.9**	**39.0**	**32.5**	**S**	**S**	**S**	**38.9**	**40.0**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	39.1	S	S	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	32.1	37.1	38.3	38.5	37.6	37.9	S	S	S	S	S	S
50,000 to 99,999 lb	26.9	29.7	32.0	S	S	S	S	S	49.7	–	–	–
100,000 lb or more	S	45.5	46.3	44.5	S	S	S	44.3	44.6	S	S	S
SCTG 12, Gravel and crushed stone	**17.4**	**18.7**	**15.9**	**29.4**	**28.3**	**27.2**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	42.6	46.0	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	21.1	33.2	30.0	35.4	35.3	34.5	S	S	S	–	–	–
50,000 to 99,999 lb	27.6	29.5	29.6	40.3	48.7	S	S	S	S	–	–	–
100,000 lb or more	24.3	26.3	20.3	46.9	39.9	38.9	S	S	S	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**15.8**	**37.6**	**S**	**30.8**	**12.0**	**13.7**	**30.3**	**S**	**S**	**22.1**	**30.6**	**32.1**
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	41.3	S	S	S	S	S
100 to 499 lb	S	S	S	47.4	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	31.6	29.4	28.0	44.0	35.3	37.3	S	S	S	S	S	S
10,000 to 49,999 lb	18.3	13.3	13.8	39.4	19.7	19.6	33.4	35.0	37.0	29.8	35.4	35.1
50,000 to 99,999 lb	21.3	18.3	18.0	35.4	30.0	30.2	S	44.8	45.3	S	S	S
100,000 lb or more	S	S	S	25.9	21.7	24.4	43.5	S	S	33.0	32.7	33.6

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**S**	**S**	**S**	**S**	**S**	**S**	**47.2**	**44.9**	**43.9**	**35.1**	**44.6**	**45.0**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	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	S	S	S	S	S	S	47.3	47.4	47.2
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	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	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**17.9**	**20.8**	**21.7**	**36.6**	**39.4**	**35.2**	**30.7**	**42.0**	**43.1**	**31.1**	**38.6**	**38.7**
Less than 50 lb	–	–	–	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	33.8	32.2	34.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	19.7	19.2	21.0	S	S	49.5	46.7	43.0	41.8	S	S	S
50,000 to 99,999 lb	23.7	26.4	26.6	44.2	44.1	47.3	S	S	S	S	S	S
100,000 lb or more	22.6	24.4	25.7	37.7	39.8	35.7	32.8	42.7	43.8	32.5	38.4	38.3
SCTG 18, Fuel oils	**26.9**	**24.4**	**25.1**	**32.7**	**33.5**	**37.8**	**35.6**	**35.8**	**33.7**	**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	–	–	–	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	46.5	41.5	45.8	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	37.0	36.6	32.0	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	28.0	27.0	27.8	S	S	S	S	S	S	S	S	S
100,000 lb or more	30.1	26.6	27.2	34.3	34.6	39.0	35.9	36.0	33.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.5**	**13.2**	**14.5**	**19.8**	**19.1**	**18.6**	**28.6**	**27.5**	**25.4**	**21.6**	**15.5**	**17.4**
Less than 50 lb	43.7	46.2	S	S	S	S	46.7	S	S	S	S	S
50 to 99 lb	S	49.5	48.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	45.9	S	46.5	39.1	36.1	43.2	S	S	49.9	46.5	45.3
500 to 749 lb	38.3	36.3	33.6	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	43.9	45.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	25.7	32.2	30.9	S	S	S	S	35.7	35.6
10,000 to 49,999 lb	12.3	15.0	14.3	17.6	16.1	16.7	S	S	S	29.0	23.3	23.0
50,000 to 99,999 lb	32.4	26.5	29.6	37.9	33.5	31.8	S	41.5	44.1	S	44.0	44.8
100,000 lb or more	19.3	22.1	23.5	29.9	24.9	23.7	33.3	21.6	20.6	27.8	19.9	23.1
SCTG 20, Basic chemicals	**11.8**	**14.4**	**16.0**	**S**	**39.7**	**35.2**	**10.8**	**15.3**	**16.8**	**13.8**	**23.2**	**25.6**
Less than 50 lb	32.8	41.2	40.1	S	37.2	35.4	S	41.1	40.5	28.2	S	S
50 to 99 lb	S	S	S	44.8	S	S	S	S	S	41.0	S	S
100 to 499 lb	45.4	39.0	41.1	34.9	32.7	32.3	24.8	29.7	30.0	S	S	S
500 to 749 lb	37.4	26.5	26.3	34.1	29.1	29.4	S	39.0	39.5	42.0	36.7	37.0
750 to 999 lb	33.0	32.1	32.7	S	S	S	38.5	45.7	45.3	47.5	47.0	47.5
1,000 to 9,999 lb	14.5	19.9	20.2	38.6	47.6	44.6	22.8	19.0	18.8	S	S	S
10,000 to 49,999 lb	10.6	25.7	27.4	S	47.5	44.4	12.0	11.1	10.6	17.9	18.4	18.0
50,000 to 99,999 lb	S	16.8	16.2	34.0	26.6	24.2	42.3	36.9	37.4	S	43.6	40.0
100,000 lb or more	16.8	15.5	18.4	S	38.5	33.9	14.6	17.6	19.1	14.1	26.2	28.4
SCTG 21, Pharmaceutical products	**14.2**	**19.6**	**19.6**	**25.8**	**16.2**	**17.2**	**21.5**	**19.1**	**20.2**	**24.6**	**30.0**	**30.2**
Less than 50 lb	23.4	23.0	21.6	29.4	27.7	25.7	30.9	29.6	28.0	33.3	23.4	23.1
50 to 99 lb	23.6	23.0	23.1	26.7	25.5	26.3	S	S	S	49.8	37.1	37.8
100 to 499 lb	25.8	21.5	20.6	23.8	25.6	26.1	S	40.9	41.8	S	S	S
500 to 749 lb	41.9	41.1	39.5	S	48.9	48.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	41.6	39.1	S	S	S
1,000 to 9,999 lb	38.6	33.5	36.3	37.9	39.1	40.7	49.3	S	S	S	S	49.9
10,000 to 49,999 lb	S	48.3	48.7	37.2	35.6	36.2	25.5	22.3	23.5	27.8	34.4	34.6
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	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	**14.2**	**16.9**	**18.6**	**17.7**	**24.8**	**23.0**	**32.0**	**31.4**	**35.1**	**33.3**	**35.4**	**40.2**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	39.4	42.0	39.6	S	S	47.3	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	34.3	25.9	23.9	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	17.9	19.0	18.3	24.0	22.9	24.4	48.9	S	S	41.2	42.8	44.9
50,000 to 99,999 lb	26.8	23.4	23.7	36.4	34.6	32.7	38.6	41.0	42.7	S	S	S
100,000 lb or more	23.2	26.2	26.5	23.0	29.2	26.4	35.6	33.6	37.0	35.0	36.4	41.2
SCTG 23, Chemical products and preparations, n.e.c.	**36.1**	**24.0**	**27.8**	**13.0**	**17.6**	**17.7**	**16.2**	**11.4**	**11.5**	**15.9**	**14.0**	**13.5**
Less than 50 lb	21.4	19.5	20.1	33.7	26.3	26.1	30.4	24.7	24.2	44.2	31.4	30.2
50 to 99 lb	20.8	20.2	21.9	32.8	33.2	30.1	40.1	35.0	34.8	30.3	34.5	35.3
100 to 499 lb	15.0	20.4	20.8	21.0	24.1	22.1	31.5	17.1	17.6	26.4	27.5	28.0
500 to 749 lb	22.6	24.1	22.4	30.8	30.8	28.4	S	27.4	28.5	28.8	29.1	28.8
750 to 999 lb	27.9	31.1	26.5	35.0	34.7	29.8	S	24.7	24.7	32.5	27.4	30.3
1,000 to 9,999 lb	10.0	11.6	11.2	20.2	20.2	19.5	15.5	17.0	16.8	24.2	33.1	33.9
10,000 to 49,999 lb	S	23.7	22.4	18.0	21.7	21.7	25.8	17.7	17.9	20.1	15.2	15.2
50,000 to 99,999 lb	42.4	36.5	36.2	48.1	31.3	34.0	S	S	S	S	S	S
100,000 lb or more	37.9	S	S	37.5	30.0	30.3	26.5	28.1	28.6	30.9	27.8	27.1
SCTG 24, Plastics and rubber	**10.7**	**14.4**	**14.5**	**8.2**	**12.3**	**13.6**	**7.4**	**13.6**	**14.4**	**7.9**	**13.3**	**13.5**
Less than 50 lb	26.2	29.0	31.3	34.6	24.9	21.6	29.2	40.0	42.1	32.1	S	S
50 to 99 lb	37.9	46.4	S	19.3	28.9	28.1	22.5	37.9	35.6	32.4	24.3	24.3
100 to 499 lb	28.8	13.4	13.2	14.7	12.4	12.0	16.8	18.1	17.8	25.8	20.7	20.2
500 to 749 lb	17.3	19.4	19.2	14.4	17.8	18.7	18.7	20.5	22.0	28.4	28.6	27.8
750 to 999 lb	17.7	20.9	20.0	15.7	16.7	18.3	20.5	28.7	27.6	30.3	22.8	21.8
1,000 to 9,999 lb	13.9	16.5	17.4	14.4	21.2	22.3	14.8	20.6	20.3	10.8	13.5	12.5
10,000 to 49,999 lb	13.8	20.4	19.7	11.8	16.3	16.3	8.4	11.3	11.2	12.7	19.7	20.3
50,000 to 99,999 lb	44.3	37.0	35.4	S	S	S	S	S	S	S	S	S
100,000 lb or more	21.9	19.2	21.6	18.8	19.8	20.8	15.2	18.2	19.0	11.8	13.5	13.5
SCTG 25, Logs and other wood in the rough	**47.3**	**S**	**S**	**34.8**	**34.6**	**32.9**	**S**	**S**	**S**	**S**	**45.5**	**45.5**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	35.2	37.2	41.3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	38.3	37.2	33.9	46.5	36.5	35.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	35.5	44.8	44.2	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	47.6	47.8
SCTG 26, Wood products	**36.0**	**S**	**S**	**24.0**	**40.9**	**35.7**	**15.7**	**32.1**	**33.2**	**22.5**	**42.5**	**42.0**
Less than 50 lb	29.7	36.1	34.8	30.1	36.4	36.4	S	S	S	S	S	S
50 to 99 lb	30.9	25.8	27.3	S	S	S	33.0	40.6	39.3	S	47.7	S
100 to 499 lb	41.5	45.0	44.7	S	S	S	43.6	36.7	35.3	S	28.7	29.8
500 to 749 lb	28.7	28.7	29.0	35.9	27.1	27.1	47.9	38.8	39.6	48.8	49.1	48.6
750 to 999 lb	S	S	S	36.8	37.8	33.8	S	38.5	38.7	28.5	26.9	29.0
1,000 to 9,999 lb	29.7	23.8	25.8	39.6	37.8	37.2	24.5	29.7	28.7	31.6	30.7	31.3
10,000 to 49,999 lb	29.5	46.6	49.5	26.5	42.8	38.1	13.1	11.4	11.1	21.9	17.5	17.0
50,000 to 99,999 lb	15.5	19.9	20.8	29.9	43.5	40.5	18.9	18.4	18.8	27.8	25.0	25.4
100,000 lb or more	S	S	S	33.3	43.1	34.7	37.7	S	49.4	39.2	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**23.9**	**14.1**	**15.5**	**6.0**	**8.2**	**8.5**	**10.8**	**12.1**	**12.4**	**10.0**	**12.0**	**12.2**
Less than 50 lb	28.5	20.2	21.6	39.3	28.4	28.3	S	S	S	S	S	S
50 to 99 lb	43.7	24.6	26.3	S	41.0	41.6	49.2	S	S	S	S	S
100 to 499 lb	19.7	16.3	18.7	24.3	29.4	28.9	S	S	49.6	S	S	S
500 to 749 lb	20.5	21.1	22.2	S	S	S	S	S	S	46.9	S	S
750 to 999 lb	28.5	36.0	45.9	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	15.8	15.8	17.0	21.3	21.6	22.9	24.0	29.4	30.1	26.6	34.0	32.6
10,000 to 49,999 lb	34.1	14.7	14.9	8.5	6.3	6.6	12.9	9.2	9.7	12.9	9.7	10.2
50,000 to 99,999 lb	41.0	45.2	42.4	27.0	28.3	28.6	37.7	38.4	38.5	43.4	46.2	45.2
100,000 lb or more	18.9	23.1	24.3	16.6	19.4	18.5	15.3	17.9	17.7	19.1	20.8	20.6
SCTG 28, Paper or paperboard articles	**31.9**	**17.4**	**14.1**	**10.9**	**11.6**	**11.9**	**14.8**	**17.9**	**18.8**	**19.3**	**19.5**	**19.1**
Less than 50 lb	S	S	45.2	22.3	30.2	31.7	47.1	S	S	39.6	49.4	48.3
50 to 99 lb	25.5	32.1	35.3	S	S	S	S	S	S	S	S	S
100 to 499 lb	16.9	17.4	17.7	40.8	39.9	41.7	S	47.9	49.5	39.8	46.7	49.3
500 to 749 lb	31.6	35.2	33.9	37.7	32.5	31.6	S	37.0	36.9	S	48.8	48.3
750 to 999 lb	26.7	32.1	35.2	48.1	47.5	44.9	S	S	S	S	S	S
1,000 to 9,999 lb	47.7	20.6	19.7	17.4	19.5	19.1	19.0	13.7	14.1	43.3	33.6	33.5
10,000 to 49,999 lb	31.3	18.9	15.5	14.1	12.0	12.5	17.1	20.8	21.8	22.6	19.1	18.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S

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	**9.0**	**11.7**	**11.6**	**18.5**	**26.8**	**29.0**	**12.5**	**25.3**	**24.1**	**18.9**	**20.2**	**20.2**
Less than 50 lb	25.6	46.9	39.9	38.1	48.7	S	21.7	22.6	21.3	28.5	37.8	38.2
50 to 99 lb	27.3	40.2	43.6	23.6	18.8	17.7	25.6	S	S	35.5	26.0	27.5
100 to 499 lb	17.3	14.7	14.7	25.8	22.2	25.5	27.1	43.1	40.5	29.9	18.2	18.3
500 to 749 lb	41.6	31.1	34.6	37.7	30.2	33.2	44.2	41.6	43.4	33.3	23.3	22.4
750 to 999 lb	36.8	35.0	30.9	34.5	27.6	26.8	S	34.9	35.2	43.8	26.1	26.8
1,000 to 9,999 lb	15.0	16.9	17.5	25.0	29.5	26.6	20.5	32.7	31.2	30.1	22.2	22.1
10,000 to 49,999 lb	35.8	23.5	23.4	28.3	42.4	44.8	25.6	35.2	34.7	26.5	30.0	30.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**46.8**	**S**	**S**	**44.0**	**S**	**S**	**16.2**	**17.9**	**19.6**	**12.2**	**24.0**	**23.9**
Less than 50 lb	23.6	23.5	19.6	16.5	14.3	14.1	22.5	14.2	14.7	19.6	14.0	13.7
50 to 99 lb	18.5	17.0	16.1	31.3	22.9	26.7	28.0	24.3	24.5	22.6	23.9	24.7
100 to 499 lb	20.6	21.9	22.8	18.6	18.2	18.2	19.9	20.0	20.1	24.9	34.9	35.9
500 to 749 lb	S	45.2	39.7	30.3	37.9	36.9	S	S	49.3	43.0	33.1	34.5
750 to 999 lb	40.5	46.2	49.1	34.9	32.8	32.3	48.6	S	S	33.6	33.9	34.2
1,000 to 9,999 lb	S	S	S	46.8	40.0	35.0	33.5	21.9	21.9	22.6	31.2	31.2
10,000 to 49,999 lb	S	S	S	S	S	S	28.5	27.4	29.6	31.7	37.7	37.6
50,000 to 99,999 lb	S	S	S	S	S	S	49.8	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**9.0**	**15.0**	**12.9**	**10.9**	**13.2**	**12.6**	**15.3**	**12.6**	**12.0**	**13.8**	**14.0**	**14.3**
Less than 50 lb	34.4	43.8	43.5	33.1	30.0	28.4	34.4	30.5	31.9	24.1	29.5	29.4
50 to 99 lb	40.6	S	S	36.3	S	S	31.5	49.5	S	36.8	37.9	38.5
100 to 499 lb	45.1	S	S	36.1	29.4	27.3	42.4	39.9	37.9	49.5	33.6	34.0
500 to 749 lb	S	S	S	36.2	38.4	38.3	43.8	42.6	41.3	S	47.2	S
750 to 999 lb	43.6	42.0	49.3	S	S	S	S	S	S	S	43.9	45.7
1,000 to 9,999 lb	20.1	30.2	28.3	27.6	32.8	31.3	24.1	43.5	43.7	36.7	30.8	30.5
10,000 to 49,999 lb	12.9	26.8	23.7	12.2	15.1	14.7	18.0	14.2	13.8	15.5	14.3	14.5
50,000 to 99,999 lb	12.6	14.6	16.9	25.8	21.4	22.7	39.4	36.3	33.6	40.6	41.3	41.1
100,000 lb or more	30.8	25.1	26.7	27.8	30.0	32.3	46.9	32.5	30.9	32.8	34.8	34.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**18.4**	**30.3**	**32.1**	**16.9**	**27.4**	**30.2**	**15.9**	**30.5**	**31.8**	**13.9**	**15.0**	**18.4**
Less than 50 lb	20.7	32.5	37.6	28.7	18.8	17.2	20.0	18.9	18.7	23.9	21.3	20.8
50 to 99 lb	32.0	21.1	21.5	35.3	21.3	23.6	30.8	27.9	29.6	47.0	28.8	28.9
100 to 499 lb	26.9	29.1	32.6	30.0	27.9	26.1	S	42.9	43.4	S	37.0	37.6
500 to 749 lb	S	44.4	S	29.3	31.1	29.8	44.3	32.5	33.3	S	36.6	36.3
750 to 999 lb	47.5	33.1	38.3	23.1	25.2	28.3	46.7	S	S	27.5	30.2	29.4
1,000 to 9,999 lb	17.6	15.3	15.5	19.9	19.2	19.8	27.9	22.7	23.0	32.7	27.2	27.0
10,000 to 49,999 lb	16.3	17.0	17.2	12.2	16.3	16.8	7.8	9.9	10.0	14.8	12.0	11.9
50,000 to 99,999 lb	47.1	S	S	S	40.0	41.8	S	S	S	36.6	45.7	44.0
100,000 lb or more	S	S	S	42.7	47.2	46.7	S	S	S	25.8	26.6	30.6
SCTG 33, Articles of base metal	**8.8**	**22.4**	**23.0**	**13.3**	**21.7**	**21.8**	**13.7**	**28.6**	**29.1**	**11.9**	**13.1**	**13.5**
Less than 50 lb	12.0	12.0	12.7	26.6	14.8	16.6	19.5	22.9	22.0	20.9	23.5	23.2
50 to 99 lb	23.0	25.7	25.5	21.8	17.5	18.6	43.4	25.0	25.3	29.0	34.5	34.1
100 to 499 lb	18.4	27.2	28.4	23.7	25.0	24.4	30.4	18.6	19.7	27.3	22.2	22.3
500 to 749 lb	29.0	20.3	18.8	27.7	29.6	33.0	19.2	14.5	15.3	S	41.3	40.9
750 to 999 lb	32.7	19.0	19.9	30.8	29.3	25.4	18.4	16.7	17.9	26.3	29.9	30.0
1,000 to 9,999 lb	12.9	12.3	13.4	11.9	14.2	16.1	28.3	18.6	18.5	11.6	13.5	13.7
10,000 to 49,999 lb	13.7	34.7	35.7	12.4	23.5	22.0	14.8	34.3	33.6	14.5	16.0	16.7
50,000 to 99,999 lb	31.8	S	46.9	S	S	S	43.6	S	S	S	S	S
100,000 lb or more	33.0	49.1	47.7	34.7	S	S	31.5	S	S	S	S	S
SCTG 34, Machinery	**25.3**	**29.9**	**23.9**	**10.7**	**9.2**	**9.7**	**12.8**	**15.8**	**15.2**	**21.5**	**17.0**	**16.8**
Less than 50 lb	12.7	12.9	15.2	15.9	21.1	21.0	15.4	18.1	18.5	48.3	29.2	28.9
50 to 99 lb	15.8	19.9	23.4	18.5	21.8	22.2	22.3	21.4	26.8	21.7	27.6	27.7
100 to 499 lb	16.8	12.2	12.5	17.3	13.4	13.3	21.4	18.7	19.7	20.5	21.4	21.3
500 to 749 lb	15.3	15.5	15.9	26.9	23.2	21.9	25.3	20.4	19.2	17.4	17.3	17.6
750 to 999 lb	S	30.9	24.6	35.4	22.4	22.3	26.1	23.8	23.6	48.1	S	S
1,000 to 9,999 lb	24.1	31.1	31.5	23.8	18.2	19.7	18.3	19.2	18.3	42.8	18.8	19.5
10,000 to 49,999 lb	S	S	47.0	12.8	12.3	13.0	18.4	26.1	25.3	28.0	29.7	29.2
50,000 to 99,999 lb	48.4	S	S	48.9	47.6	48.9	43.2	45.5	42.8	S	35.5	37.1
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**31.4**	**33.7**	**34.7**	**19.5**	**25.3**	**21.9**	**14.5**	**19.7**	**18.3**	**16.5**	**24.7**	**25.7**
Less than 50 lb	16.3	22.5	25.8	12.9	15.5	15.9	19.0	11.2	10.5	12.9	9.4	9.5
50 to 99 lb	28.9	43.5	43.6	24.9	42.5	39.7	26.3	35.9	34.7	18.1	22.5	22.6
100 to 499 lb	35.6	S	S	35.1	S	44.5	22.4	26.4	26.0	29.4	25.5	25.3
500 to 749 lb	S	S	S	47.8	S	S	46.6	39.7	37.0	39.0	25.3	25.2
750 to 999 lb	43.1	S	S	S	S	S	37.9	S	S	41.0	43.4	43.1
1,000 to 9,999 lb	49.0	42.6	43.6	38.8	27.4	25.8	32.2	39.9	36.8	30.5	26.0	24.9
10,000 to 49,999 lb	S	36.9	34.8	18.4	16.2	17.1	23.2	18.4	17.5	46.5	21.7	21.0
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

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)	**27.4**	**29.0**	**28.1**	**16.7**	**15.2**	**15.8**	**24.5**	**18.1**	**19.7**	**27.8**	**27.4**	**28.1**
Less than 50 lb	18.6	22.1	22.3	31.7	27.0	25.1	22.6	25.3	24.5	17.7	18.0	17.8
50 to 99 lb	40.2	27.1	26.8	42.3	42.6	43.1	28.6	23.8	24.0	38.3	30.7	30.6
100 to 499 lb	29.4	17.0	18.7	33.4	23.6	23.5	20.5	18.9	19.5	29.2	26.1	25.0
500 to 749 lb	29.9	20.7	20.9	S	49.2	46.2	S	44.9	45.5	40.5	46.2	46.0
750 to 999 lb	31.5	31.4	29.4	S	S	S	S	S	S	S	48.4	49.6
1,000 to 9,999 lb	30.7	20.8	22.6	19.9	14.2	15.2	38.9	31.7	34.5	S	S	S
10,000 to 49,999 lb	S	S	S	20.6	25.9	26.1	40.7	12.6	12.7	33.5	23.9	24.2
50,000 to 99,999 lb	43.5	40.6	40.6	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**22.1**	**39.0**	**41.8**	**20.8**	**49.9**	**S**	**28.0**	**30.4**	**29.1**	**22.2**	**S**	**S**
Less than 50 lb	39.5	S	S	29.8	29.6	29.6	33.3	39.8	38.7	39.0	S	48.6
50 to 99 lb	S	S	47.4	44.5	S	S	S	S	S	S	46.8	43.0
100 to 499 lb	S	28.0	26.8	42.8	47.0	47.2	S	34.9	37.0	S	48.5	46.8
500 to 749 lb	S	25.5	24.9	S	44.5	44.2	S	S	49.1	S	43.7	42.1
750 to 999 lb	S	S	S	47.8	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.3	S	S	29.2	43.0	41.2	30.5	35.5	35.5	41.1	39.4	40.5
10,000 to 49,999 lb	40.4	47.5	47.8	33.8	39.1	37.7	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**32.1**	**24.0**	**25.2**	**32.1**	**24.9**	**25.2**	**S**	**28.0**	**28.7**	**S**	**S**	**S**
Less than 50 lb	49.3	25.4	26.2	48.1	21.1	18.6	S	S	S	S	S	S
50 to 99 lb	26.4	29.2	31.9	25.9	38.7	37.3	43.9	41.8	40.0	28.8	32.0	30.4
100 to 499 lb	26.4	34.0	31.8	34.8	40.6	39.5	37.1	23.2	22.9	42.6	27.7	28.9
500 to 749 lb	S	S	49.5	S	45.4	43.1	S	39.6	37.9	S	48.4	48.5
750 to 999 lb	S	47.6	S	45.0	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.8	43.0	46.7	39.0	S	S	S	34.3	32.4	S	35.9	35.3
10,000 to 49,999 lb	S	S	S	S	S	S	S	40.0	40.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**S**	**S**	**48.8**	**S**	**41.7**	**35.1**	**25.9**	**16.6**	**16.7**	**31.1**	**18.7**	**18.1**
Less than 50 lb	S	35.3	36.5	S	43.1	41.1	S	S	S	47.4	S	S
50 to 99 lb	44.1	33.0	37.3	40.5	30.9	28.9	33.1	39.4	38.7	41.5	46.0	47.1
100 to 499 lb	21.5	14.6	15.0	37.3	25.7	25.9	27.4	25.7	25.8	S	24.4	25.0
500 to 749 lb	27.8	21.2	21.0	27.0	27.4	24.0	39.6	34.3	35.4	S	19.6	19.3
750 to 999 lb	22.8	21.6	23.0	24.4	25.4	20.6	28.9	27.0	27.1	28.5	27.1	27.0
1,000 to 9,999 lb	15.3	15.3	15.5	S	S	S	19.3	19.9	20.0	18.0	23.9	23.4
10,000 to 49,999 lb	S	S	S	S	30.1	29.1	S	34.8	35.4	32.1	41.2	39.3
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**12.1**	**13.0**	**12.9**	**22.1**	**16.5**	**15.8**	**28.3**	**12.0**	**12.0**	**28.0**	**18.2**	**18.1**
Less than 50 lb	17.1	15.9	15.4	S	19.3	19.1	S	34.9	35.1	S	23.8	23.2
50 to 99 lb	20.8	20.7	20.9	23.9	25.0	25.8	29.7	14.3	14.2	20.9	15.9	17.9
100 to 499 lb	16.4	17.5	17.4	16.3	18.1	18.8	14.6	13.0	12.8	19.7	16.9	16.6
500 to 749 lb	26.8	23.0	23.7	24.3	18.6	17.8	22.0	29.4	29.7	45.2	16.9	16.9
750 to 999 lb	30.4	29.1	31.6	38.2	S	49.1	40.8	34.4	32.6	23.6	26.9	27.9
1,000 to 9,999 lb	24.4	23.2	20.1	19.9	16.8	18.2	22.6	23.0	22.5	17.1	12.3	12.5
10,000 to 49,999 lb	22.1	15.9	15.4	20.1	23.3	21.9	19.3	15.3	15.3	30.9	26.1	25.9
50,000 to 99,999 lb	24.5	25.1	23.0	33.5	32.8	31.1	42.9	34.1	34.2	38.5	S	S
100,000 lb or more	41.6	S	S	S	49.5	47.2	S	S	S	41.6	37.4	38.1
SCTG 41, Waste and scrap	**24.7**	**29.8**	**35.0**	**20.0**	**17.1**	**21.3**	**19.9**	**25.2**	**25.3**	**19.9**	**23.0**	**24.0**
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	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	49.7	S	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	23.1	26.0	29.3	28.9	17.5	17.9	21.4	22.4	22.5	22.9	21.7	22.1
50,000 to 99,999 lb	41.7	42.3	46.7	47.2	S	S	–	–	–	S	S	S
100,000 lb or more	37.3	38.2	44.2	23.8	23.1	27.9	45.4	49.5	48.9	S	S	S
SCTG 43, Mixed freight	**29.7**	**26.6**	**26.9**	**S**	**35.5**	**33.8**	**S**	**S**	**S**	**36.0**	**49.8**	**49.7**
Less than 50 lb	36.6	20.0	20.0	S	37.1	38.1	S	S	S	S	48.2	46.8
50 to 99 lb	21.0	29.3	29.1	36.0	39.0	37.9	S	S	S	S	S	S
100 to 499 lb	19.4	20.7	20.4	28.1	27.4	26.7	S	46.3	46.3	49.3	38.4	38.4
500 to 749 lb	36.7	27.6	29.5	35.1	39.6	41.2	S	39.0	39.1	S	S	S
750 to 999 lb	27.0	29.0	30.3	48.1	48.0	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.1	20.8	21.7	25.8	27.1	29.8	38.4	42.1	42.8	S	S	S
10,000 to 49,999 lb	42.0	36.8	36.8	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	–	–	–	–	–	–	–	–	–

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	**48.2**	**35.2**	**35.8**	**33.9**	**S**	**S**	**28.7**	**S**	**S**	**29.4**	**49.4**	**S**
Less than 50 lb	49.4	43.8	48.4	47.7	32.1	33.5	47.0	34.1	35.7	S	37.5	38.1
50 to 99 lb	S	S	S	36.8	43.4	41.3	S	S	S	S	S	S
100 to 499 lb	45.9	34.9	34.0	S	45.9	46.8	S	47.4	45.7	S	32.8	32.0
500 to 749 lb	S	38.9	35.0	37.6	S	S	S	47.5	45.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	39.5	S	S	38.9	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	46.8	33.3	33.8	38.6	41.2	42.4	28.8	28.1	29.0
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	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	**11.8**	**17.1**	**19.6**	**11.2**	**9.1**	**10.2**	**24.3**	**19.8**	**19.0**
Less than 50 lb	21.6	10.9	10.6	15.9	9.9	9.9	31.2	14.9	16.9
50 to 99 lb	32.8	8.1	8.2	39.5	28.7	26.2	36.9	26.5	30.9
100 to 499 lb	34.5	15.2	15.0	48.4	25.1	22.7	S	18.8	24.4
500 to 749 lb	19.1	7.5	7.1	23.6	9.6	9.0	S	32.4	31.1
750 to 999 lb	23.8	17.2	18.8	43.4	34.2	34.7	S	S	S
1,000 to 9,999 lb	12.7	11.8	12.9	17.6	7.9	8.1	31.7	46.7	38.6
10,000 to 49,999 lb	15.7	15.4	16.0	6.2	10.0	9.4	32.6	32.0	29.3
50,000 to 99,999 lb	31.8	14.5	15.7	39.0	22.8	23.0	S	S	S
100,000 lb or more	20.0	21.2	24.7	12.6	17.2	18.7	34.1	25.4	23.7
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**49.2**	**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	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**21.7**	**29.5**	**29.8**	**43.4**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	47.8	48.3	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	34.6	33.6	34.2	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	44.2	44.3	–	–	–	–	–	–
1,000 to 9,999 lb	31.9	35.5	36.0	34.2	32.5	32.3	–	–	–
10,000 to 49,999 lb	26.9	33.1	33.3	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 04, Animal feed and products of animal origin, n.e.c.	**19.4**	**26.8**	**26.6**	**42.8**	**40.4**	**41.3**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	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	42.4	34.6	35.0	43.7	44.1	44.8	–	–	–
10,000 to 49,999 lb	32.4	40.5	38.4	S	S	S	–	–	–
50,000 to 99,999 lb	41.7	S	S	S	S	S	–	–	–
100,000 lb or more	49.0	40.2	45.5	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**15.4**	**14.0**	**14.5**	**21.0**	**20.1**	**18.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	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	16.5	19.7	20.0	34.5	29.8	27.5	–	–	–
10,000 to 49,999 lb	17.0	15.1	15.7	21.8	23.8	22.5	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**14.6**	**16.7**	**16.7**	**29.3**	**28.1**	**29.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	29.1	32.9	32.5	S	S	S	–	–	–
10,000 to 49,999 lb	14.7	18.2	18.7	30.6	26.1	24.9	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	31.4	27.5	26.9	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**14.2**	**18.3**	**18.6**	**16.8**	**19.8**	**21.0**	**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	49.0	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	35.5	28.5	28.1	S	46.8	49.1	S	S	S
10,000 to 49,999 lb	16.5	19.7	20.3	17.1	19.9	19.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	30.3	S	S	47.9	S	S	–	–	–
SCTG 08, Alcoholic beverages	**47.1**	**32.8**	**32.4**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	49.0	33.2	33.4	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**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	–	–	–	–	–	–
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**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**46.3**	**34.0**	**35.7**	**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	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	44.5	47.0	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**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	–	–	–
100 to 499 lb	S	S	S	47.6	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	47.9	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	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	**34.8**	**47.7**	**49.6**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	49.2	48.9	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**44.3**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	48.5	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
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	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**18.9**	**25.3**	**28.3**	**26.8**	**33.7**	**32.7**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	44.9	S	S	–	–	–
100 to 499 lb	S	S	S	44.3	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	43.1	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	48.6	S	S	–	–	–
10,000 to 49,999 lb	21.7	44.3	46.4	31.8	33.0	32.9	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	23.7	31.5	34.7	37.0	46.3	44.7	S	S	S
SCTG 20, Basic chemicals	**S**	**46.3**	**44.3**	**21.3**	**14.2**	**14.7**	**S**	**S**	**S**
Less than 50 lb	33.2	S	S	S	S	S	S	S	S
50 to 99 lb	49.5	S	S	46.8	S	S	S	S	S
100 to 499 lb	22.2	39.0	37.6	39.8	S	S	–	–	–
500 to 749 lb	46.2	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	39.9	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	21.8	21.5	21.7	36.6	36.7	36.2
50,000 to 99,999 lb	33.1	36.4	34.2	S	S	S	–	–	–
100,000 lb or more	42.9	40.4	38.3	34.0	17.2	17.2	S	S	S
SCTG 21, Pharmaceutical products	**22.8**	**23.6**	**23.9**	**S**	**39.0**	**38.2**	**S**	**S**	**S**
Less than 50 lb	33.1	30.6	31.7	34.6	25.5	25.3	S	46.2	49.1
50 to 99 lb	42.6	38.4	42.0	S	S	S	–	–	–
100 to 499 lb	47.4	44.0	42.9	S	S	S	S	S	S
500 to 749 lb	S	48.6	48.1	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	49.8	43.0	38.1	S	S	S	S	S	S
10,000 to 49,999 lb	29.4	26.5	26.8	37.5	42.6	41.6	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	**29.5**	**29.0**	**28.0**	**37.9**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
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	29.8	28.1	28.0	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**13.2**	**17.7**	**18.6**	**35.7**	**S**	**50.0**	**46.7**	**47.3**	**45.6**
Less than 50 lb	24.5	25.6	25.4	27.9	31.3	30.6	S	S	S
50 to 99 lb	32.9	24.8	24.6	47.0	48.0	48.4	–	–	–
100 to 499 lb	24.7	22.9	22.6	41.0	45.6	44.0	S	S	S
500 to 749 lb	30.2	25.5	25.7	42.7	36.5	39.6	S	S	S
750 to 999 lb	28.9	25.9	27.9	44.9	49.8	49.3	S	S	S
1,000 to 9,999 lb	29.3	26.2	26.3	23.8	36.2	37.0	S	S	S
10,000 to 49,999 lb	15.3	23.1	24.9	38.6	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	25.2	21.4	21.7	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**7.0**	**9.4**	**9.6**	**9.7**	**12.3**	**12.8**	**S**	**S**	**S**
Less than 50 lb	29.2	17.8	18.3	30.9	19.0	19.4	S	S	S
50 to 99 lb	S	16.7	17.8	26.4	21.4	21.1	S	S	S
100 to 499 lb	27.9	25.5	22.7	20.9	19.2	19.4	S	S	S
500 to 749 lb	25.6	20.2	21.1	36.3	31.3	31.3	S	S	S
750 to 999 lb	19.1	20.9	21.3	32.9	37.5	42.2	–	–	–
1,000 to 9,999 lb	14.6	16.7	16.4	19.3	18.6	18.6	S	S	S
10,000 to 49,999 lb	9.6	14.9	15.5	15.2	16.1	14.9	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	10.2	11.1	11.2	15.3	15.5	15.8	S	S	S
SCTG 25, Logs and other wood in the rough	**43.0**	**45.8**	**46.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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 26, Wood products	**13.9**	**29.0**	**29.5**	**14.0**	**12.9**	**12.7**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	42.8	46.8	S	44.4	44.4	–	–	–
100 to 499 lb	S	25.0	24.9	S	S	S	S	S	S
500 to 749 lb	44.6	47.7	48.6	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.6	39.0	38.6	30.2	28.9	29.5	S	S	S
10,000 to 49,999 lb	20.9	17.6	17.2	31.5	28.0	27.9	S	S	S
50,000 to 99,999 lb	26.0	35.8	34.0	45.5	33.4	33.4	–	–	–
100,000 lb or more	22.7	37.5	37.3	16.5	14.9	15.0	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.5**	**10.2**	**10.8**	**18.6**	**17.9**	**18.2**	**S**	**S**	**S**
Less than 50 lb	46.1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	40.8	43.6	44.8	S	S	S
10,000 to 49,999 lb	13.5	13.7	12.9	15.5	18.0	18.1	S	S	S
50,000 to 99,999 lb	42.0	41.5	40.8	S	S	S	–	–	–
100,000 lb or more	15.4	16.9	17.9	29.7	24.5	24.2	–	–	–
SCTG 28, Paper or paperboard articles	**17.1**	**15.8**	**16.0**	**24.5**	**26.9**	**27.2**	**S**	**S**	**S**
Less than 50 lb	33.1	36.4	36.7	S	S	48.9	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	47.0	49.7	49.5	S	S	S	S	S	S
500 to 749 lb	S	42.2	41.0	S	S	S	–	–	–
750 to 999 lb	S	42.4	42.0	S	S	S	–	–	–
1,000 to 9,999 lb	20.6	20.2	19.3	34.6	32.9	33.6	S	S	S
10,000 to 49,999 lb	20.1	16.4	16.6	29.2	27.7	27.9	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**25.4**	**23.9**	**24.6**	**20.9**	**42.6**	**43.1**	**47.1**	**43.5**	**39.1**
Less than 50 lb	24.8	23.5	22.8	31.7	38.1	39.0	S	S	S
50 to 99 lb	20.7	18.6	19.5	40.0	S	S	S	S	S
100 to 499 lb	27.8	21.6	21.7	S	43.4	42.9	S	S	S
500 to 749 lb	30.7	25.2	24.8	S	S	S	–	–	–
750 to 999 lb	43.9	24.5	24.5	S	43.4	43.3	–	–	–
1,000 to 9,999 lb	48.0	26.5	25.4	S	42.2	40.6	S	S	S
10,000 to 49,999 lb	S	40.5	41.8	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**15.0**	**15.7**	**16.1**	**26.9**	**23.5**	**25.1**	**29.8**	**S**	**S**
Less than 50 lb	33.1	18.5	18.8	15.9	20.9	21.4	45.7	39.7	49.0
50 to 99 lb	29.6	25.9	26.0	30.1	34.5	33.9	47.4	S	S
100 to 499 lb	39.0	25.2	25.5	28.2	33.3	35.6	S	S	S
500 to 749 lb	39.0	37.6	36.7	48.9	30.5	30.6	S	S	S
750 to 999 lb	32.1	31.2	32.2	41.8	42.4	42.4	–	–	–
1,000 to 9,999 lb	22.0	25.8	26.1	43.5	33.7	32.5	S	S	S
10,000 to 49,999 lb	17.8	19.6	19.9	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**11.4**	**14.0**	**13.5**	**12.4**	**28.2**	**29.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	37.9	41.4	40.6	S	S	S	S	S	S
100 to 499 lb	28.0	27.6	27.3	44.9	37.1	36.8	–	–	–
500 to 749 lb	42.5	32.4	30.6	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	28.7	31.0	28.4	34.3	30.6	30.8	S	S	S
10,000 to 49,999 lb	14.2	16.2	16.0	20.3	34.7	36.6	–	–	–
50,000 to 99,999 lb	33.2	36.5	34.8	–	–	–	–	–	–
100,000 lb or more	32.5	31.2	29.0	36.0	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**12.1**	**14.7**	**14.7**	**20.9**	**28.8**	**29.4**	**44.0**	**42.6**	**42.2**
Less than 50 lb	29.9	17.6	17.6	S	24.7	25.3	S	S	S
50 to 99 lb	35.8	38.7	39.3	S	S	S	S	S	S
100 to 499 lb	29.6	33.3	33.8	S	S	S	S	S	S
500 to 749 lb	S	36.6	37.9	S	S	S	S	S	S
750 to 999 lb	34.9	33.3	33.5	S	S	S	S	S	S
1,000 to 9,999 lb	25.4	29.0	28.1	29.9	28.4	28.8	S	S	S
10,000 to 49,999 lb	13.4	15.1	14.9	35.2	32.0	32.0	S	S	S
50,000 to 99,999 lb	49.0	S	S	S	S	S	–	–	–
100,000 lb or more	21.0	19.1	19.4	32.3	36.1	36.4	48.5	44.4	44.0
SCTG 33, Articles of base metal	**9.5**	**17.9**	**18.4**	**31.9**	**28.4**	**28.0**	**31.2**	**28.8**	**34.7**
Less than 50 lb	16.1	18.2	17.2	23.6	25.2	25.8	33.5	39.7	38.3
50 to 99 lb	26.7	28.9	28.5	40.8	38.3	38.5	S	S	S
100 to 499 lb	16.8	18.5	18.4	36.6	44.0	44.5	S	S	S
500 to 749 lb	36.9	23.3	24.2	S	35.5	34.8	S	S	S
750 to 999 lb	20.9	18.6	17.9	S	S	S	S	S	S
1,000 to 9,999 lb	20.2	13.3	12.9	48.2	30.6	33.9	S	49.4	S
10,000 to 49,999 lb	17.2	26.7	28.1	27.8	36.3	34.6	–	–	–
50,000 to 99,999 lb	38.7	39.8	39.0	S	S	S	–	–	–
100,000 lb or more	43.0	39.7	40.1	S	S	S	–	–	–
SCTG 34, Machinery	**12.9**	**15.9**	**15.6**	**18.1**	**25.2**	**25.1**	**47.8**	**S**	**S**
Less than 50 lb	18.3	18.1	17.9	18.2	22.1	22.1	39.8	22.3	25.4
50 to 99 lb	29.8	18.6	19.2	30.6	33.5	33.2	S	S	S
100 to 499 lb	14.8	12.3	11.8	39.5	45.8	47.5	49.1	39.4	35.8
500 to 749 lb	30.7	38.2	35.1	29.3	32.9	33.2	–	–	–
750 to 999 lb	28.5	38.1	37.0	45.3	S	S	–	–	–
1,000 to 9,999 lb	24.4	15.1	15.9	17.6	23.7	25.4	S	S	S
10,000 to 49,999 lb	15.7	20.6	20.2	37.0	39.4	39.5	S	S	S
50,000 to 99,999 lb	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	**24.1**	**17.4**	**18.1**	**35.1**	**22.6**	**21.7**	**S**	**S**	**S**
Less than 50 lb	30.3	18.4	17.9	11.5	10.2	10.2	S	32.1	33.0
50 to 99 lb	S	26.9	27.0	S	S	S	S	S	S
100 to 499 lb	49.6	S	S	S	S	S	S	39.4	43.7
500 to 749 lb	36.2	19.7	18.8	S	S	48.6	S	S	S
750 to 999 lb	39.8	S	S	41.6	S	S	S	S	S
1,000 to 9,999 lb	30.3	19.5	19.8	38.9	25.0	24.3	S	S	S
10,000 to 49,999 lb	26.1	19.8	20.3	26.6	26.9	26.9	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**19.8**	**18.6**	**20.6**	**26.3**	**25.7**	**27.5**	**S**	**S**	**S**
Less than 50 lb	28.5	21.8	21.5	S	S	49.1	35.3	48.0	44.1
50 to 99 lb	25.1	33.3	30.0	39.4	32.2	32.5	–	–	–
100 to 499 lb	22.3	32.8	33.0	36.4	36.5	36.9	S	S	S
500 to 749 lb	S	30.3	32.1	S	S	S	–	–	–
750 to 999 lb	S	40.5	41.1	S	S	S	S	S	S
1,000 to 9,999 lb	38.2	35.9	39.8	S	S	S	S	S	S
10,000 to 49,999 lb	19.5	16.5	16.1	37.0	31.1	32.2	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**24.8**	**27.2**	**27.5**	**32.2**	**31.3**	**30.7**	**S**	**S**	**S**
Less than 50 lb	29.2	S	S	43.8	43.0	43.3	S	S	S
50 to 99 lb	33.9	32.3	32.9	S	47.1	47.5	–	–	–
100 to 499 lb	23.8	29.9	29.5	S	35.5	35.3	S	S	S
500 to 749 lb	47.7	34.4	33.8	S	48.1	47.5	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	37.2	35.9	34.1	48.4	S	S	–	–	–
10,000 to 49,999 lb	33.3	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**S**	**47.0**	**45.6**	**S**	**31.7**	**30.7**	**47.2**	**S**	**S**
Less than 50 lb	S	S	S	S	48.3	47.4	S	44.7	S
50 to 99 lb	26.0	19.6	18.6	S	44.8	44.8	S	S	S
100 to 499 lb	24.7	15.3	16.3	24.1	43.9	42.5	S	S	S
500 to 749 lb	47.6	31.0	30.9	S	S	S	–	–	–
750 to 999 lb	S	40.4	41.7	–	–	–	–	–	–
1,000 to 9,999 lb	39.4	27.7	28.0	S	45.5	49.3	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**26.3**	**19.4**	**18.6**	**23.7**	**19.7**	**19.2**	**S**	**S**	**S**
Less than 50 lb	46.7	S	S	44.6	45.4	44.5	S	S	S
50 to 99 lb	S	28.7	27.8	28.7	24.5	24.2	–	–	–
100 to 499 lb	46.3	30.5	29.6	34.8	32.1	30.9	S	S	S
500 to 749 lb	28.9	22.8	22.0	S	S	S	S	S	S
750 to 999 lb	31.6	39.8	38.0	S	S	S	–	–	–
1,000 to 9,999 lb	16.9	19.1	21.5	37.8	28.8	28.2	S	S	S
10,000 to 49,999 lb	25.0	35.8	34.9	32.0	40.2	39.3	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**24.3**	**18.0**	**19.6**	**25.3**	**16.9**	**16.6**	**34.1**	**22.7**	**23.4**
Less than 50 lb	S	29.3	29.8	S	28.7	28.9	S	32.2	34.9
50 to 99 lb	26.7	16.2	16.1	26.9	17.8	18.6	39.8	48.2	43.9
100 to 499 lb	34.7	15.8	16.3	48.1	20.5	20.7	36.7	46.2	S
500 to 749 lb	19.4	16.6	16.8	35.2	34.3	34.2	S	S	S
750 to 999 lb	23.2	15.1	14.6	34.9	38.3	40.0	S	S	S
1,000 to 9,999 lb	24.9	24.6	25.0	28.9	22.0	22.0	S	S	S
10,000 to 49,999 lb	15.1	16.9	16.2	29.7	21.1	20.9	49.3	48.8	49.1
50,000 to 99,999 lb	44.4	42.1	44.4	S	S	S	S	S	S
100,000 lb or more	41.7	48.3	48.6	S	S	S	–	–	–
SCTG 41, Waste and scrap	**32.2**	**30.2**	**31.7**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	29.8	33.3	36.6	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 43, Mixed freight	**48.5**	**S**	**49.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	43.1	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	47.4	45.2	44.2	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	–	–	–
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	**21.3**	**38.7**	**39.3**	**41.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	47.1	47.8	47.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	38.8	36.8	37.9	S	43.5	42.6	S	S	S
500 to 749 lb	S	41.3	43.6	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	27.8	29.9	29.4	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.

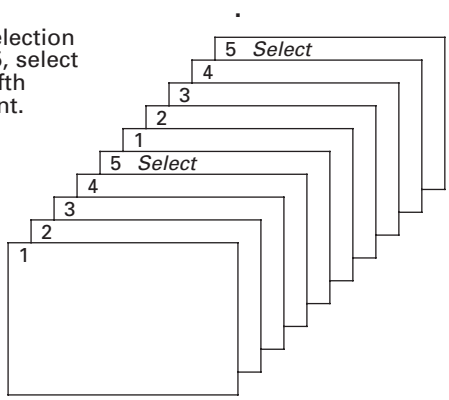
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

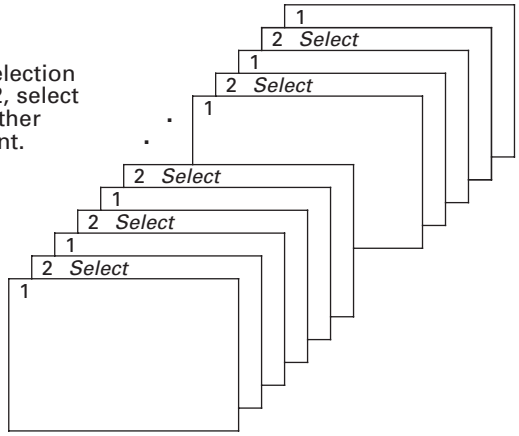
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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.

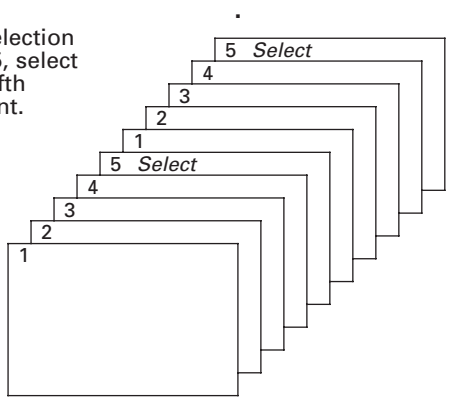
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

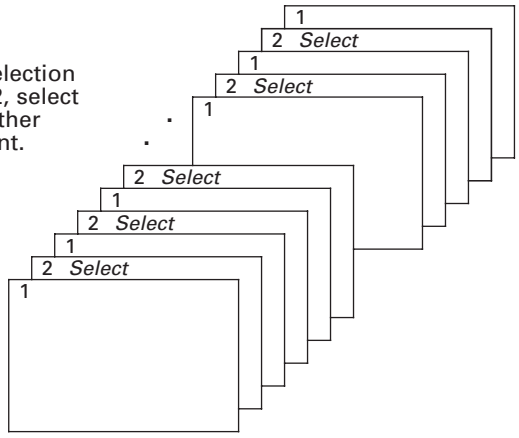
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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								
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23								
24								
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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
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									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).

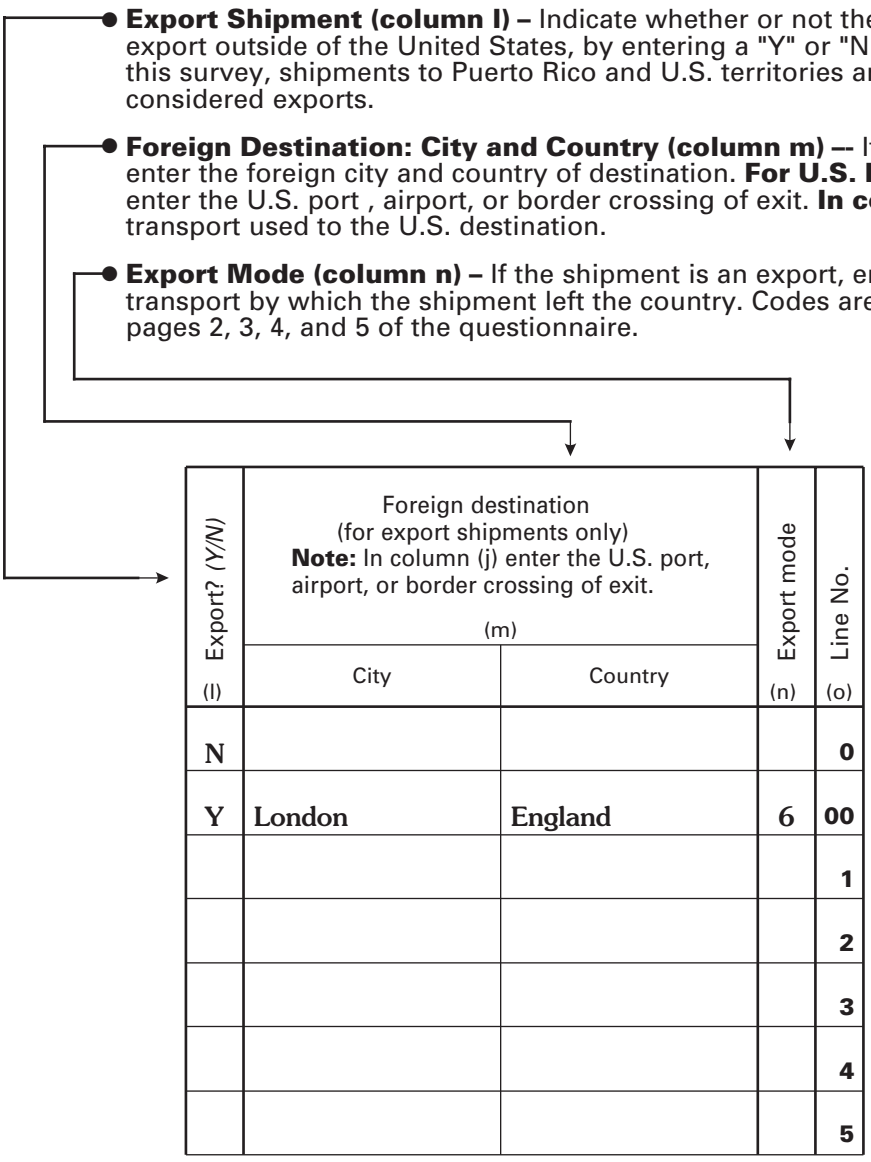
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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.