Pacific Division

1997

Issued April 2000

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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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**	**648**
Single modes	**836 822**	**77.7**	**1 147 328**	**91.7**	**193 012**	**82.3**	**268**
Truck[1]	700 812	65.1	953 645	76.3	123 621	52.7	196
For-hire truck	350 957	32.6	351 544	28.1	87 186	37.2	820
Private truck	342 388	31.8	539 992	43.2	33 029	14.1	60
Rail	16 819	1.6	39 717	3.2	44 498	19.0	1 363
Water	11 178	1.0	65 778	5.3	17 451	7.4	860
Shallow draft	3 853	.4	27 466	2.2	3 806	1.6	231
Great Lakes	–	–	–	–	–	–	–
Deep draft	7 325	.7	38 311	3.1	13 645	5.8	946
Air (includes truck and air)	88 961	8.3	1 405	.1	2 379	1.0	1 942
Pipeline[2]	19 053	1.8	86 784	6.9	S	S	S
Multiple modes	**177 082**	**16.4**	**14 669**	**1.2**	**19 126**	**8.2**	**1 165**
Parcel, U.S. Postal Service or courier	163 432	15.2	3 653	.3	4 238	1.8	1 164
Truck and rail	8 039	.7	5 117	.4	9 064	3.9	2 135
Truck and water	4 898	.5	3 721	.3	5 213	2.2	1 147
Rail and water	S	S	S	S	S	S	1 764
Other multiple modes	S	S	S	S	449	.2	1 473
Other and unknown modes	**62 754**	**5.8**	**88 573**	**7.1**	**22 336**	**9.5**	**297**

– 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	**1 076 658**	**862 921**	**24.8**	**1 250 570**	**1 218 233**	**2.7**	**234 473**	**251 992**	**–7.0**	**648**	**585**	**10.8**
Single modes	**836 822**	**661 803**	**26.4**	**1 147 328**	**1 104 550**	**3.9**	**193 012**	**206 222**	**–6.4**	**268**	**320**	**–16.2**
Truck[1]	700 812	575 796	21.7	953 645	899 550	6.0	123 621	118 894	4.0	196	188	4.4
For-hire truck	350 957	318 816	10.1	351 544	379 069	–7.3	87 186	89 048	–2.1	820	704	16.6
Private truck	342 388	254 637	34.5	539 992	505 011	6.9	33 029	28 324	16.6	60	54	12.1
Rail	16 819	20 183	–16.7	39 717	42 470	–6.5	44 498	44 835	–.8	1 363	1 181	15.4
Water	11 178	8 216	36.1	65 778	46 843	40.4	17 451	25 934	–32.7	860	1 425	–39.7
Shallow draft	3 853	2 200	75.1	27 466	23 297	17.9	3 806	2 250	69.2	231	132	74.3
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	7 325	6 015	21.8	38 311	23 546	62.7	13 645	23 684	–42.4	946	1 711	–44.7
Air (includes truck and air)	88 961	37 517	137.1	1 405	925	51.9	2 379	1 504	58.2	1 942	1 772	9.6
Pipeline[2]	19 053	20 092	–5.2	86 784	114 762	–24.4	S	S	S	S	S	S
Multiple modes	**177 082**	**126 211**	**40.3**	**14 669**	**13 696**	**7.1**	**19 126**	**18 847**	**1.5**	**1 165**	**965**	**20.7**
Parcel, U.S. Postal Service or courier	163 432	107 381	52.2	3 653	3 073	18.9	4 238	3 215	31.8	1 164	960	21.3
Truck and rail	8 039	S	S	5 117	4 155	23.2	9 064	9 546	–5.1	2 135	2 454	–13.0
Truck and water	4 898	2 699	81.4	3 721	S	S	5 213	5 845	–10.8	1 147	1 410	–18.7
Rail and water	S	S	S	S	S	S	S	S	S	1 764	1 744	1.1
Other multiple modes	S	S	S	S	S	S	449	S	S	1 473	S	S
Other and unknown modes	**62 754**	**74 907**	**–16.2**	**88 573**	**99 987**	**–11.4**	**22 336**	**26 923**	**–17.0**	**297**	**333**	**–11.0**

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

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

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

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single modes	**77.7**	**76.7**	**91.7**	**90.7**	**82.3**	**81.8**
Truck[1]	65.1	66.7	76.3	73.8	52.7	47.2
For-hire truck	32.6	36.9	28.1	31.1	37.2	35.3
Private truck	31.8	29.5	43.2	41.5	14.1	11.2
Rail	1.6	2.3	3.2	3.5	19.0	17.8
Water	1.0	1.0	5.3	3.8	7.4	10.3
Shallow draft	.4	.3	2.2	1.9	1.6	.9
Great Lakes	–	–	–	–	–	–
Deep draft	.7	.7	3.1	1.9	5.8	9.4
Air (includes truck and air)	8.3	4.3	.1	–	1.0	.6
Pipeline[2]	1.8	2.3	6.9	9.4	S	S
Multiple modes	**16.4**	**14.6**	**1.2**	**1.1**	**8.2**	**7.5**
Parcel, U.S. Postal Service or courier	15.2	12.4	.3	.3	1.8	1.3
Truck and rail	.7	S	.4	.3	3.9	3.8
Truck and water	.5	.3	.3	S	2.2	2.3
Rail and water	S	S	S	S	S	S
Other multiple modes	S	S	S	S	.2	S
Other and unknown modes	**5.8**	**8.7**	**7.1**	**8.2**	**9.5**	**10.7**

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

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

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

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

Mode of transportation[1]	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	**234 472**	**100.0**	**633**
Truck	124 477	53.1	191
Rail	53 495	22.8	1 567
Shallow draft	4 071	1.7	199
Great Lakes	S	S	1 092
Deep draft	18 439	7.9	1 122
Air	2 298	1.0	1 863
Parcel, U.S. Postal Service or courier	4 238	1.8	1 164
Pipeline	S	S	S
Other and unknown modes	22 390	9.5	297

– 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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**
Less than 50 miles	436 276	40.5	905 399	72.4	19 220	8.2
50 to 99 miles	83 843	7.8	97 429	7.8	9 203	3.9
100 to 249 miles	97 354	9.0	97 908	7.8	19 663	8.4
250 to 499 miles	87 884	8.2	57 269	4.6	23 648	10.1
500 to 749 miles	36 120	3.4	19 901	1.6	15 445	6.6
750 to 999 miles	42 015	3.9	16 490	1.3	18 398	7.8
1,000 to 1,499 miles	57 203	5.3	15 020	1.2	23 616	10.1
1,500 to 1,999 miles	99 005	9.2	20 802	1.7	47 066	20.1
2,000 miles or more	136 958	12.7	20 352	1.6	58 214	24.8
Single modes	**836 822**	**100.0**	**1 147 328**	**100.0**	**193 012**	**100.0**
Less than 50 miles	367 119	43.9	834 484	72.7	18 208	9.4
50 to 99 miles	72 367	8.6	92 838	8.1	8 707	4.5
100 to 249 miles	80 677	9.6	91 785	8.0	18 212	9.4
250 to 499 miles	66 939	8.0	53 155	4.6	21 958	11.4
500 to 749 miles	26 616	3.2	18 222	1.6	14 271	7.4
750 to 999 miles	31 193	3.7	14 228	1.2	15 788	8.2
1,000 to 1,499 miles	38 888	4.6	12 394	1.1	19 191	9.9
1,500 to 1,999 miles	64 639	7.7	16 380	1.4	36 926	19.1
2,000 miles or more	88 384	10.6	13 841	1.2	39 751	20.6
Truck[1]	**700 812**	**100.0**	**953 645**	**100.0**	**123 621**	**100.0**
Less than 50 miles	329 095	47.0	721 954	75.7	16 709	13.5
50 to 99 miles	69 137	9.9	82 225	8.6	7 837	6.3
100 to 249 miles	74 645	10.7	70 829	7.4	13 613	11.0
250 to 499 miles	58 208	8.3	33 485	3.5	13 750	11.1
500 to 749 miles	21 492	3.1	11 739	1.2	8 788	7.1
750 to 999 miles	20 788	3.0	9 261	1.0	9 924	8.0
1,000 to 1,499 miles	25 974	3.7	6 468	.7	9 815	7.9
1,500 to 1,999 miles	43 870	6.3	8 429	.9	17 796	14.4
2,000 miles or more	57 604	8.2	9 255	1.0	25 390	20.5
For-hire truck	**350 957**	**100.0**	**351 544**	**100.0**	**87 186**	**100.0**
Less than 50 miles	91 139	26.0	211 203	60.1	5 295	6.1
50 to 99 miles	26 827	7.6	38 904	11.1	3 825	4.4
100 to 249 miles	39 520	11.3	40 564	11.5	7 929	9.1
250 to 499 miles	45 544	13.0	23 493	6.7	9 793	11.2
500 to 749 miles	18 207	5.2	9 497	2.7	7 143	8.2
750 to 999 miles	17 608	5.0	7 167	2.0	7 750	8.9
1,000 to 1,499 miles	23 239	6.6	5 649	1.6	8 587	9.8
1,500 to 1,999 miles	38 440	11.0	7 310	2.1	15 512	17.8
2,000 miles or more	50 432	14.4	7 757	2.2	21 352	24.5
Private truck	**342 388**	**100.0**	**539 992**	**100.0**	**33 029**	**100.0**
Less than 50 miles	234 428	68.5	452 736	83.8	9 355	28.3
50 to 99 miles	41 857	12.2	41 490	7.7	3 806	11.5
100 to 249 miles	34 600	10.1	28 875	5.3	5 426	16.4
250 to 499 miles	11 810	3.4	9 550	1.8	3 776	11.4
500 to 749 miles	3 161	.9	2 133	.4	1 566	4.7
750 to 999 miles	2 875	.8	1 987	.4	2 056	6.2
1,000 to 1,499 miles	2 388	.7	779	.1	1 168	3.5
1,500 to 1,999 miles	5 144	1.5	1 078	.2	2 200	6.7
2,000 miles or more	6 125	1.8	1 363	.3	3 677	11.1
Rail	**16 819**	**100.0**	**39 717**	**100.0**	**44 498**	**100.0**
Less than 50 miles	1 189	7.1	6 048	15.2	239	.5
50 to 99 miles	181	1.1	S	S	S	S
100 to 249 miles	708	4.2	3 621	9.1	1 068	2.4
250 to 499 miles	1 798	10.7	8 753	22.0	4 455	10.0
500 to 749 miles	1 374	8.2	4 558	11.5	4 174	9.4
750 to 999 miles	1 930	11.5	3 824	9.6	4 808	10.8
1,000 to 1,499 miles	1 429	8.5	2 209	5.6	3 936	8.8
1,500 to 1,999 miles	4 735	28.2	5 651	14.2	13 909	31.3
2,000 miles or more	3 476	20.7	3 764	9.5	11 721	26.3
Water	**11 178**	**100.0**	**65 778**	**100.0**	**17 451**	**100.0**
Less than 50 miles	6 235	55.8	42 378	64.4	713	4.1
50 to 99 miles	233	2.1	S	S	S	S
100 to 249 miles	1 383	12.4	8 991	13.7	2 028	11.6
250 to 499 miles	800	7.2	S	S	2 434	14.0
500 to 749 miles	71	.6	174	.3	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	10.0	3 565	5.4	5 142	29.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	2.0	284	.4	S	S
Shallow draft	**3 853**	**100.0**	**27 466**	**100.0**	**3 806**	**100.0**
Less than 50 miles	1 810	47.0	13 454	49.0	204	5.4
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 141	29.6	8 335	30.3	1 868	49.1
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	31	.8	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**7 325**	**100.0**	**38 311**	**100.0**	**13 645**	**100.0**
Less than 50 miles	4 424	60.4	28 924	75.5	S	S
50 to 99 miles	87	1.2	S	S	S	S
100 to 249 miles	243	3.3	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	39	.5	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	1 116	15.2	3 565	9.3	5 142	37.7
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	223	3.1	284	.7	S	S
Air (includes truck and air)	**88 961**	**100.0**	**1 405**	**100.0**	**2 379**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	960	1.1	66	4.7	10	.4
100 to 249 miles	2 217	2.5	S	S	43	1.8
250 to 499 miles	5 363	6.0	128	9.1	64	2.7
500 to 749 miles	3 337	3.8	35	2.5	35	1.5
750 to 999 miles	8 119	9.1	134	9.6	150	6.3
1,000 to 1,499 miles	10 363	11.6	152	10.8	298	12.5
1,500 to 1,999 miles	15 271	17.2	142	10.1	308	12.9
2,000 miles or more	27 081	30.4	538	38.3	1 472	61.9
Pipeline[2]	**19 053**	**100.0**	**86 784**	**100.0**	**S**	**S**
Less than 50 miles	14 352	75.3	64 088	73.8	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 724	9.0	8 150	9.4	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**177 082**	**100.0**	**14 669**	**100.0**	**19 126**	**100.0**
Less than 50 miles	35 345	20.0	3 224	22.0	102	.5
50 to 99 miles	9 306	5.3	691	4.7	91	.5
100 to 249 miles	11 666	6.6	2 507	17.1	658	3.4
250 to 499 miles	17 164	9.7	542	3.7	246	1.3
500 to 749 miles	7 760	4.4	415	2.8	344	1.8
750 to 999 miles	8 887	5.0	819	5.6	941	4.9
1,000 to 1,499 miles	14 026	7.9	947	6.5	1 649	8.6
1,500 to 1,999 miles	29 234	16.5	2 265	15.4	5 610	29.3
2,000 miles or more	43 693	24.7	3 260	22.2	9 484	49.6
Parcel, U.S. Postal Service or courier	**163 432**	**100.0**	**3 653**	**100.0**	**4 238**	**100.0**
Less than 50 miles	33 848	20.7	770	21.1	21	.5
50 to 99 miles	8 887	5.4	253	6.9	24	.6
100 to 249 miles	10 618	6.5	339	9.3	68	1.6
250 to 499 miles	16 842	10.3	341	9.3	147	3.5
500 to 749 miles	7 510	4.6	148	4.1	115	2.7
750 to 999 miles	8 222	5.0	207	5.7	224	5.3
1,000 to 1,499 miles	13 352	8.2	272	7.4	420	9.9
1,500 to 1,999 miles	24 083	14.7	595	16.3	1 235	29.1
2,000 miles or more	40 070	24.5	726	19.9	1 985	46.8
Truck and rail	**8 039**	**100.0**	**5 117**	**100.0**	**9 064**	**100.0**
Less than 50 miles	197	2.4	834	16.3	42	.5
50 to 99 miles	47	.6	115	2.3	19	.2
100 to 249 miles	181	2.2	S	S	87	1.0
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	95	1.2	181	3.5	166	1.8
750 to 999 miles	494	6.2	453	8.9	555	6.1
1,000 to 1,499 miles	434	5.4	399	7.8	707	7.8
1,500 to 1,999 miles	4 494	55.9	1 401	27.4	3 438	37.9
2,000 miles or more	1 943	24.2	1 269	24.8	3 992	44.0
Truck and water	**4 898**	**100.0**	**3 721**	**100.0**	**5 213**	**100.0**
Less than 50 miles	S	S	144	3.9	5	–
50 to 99 miles	372	7.6	320	8.6	49	.9
100 to 249 miles	778	15.9	1 305	35.1	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	154	3.1	85	2.3	S	S
750 to 999 miles	141	2.9	109	2.9	106	2.0
1,000 to 1,499 miles	214	4.4	232	6.2	432	8.3
1,500 to 1,999 miles	654	13.4	258	6.9	912	17.5
2,000 miles or more	1 627	33.2	1 170	31.4	3 165	60.7

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Multiple modes—Con.						
Rail and water	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
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 multiple modes	**S**	**S**	**S**	**S**	**449**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	42	6.3	75	3.6	279	62.1
Other and unknown modes	**62 754**	**100.0**	**88 573**	**100.0**	**22 336**	**100.0**
Less than 50 miles	33 812	53.9	67 690	76.4	910	4.1
50 to 99 miles	2 169	3.5	S	S	S	S
100 to 249 miles	5 011	8.0	3 616	4.1	793	3.6
250 to 499 miles	3 781	6.0	S	S	S	S
500 to 749 miles	1 743	2.8	1 265	1.4	830	3.7
750 to 999 miles	1 934	3.1	S	S	S	S
1,000 to 1,499 miles	4 289	6.8	1 679	1.9	2 775	12.4
1,500 to 1,999 miles	5 133	8.2	2 157	2.4	4 531	20.3
2,000 miles or more	4 881	7.8	3 251	3.7	8 979	40.2

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

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

Table 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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**	**648**
Less than 50 lb	168 222	15.6	2 961	.2	2 002	.9	806
50 to 99 lb	54 091	5.0	2 158	.2	984	.4	456
100 to 499 lb	137 076	12.7	12 291	1.0	4 054	1.7	334
500 to 749 lb	42 589	4.0	5 817	.5	1 768	.8	299
750 to 999 lb	27 162	2.5	4 637	.4	1 368	.6	295
1,000 to 9,999 lb	231 990	21.5	78 900	6.3	25 575	10.9	329
10,000 to 49,999 lb	254 923	23.7	423 524	33.9	91 732	39.1	218
50,000 to 99,999 lb	62 820	5.8	348 260	27.8	25 966	11.1	73
100,000 lb or more	97 785	9.1	372 022	29.7	81 025	34.6	548
Single modes	**836 822**	**100.0**	**1 147 328**	**100.0**	**193 012**	**100.0**	**268**
Less than 50 lb	55 868	6.7	1 422	.1	410	.2	312
50 to 99 lb	29 263	3.5	1 459	.1	351	.2	239
100 to 499 lb	101 038	12.1	10 556	.9	2 625	1.4	240
500 to 749 lb	36 353	4.3	5 277	.5	1 282	.7	241
750 to 999 lb	24 040	2.9	4 308	.4	1 049	.5	244
1,000 to 9,999 lb	208 744	24.9	71 845	6.3	18 259	9.5	254
10,000 to 49,999 lb	234 479	28.0	404 897	35.3	74 740	38.7	187
50,000 to 99,999 lb	60 718	7.3	342 194	29.8	23 450	12.1	67
100,000 lb or more	86 319	10.3	305 371	26.6	70 846	36.7	523
Truck[1]	**700 812**	**100.0**	**953 645**	**100.0**	**123 621**	**100.0**	**196**
Less than 50 lb	37 653	5.4	1 347	.1	264	.2	193
50 to 99 lb	20 666	2.9	1 409	.1	255	.2	177
100 to 499 lb	88 335	12.6	10 340	1.1	2 213	1.8	201
500 to 749 lb	32 533	4.6	5 191	.5	1 156	.9	220
750 to 999 lb	22 573	3.2	4 264	.4	987	.8	231
1,000 to 9,999 lb	202 590	28.9	71 219	7.5	17 511	14.2	245
10,000 to 49,999 lb	226 311	32.3	401 225	42.1	68 766	55.6	175
50,000 to 99,999 lb	53 851	7.7	339 594	35.6	21 820	17.7	64
100,000 lb or more	16 299	2.3	119 056	12.5	10 650	8.6	114
For-hire truck	**350 957**	**100.0**	**351 544**	**100.0**	**87 186**	**100.0**	**820**
Less than 50 lb	12 118	3.5	177	–	191	.2	1 082
50 to 99 lb	9 206	2.6	194	–	181	.2	936
100 to 499 lb	43 094	12.3	1 926	.5	1 632	1.9	852
500 to 749 lb	17 663	5.0	1 083	.3	885	1.0	815
750 to 999 lb	12 545	3.6	1 001	.3	774	.9	769
1,000 to 9,999 lb	105 302	30.0	17 218	4.9	13 185	15.1	809
10,000 to 49,999 lb	117 496	33.5	144 029	41.0	50 539	58.0	388
50,000 to 99,999 lb	23 164	6.6	148 853	42.3	13 247	15.2	86
100,000 lb or more	10 370	3.0	37 063	10.5	6 552	7.5	253
Private truck	**342 388**	**100.0**	**539 992**	**100.0**	**33 029**	**100.0**	**60**
Less than 50 lb	25 438	7.4	1 166	.2	70	.2	56
50 to 99 lb	11 390	3.3	1 209	.2	71	.2	58
100 to 499 lb	44 626	13.0	8 344	1.5	557	1.7	64
500 to 749 lb	14 606	4.3	4 065	.8	261	.8	64
750 to 999 lb	9 767	2.9	3 226	.6	207	.6	64
1,000 to 9,999 lb	95 103	27.8	53 017	9.8	4 104	12.4	72
10,000 to 49,999 lb	105 907	30.9	238 323	44.1	16 903	51.2	71
50,000 to 99,999 lb	29 896	8.7	181 057	33.5	7 973	24.1	44
100,000 lb or more	5 655	1.7	49 585	9.2	2 883	8.7	68
Rail	**16 819**	**100.0**	**39 717**	**100.0**	**44 498**	**100.0**	**1 363**
Less than 50 lb	S	S	S	S	–	–	689
50 to 99 lb	S	S	S	S	S	S	575
100 to 499 lb	S	S	–	–	1	–	1 620
500 to 749 lb	S	S	S	S	S	S	2 352
750 to 999 lb	S	S	–	–	–	–	1 541
1,000 to 9,999 lb	294	1.7	48	.1	113	.3	2 248
10,000 to 49,999 lb	3 525	21.0	1 890	4.8	3 859	8.7	2 082
50,000 to 99,999 lb	724	4.3	2 191	5.5	1 409	3.2	560
100,000 lb or more	12 156	72.3	35 586	89.6	39 115	87.9	1 258
Water	**11 178**	**100.0**	**65 778**	**100.0**	**17 451**	**100.0**	**860**
Less than 50 lb	S	S	1	–	S	S	1 111
50 to 99 lb	10	–	1	–	–	–	376
100 to 499 lb	S	S	11	–	13	–	1 372
500 to 749 lb	S	S	6	–	4	–	702
750 to 999 lb	21	.2	8	–	12	–	1 529
1,000 to 9,999 lb	253	2.3	S	S	45	.3	S
10,000 to 49,999 lb	1 093	9.8	1 334	2.0	S	S	825
50,000 to 99,999 lb	76	.7	179	.3	160	.9	867
100,000 lb or more	9 566	85.6	64 056	97.4	15 565	89.2	339
Shallow draft	**3 853**	**100.0**	**27 466**	**100.0**	**3 806**	**100.0**	**231**
Less than 50 lb	S	S	–	–	S	S	98
50 to 99 lb	S	S	S	S	S	S	344
100 to 499 lb	S	S	S	S	S	S	361
500 to 749 lb	S	S	S	S	S	S	321
750 to 999 lb	S	S	S	S	S	S	82
1,000 to 9,999 lb	S	S	S	S	S	S	143
10,000 to 49,999 lb	S	S	46	.2	S	S	178
50,000 to 99,999 lb	S	S	15	–	1	–	72
100,000 lb or more	3 545	92.0	27 392	99.7	3 792	99.7	154

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	**7 325**	**100.0**	**38 311**	**100.0**	**13 645**	**100.0**	**946**
Less than 50 lb	S	S	1	–	S	S	1 229
50 to 99 lb	7	.1	1	–	–	–	393
100 to 499 lb	S	S	10	–	13	.1	1 453
500 to 749 lb	S	S	3	–	S	S	1 094
750 to 999 lb	18	.2	7	–	12	–	1 684
1,000 to 9,999 lb	214	2.9	S	S	43	.3	S
10,000 to 49,999 lb	899	12.3	1 288	3.4	S	S	850
50,000 to 99,999 lb	51	.7	164	.4	159	1.2	925
100,000 lb or more	6 022	82.2	36 664	95.7	11 772	86.3	631
Air (includes truck and air)	**88 961**	**100.0**	**1 405**	**100.0**	**2 379**	**100.0**	**1 942**
Less than 50 lb	18 121	20.4	74	5.3	146	6.1	1 952
50 to 99 lb	8 587	9.7	49	3.5	96	4.0	1 974
100 to 499 lb	12 580	14.1	204	14.5	397	16.7	1 950
500 to 749 lb	3 760	4.2	79	5.6	121	5.1	1 558
750 to 999 lb	1 441	1.6	36	2.5	49	2.1	1 378
1,000 to 9,999 lb	5 568	6.3	358	25.5	586	24.6	1 721
10,000 to 49,999 lb	S	S	249	17.7	461	19.4	1 850
50,000 to 99,999 lb	6 041	6.8	S	S	59	2.5	S
100,000 lb or more	29 364	33.0	225	16.0	S	S	2 045
Pipeline[2]	**19 053**	**100.0**	**86 784**	**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
1,000 to 9,999 lb	S	S	38	–	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	18 934	99.4	86 448	99.6	S	S	S
Multiple modes	**177 082**	**100.0**	**14 669**	**100.0**	**19 126**	**100.0**	**1 165**
Less than 50 lb	105 243	59.4	1 384	9.4	1 569	8.2	1 171
50 to 99 lb	21 927	12.4	585	4.0	619	3.2	1 053
100 to 499 lb	29 652	16.7	1 198	8.2	1 356	7.1	1 104
500 to 749 lb	4 732	2.7	314	2.1	384	2.0	1 208
750 to 999 lb	2 644	1.5	189	1.3	297	1.6	1 576
1,000 to 9,999 lb	4 241	2.4	453	3.1	661	3.5	1 441
10,000 to 49,999 lb	6 856	3.9	5 154	35.1	10 444	54.6	1 907
50,000 to 99,999 lb	322	.2	1 055	7.2	749	3.9	705
100,000 lb or more	1 465	.8	4 336	29.6	3 046	15.9	1 445
Parcel, U.S. Postal Service or courier	**163 432**	**100.0**	**3 653**	**100.0**	**4 238**	**100.0**	**1 164**
Less than 50 lb	105 133	64.3	1 381	37.8	1 566	37.0	1 171
50 to 99 lb	21 816	13.3	580	15.9	612	14.4	1 048
100 to 499 lb	29 337	18.0	1 151	31.5	1 325	31.3	1 117
500 to 749 lb	4 490	2.7	292	8.0	354	8.3	1 199
750 to 999 lb	2 501	1.5	165	4.5	257	6.1	1 565
1,000 to 9,999 lb	S	S	S	S	S	S	1 494
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**8 039**	**100.0**	**5 117**	**100.0**	**9 064**	**100.0**	**2 135**
Less than 50 lb	S	S	S	S	S	S	2 136
50 to 99 lb	S	S	S	S	S	S	2 399
100 to 499 lb	14	.2	2	–	4	–	2 578
500 to 749 lb	10	.1	2	–	4	–	1 915
750 to 999 lb	12	.1	3	–	6	–	2 491
1,000 to 9,999 lb	S	S	38	.7	85	.9	2 265
10,000 to 49,999 lb	5 007	62.3	3 131	61.2	6 889	76.0	2 155
50,000 to 99,999 lb	164	2.0	254	5.0	249	2.7	1 061
100,000 lb or more	692	8.6	1 688	33.0	1 825	20.1	1 531
Truck and water	**4 898**	**100.0**	**3 721**	**100.0**	**5 213**	**100.0**	**1 147**
Less than 50 lb	107	2.2	2	–	S	S	1 309
50 to 99 lb	109	2.2	4	.1	S	S	1 568
100 to 499 lb	301	6.1	45	1.2	28	.5	598
500 to 749 lb	231	4.7	21	.6	26	.5	1 263
750 to 999 lb	131	2.7	22	.6	34	.6	1 553
1,000 to 9,999 lb	1 950	39.8	329	8.8	451	8.7	1 328
10,000 to 49,999 lb	1 784	36.4	1 893	50.9	3 220	61.8	1 569
50,000 to 99,999 lb	141	2.9	S	S	466	8.9	583
100,000 lb or more	144	2.9	633	17.0	979	18.8	2 085

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**	**1 764**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	2 196
50,000 to 99,999 lb	S	S	S	S	S	S	1 158
100,000 lb or more	S	S	51	56.1	S	S	2 072
Other multiple modes	**S**	**S**	**S**	**S**	**449**	**100.0**	**1 473**
Less than 50 lb	S	S	S	S	S	S	62
50 to 99 lb	S	S	S	S	S	S	19
100 to 499 lb	S	S	S	S	S	S	1 638
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	57	8.6	120	5.8	312	69.4	2 401
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	137	30.5	272
Other and unknown modes	**62 754**	**100.0**	**88 573**	**100.0**	**22 336**	**100.0**	**297**
Less than 50 lb	7 112	11.3	155	.2	22	.1	226
50 to 99 lb	2 900	4.6	114	.1	14	–	113
100 to 499 lb	6 385	10.2	538	.6	73	.3	139
500 to 749 lb	1 504	2.4	226	.3	S	S	423
750 to 999 lb	478	.8	140	.2	22	.1	154
1,000 to 9,999 lb	19 005	30.3	6 603	7.5	6 655	29.8	1 026
10,000 to 49,999 lb	13 587	21.7	13 473	15.2	6 548	29.3	549
50,000 to 99,999 lb	1 781	2.8	5 010	5.7	1 767	7.9	377
100,000 lb or more	10 001	15.9	62 315	70.4	7 134	31.9	736

– 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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**	**648**
01	Live animals and live fish	S	S	S	S	S	S	1 146
02	Cereal grains	8 017	.7	58 812	4.7	5 017	2.1	152
03	Other agricultural products	23 382	2.2	25 184	2.0	17 613	7.5	300
04	Animal feed and products of animal origin, n.e.c.	5 548	.5	21 604	1.7	3 281	1.4	355
05	Meat, fish, seafood, and their preparations	29 109	2.7	10 753	.9	3 425	1.5	108
06	Milled grain products and preparations, and bakery products	15 653	1.5	13 921	1.1	5 499	2.3	S
07	Other prepared foodstuffs and fats and oils	45 877	4.3	53 894	4.3	22 183	9.5	166
08	Alcoholic beverages	20 498	1.9	15 192	1.2	7 229	3.1	166
09	Tobacco products	1 891	.2	163	–	19	–	132
10	Monumental or building stone	S	S	1 686	.1	S	S	S
11	Natural sands	511	–	46 971	3.8	1 897	.8	52
12	Gravel and crushed stone	1 593	.1	218 645	17.5	6 987	3.0	29
13	Nonmetallic minerals n.e.c.	S	S	5 948	.5	1 721	.7	209
14	Metallic ores and concentrates	1 507	.1	S	S	459	.2	282
15	Coal	S	S	S	S	S	S	25
17	Gasoline and aviation turbine fuel	45 906	4.3	162 197	13.0	13 169	5.6	41
18	Fuel oils	15 016	1.4	63 251	5.1	7 783	3.3	28
19	Coal and petroleum products, n.e.c.	7 440	.7	54 191	4.3	4 393	1.9	39
20	Basic chemicals	8 716	.8	12 737	1.0	4 343	1.9	465
21	Pharmaceutical products	21 531	2.0	828	–	466	.2	547
22	Fertilizers	2 455	.2	18 146	1.5	3 675	1.6	58
23	Chemical products and preparations, n.e.c.	25 176	2.3	9 264	.7	4 174	1.8	288
24	Plastics and rubber	25 237	2.3	7 649	.6	3 787	1.6	604
25	Logs and other wood in the rough	6 625	.6	91 982	7.4	6 653	2.8	64
26	Wood products	27 947	2.6	69 223	5.5	30 158	12.9	266
27	Pulp, newsprint, paper, and paperboard	12 175	1.1	16 729	1.3	9 494	4.0	215
28	Paper or paperboard articles	14 404	1.3	16 280	1.3	4 011	1.7	289
29	Printed products	24 618	2.3	10 334	.8	3 263	1.4	492
30	Textiles, leather, and articles of textiles or leather	61 264	5.7	4 275	.3	3 349	1.4	1 399
31	Nonmetallic mineral products	15 222	1.4	114 167	9.1	12 000	5.1	340
32	Base metal in primary or semifinished forms and in finished basic shapes	26 917	2.5	21 264	1.7	9 648	4.1	427
33	Articles of base metal	28 179	2.6	10 398	.8	6 312	2.7	490
34	Machinery	40 942	3.8	3 387	.3	3 226	1.4	514
35	Electronic and other electrical equipment and components and office equipment	226 446	21.0	5 774	.5	6 076	2.6	821
36	Motorized and other vehicles (including parts)	37 148	3.5	4 879	.4	2 621	1.1	458
37	Transportation equipment, n.e.c.	60 942	5.7	496	–	306	.1	999
38	Precision instruments and apparatus	36 049	3.3	501	–	457	.2	1 387
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	11 731	1.1	2 227	.2	1 965	.8	773
40	Miscellaneous manufactured products	80 561	7.5	11 625	.9	7 363	3.1	1 411
41	Waste and scrap	4 834	.4	29 055	2.3	6 315	2.7	139
43	Mixed freight	47 074	4.4	23 679	1.9	2 732	1.2	424
--	Commodity unknown	6 641	.6	6 877	.5	1 215	.5	506

– 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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**	**648**
010	Live animals and live fish	S	S	S	S	S	S	1 146
021	Wheat	3 992	.4	28 215	2.3	2 789	1.2	133
022	Corn, except sweet	3 212	.3	25 647	2.1	S	S	150
029	Other cereal grains	813	–	S	S	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	1 231	.1	2 661	.2	423	.2	40
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	6 237	.6	6 432	.5	3 917	1.7	111
033	Fresh, chilled, or dried edible fruit and nuts	8 996	.8	8 810	.7	8 085	3.4	323
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	S	S	417	–	67	–	198
036	Bulbs, live plants, and seeds for sowing, n.e.c.	1 897	.2	1 139	–	1 385	.6	669
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	4 351	.4	3 761	.3	3 724	1.6	452
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.	1 682	.2	8 076	.6	1 483	.6	117
042	Animal feed preparations	3 866	.4	13 528	1.1	1 798	.8	445
051	Meat including poultry, except preparations	16 001	1.5	7 835	.6	1 614	.7	103
052	Fish, except live, and seafood, except preparations	11 761	1.1	2 415	.2	1 534	.7	111
053	Preparations, extracts, and juices of meat, fish, or seafood	1 347	.1	502	–	277	.1	S
061	Wheat flour, groats, and meal	991	–	S	S	S	S	102
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	1 343	.1	2 380	.2	2 214	.9	301
063	Food preparations of cereals, flour, starch, or milk	3 613	.3	2 315	.2	1 353	.6	210
064	Bakery products	9 705	.9	5 816	.5	1 456	.6	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	11 417	1.1	13 435	1.1	3 995	1.7	84
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13 184	1.2	11 107	.9	11 288	4.8	254
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	2 278	.2	460	–	278	.1	387
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	1 290	.1	1 539	.1	480	.2	172
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	1 100	.1	2 088	.2	1 271	.5	295
076	Confectionery, cocoa, and cocoa preparations	2 262	.2	614	–	209	–	144
077	Edible preparations, n.e.c. and vinegar	6 738	.6	3 786	.3	3 186	1.4	342
078	Nonalcoholic beverages, n.e.c. and ice	7 607	.7	20 864	1.7	1 476	.6	44
081	Malt Beer	8 022	.7	9 559	.8	1 986	.8	33
082	Wine and other fermented beverages	9 043	.8	4 671	.4	4 939	2.1	535
083	Spirituous beverages and ethyl alcohol	3 433	.3	962	–	S	S	84
090	Tobacco products	1 891	.2	163	–	19	–	132
100	Monumental or building stone, except dolomite	S	S	1 686	.1	S	S	S
110	Natural sands, except metal-bearing	511	–	46 971	3.8	1 897	.8	52
120	Gravel and crushed stone, except dolomite and slate	1 593	.1	218 645	17.5	6 987	3.0	29
131	Salt	S	S	S	S	S	S	113
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	45
133	Dolomite	36	–	975	–	S	S	71
139	Other nonmetallic minerals	276	–	3 412	.3	S	S	281
141	Iron ores and concentrates	S	S	S	S	S	S	57
149	Other metallic ores and concentrates	1 506	.1	S	S	452	.2	319
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	4
159	Other coal	S	S	S	S	S	S	66
171	Gasoline	41 973	3.9	143 532	11.5	12 234	5.2	40
172	Aviation turbine fuel (types A and B)	3 934	.4	18 665	1.5	935	.4	71
180	Fuel oils	15 016	1.4	63 251	5.1	7 783	3.3	28
191	Lubricating oils and greases	2 569	.2	S	S	S	S	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	898	–	5 553	.4	701	.3	25
193	Gaseous hydrocarbons	1 200	.1	3 857	.3	829	.4	S
199	Other products of petroleum refining, and coal products	2 772	.3	40 818	3.3	1 713	.7	39
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	336	–	1 005	–	371	.2	154
202	Inorganic chemicals, n.e.c.	3 578	.3	9 733	.8	2 655	1.1	176
203	Cyclic hydrocarbons	22	–	20	–	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	547	–	624	–	304	.1	583
205	Organic chemicals, n.e.c.	4 233	.4	1 355	.1	1 010	.4	759
210	Pharmaceutical products	21 531	2.0	828	–	466	.2	547
220	Fertilizers and fertilizer materials	2 455	.2	18 146	1.5	3 675	1.6	58
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	5 982	.6	2 506	.2	1 038	.4	263
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	5 765	.5	619	–	431	.2	366
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	2 414	.2	2 537	.2	696	.3	184
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	3 827	.4	175	–	70	–	362
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	2 858	.3	753	–	288	.1	66
239	Other chemical products and preparations	4 331	.4	2 673	.2	1 650	.7	233
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 589	.1	972	–	358	.2	245
242	Manmade fibers and plastics basic shapes and articles	18 330	1.7	5 052	.4	2 817	1.2	618

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	5 319	.5	1 625	.1	612	.3	603
250	Logs and other wood in the rough	6 625	.6	91 982	7.4	6 653	2.8	64
261	Wood chips or particles	782	–	18 835	1.5	1 876	.8	91
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	15 362	1.4	30 847	2.5	15 746	6.7	241
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	6 794	.6	13 717	1.1	10 202	4.4	245
264	Builders' joinery and carpentry of wood, except shingles and shakes	2 815	.3	1 136	–	910	.4	294
269	Other wood products	2 194	.2	4 689	.4	1 424	.6	415
271	Pulp of fibrous cellulosic materials	528	–	1 131	–	543	.2	434
272	Newsprint in large rolls or sheets	1 844	.2	2 792	.2	1 984	.8	298
273	Uncoated paper and paperboard in large rolls or sheets	6 802	.6	10 395	.8	6 046	2.6	113
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 001	.3	2 412	.2	921	.4	363
280	Paper or paperboard articles	14 404	1.3	16 280	1.3	4 011	1.7	289
291	Printed books, brochures, leaflets, and similar printed products	7 080	.7	715	–	509	.2	1 114
292	Newspapers, journals, and periodicals	8 165	.8	7 043	.6	620	.3	189
293	Advertising material, commercial or trade catalogues, and similar printed products	4 177	.4	1 773	.1	1 676	.7	1 260
299	Other printed products	5 196	.5	803	–	457	.2	611
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3 781	.4	502	–	209	–	699
302	Textile clothing and accessories, and headgear, except safety	39 982	3.7	1 434	.1	1 669	.7	1 612
303	Textiles and textile articles, n.e.c.	11 511	1.1	2 022	.2	967	.4	1 064
304	Footwear	4 172	.4	192	–	S	S	1 617
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 818	.2	125	–	158	–	1 304
311	Hydraulic cements	1 065	.1	17 109	1.4	2 779	1.2	117
312	Ceramic products	1 637	.2	1 331	.1	917	.4	824
313	Glass and glass products	4 968	.5	6 156	.5	1 340	.6	459
319	Other nonmetallic mineral products	7 552	.7	89 570	7.2	6 964	3.0	81
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 577	.1	1 223	.1	451	.2	199
322	Flat-rolled products of iron or steel	6 331	.6	7 969	.6	1 778	.8	193
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 568	.6	6 751	.5	3 741	1.6	299
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	12 441	1.2	5 321	.4	3 679	1.6	662
331	Pipes, tubes, and fittings	6 043	.6	3 585	.3	1 856	.8	195
332	Structures and parts, except prefabricated buildings	5 075	.5	1 929	.2	1 493	.6	543
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	10 358	1.0	1 893	.2	1 604	.7	580
339	Other articles of metal	6 703	.6	2 991	.2	1 359	.6	432
341	Internal-combustion piston engines	3 960	.4	386	–	274	.1	391
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	S	S	46	–	32	–	527
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4 817	.4	270	–	241	.1	553
344	Air-conditioning, refrigerating, or freezing equipment	3 059	.3	384	–	335	.1	S
345	Materials-handling, excavating, boring, and related machinery and equipment	3 071	.3	462	–	263	.1	537
349	Other machinery	23 253	2.2	1 839	.1	2 079	.9	587
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 302	.4	267	–	206	–	444
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 647	.2	127	–	91	–	424
353	Line telephone or telegraph apparatus	28 866	2.7	432	–	688	.3	1 236
354	Electronic entertainment products, except parts	16 440	1.5	1 362	.1	S	S	1 492
355	Computer and office equipment	70 027	6.5	967	–	1 036	.4	1 031
356	Prepared unrecorded or prerecorded media	9 499	.9	225	–	237	.1	1 151
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	2 884	.3	27	–	27	–	1 323
358	Electronic components and parts	55 053	5.1	318	–	257	.1	1 167
359	Other electronic and electrical equipment	37 729	3.5	2 048	.2	1 033	.4	404
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	4 682	.4	549	–	62	–	365
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	4 095	.4	536	–	584	.2	578
363	Other vehicles	6 090	.6	865	–	540	.2	1 270
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	22 281	2.1	2 929	.2	1 434	.6	364
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	565	–	232	–	S	S	2 117
372	Aircraft and spacecraft	58 685	5.5	136	–	121	–	969
373	Ships, boats, and floating structures	1 692	.2	128	–	145	–	696
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	3 471	.3	25	–	28	–	1 346
382	Photographic and photocopying machines	6 169	.6	203	–	145	–	1 053
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	1 076	.1	7	–	8	–	1 172
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	12 110	1.1	180	–	172	–	1 544
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	13 223	1.2	87	–	105	–	1 172

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	11 731	1.1	2 227	.2	1 965	.8	773
401	Arms and ammunition	389	–	15	–	S	S	1 327
402	Toys, games, and sporting equipment	S	S	S	S	1 320	.6	1 892
409	Miscellaneous manufactured products	43 811	4.1	8 676	.7	S	S	1 291
411	Metallic waste and scrap	3 114	.3	11 402	.9	1 992	.8	140
412	Nonmetallic waste and scrap, except from food processing	1 720	.2	17 653	1.4	4 323	1.8	S
439	Mixed freight	47 074	4.4	23 679	1.9	2 732	1.2	424
—	Commodity unknown	6 641	.6	6 877	.5	1 215	.5	506

– 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	**1 076 658**	**100.0**	**1 250 570**	**100.0**	**234 473**	**100.0**	**648**
Single modes	**836 822**	**77.7**	**1 147 328**	**91.7**	**193 012**	**82.3**	**268**
Truck[1]	700 812	65.1	953 645	76.3	123 621	52.7	196
For-hire truck	350 957	32.6	351 544	28.1	87 186	37.2	820
Private truck	342 388	31.8	539 992	43.2	33 029	14.1	60
Rail	16 819	1.6	39 717	3.2	44 498	19.0	1 363
Water	11 178	1.0	65 778	5.3	17 451	7.4	860
Shallow draft	3 853	.4	27 466	2.2	3 806	1.6	231
Great Lakes	–	–	–	–	–	–	–
Deep draft	7 325	.7	38 311	3.1	13 645	5.8	946
Air (includes truck and air)	88 961	8.3	1 405	.1	2 379	1.0	1 942
Pipeline[2]	19 053	1.8	86 784	6.9	S	S	S
Multiple modes	**177 082**	**16.4**	**14 669**	**1.2**	**19 126**	**8.2**	**1 165**
Parcel, U.S. Postal Service or courier	163 432	15.2	3 653	.3	4 238	1.8	1 164
Truck and rail	8 039	.7	5 117	.4	9 064	3.9	2 135
Truck and water	4 898	.5	3 721	.3	5 213	2.2	1 147
Rail and water	S	S	S	S	S	S	1 764
Other multiple modes	S	S	S	S	449	.2	1 473
Other and unknown modes	**62 754**	**5.8**	**88 573**	**7.1**	**22 336**	**9.5**	**297**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**1 146**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 232**
Truck[1]	S	S	S	S	S	S	29
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	29
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 795
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**261**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	261
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**32**
SCTG 02, CEREAL GRAINS							
Total	**8 017**	**100.0**	**58 812**	**100.0**	**5 017**	**100.0**	**152**
Single modes	**4 158**	**51.9**	**29 497**	**50.2**	**4 158**	**82.9**	**130**
Truck[1]	825	10.3	4 422	7.5	696	13.9	115
For-hire truck	463	5.8	2 827	4.8	568	11.3	300
Private truck	273	3.4	921	1.6	42	.8	34
Rail	169	2.1	1 155	2.0	719	14.3	821
Water	3 163	39.5	23 920	40.7	2 743	54.7	258
Shallow draft	2 101	26.2	15 972	27.2	2 731	54.4	272
Great Lakes	–	–	–	–	–	–	–
Deep draft	1 063	13.3	7 948	13.5	13	.2	115
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**578**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	728
Truck and rail	20	.2	S	S	S	S	2 550
Truck and water	S	S	S	S	S	S	448
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**3 742**	**46.7**	**28 537**	**48.5**	**482**	**9.6**	**154**

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	**23 382**	**100.0**	**25 184**	**100.0**	**17 613**	**100.0**	**300**
Single modes	**20 762**	**88.8**	**21 374**	**84.9**	**13 722**	**77.9**	**171**
Truck[1]	19 595	83.8	19 794	78.6	11 907	67.6	114
For-hire truck	10 803	46.2	9 695	38.5	9 135	51.9	1 101
Private truck	8 651	37.0	9 807	38.9	2 737	15.5	S
Rail	554	2.4	579	2.3	1 445	8.2	2 565
Water	S	S	S	S	S	S	385
Shallow draft	S	S	S	S	S	S	118
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	390
Air (includes truck and air)	353	1.5	153	.6	S	S	2 680
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**914**	**3.9**	**492**	**2.0**	**1 258**	**7.1**	**1 776**
Parcel, U.S. Postal Service or courier	238	1.0	14	–	S	S	1 763
Truck and rail	540	2.3	390	1.5	1 008	5.7	2 581
Truck and water	135	.6	88	.4	223	1.3	1 906
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 706**	**7.3**	**3 318**	**13.2**	**2 633**	**15.0**	**1 384**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**5 548**	**100.0**	**21 604**	**100.0**	**3 281**	**100.0**	**355**
Single modes	**5 138**	**92.6**	**20 683**	**95.7**	**2 873**	**87.6**	**209**
Truck[1]	5 063	91.3	20 331	94.1	2 728	83.2	208
For-hire truck	1 816	32.7	7 337	34.0	1 685	51.4	704
Private truck	2 780	50.1	10 094	46.7	746	22.7	56
Rail	S	S	S	S	87	2.6	301
Water	S	S	S	S	S	S	369
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	369
Air (includes truck and air)	S	S	–	–	S	S	574
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**128**	**.6**	**272**	**8.3**	**1 288**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 279
Truck and rail	S	S	S	S	S	S	1 312
Truck and water	S	S	S	S	S	S	1 832
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	2 956
Other and unknown modes	**235**	**4.2**	**793**	**3.7**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**29 109**	**100.0**	**10 753**	**100.0**	**3 425**	**100.0**	**108**
Single modes	**27 331**	**93.9**	**10 278**	**95.6**	**2 950**	**86.1**	**90**
Truck[1]	26 175	89.9	9 767	90.8	2 247	65.6	65
For-hire truck	7 928	27.2	2 460	22.9	1 571	45.9	638
Private truck	17 635	60.6	7 140	66.4	666	19.5	40
Rail	S	S	S	S	S	S	1 046
Water	806	2.8	462	4.3	S	S	1 356
Shallow draft	S	S	78	.7	S	S	149
Great Lakes	–	–	–	–	–	–	–
Deep draft	623	2.1	S	S	S	S	1 630
Air (includes truck and air)	339	1.2	45	.4	61	1.8	1 814
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**657**	**2.3**	**168**	**1.6**	**251**	**7.3**	**1 130**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 149
Truck and rail	S	S	S	S	S	S	522
Truck and water	453	1.6	135	1.3	S	S	1 082
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	30
Other and unknown modes	**1 121**	**3.9**	**307**	**2.9**	**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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**15 653**	**100.0**	**13 921**	**100.0**	**5 499**	**100.0**	**S**
Single modes	**15 164**	**96.9**	**13 472**	**96.8**	**4 955**	**90.1**	**S**
Truck[1]	14 703	93.9	12 724	91.4	3 550	64.6	S
For-hire truck	4 943	31.6	6 128	44.0	2 515	45.7	348
Private truck	9 678	61.8	6 452	46.3	979	17.8	35
Rail	418	2.7	693	5.0	1 356	24.7	2 154
Water	29	.2	S	S	33	.6	2 123
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	29	.2	S	S	33	.6	2 123
Air (includes truck and air)	13	–	10	–	S	S	878
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**228**	**1.5**	**250**	**1.8**	**479**	**8.7**	**1 415**
Parcel, U.S. Postal Service or courier	S	S	3	–	S	S	1 452
Truck and rail	149	1.0	165	1.2	289	5.2	1 813
Truck and water	59	.4	81	.6	185	3.4	1 028
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	2 722
Other and unknown modes	**261**	**1.7**	**199**	**1.4**	**65**	**1.2**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**45 877**	**100.0**	**53 894**	**100.0**	**22 183**	**100.0**	**166**
Single modes	**42 856**	**93.4**	**51 856**	**96.2**	**19 208**	**86.6**	**124**
Truck[1]	40 628	88.6	48 443	89.9	13 097	59.0	113
For-hire truck	16 779	36.6	17 258	32.0	9 749	43.9	667
Private truck	23 752	51.8	30 996	57.5	3 328	15.0	50
Rail	1 995	4.3	2 525	4.7	6 011	27.1	2 363
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	21
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	59	.1	15	–	35	.2	1 907
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 178**	**4.7**	**1 318**	**2.4**	**2 624**	**11.8**	**1 009**
Parcel, U.S. Postal Service or courier	259	.6	28	–	26	.1	989
Truck and rail	S	S	619	1.1	1 574	7.1	2 547
Truck and water	532	1.2	645	1.2	903	4.1	800
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	2 979
Other and unknown modes	**843**	**1.8**	**721**	**1.3**	**351**	**1.6**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**20 498**	**100.0**	**15 192**	**100.0**	**7 229**	**100.0**	**166**
Single modes	**18 931**	**92.4**	**14 103**	**92.8**	**5 218**	**72.2**	**107**
Truck[1]	17 751	86.6	13 004	85.6	3 363	46.5	55
For-hire truck	6 710	32.7	4 517	29.7	2 818	39.0	383
Private truck	11 042	53.9	8 487	55.9	544	7.5	39
Rail	1 139	5.6	1 086	7.1	S	S	1 932
Water	S	S	S	S	S	S	2 764
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	2 764
Air (includes truck and air)	S	S	S	S	S	S	3 022
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 313**	**6.4**	**800**	**5.3**	**1 816**	**25.1**	**806**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	754
Truck and rail	967	4.7	607	4.0	1 588	22.0	2 549
Truck and water	187	.9	150	1.0	S	S	908
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	62
Other and unknown modes	**254**	**1.2**	**289**	**1.9**	**S**	**S**	**600**

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	**1 891**	**100.0**	**163**	**100.0**	**19**	**100.0**	**132**
Single modes	**1 803**	**95.3**	**158**	**97.3**	**17**	**90.2**	**88**
Truck[1]	1 783	94.3	158	97.0	17	89.6	80
For-hire truck	S	S	S	S	S	S	S
Private truck	1 744	92.2	156	95.8	15	79.0	80
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	50
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	50
Air (includes truck and air)	S	S	S	S	S	S	440
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**1**	**4.0**	**946**
Parcel, U.S. Postal Service or courier	S	S	S	S	1	4.0	946
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**50**	**2.7**	**S**	**S**	**S**	**S**	**59**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**1 686**	**100.0**	**S**	**S**	**S**
Single modes	**S**	**S**	**1 653**	**98.0**	**S**	**S**	**57**
Truck[1]	S	S	1 649	97.8	S	S	57
For-hire truck	37	9.0	373	22.1	22	18.2	59
Private truck	S	S	S	S	S	S	59
Rail	S	S	S	S	S	S	9
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**	**257**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	303
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**580**
SCTG 11, NATURAL SANDS							
Total	**511**	**100.0**	**46 971**	**100.0**	**1 897**	**100.0**	**52**
Single modes	**504**	**98.8**	**46 593**	**99.2**	**1 836**	**96.8**	**50**
Truck[1]	488	95.5	43 531	92.7	1 633	86.1	50
For-hire truck	209	41.0	11 104	23.6	420	22.2	S
Private truck	214	41.8	19 296	41.1	877	46.3	51
Rail	7	1.4	237	.5	118	6.2	652
Water	S	S	S	S	S	S	30
Shallow draft	S	S	S	S	S	S	30
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**861**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 573
Truck and rail	S	S	S	S	S	S	2 244
Truck and water	S	S	S	S	S	S	318
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**6**	**1.1**	**S**	**S**	**S**	**S**	**219**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	**1 593**	**100.0**	**218 645**	**100.0**	**6 987**	**100.0**	**29**
Single modes	**1 547**	**97.1**	**212 046**	**97.0**	**6 862**	**98.2**	**29**
Truck[1]	1 504	94.4	205 727	94.1	6 043	86.5	29
For-hire truck	556	34.9	84 016	38.4	2 454	35.1	29
Private truck	792	49.7	95 238	43.6	2 604	37.3	S
Rail	S	S	S	S	S	S	277
Water	S	S	S	S	S	S	97
Shallow draft	S	S	S	S	S	S	103
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	16
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**46**	**2.9**	**S**	**S**	**S**	**S**	**16**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**S**	**S**	**5 948**	**100.0**	**1 721**	**100.0**	**209**
Single modes	**S**	**S**	**5 231**	**88.0**	**749**	**43.5**	**89**
Truck[1]	S	S	5 178	87.1	629	36.6	82
For-hire truck	145	15.5	1 390	23.4	382	22.2	247
Private truck	S	S	3 494	58.8	202	11.7	42
Rail	12	1.3	53	.9	120	6.9	2 333
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	2 627
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**31**	**3.3**	**57**	**1.0**	**137**	**8.0**	**907**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	780
Truck and rail	18	1.9	45	.8	122	7.1	2 692
Truck and water	S	S	S	S	S	S	1 831
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23**	**2.4**	**S**	**S**	**S**	**S**	**600**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**1 507**	**100.0**	**S**	**S**	**459**	**100.0**	**282**
Single modes	**1 350**	**89.6**	**S**	**S**	**S**	**S**	**S**
Truck[1]	1 138	75.5	183	20.5	S	S	S
For-hire truck	487	32.3	66	7.4	S	S	1 110
Private truck	S	S	S	S	S	S	S
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	37
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	37
Air (includes truck and air)	S	S	S	S	S	S	1 614
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**518**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	508
Truck and rail	S	S	S	S	S	S	2 770
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**248**

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	**S**	**S**	**S**	**S**	**S**	**S**	**25**
Single modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Truck[1]	–	–	–	–	–	–	–
For-hire truck	–	–	–	–	–	–	–
Private truck	–	–	–	–	–	–	–
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**25**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**45 906**	**100.0**	**162 197**	**100.0**	**13 169**	**100.0**	**41**
Single modes	**45 685**	**99.5**	**161 384**	**99.5**	**13 122**	**99.6**	**43**
Truck[1]	28 572	62.2	86 385	53.3	4 015	30.5	41
For-hire truck	6 821	14.9	19 836	12.2	1 871	14.2	103
Private truck	21 425	46.7	65 502	40.4	2 102	16.0	26
Rail	222	.5	1 264	.8	538	4.1	426
Water	S	S	S	S	6 436	48.9	485
Shallow draft	S	S	S	S	S	S	250
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	6 110	46.4	659
Air (includes truck and air)	S	S	S	S	S	S	1 006
Pipeline[2]	13 812	30.1	59 496	36.7	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	2 157
Truck and rail	S	S	S	S	S	S	49
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	101
Other and unknown modes	**151**	**.3**	**459**	**.3**	**S**	**S**	**10**
SCTG 18, FUEL OILS							
Total	**15 016**	**100.0**	**63 251**	**100.0**	**7 783**	**100.0**	**28**
Single modes	**14 320**	**95.4**	**61 335**	**97.0**	**7 648**	**98.3**	**30**
Truck[1]	8 783	58.5	30 694	48.5	1 593	20.5	28
For-hire truck	2 886	19.2	11 382	18.0	930	12.0	S
Private truck	5 843	38.9	19 034	30.1	638	8.2	20
Rail	216	1.4	1 206	1.9	S	S	725
Water	1 014	6.8	6 946	11.0	2 454	31.5	340
Shallow draft	407	2.7	3 000	4.7	137	1.8	65
Great Lakes	–	–	–	–	–	–	–
Deep draft	608	4.0	3 946	6.2	S	S	429
Air (includes truck and air)	S	S	S	S	S	S	248
Pipeline[2]	4 306	28.7	22 488	35.6	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 706
Truck and rail	S	S	S	S	S	S	151
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	28
Other and unknown modes	**640**	**4.3**	**1 478**	**2.3**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**7 440**	**100.0**	**54 191**	**100.0**	**4 393**	**100.0**	**39**
Single modes	**6 274**	**84.3**	**50 198**	**92.6**	**3 394**	**77.3**	**31**
Truck[1]	4 768	64.1	37 505	69.2	1 708	38.9	27
For-hire truck	1 865	25.1	17 302	31.9	1 037	23.6	111
Private truck	2 583	34.7	12 051	22.2	438	10.0	22
Rail	303	4.1	1 459	2.7	790	18.0	629
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	40
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	2 365
Pipeline[2]	409	5.5	2 553	4.7	S	S	S
Multiple modes	**231**	**3.1**	**464**	**.9**	**156**	**3.6**	**S**
Parcel, U.S. Postal Service or courier	22	.3	4	–	1	–	S
Truck and rail	S	S	S	S	S	S	S
Truck and water	156	2.1	222	.4	106	2.4	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	217
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**8 716**	**100.0**	**12 737**	**100.0**	**4 343**	**100.0**	**465**
Single modes	**7 126**	**81.8**	**12 141**	**95.3**	**4 170**	**96.0**	**218**
Truck[1]	6 283	72.1	10 113	79.4	1 471	33.9	203
For-hire truck	3 636	41.7	2 903	22.8	1 053	24.2	994
Private truck	2 618	30.0	7 179	56.4	416	9.6	52
Rail	718	8.2	1 726	13.5	2 607	60.0	1 559
Water	S	S	S	S	S	S	1 271
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 271
Air (includes truck and air)	S	S	1	–	1	–	1 490
Pipeline[2]	18	.2	240	1.9	S	S	S
Multiple modes	**1 272**	**14.6**	**95**	**.7**	**142**	**3.3**	**987**
Parcel, U.S. Postal Service or courier	1 192	13.7	48	.4	46	1.1	988
Truck and rail	64	.7	33	.3	88	2.0	2 698
Truck and water	S	S	S	S	8	.2	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	657
Other and unknown modes	**318**	**3.6**	**S**	**S**	**S**	**S**	**148**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**21 531**	**100.0**	**828**	**100.0**	**466**	**100.0**	**547**
Single modes	**12 830**	**59.6**	**699**	**84.4**	**392**	**84.1**	**341**
Truck[1]	11 006	51.1	651	78.6	282	60.7	112
For-hire truck	2 708	12.6	213	25.8	240	51.5	518
Private truck	8 297	38.5	438	52.9	S	S	72
Rail	S	S	S	S	S	S	2 522
Water	S	S	S	S	S	S	1 338
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 338
Air (includes truck and air)	1 701	7.9	14	1.7	27	5.9	1 966
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**8 131**	**37.8**	**104**	**12.6**	**49**	**10.5**	**625**
Parcel, U.S. Postal Service or courier	7 837	36.4	97	11.7	43	9.1	626
Truck and rail	S	S	S	S	S	S	2 129
Truck and water	291	1.4	7	.8	S	S	317
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 523**

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	**2 455**	**100.0**	**18 146**	**100.0**	**3 675**	**100.0**	**58**
Single modes	**2 189**	**89.2**	**15 634**	**86.2**	**3 503**	**95.3**	**53**
Truck[1]	2 022	82.4	13 886	76.5	881	24.0	47
For-hire truck	502	20.4	2 631	14.5	341	9.3	151
Private truck	1 518	61.8	11 247	62.0	S	S	35
Rail	113	4.6	S	S	S	S	812
Water	S	S	S	S	S	S	S
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**73**	**.4**	**98**	**2.7**	**355**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	S
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	73	.4	98	2.7	1 273
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**245**	**10.0**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**25 176**	**100.0**	**9 264**	**100.0**	**4 174**	**100.0**	**288**
Single modes	**19 435**	**77.2**	**8 717**	**94.1**	**3 888**	**93.1**	**178**
Truck[1]	18 673	74.2	8 013	86.5	2 634	63.1	153
For-hire truck	10 592	42.1	4 762	51.4	2 326	55.7	534
Private truck	8 019	31.9	3 240	35.0	305	7.3	46
Rail	202	.8	287	3.1	657	15.7	2 341
Water	S	S	S	S	S	S	856
Shallow draft	S	S	S	S	S	S	2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	860
Air (includes truck and air)	S	S	22	.2	45	1.1	1 644
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 590**	**14.3**	**252**	**2.7**	**225**	**5.4**	**434**
Parcel, U.S. Postal Service or courier	3 433	13.6	199	2.1	92	2.2	431
Truck and rail	S	S	S	S	S	S	2 736
Truck and water	105	.4	24	.3	59	1.4	1 111
Rail and water	S	S	S	S	S	S	1 946
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**296**	**3.2**	**61**	**1.5**	**281**
SCTG 24, PLASTICS AND RUBBER							
Total	**25 237**	**100.0**	**7 649**	**100.0**	**3 787**	**100.0**	**604**
Single modes	**19 630**	**77.8**	**6 901**	**90.2**	**3 249**	**85.8**	**222**
Truck[1]	18 998	75.3	6 621	86.6	2 995	79.1	190
For-hire truck	10 334	40.9	3 316	43.3	2 592	68.4	770
Private truck	8 526	33.8	3 192	41.7	363	9.6	56
Rail	348	1.4	260	3.4	216	5.7	1 800
Water	21	–	4	–	S	S	1 560
Shallow draft	S	S	S	S	S	S	69
Great Lakes	–	–	–	–	–	–	–
Deep draft	20	–	4	–	S	S	1 655
Air (includes truck and air)	263	1.0	17	.2	29	.8	1 860
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**4 337**	**17.2**	**278**	**3.6**	**427**	**11.3**	**1 206**
Parcel, U.S. Postal Service or courier	4 140	16.4	199	2.6	231	6.1	1 206
Truck and rail	161	.6	64	.8	164	4.3	2 464
Truck and water	37	.1	15	.2	31	.8	1 096
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 270**	**5.0**	**470**	**6.1**	**111**	**2.9**	**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 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**6 625**	**100.0**	**91 982**	**100.0**	**6 653**	**100.0**	**64**
Single modes	**5 857**	**88.4**	**86 188**	**93.7**	**4 941**	**74.3**	**55**
Truck[1]	5 591	84.4	84 385	91.7	4 364	65.6	53
For-hire truck	3 090	46.6	33 399	36.3	2 300	34.6	70
Private truck	2 461	37.1	49 716	54.0	1 934	29.1	39
Rail	236	3.6	1 422	1.5	559	8.4	S
Water	S	S	S	S	S	S	35
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	35
Air (includes truck and air)	S	S	S	S	S	S	348
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**199**	**3.0**	**716**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	716
Truck and rail	S	S	S	S	S	S	2 453
Truck and water	20	.3	S	S	S	S	438
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**5 156**	**5.6**	**S**	**S**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**27 947**	**100.0**	**69 223**	**100.0**	**30 158**	**100.0**	**266**
Single modes	**25 635**	**91.7**	**57 519**	**83.1**	**27 063**	**89.7**	**205**
Truck[1]	22 032	78.8	48 399	69.9	12 783	42.4	170
For-hire truck	13 427	48.0	28 184	40.7	9 908	32.9	403
Private truck	8 424	30.1	19 599	28.3	2 777	9.2	87
Rail	3 437	12.3	8 828	12.8	13 344	44.2	1 527
Water	S	S	S	S	S	S	3 187
Shallow draft	S	S	S	S	S	S	191
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	3 292
Air (includes truck and air)	20	–	10	–	S	S	1 826
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**913**	**3.3**	**1 381**	**2.0**	**2 161**	**7.2**	**1 276**
Parcel, U.S. Postal Service or courier	85	.3	9	–	11	–	1 183
Truck and rail	754	2.7	1 240	1.8	1 892	6.3	2 023
Truck and water	74	.3	132	.2	258	.9	2 123
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 910
Other and unknown modes	**1 399**	**5.0**	**S**	**S**	**933**	**3.1**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**12 175**	**100.0**	**16 729**	**100.0**	**9 494**	**100.0**	**215**
Single modes	**10 585**	**86.9**	**15 329**	**91.6**	**8 029**	**84.6**	**135**
Truck[1]	8 474	69.6	10 531	62.9	3 485	36.7	114
For-hire truck	4 354	35.8	6 961	41.6	3 141	33.1	362
Private truck	3 939	32.4	3 463	20.7	340	3.6	52
Rail	1 982	16.3	4 579	27.4	4 470	47.1	1 006
Water	115	.9	210	1.3	S	S	1 243
Shallow draft	S	S	S	S	4	–	29
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 528
Air (includes truck and air)	S	S	S	S	S	S	1 811
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**776**	**6.4**	**749**	**4.5**	**1 192**	**12.6**	**719**
Parcel, U.S. Postal Service or courier	S	S	17	.1	9	.1	679
Truck and rail	250	2.1	374	2.2	695	7.3	1 680
Truck and water	199	1.6	267	1.6	315	3.3	1 581
Rail and water	S	S	S	S	S	S	1 731
Other multiple modes	S	S	S	S	S	S	2 200
Other and unknown modes	**S**	**S**	**651**	**3.9**	**274**	**2.9**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**14 404**	**100.0**	**16 280**	**100.0**	**4 011**	**100.0**	**289**
Single modes	**13 374**	**92.8**	**15 781**	**96.9**	**3 678**	**91.7**	**119**
Truck[1]	12 899	89.5	15 351	94.3	2 797	69.7	102
For-hire truck	6 705	46.6	7 827	48.1	2 397	59.8	426
Private truck	5 948	41.3	7 363	45.2	376	9.4	37
Rail	131	.9	192	1.2	347	8.6	2 506
Water	327	2.3	231	1.4	S	S	4 027
Shallow draft	S	S	S	S	S	S	54
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	4 719
Air (includes truck and air)	S	S	S	S	S	S	1 540
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**607**	**4.2**	**154**	**.9**	**236**	**5.9**	**1 100**
Parcel, U.S. Postal Service or courier	469	3.3	55	.3	48	1.2	1 100
Truck and rail	S	S	S	S	S	S	1 637
Truck and water	70	.5	51	.3	88	2.2	999
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	2 853
Other and unknown modes	**424**	**2.9**	**345**	**2.1**	**S**	**S**	**68**
SCTG 29, PRINTED PRODUCTS							
Total	**24 618**	**100.0**	**10 334**	**100.0**	**3 263**	**100.0**	**492**
Single modes	**16 557**	**67.3**	**8 856**	**85.7**	**1 499**	**45.9**	**100**
Truck[1]	16 073	65.3	8 681	84.0	1 295	39.7	77
For-hire truck	5 423	22.0	1 714	16.6	1 088	33.3	731
Private truck	10 377	42.2	6 838	66.2	206	6.3	23
Rail	S	S	S	S	S	S	1 119
Water	S	S	S	S	S	S	2 507
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	2 507
Air (includes truck and air)	441	1.8	85	.8	113	3.4	1 623
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 600**	**26.8**	**596**	**5.8**	**734**	**22.5**	**768**
Parcel, U.S. Postal Service or courier	6 530	26.5	581	5.6	703	21.5	768
Truck and rail	S	S	S	S	S	S	2 767
Truck and water	66	.3	14	.1	S	S	1 425
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 461**	**5.9**	**882**	**8.5**	**S**	**S**	**409**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**61 264**	**100.0**	**4 275**	**100.0**	**3 349**	**100.0**	**1 399**
Single modes	**45 364**	**74.0**	**3 711**	**86.8**	**2 606**	**77.8**	**1 126**
Truck[1]	42 960	70.1	3 624	84.8	2 423	72.4	985
For-hire truck	28 703	46.9	1 601	37.4	1 877	56.0	1 668
Private truck	13 997	22.8	2 012	47.1	530	15.8	302
Rail	92	.2	27	.6	70	2.1	1 923
Water	S	S	S	S	S	S	1 383
Shallow draft	S	S	S	S	S	S	337
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 821
Air (includes truck and air)	2 087	3.4	52	1.2	100	3.0	2 090
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**14 121**	**23.0**	**466**	**10.9**	**676**	**20.2**	**1 588**
Parcel, U.S. Postal Service or courier	13 051	21.3	358	8.4	526	15.7	1 585
Truck and rail	S	S	S	S	S	S	782
Truck and water	S	S	S	S	S	S	2 260
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	5 094
Other and unknown modes	**1 779**	**2.9**	**98**	**2.3**	**66**	**2.0**	**184**

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	**15 222**	**100.0**	**114 167**	**100.0**	**12 000**	**100.0**	**340**
Single modes	**13 697**	**90.0**	**111 142**	**97.4**	**10 365**	**86.4**	**216**
Truck[1]	13 300	87.4	106 761	93.5	7 786	64.9	212
For-hire truck	5 428	35.7	24 897	21.8	4 841	40.3	458
Private truck	7 539	49.5	80 588	70.6	2 729	22.7	170
Rail	321	2.1	4 296	3.8	2 397	20.0	762
Water	S	S	S	S	S	S	353
Shallow draft	S	S	S	S	S	S	441
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	292
Air (includes truck and air)	72	.5	S	S	S	S	1 049
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**858**	**5.6**	**443**	**.4**	**671**	**5.6**	**1 094**
Parcel, U.S. Postal Service or courier	687	4.5	62	–	55	.5	1 089
Truck and rail	70	.5	162	.1	S	S	1 056
Truck and water	S	S	213	.2	428	3.6	1 671
Rail and water	S	S	S	S	S	S	2 436
Other multiple modes	S	S	S	S	S	S	2 664
Other and unknown modes	**666**	**4.4**	**2 581**	**2.3**	**963**	**8.0**	**S**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**26 917**	**100.0**	**21 264**	**100.0**	**9 648**	**100.0**	**427**
Single modes	**23 383**	**86.9**	**17 861**	**84.0**	**6 828**	**70.8**	**218**
Truck[1]	21 658	80.5	15 902	74.8	4 158	43.1	162
For-hire truck	11 285	41.9	8 043	37.8	3 543	36.7	674
Private truck	10 210	37.9	7 769	36.5	547	5.7	44
Rail	1 348	5.0	1 612	7.6	2 388	24.8	1 521
Water	103	.4	S	S	135	1.4	1 076
Shallow draft	S	S	S	S	S	S	282
Great Lakes	–	–	–	–	–	–	–
Deep draft	89	.3	S	S	130	1.3	1 174
Air (includes truck and air)	275	1.0	S	S	S	S	1 798
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 106**	**7.8**	**S**	**S**	**868**	**9.0**	**1 292**
Parcel, U.S. Postal Service or courier	1 186	4.4	47	.2	S	S	1 287
Truck and rail	384	1.4	305	1.4	528	5.5	1 575
Truck and water	62	.2	67	.3	211	2.2	2 019
Rail and water	S	S	S	S	S	S	1 776
Other multiple modes	S	S	S	S	S	S	312
Other and unknown modes	**1 428**	**5.3**	**1 709**	**8.0**	**S**	**S**	**211**
SCTG 33, ARTICLES OF BASE METAL							
Total	**28 179**	**100.0**	**10 398**	**100.0**	**6 312**	**100.0**	**490**
Single modes	**19 220**	**68.2**	**8 280**	**79.6**	**3 535**	**56.0**	**220**
Truck[1]	18 393	65.3	7 891	75.9	2 908	46.1	192
For-hire truck	11 530	40.9	4 503	43.3	2 565	40.6	622
Private truck	6 826	24.2	3 339	32.1	322	5.1	50
Rail	280	1.0	232	2.2	414	6.6	2 118
Water	S	S	S	S	S	S	771
Shallow draft	S	S	S	S	S	S	170
Great Lakes	–	–	–	–	–	–	–
Deep draft	15	–	8	–	S	S	1 031
Air (includes truck and air)	510	1.8	143	1.4	S	S	1 501
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 361**	**22.6**	**298**	**2.9**	**S**	**S**	**743**
Parcel, U.S. Postal Service or courier	6 236	22.1	205	2.0	176	2.8	743
Truck and rail	S	S	6	–	14	.2	2 329
Truck and water	78	.3	S	S	S	S	1 047
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 608
Other and unknown modes	**2 598**	**9.2**	**1 820**	**17.5**	**2 055**	**32.6**	**172**

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	**40 942**	**100.0**	**3 387**	**100.0**	**3 226**	**100.0**	**514**
Single modes	**29 801**	**72.8**	**2 759**	**81.5**	**2 460**	**76.3**	**252**
Truck[1]	26 844	65.6	2 608	77.0	2 136	66.2	181
For-hire truck	18 392	44.9	1 787	52.7	1 843	57.1	727
Private truck	8 317	20.3	797	23.5	S	S	50
Rail	119	.3	21	.6	57	1.8	2 644
Water	S	S	S	S	S	S	630
Shallow draft	S	S	S	S	S	S	71
Great Lakes	–	–	–	–	–	–	–
Deep draft	25	–	3	.1	S	S	1 085
Air (includes truck and air)	2 696	6.6	S	S	S	S	1 770
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**7 525**	**18.4**	**230**	**6.8**	**246**	**7.6**	**880**
Parcel, U.S. Postal Service or courier	7 480	18.3	224	6.6	236	7.3	880
Truck and rail	S	S	S	S	S	S	2 084
Truck and water	42	.1	6	.2	S	S	523
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	31
Other and unknown modes	**3 616**	**8.8**	**398**	**11.7**	**S**	**S**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**226 446**	**100.0**	**5 774**	**100.0**	**6 076**	**100.0**	**821**
Single modes	**145 206**	**64.1**	**4 843**	**83.9**	**5 075**	**83.5**	**510**
Truck[1]	118 700	52.4	4 562	79.0	4 652	76.6	307
For-hire truck	84 102	37.1	3 008	52.1	4 042	66.5	1 062
Private truck	32 593	14.4	1 426	24.7	440	7.2	83
Rail	980	.4	111	1.9	161	2.6	2 198
Water	102	–	4	–	–	–	S
Shallow draft	S	S	S	S	S	S	62
Great Lakes	–	–	–	–	–	–	–
Deep draft	72	–	3	–	–	–	894
Air (includes truck and air)	25 423	11.2	166	2.9	262	4.3	1 910
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**62 987**	**27.8**	**491**	**8.5**	**575**	**9.5**	**1 171**
Parcel, U.S. Postal Service or courier	62 377	27.5	463	8.0	525	8.6	1 171
Truck and rail	S	S	S	S	S	S	2 446
Truck and water	S	S	14	.2	23	.4	1 938
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	19
Other and unknown modes	**18 253**	**8.1**	**440**	**7.6**	**426**	**7.0**	**390**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**37 148**	**100.0**	**4 879**	**100.0**	**2 621**	**100.0**	**458**
Single modes	**26 397**	**71.1**	**3 760**	**77.1**	**1 701**	**64.9**	**175**
Truck[1]	24 784	66.7	3 660	75.0	1 516	57.8	90
For-hire truck	16 641	44.8	1 526	31.3	868	33.1	373
Private truck	8 081	21.8	2 126	43.6	644	24.6	31
Rail	286	.8	35	.7	88	3.4	2 369
Water	74	.2	13	.3	S	S	1 302
Shallow draft	S	S	S	S	S	S	371
Great Lakes	–	–	–	–	–	–	–
Deep draft	49	.1	10	.2	S	S	1 777
Air (includes truck and air)	1 252	3.4	52	1.1	91	3.5	1 662
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 614**	**9.7**	**165**	**3.4**	**217**	**8.3**	**1 043**
Parcel, U.S. Postal Service or courier	3 180	8.6	130	2.7	142	5.4	1 040
Truck and rail	60	.2	15	.3	33	1.3	2 219
Truck and water	S	S	S	S	S	S	1 810
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**7 137**	**19.2**	**954**	**19.6**	**703**	**26.8**	**191**

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	**60 942**	**100.0**	**496**	**100.0**	**306**	**100.0**	**999**
Single modes	**54 099**	**88.8**	**461**	**92.9**	**244**	**79.7**	**555**
Truck[1]	9 720	15.9	236	47.6	186	60.7	221
For-hire truck	6 524	10.7	160	32.2	170	55.6	877
Private truck	3 185	5.2	76	15.4	16	5.1	55
Rail	453	.7	S	S	S	S	1 659
Water	S	S	S	S	S	S	280
Shallow draft	S	S	S	S	S	S	280
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	43 926	72.1	44	8.9	55	18.1	1 663
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**5 949**	**9.8**	**25**	**5.1**	**54**	**17.5**	**1 404**
Parcel, U.S. Postal Service or courier	4 173	6.8	24	4.9	52	17.0	1 403
Truck and rail	S	S	S	S	S	S	2 310
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**10**	**2.0**	**8**	**2.7**	**1 291**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**36 049**	**100.0**	**501**	**100.0**	**457**	**100.0**	**1 387**
Single modes	**20 256**	**56.2**	**387**	**77.3**	**283**	**61.8**	**1 140**
Truck[1]	15 286	42.4	356	71.0	219	47.9	375
For-hire truck	10 235	28.4	258	51.4	211	46.1	881
Private truck	5 049	14.0	98	19.6	8	1.8	124
Rail	S	S	S	S	S	S	1 439
Water	S	S	S	S	S	S	S
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	4 952	13.7	30	6.0	61	13.4	2 065
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**13 924**	**38.6**	**81**	**16.2**	**128**	**27.9**	**1 487**
Parcel, U.S. Postal Service or courier	13 831	38.4	78	15.7	123	27.0	1 486
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	1 746
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 869**	**5.2**	**33**	**6.5**	**S**	**S**	**280**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**11 731**	**100.0**	**2 227**	**100.0**	**1 965**	**100.0**	**773**
Single modes	**9 652**	**82.3**	**2 027**	**91.0**	**1 731**	**88.1**	**514**
Truck[1]	9 551	81.4	1 993	89.5	1 650	84.0	487
For-hire truck	5 260	44.8	1 058	47.5	1 417	72.1	1 066
Private truck	4 219	36.0	919	41.3	212	10.8	151
Rail	49	.4	27	1.2	S	S	770
Water	6	–	1	–	S	S	987
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	6	–	1	–	S	S	987
Air (includes truck and air)	46	.4	5	.2	10	.5	2 004
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 341**	**11.4**	**106**	**4.8**	**184**	**9.4**	**1 372**
Parcel, U.S. Postal Service or courier	1 167	9.9	70	3.2	96	4.9	1 355
Truck and rail	139	1.2	31	1.4	77	3.9	2 507
Truck and water	35	.3	5	.2	11	.5	1 952
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**94**	**4.2**	**49**	**2.5**	**93**

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	**80 561**	**100.0**	**11 625**	**100.0**	**7 363**	**100.0**	**1 411**
Single modes	**53 936**	**67.0**	**8 759**	**75.3**	**3 348**	**45.5**	**792**
Truck[1]	50 622	62.8	8 631	74.2	3 067	41.7	693
For-hire truck	22 871	28.4	3 740	32.2	2 428	33.0	1 405
Private truck	S	S	4 777	41.1	589	8.0	153
Rail	213	.3	40	.3	96	1.3	2 228
Water	S	S	S	S	S	S	1 434
Shallow draft	S	S	S	S	S	S	368
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 486
Air (includes truck and air)	3 072	3.8	85	.7	S	S	2 064
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**24 170**	**30.0**	**633**	**5.4**	**1 006**	**13.7**	**1 654**
Parcel, U.S. Postal Service or courier	23 850	29.6	580	5.0	881	12.0	1 654
Truck and rail	245	.3	35	.3	89	1.2	2 518
Truck and water	75	–	18	.2	37	.5	1 462
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 455**	**3.0**	**S**	**S**	**S**	**S**	**496**
SCTG 41, WASTE AND SCRAP							
Total	**4 834**	**100.0**	**29 055**	**100.0**	**6 315**	**100.0**	**139**
Single modes	**3 873**	**80.1**	**25 125**	**86.5**	**3 914**	**62.0**	**89**
Truck[1]	3 676	76.0	23 572	81.1	3 364	53.3	84
For-hire truck	1 741	36.0	10 276	35.4	2 088	33.1	149
Private truck	1 874	38.8	10 113	34.8	1 179	18.7	S
Rail	171	3.5	1 390	4.8	544	8.6	432
Water	S	S	S	S	S	S	33
Shallow draft	S	S	S	S	S	S	7
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	33
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**150**	**3.1**	**214**	**.7**	**505**	**8.0**	**1 399**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	714
Truck and rail	109	2.3	94	.3	205	3.3	2 214
Truck and water	S	S	S	S	S	S	2 112
Rail and water	–	–	–	–	–	–	–
Other multiple modes	4	–	4	–	19	.3	5 222
Other and unknown modes	**812**	**16.8**	**S**	**S**	**1 897**	**30.0**	**698**
SCTG 43, MIXED FREIGHT							
Total	**47 074**	**100.0**	**23 679**	**100.0**	**2 732**	**100.0**	**424**
Single modes	**45 989**	**97.7**	**23 394**	**98.8**	**2 406**	**88.0**	**131**
Truck[1]	45 709	97.1	23 369	98.7	2 380	87.1	123
For-hire truck	2 119	4.5	299	1.3	187	6.8	848
Private truck	43 549	92.5	23 063	97.4	2 191	80.2	73
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	400
Shallow draft	S	S	S	S	S	S	187
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	419
Air (includes truck and air)	S	S	S	S	S	S	1 820
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**822**	**1.7**	**168**	**.7**	**S**	**S**	**1 166**
Parcel, U.S. Postal Service or courier	551	1.2	40	.2	51	1.9	1 164
Truck and rail	S	S	S	S	S	S	2 164
Truck and water	228	.5	S	S	S	S	1 338
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**49**

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	**6 641**	**100.0**	**6 877**	**100.0**	**1 215**	**100.0**	**506**
Single modes	**5 439**	**81.9**	**6 750**	**98.2**	**1 131**	**93.1**	**316**
Truck[1]	4 520	68.1	4 323	62.9	751	61.8	285
For-hire truck	2 866	43.2	S	S	481	39.6	644
Private truck	1 192	17.9	888	12.9	72	5.9	S
Rail	56	.8	S	S	142	11.7	888
Water	S	S	S	S	S	S	866
Shallow draft	S	S	S	S	S	S	76
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 493
Air (includes truck and air)	S	S	6	–	S	S	1 862
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**745**	**11.2**	**74**	**1.1**	**45**	**3.7**	**632**
Parcel, U.S. Postal Service or courier	710	10.7	15	.2	11	.9	630
Truck and rail	16	.2	S	S	S	S	1 254
Truck and water	S	S	S	S	S	S	1 372
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**53**	**.8**	**S**	**S**	**426**

– 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	**1 076 658**	**1 250 570**	**234 473**
Less than 50 miles	436 276	905 399	19 220
50 to 99 miles	83 843	97 429	9 203
100 to 249 miles	97 354	97 908	19 663
250 to 499 miles	87 884	57 269	23 648
500 to 749 miles	36 120	19 901	15 445
750 to 999 miles	42 015	16 490	18 398
1,000 to 1,499 miles	57 203	15 020	23 616
1,500 to 1,999 miles	99 005	20 802	47 066
2,000 miles or more	136 958	20 352	58 214
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	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	S	S	S
SCTG 02, Cereal grains	**8 017**	**58 812**	**5 017**
Less than 50 miles	5 930	43 589	277
50 to 99 miles	257	1 866	211
100 to 249 miles	1 013	7 403	1 836
250 to 499 miles	S	S	S
500 to 749 miles	S	31	22
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**23 382**	**25 184**	**17 613**
Less than 50 miles	8 300	11 137	186
50 to 99 miles	1 729	1 877	174
100 to 249 miles	3 565	3 101	580
250 to 499 miles	1 608	1 588	627
500 to 749 miles	595	567	434
750 to 999 miles	786	863	968
1,000 to 1,499 miles	926	912	1 460
1,500 to 1,999 miles	2 193	2 057	4 630
2,000 miles or more	3 681	3 083	8 553
SCTG 04, Animal feed and products of animal origin, n.e.c.	**5 548**	**21 604**	**3 281**
Less than 50 miles	2 935	12 927	448
50 to 99 miles	666	2 096	190
100 to 249 miles	1 129	4 944	956
250 to 499 miles	254	883	326
500 to 749 miles	62	S	S
750 to 999 miles	83	278	298
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	24	50
2,000 miles or more	S	302	874
SCTG 05, Meat, fish, seafood, and their preparations	**29 109**	**10 753**	**3 425**
Less than 50 miles	16 105	6 406	150
50 to 99 miles	2 714	995	100
100 to 249 miles	2 616	976	192
250 to 499 miles	1 980	627	237
500 to 749 miles	824	255	184
750 to 999 miles	1 144	313	304
1,000 to 1,499 miles	1 290	586	849
1,500 to 1,999 miles	1 109	352	740
2,000 miles or more	1 328	243	669
SCTG 06, Milled grain products and preparations, and bakery products	**15 653**	**13 921**	**5 499**
Less than 50 miles	6 806	6 388	170
50 to 99 miles	1 638	1 373	124
100 to 249 miles	2 511	2 211	391
250 to 499 miles	1 524	1 359	549
500 to 749 miles	626	532	404
750 to 999 miles	785	720	820
1,000 to 1,499 miles	512	368	586
1,500 to 1,999 miles	574	521	1 199
2,000 miles or more	677	449	1 256
SCTG 07, Other prepared foodstuffs and fats and oils	**45 877**	**53 894**	**22 183**
Less than 50 miles	20 162	29 140	714
50 to 99 miles	4 405	5 043	464
100 to 249 miles	5 958	7 592	1 517
250 to 499 miles	3 292	2 670	1 054
500 to 749 miles	2 420	1 883	1 422
750 to 999 miles	1 184	909	1 010
1,000 to 1,499 miles	1 683	1 447	2 447
1,500 to 1,999 miles	4 008	2 657	6 012
2,000 miles or more	2 765	2 553	7 543

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	**20 498**	**15 192**	**7 229**
Less than 50 miles	10 645	7 841	168
50 to 99 miles	1 785	1 421	122
100 to 249 miles	2 580	1 607	274
250 to 499 miles	1 357	1 237	541
500 to 749 miles	617	574	422
750 to 999 miles	430	493	556
1,000 to 1,499 miles	308	333	530
1,500 to 1,999 miles	988	607	1 374
2,000 miles or more	1 789	1 079	3 241
SCTG 09, Tobacco products	**1 891**	**163**	**19**
Less than 50 miles	964	67	2
50 to 99 miles	403	S	S
100 to 249 miles	399	17	3
250 to 499 miles	88	S	5
500 to 749 miles	7	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	17	S	S
SCTG 10, Monumental or building stone	**S**	**1 686**	**S**
Less than 50 miles	S	1 325	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	28
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**511**	**46 971**	**1 897**
Less than 50 miles	391	43 988	1 085
50 to 99 miles	21	1 612	147
100 to 249 miles	19	715	162
250 to 499 miles	S	289	126
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**1 593**	**218 645**	**6 987**
Less than 50 miles	1 480	209 130	4 619
50 to 99 miles	55	4 466	435
100 to 249 miles	28	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	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**5 948**	**1 721**
Less than 50 miles	S	3 876	S
50 to 99 miles	32	495	45
100 to 249 miles	52	609	120
250 to 499 miles	47	269	103
500 to 749 miles	12	S	S
750 to 999 miles	5	S	S
1,000 to 1,499 miles	9	28	47
1,500 to 1,999 miles	28	S	S
2,000 miles or more	42	179	476
SCTG 14, Metallic ores and concentrates	**1 507**	**S**	**459**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	39	8
250 to 499 miles	35	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	–	–	–
100 to 249 miles	–	–	–
250 to 499 miles	–	–	–
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

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	**45 906**	**162 197**	**13 169**
Less than 50 miles	37 349	129 889	1 989
50 to 99 miles	3 246	11 710	889
100 to 249 miles	2 866	10 648	1 805
250 to 499 miles	1 609	6 072	2 190
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	2 414	3 484
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**15 016**	**63 251**	**7 783**
Less than 50 miles	11 478	46 343	711
50 to 99 miles	1 070	4 562	400
100 to 249 miles	697	3 819	719
250 to 499 miles	780	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**7 440**	**54 191**	**4 393**
Less than 50 miles	4 687	44 958	1 129
50 to 99 miles	357	1 420	143
100 to 249 miles	882	4 070	819
250 to 499 miles	S	S	S
500 to 749 miles	124	270	220
750 to 999 miles	65	184	223
1,000 to 1,499 miles	48	199	303
1,500 to 1,999 miles	34	S	S
2,000 miles or more	48	66	181
SCTG 20, Basic chemicals	**8 716**	**12 737**	**4 343**
Less than 50 miles	3 604	8 112	206
50 to 99 miles	669	1 239	122
100 to 249 miles	524	1 043	206
250 to 499 miles	603	533	256
500 to 749 miles	638	374	311
750 to 999 miles	510	150	161
1,000 to 1,499 miles	493	266	440
1,500 to 1,999 miles	859	770	1 909
2,000 miles or more	818	249	731
SCTG 21, Pharmaceutical products	**21 531**	**828**	**466**
Less than 50 miles	10 041	436	9
50 to 99 miles	2 342	68	6
100 to 249 miles	2 403	61	13
250 to 499 miles	942	45	18
500 to 749 miles	373	S	7
750 to 999 miles	713	23	23
1,000 to 1,499 miles	1 341	56	82
1,500 to 1,999 miles	1 153	S	S
2,000 miles or more	2 224	57	155
SCTG 22, Fertilizers	**2 455**	**18 146**	**3 675**
Less than 50 miles	1 806	12 687	396
50 to 99 miles	201	S	191
100 to 249 miles	200	1 247	241
250 to 499 miles	82	348	162
500 to 749 miles	73	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	7	26	69
SCTG 23, Chemical products and preparations, n.e.c.	**25 176**	**9 264**	**4 174**
Less than 50 miles	12 351	4 327	99
50 to 99 miles	1 921	771	69
100 to 249 miles	2 248	818	161
250 to 499 miles	2 947	1 333	535
500 to 749 miles	1 100	435	327
750 to 999 miles	1 001	254	261
1,000 to 1,499 miles	958	S	S
1,500 to 1,999 miles	989	340	761
2,000 miles or more	1 662	397	1 118
SCTG 24, Plastics and rubber	**25 237**	**7 649**	**3 787**
Less than 50 miles	10 962	3 557	81
50 to 99 miles	1 824	643	61
100 to 249 miles	2 374	985	196
250 to 499 miles	2 024	659	273
500 to 749 miles	1 191	343	264
750 to 999 miles	1 172	337	364
1,000 to 1,499 miles	1 214	259	399
1,500 to 1,999 miles	2 020	388	830
2,000 miles or more	2 457	477	1 318

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	**6 625**	**91 982**	**6 653**
Less than 50 miles	4 663	74 737	2 238
50 to 99 miles	1 041	11 530	1 249
100 to 249 miles	513	4 080	850
250 to 499 miles	75	161	75
500 to 749 miles	55	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	46	84	196
2,000 miles or more	S	S	S
SCTG 26, Wood products	**27 947**	**69 223**	**30 158**
Less than 50 miles	9 137	28 100	726
50 to 99 miles	3 528	11 434	1 130
100 to 249 miles	4 745	10 712	2 291
250 to 499 miles	2 348	6 335	2 960
500 to 749 miles	1 508	3 548	2 959
750 to 999 miles	1 208	2 225	2 737
1,000 to 1,499 miles	945	1 368	2 364
1,500 to 1,999 miles	2 514	3 192	7 846
2,000 miles or more	2 014	2 307	7 144
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 175**	**16 729**	**9 494**
Less than 50 miles	5 401	5 214	134
50 to 99 miles	1 093	1 558	148
100 to 249 miles	1 336	2 327	534
250 to 499 miles	1 082	1 902	973
500 to 749 miles	900	1 780	1 448
750 to 999 miles	1 124	2 325	2 631
1,000 to 1,499 miles	307	511	821
1,500 to 1,999 miles	532	702	1 596
2,000 miles or more	401	411	1 209
SCTG 28, Paper or paperboard articles	**14 404**	**16 280**	**4 011**
Less than 50 miles	7 391	10 651	278
50 to 99 miles	1 378	1 507	144
100 to 249 miles	1 395	1 179	229
250 to 499 miles	1 375	1 278	581
500 to 749 miles	557	391	300
750 to 999 miles	1 001	599	640
1,000 to 1,499 miles	272	170	235
1,500 to 1,999 miles	402	179	405
2,000 miles or more	633	326	1 199
SCTG 29, Printed products	**24 618**	**10 334**	**3 263**
Less than 50 miles	13 085	7 612	135
50 to 99 miles	1 534	381	35
100 to 249 miles	1 668	403	81
250 to 499 miles	1 813	506	222
500 to 749 miles	760	177	132
750 to 999 miles	813	182	209
1,000 to 1,499 miles	878	114	185
1,500 to 1,999 miles	2 080	537	1 080
2,000 miles or more	1 988	420	1 184
SCTG 30, Textiles, leather, and articles of textiles or leather	**61 264**	**4 275**	**3 349**
Less than 50 miles	16 386	1 675	37
50 to 99 miles	1 853	246	24
100 to 249 miles	4 302	582	118
250 to 499 miles	6 739	369	147
500 to 749 miles	1 911	84	65
750 to 999 miles	2 757	126	142
1,000 to 1,499 miles	3 871	171	267
1,500 to 1,999 miles	9 560	411	872
2,000 miles or more	13 886	611	1 677
SCTG 31, Nonmetallic mineral products	**15 222**	**114 167**	**12 000**
Less than 50 miles	8 109	85 535	1 656
50 to 99 miles	1 859	11 342	1 125
100 to 249 miles	1 599	8 851	1 762
250 to 499 miles	1 186	4 557	1 986
500 to 749 miles	557	1 535	1 190
750 to 999 miles	468	808	868
1,000 to 1,499 miles	353	427	665
1,500 to 1,999 miles	501	481	1 054
2,000 miles or more	590	631	1 694
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 917**	**21 264**	**9 648**
Less than 50 miles	11 522	10 232	235
50 to 99 miles	2 483	2 275	215
100 to 249 miles	2 231	2 040	400
250 to 499 miles	2 156	2 190	935
500 to 749 miles	968	975	749
750 to 999 miles	1 718	846	991
1,000 to 1,499 miles	1 861	651	1 087
1,500 to 1,999 miles	2 355	1 294	2 902
2,000 miles or more	1 622	761	2 135

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	**28 179**	**10 398**	**6 312**
Less than 50 miles	11 663	4 182	97
50 to 99 miles	2 132	1 017	93
100 to 249 miles	2 909	1 283	244
250 to 499 miles	2 373	1 118	464
500 to 749 miles	892	348	260
750 to 999 miles	1 326	447	499
1,000 to 1,499 miles	2 388	675	1 034
1,500 to 1,999 miles	1 920	527	1 448
2,000 miles or more	2 577	801	2 173
SCTG 34, Machinery	**40 942**	**3 387**	**3 226**
Less than 50 miles	15 006	1 261	32
50 to 99 miles	2 417	159	15
100 to 249 miles	3 180	239	46
250 to 499 miles	2 310	192	83
500 to 749 miles	2 623	107	83
750 to 999 miles	1 219	124	135
1,000 to 1,499 miles	3 164	394	593
1,500 to 1,999 miles	5 448	389	838
2,000 miles or more	5 573	521	1 401
SCTG 35, Electronic and other electrical equipment and components and office equipment	**226 446**	**5 774**	**6 076**
Less than 50 miles	66 555	1 850	34
50 to 99 miles	11 250	277	26
100 to 249 miles	10 568	274	54
250 to 499 miles	23 512	711	302
500 to 749 miles	8 036	196	150
750 to 999 miles	9 493	184	200
1,000 to 1,499 miles	19 575	524	798
1,500 to 1,999 miles	28 146	583	1 259
2,000 miles or more	49 312	1 176	3 254
SCTG 36, Motorized and other vehicles (including parts)	**37 148**	**4 879**	**2 621**
Less than 50 miles	14 509	1 657	32
50 to 99 miles	2 566	253	24
100 to 249 miles	4 121	385	76
250 to 499 miles	5 364	1 588	601
500 to 749 miles	1 345	165	126
750 to 999 miles	1 233	100	110
1,000 to 1,499 miles	1 807	157	253
1,500 to 1,999 miles	3 138	281	605
2,000 miles or more	3 066	294	793
SCTG 37, Transportation equipment, n.e.c.	**60 942**	**496**	**306**
Less than 50 miles	S	278	3
50 to 99 miles	360	7	1
100 to 249 miles	1 383	51	11
250 to 499 miles	730	S	S
500 to 749 miles	637	S	S
750 to 999 miles	4 774	11	12
1,000 to 1,499 miles	4 604	14	22
1,500 to 1,999 miles	11 754	35	80
2,000 miles or more	14 394	53	151
SCTG 38, Precision instruments and apparatus	**36 049**	**501**	**457**
Less than 50 miles	10 178	144	4
50 to 99 miles	1 102	22	2
100 to 249 miles	1 343	S	S
250 to 499 miles	3 567	72	31
500 to 749 miles	2 003	20	15
750 to 999 miles	2 643	36	38
1,000 to 1,499 miles	2 416	25	39
1,500 to 1,999 miles	4 417	65	135
2,000 miles or more	8 381	67	184
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**11 731**	**2 227**	**1 965**
Less than 50 miles	4 268	799	17
50 to 99 miles	686	158	14
100 to 249 miles	741	153	31
250 to 499 miles	1 274	206	83
500 to 749 miles	427	66	52
750 to 999 miles	678	144	160
1,000 to 1,499 miles	630	161	240
1,500 to 1,999 miles	1 303	188	400
2,000 miles or more	1 724	352	968
SCTG 40, Miscellaneous manufactured products	**80 561**	**11 625**	**7 363**
Less than 50 miles	17 002	3 184	97
50 to 99 miles	S	S	143
100 to 249 miles	S	2 182	440
250 to 499 miles	7 614	869	352
500 to 749 miles	2 836	471	360
750 to 999 miles	2 615	S	S
1,000 to 1,499 miles	3 905	S	S
1,500 to 1,999 miles	9 478	739	1 540
2,000 miles or more	11 037	849	2 294

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	**4 834**	**29 055**	**6 315**
Less than 50 miles	3 177	19 963	354
50 to 99 miles	217	2 041	216
100 to 249 miles	264	2 694	516
250 to 499 miles	464	2 104	920
500 to 749 miles	79	522	441
750 to 999 miles	S	S	S
1,000 to 1,499 miles	48	S	S
1,500 to 1,999 miles	147	159	355
2,000 miles or more	262	1 010	2 873
SCTG 43, Mixed freight	**47 074**	**23 679**	**2 732**
Less than 50 miles	25 455	12 832	381
50 to 99 miles	9 524	5 195	470
100 to 249 miles	8 481	4 561	977
250 to 499 miles	2 387	740	312
500 to 749 miles	484	136	103
750 to 999 miles	91	34	36
1,000 to 1,499 miles	67	9	12
1,500 to 1,999 miles	244	50	103
2,000 miles or more	342	121	S
Commodity unknown	**6 641**	**6 877**	**1 215**
Less than 50 miles	2 831	S	S
50 to 99 miles	S	S	S
100 to 249 miles	553	305	57
250 to 499 miles	410	341	135
500 to 749 miles	238	S	S
750 to 999 miles	143	S	S
1,000 to 1,499 miles	511	56	91
1,500 to 1,999 miles	438	62	136
2,000 miles or more	757	101	290

– 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	**1 076 658**	**1 250 570**	**234 473**
Less than 50 lb	168 222	2 961	2 002
50 to 99 lb	54 091	2 158	984
100 to 499 lb	137 076	12 291	4 054
500 to 749 lb	42 589	5 817	1 768
750 to 999 lb	27 162	4 637	1 368
1,000 to 9,999 lb	231 990	78 900	25 575
10,000 to 49,999 lb	254 923	423 524	91 732
50,000 to 99,999 lb	62 820	348 260	25 966
100,000 lb or more	97 785	372 022	81 025
SCTG 01, Live animals and live fish	**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	S	S	S
1,000 to 9,999 lb	S	8	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 02, Cereal grains	**8 017**	**58 812**	**5 017**
Less than 50 lb	S	S	S
50 to 99 lb	S	–	–
100 to 499 lb	S	8	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	178	18
10,000 to 49,999 lb	194	740	319
50,000 to 99,999 lb	420	3 213	410
100,000 lb or more	7 223	54 668	4 269
SCTG 03, Other agricultural products	**23 382**	**25 184**	**17 613**
Less than 50 lb	S	S	16
50 to 99 lb	275	84	S
100 to 499 lb	1 530	756	130
500 to 749 lb	581	395	46
750 to 999 lb	388	253	33
1,000 to 9,999 lb	5 069	5 879	3 909
10,000 to 49,999 lb	11 739	12 076	11 175
50,000 to 99,999 lb	938	1 740	774
100,000 lb or more	2 097	3 900	1 508
SCTG 04, Animal feed and products of animal origin, n.e.c.	**5 548**	**21 604**	**3 281**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	175	93	S
500 to 749 lb	S	73	S
750 to 999 lb	S	59	S
1,000 to 9,999 lb	556	1 056	102
10,000 to 49,999 lb	3 116	12 603	1 927
50,000 to 99,999 lb	908	5 654	550
100,000 lb or more	540	2 053	596
SCTG 05, Meat, fish, seafood, and their preparations	**29 109**	**10 753**	**3 425**
Less than 50 lb	654	68	6
50 to 99 lb	811	112	10
100 to 499 lb	3 357	709	75
500 to 749 lb	1 307	320	39
750 to 999 lb	1 035	283	30
1,000 to 9,999 lb	9 793	3 071	719
10,000 to 49,999 lb	10 303	5 005	1 664
50,000 to 99,999 lb	521	390	S
100,000 lb or more	1 328	796	756
SCTG 06, Milled grain products and preparations, and bakery products	**15 653**	**13 921**	**5 499**
Less than 50 lb	301	S	5
50 to 99 lb	277	114	3
100 to 499 lb	1 156	498	37
500 to 749 lb	449	266	25
750 to 999 lb	291	222	36
1,000 to 9,999 lb	3 801	2 332	657
10,000 to 49,999 lb	7 890	7 570	3 313
50,000 to 99,999 lb	701	1 210	202
100,000 lb or more	787	1 595	1 222
SCTG 07, Other prepared foodstuffs and fats and oils	**45 877**	**53 894**	**22 183**
Less than 50 lb	531	66	15
50 to 99 lb	513	111	14
100 to 499 lb	2 727	989	94
500 to 749 lb	1 014	523	52
750 to 999 lb	791	448	45
1,000 to 9,999 lb	9 651	8 324	1 249
10,000 to 49,999 lb	25 540	33 360	12 963
50,000 to 99,999 lb	2 682	6 363	1 360
100,000 lb or more	2 430	3 710	6 391

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	**20 498**	**15 192**	**7 229**
Less than 50 lb	280	37	S
50 to 99 lb	246	63	4
100 to 499 lb	1 982	940	42
500 to 749 lb	774	532	19
750 to 999 lb	631	472	20
1,000 to 9,999 lb	5 169	3 981	345
10,000 to 49,999 lb	8 310	6 679	5 002
50,000 to 99,999 lb	1 673	1 303	144
100,000 lb or more	1 432	1 184	S
SCTG 09, Tobacco products	**1 891**	**163**	**19**
Less than 50 lb	116	3	–
50 to 99 lb	148	4	–
100 to 499 lb	742	33	3
500 to 749 lb	179	14	1
750 to 999 lb	S	15	1
1,000 to 9,999 lb	411	51	9
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**S**	**1 686**	**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	S	S	S
10,000 to 49,999 lb	S	660	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**511**	**46 971**	**1 897**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	3	1	S
500 to 749 lb	2	2	S
750 to 999 lb	2	1	S
1,000 to 9,999 lb	S	148	9
10,000 to 49,999 lb	180	9 361	387
50,000 to 99,999 lb	149	15 374	792
100,000 lb or more	138	S	708
SCTG 12, Gravel and crushed stone	**1 593**	**218 645**	**6 987**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	20	1 006	14
10,000 to 49,999 lb	647	78 422	2 507
50,000 to 99,999 lb	621	97 175	2 598
100,000 lb or more	287	42 018	1 868
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**5 948**	**1 721**
Less than 50 lb	4	–	S
50 to 99 lb	S	1	–
100 to 499 lb	13	6	–
500 to 749 lb	S	S	S
750 to 999 lb	S	1	–
1,000 to 9,999 lb	S	S	19
10,000 to 49,999 lb	S	3 201	1 034
50,000 to 99,999 lb	S	1 258	S
100,000 lb or more	35	1 031	224
SCTG 14, Metallic ores and concentrates	**1 507**	**S**	**459**
Less than 50 lb	S	S	–
50 to 99 lb	S	–	–
100 to 499 lb	S	1	S
500 to 749 lb	S	–	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	272	49	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	11	S
100,000 lb or more	537	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 lb	–	–	–
50 to 99 lb	–	–	–
100 to 499 lb	–	–	–
500 to 749 lb	–	–	–
750 to 999 lb	–	–	–
1,000 to 9,999 lb	–	–	–
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	**45 906**	**162 197**	**13 169**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	37	1
500 to 749 lb	12	26	–
750 to 999 lb	15	37	1
1,000 to 9,999 lb	S	3 131	90
10,000 to 49,999 lb	3 778	9 724	827
50,000 to 99,999 lb	20 379	68 280	2 781
100,000 lb or more	18 431	80 955	9 469
SCTG 18, Fuel oils	**15 016**	**63 251**	**7 783**
Less than 50 lb	S	1	S
50 to 99 lb	1	2	–
100 to 499 lb	71	95	1
500 to 749 lb	57	117	1
750 to 999 lb	34	107	2
1,000 to 9,999 lb	1 786	3 404	88
10,000 to 49,999 lb	1 830	6 330	218
50,000 to 99,999 lb	4 347	14 895	975
100,000 lb or more	6 887	38 301	6 497
SCTG 19, Coal and petroleum products, n.e.c.	**7 440**	**54 191**	**4 393**
Less than 50 lb	74	21	1
50 to 99 lb	34	24	–
100 to 499 lb	312	293	10
500 to 749 lb	156	S	S
750 to 999 lb	90	126	3
1,000 to 9,999 lb	848	1 654	63
10,000 to 49,999 lb	2 045	18 127	1 197
50,000 to 99,999 lb	940	8 380	418
100,000 lb or more	2 941	25 359	2 694
SCTG 20, Basic chemicals	**8 716**	**12 737**	**4 343**
Less than 50 lb	907	37	26
50 to 99 lb	487	36	16
100 to 499 lb	1 221	291	53
500 to 749 lb	414	113	S
750 to 999 lb	235	101	31
1,000 to 9,999 lb	2 107	1 175	238
10,000 to 49,999 lb	2 282	6 122	1 037
50,000 to 99,999 lb	320	2 319	196
100,000 lb or more	741	2 544	2 708
SCTG 21, Pharmaceutical products	**21 531**	**828**	**466**
Less than 50 lb	8 823	65	27
50 to 99 lb	2 376	38	13
100 to 499 lb	4 320	135	41
500 to 749 lb	961	51	20
750 to 999 lb	435	29	S
1,000 to 9,999 lb	2 554	231	150
10,000 to 49,999 lb	S	S	186
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**2 455**	**18 146**	**3 675**
Less than 50 lb	3	S	–
50 to 99 lb	2	2	S
100 to 499 lb	22	11	1
500 to 749 lb	11	12	1
750 to 999 lb	7	10	1
1,000 to 9,999 lb	349	915	29
10,000 to 49,999 lb	1 059	7 588	647
50,000 to 99,999 lb	457	3 552	264
100,000 lb or more	543	6 057	S
SCTG 23, Chemical products and preparations, n.e.c.	**25 176**	**9 264**	**4 174**
Less than 50 lb	3 043	136	37
50 to 99 lb	1 317	97	30
100 to 499 lb	4 316	457	126
500 to 749 lb	1 502	223	75
750 to 999 lb	773	146	49
1,000 to 9,999 lb	5 938	1 724	675
10,000 to 49,999 lb	6 728	5 055	1 909
50,000 to 99,999 lb	331	625	65
100,000 lb or more	S	S	1 209
SCTG 24, Plastics and rubber	**25 237**	**7 649**	**3 787**
Less than 50 lb	3 893	163	115
50 to 99 lb	1 378	115	48
100 to 499 lb	3 803	529	213
500 to 749 lb	1 166	222	84
750 to 999 lb	844	174	84
1,000 to 9,999 lb	8 269	2 775	1 097
10,000 to 49,999 lb	5 401	2 820	1 716
50,000 to 99,999 lb	265	411	100
100,000 lb or more	S	440	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	**6 625**	**91 982**	**6 653**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	488	746	39
10,000 to 49,999 lb	1 386	15 870	1 191
50,000 to 99,999 lb	3 285	61 922	2 860
100,000 lb or more	1 451	13 423	2 559
SCTG 26, Wood products	**27 947**	**69 223**	**30 158**
Less than 50 lb	204	14	6
50 to 99 lb	147	20	5
100 to 499 lb	677	159	30
500 to 749 lb	265	88	13
750 to 999 lb	197	78	14
1,000 to 9,999 lb	3 459	3 156	449
10,000 to 49,999 lb	12 110	23 733	9 600
50,000 to 99,999 lb	6 238	19 299	5 100
100,000 lb or more	4 649	22 676	14 942
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 175**	**16 729**	**9 494**
Less than 50 lb	220	15	4
50 to 99 lb	135	26	3
100 to 499 lb	771	222	25
500 to 749 lb	250	114	8
750 to 999 lb	185	97	13
1,000 to 9,999 lb	2 404	1 364	232
10,000 to 49,999 lb	4 375	6 799	3 588
50,000 to 99,999 lb	1 074	2 066	567
100,000 lb or more	2 762	6 026	5 054
SCTG 28, Paper or paperboard articles	**14 404**	**16 280**	**4 011**
Less than 50 lb	581	41	19
50 to 99 lb	202	42	7
100 to 499 lb	1 138	355	44
500 to 749 lb	438	195	23
750 to 999 lb	256	144	43
1,000 to 9,999 lb	3 832	2 482	395
10,000 to 49,999 lb	7 273	11 650	3 111
50,000 to 99,999 lb	150	361	89
100,000 lb or more	534	1 011	279
SCTG 29, Printed products	**24 618**	**10 334**	**3 263**
Less than 50 lb	5 183	379	151
50 to 99 lb	1 472	226	86
100 to 499 lb	4 230	767	399
500 to 749 lb	1 206	290	196
750 to 999 lb	862	203	150
1,000 to 9,999 lb	6 400	3 359	1 333
10,000 to 49,999 lb	4 776	4 102	668
50,000 to 99,999 lb	369	481	29
100,000 lb or more	119	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**61 264**	**4 275**	**3 349**
Less than 50 lb	11 587	262	386
50 to 99 lb	3 347	136	186
100 to 499 lb	8 122	496	398
500 to 749 lb	3 037	231	166
750 to 999 lb	2 684	238	115
1,000 to 9,999 lb	20 617	1 636	1 171
10,000 to 49,999 lb	11 056	942	696
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**15 222**	**114 167**	**12 000**
Less than 50 lb	718	50	32
50 to 99 lb	323	45	21
100 to 499 lb	1 066	218	85
500 to 749 lb	307	87	22
750 to 999 lb	182	75	10
1,000 to 9,999 lb	2 303	3 621	451
10,000 to 49,999 lb	7 834	74 489	5 715
50,000 to 99,999 lb	1 668	20 909	2 295
100,000 lb or more	821	14 673	3 369
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 917**	**21 264**	**9 648**
Less than 50 lb	1 365	56	S
50 to 99 lb	717	58	18
100 to 499 lb	2 381	402	85
500 to 749 lb	990	231	54
750 to 999 lb	566	185	34
1,000 to 9,999 lb	7 299	3 497	903
10,000 to 49,999 lb	9 649	10 572	4 660
50,000 to 99,999 lb	1 429	2 228	637
100,000 lb or more	2 522	4 036	3 219

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	**28 179**	**10 398**	**6 312**
Less than 50 lb	5 834	162	88
50 to 99 lb	1 563	96	30
100 to 499 lb	4 063	491	190
500 to 749 lb	1 149	201	98
750 to 999 lb	714	161	51
1,000 to 9,999 lb	8 059	3 052	1 486
10,000 to 49,999 lb	6 016	5 043	2 673
50,000 to 99,999 lb	285	444	545
100,000 lb or more	496	747	1 152
SCTG 34, Machinery	**40 942**	**3 387**	**3 226**
Less than 50 lb	7 913	165	96
50 to 99 lb	2 541	99	40
100 to 499 lb	7 025	482	301
500 to 749 lb	1 926	158	86
750 to 999 lb	1 274	74	57
1,000 to 9,999 lb	11 176	801	737
10,000 to 49,999 lb	7 921	845	876
50,000 to 99,999 lb	S	90	S
100,000 lb or more	179	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**226 446**	**5 774**	**6 076**
Less than 50 lb	68 067	361	273
50 to 99 lb	20 027	238	153
100 to 499 lb	48 591	894	610
500 to 749 lb	14 136	260	228
750 to 999 lb	8 535	244	204
1,000 to 9,999 lb	50 089	2 319	3 280
10,000 to 49,999 lb	16 510	1 359	1 276
50,000 to 99,999 lb	S	29	26
100,000 lb or more	228	S	27
SCTG 36, Motorized and other vehicles (including parts)	**37 148**	**4 879**	**2 621**
Less than 50 lb	4 416	174	80
50 to 99 lb	1 499	96	41
100 to 499 lb	6 157	416	194
500 to 749 lb	2 839	156	61
750 to 999 lb	1 384	96	52
1,000 to 9,999 lb	8 752	1 035	478
10,000 to 49,999 lb	7 877	1 368	1 250
50,000 to 99,999 lb	855	759	305
100,000 lb or more	S	779	S
SCTG 37, Transportation equipment, n.e.c.	**60 942**	**496**	**306**
Less than 50 lb	6 391	13	11
50 to 99 lb	S	6	7
100 to 499 lb	4 326	39	45
500 to 749 lb	899	6	S
750 to 999 lb	266	11	S
1,000 to 9,999 lb	3 778	83	86
10,000 to 49,999 lb	S	121	96
50,000 to 99,999 lb	6 019	7	7
100,000 lb or more	30 239	209	34
SCTG 38, Precision instruments and apparatus	**36 049**	**501**	**457**
Less than 50 lb	13 389	55	70
50 to 99 lb	3 283	20	22
100 to 499 lb	8 350	91	91
500 to 749 lb	2 275	35	31
750 to 999 lb	1 246	20	19
1,000 to 9,999 lb	6 805	248	184
10,000 to 49,999 lb	701	32	40
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**11 731**	**2 227**	**1 965**
Less than 50 lb	595	31	28
50 to 99 lb	585	44	44
100 to 499 lb	2 143	249	159
500 to 749 lb	842	123	71
750 to 999 lb	589	100	66
1,000 to 9,999 lb	5 057	947	699
10,000 to 49,999 lb	1 861	674	786
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**80 561**	**11 625**	**7 363**
Less than 50 lb	20 782	315	407
50 to 99 lb	3 954	144	132
100 to 499 lb	8 851	614	430
500 to 749 lb	2 266	252	234
750 to 999 lb	1 287	145	98
1,000 to 9,999 lb	17 153	3 992	S
10,000 to 49,999 lb	S	5 359	2 408
50,000 to 99,999 lb	436	354	123
100,000 lb or more	244	S	43

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	**4 834**	**29 055**	**6 315**
Less than 50 lb	S	S	–
50 to 99 lb	S	–	–
100 to 499 lb	–	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	624	S	S
10,000 to 49,999 lb	3 027	15 397	2 410
50,000 to 99,999 lb	344	2 945	494
100,000 lb or more	835	9 785	3 312
SCTG 43, Mixed freight	**47 074**	**23 679**	**2 732**
Less than 50 lb	641	33	25
50 to 99 lb	290	30	16
100 to 499 lb	1 772	405	57
500 to 749 lb	671	230	33
750 to 999 lb	918	246	31
1,000 to 9,999 lb	12 119	3 718	433
10,000 to 49,999 lb	27 782	17 342	1 819
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**6 641**	**6 877**	**1 215**
Less than 50 lb	909	14	8
50 to 99 lb	524	11	5
100 to 499 lb	S	69	16
500 to 749 lb	234	20	10
750 to 999 lb	124	21	6
1,000 to 9,999 lb	1 354	276	121
10,000 to 49,999 lb	1 350	1 361	537
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

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

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

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	**1 076 658**	**1 250 570**	**234 473**	**648**	**436 276**	**905 399**	**19 220**	**83 843**	**97 429**	**9 203**
Less than 50 lb	168 222	2 961	2 002	806	53 648	1 520	27	8 823	189	18
50 to 99 lb	54 091	2 158	984	456	18 711	1 323	24	2 800	135	12
100 to 499 lb	137 076	12 291	4 054	334	57 571	8 191	157	9 549	965	90
500 to 749 lb	42 589	5 817	1 768	299	18 016	3 885	79	2 322	479	45
750 to 999 lb	27 162	4 637	1 368	295	11 142	3 051	61	1 610	440	42
1,000 to 9,999 lb	231 990	78 900	25 575	329	94 131	50 738	1 046	17 341	6 459	594
10,000 to 49,999 lb	254 923	423 524	91 732	218	92 461	296 896	6 829	31 143	33 358	3 074
50,000 to 99,999 lb	62 820	348 260	25 966	73	37 233	274 094	6 277	6 695	34 736	3 443
100,000 lb or more	97 785	372 022	81 025	548	53 363	265 701	4 718	3 560	20 667	1 886
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**1 146**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	87	S	S	S	–	–	–
50 to 99 lb	S	S	S	1 223	S	S	S	–	–	–
100 to 499 lb	S	S	S	1 241	S	S	S	–	–	–
500 to 749 lb	S	S	S	1 706	S	S	S	–	–	–
750 to 999 lb	S	S	S	8	S	S	S	–	–	–
1,000 to 9,999 lb	S	8	S	1 707	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	32	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	77	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**8 017**	**58 812**	**5 017**	**152**	**5 930**	**43 589**	**277**	**257**	**1 866**	**211**
Less than 50 lb	S	S	S	117	S	S	S	–	–	–
50 to 99 lb	S	–	–	22	S	–	S	–	–	–
100 to 499 lb	S	8	S	32	S	7	S	S	S	S
500 to 749 lb	S	S	S	117	S	S	S	S	S	S
750 to 999 lb	S	S	S	97	S	S	S	–	–	–
1,000 to 9,999 lb	S	178	18	153	S	144	3	S	S	S
10,000 to 49,999 lb	194	740	319	340	71	376	S	31	130	17
50,000 to 99,999 lb	420	3 213	410	128	195	1 427	75	141	1 137	123
100,000 lb or more	7 223	54 668	4 269	499	5 511	41 630	178	S	S	S
SCTG 03, Other agricultural products	**23 382**	**25 184**	**17 613**	**300**	**8 300**	**11 137**	**186**	**1 729**	**1 877**	**174**
Less than 50 lb	S	S	16	S	S	S	S	15	1	–
50 to 99 lb	275	84	S	268	163	68	1	9	3	–
100 to 499 lb	1 530	756	130	180	854	599	8	152	63	6
500 to 749 lb	581	395	46	S	294	294	4	66	46	4
750 to 999 lb	388	253	33	128	221	208	3	S	19	S
1,000 to 9,999 lb	5 069	5 879	3 909	623	2 257	2 980	45	507	452	40
10,000 to 49,999 lb	11 739	12 076	11 175	877	2 908	3 753	89	764	825	75
50,000 to 99,999 lb	938	1 740	774	433	324	742	16	87	329	S
100,000 lb or more	2 097	3 900	1 508	938	759	2 404	19	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**5 548**	**21 604**	**3 281**	**355**	**2 935**	**12 927**	**448**	**666**	**2 096**	**190**
Less than 50 lb	S	S	S	1 003	4	1	–	1	–	–
50 to 99 lb	S	S	S	620	S	3	–	S	–	–
100 to 499 lb	175	93	S	448	68	53	1	10	7	1
500 to 749 lb	S	73	S	217	S	53	1	S	S	S
750 to 999 lb	S	59	S	641	28	29	1	S	S	S
1,000 to 9,999 lb	556	1 056	102	91	283	679	19	S	147	14
10,000 to 49,999 lb	3 116	12 603	1 927	141	1 712	7 581	284	340	1 236	110
50,000 to 99,999 lb	908	5 654	550	95	557	3 653	123	160	628	58
100,000 lb or more	540	2 053	596	319	218	876	19	32	66	6
SCTG 05, Meat, fish, seafood, and their preparations	**29 109**	**10 753**	**3 425**	**108**	**16 105**	**6 406**	**150**	**2 714**	**995**	**100**
Less than 50 lb	654	68	6	S	558	59	1	29	3	–
50 to 99 lb	811	112	10	88	656	95	2	56	6	1
100 to 499 lb	3 357	709	75	S	2 434	548	10	356	76	7
500 to 749 lb	1 307	320	39	123	937	237	5	109	35	3
750 to 999 lb	1 035	283	30	107	773	216	5	57	19	2
1,000 to 9,999 lb	9 793	3 071	719	212	5 358	1 871	38	906	312	31
10,000 to 49,999 lb	10 303	5 005	1 664	343	4 727	2 923	74	937	378	39
50,000 to 99,999 lb	521	390	S	S	206	S	S	S	S	S
100,000 lb or more	1 328	796	756	766	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**15 653**	**13 921**	**5 499**	**S**	**6 806**	**6 388**	**170**	**1 638**	**1 373**	**124**
Less than 50 lb	301	S	5	S	277	S	1	5	S	S
50 to 99 lb	277	114	3	S	250	102	1	S	S	S
100 to 499 lb	1 156	498	37	S	921	414	7	80	33	3
500 to 749 lb	449	266	25	93	319	206	5	64	33	3
750 to 999 lb	291	222	36	S	154	122	2	S	S	S
1,000 to 9,999 lb	3 801	2 332	657	235	1 725	1 235	26	413	195	18
10,000 to 49,999 lb	7 890	7 570	3 313	405	2 459	2 942	S	805	790	71
50,000 to 99,999 lb	701	1 210	202	166	353	731	20	S	S	S
100,000 lb or more	787	1 595	1 222	1 098	350	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 07, Other prepared foodstuffs and fats and oils	**45 877**	**53 894**	**22 183**	**166**	**20 162**	**29 140**	**714**	**4 405**	**5 043**	**464**
Less than 50 lb	531	66	15	251	346	48	1	28	5	–
50 to 99 lb	513	111	14	138	362	92	2	25	6	1
100 to 499 lb	2 727	989	94	93	1 927	814	17	233	70	7
500 to 749 lb	1 014	523	52	100	653	419	9	126	42	4
750 to 999 lb	791	448	45	100	503	349	7	94	40	4
1,000 to 9,999 lb	9 651	8 324	1 249	141	5 488	5 734	128	1 065	901	82
10,000 to 49,999 lb	25 540	33 360	12 963	328	9 355	17 955	462	2 504	3 322	302
50,000 to 99,999 lb	2 682	6 363	1 360	188	1 204	2 907	67	285	608	60
100,000 lb or more	2 430	3 710	6 391	2 069	324	S	S	S	S	S
SCTG 08, Alcoholic beverages	**20 498**	**15 192**	**7 229**	**166**	**10 645**	**7 841**	**168**	**1 785**	**1 421**	**122**
Less than 50 lb	280	37	S	685	103	16	–	S	3	–
50 to 99 lb	246	63	4	66	151	49	1	30	6	1
100 to 499 lb	1 982	940	42	45	1 530	811	16	226	66	6
500 to 749 lb	774	532	19	35	667	494	9	58	21	2
750 to 999 lb	631	472	20	41	521	436	8	66	24	2
1,000 to 9,999 lb	5 169	3 981	345	67	4 193	3 578	63	351	153	14
10,000 to 49,999 lb	8 310	6 679	5 002	699	2 275	1 932	57	783	704	61
50,000 to 99,999 lb	1 673	1 303	144	111	S	S	S	242	440	36
100,000 lb or more	1 432	1 184	S	1 456	S	S	S	S	S	S
SCTG 09, Tobacco products	**1 891**	**163**	**19**	**132**	**964**	**67**	**2**	**403**	**S**	**S**
Less than 50 lb	116	3	–	191	62	2	–	15	–	–
50 to 99 lb	148	4	–	82	86	2	–	30	1	–
100 to 499 lb	742	33	3	98	341	17	1	169	8	1
500 to 749 lb	179	14	1	102	59	6	–	57	5	–
750 to 999 lb	S	15	1	94	S	9	–	30	3	–
1,000 to 9,999 lb	411	51	9	157	243	30	1	29	5	–
10,000 to 49,999 lb	S	S	S	120	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**1 686**	**S**	**S**	**S**	**1 325**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	1 057	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	3	S	643	S	S	S	S	S	S
500 to 749 lb	S	S	S	20	S	S	S	–	–	–
750 to 999 lb	S	S	S	26	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	47	S	S	S	S	S	S
10,000 to 49,999 lb	S	660	S	90	S	468	11	S	S	6
50,000 to 99,999 lb	S	S	S	45	S	S	S	–	–	–
100,000 lb or more	S	S	S	47	S	S	S	–	–	–
SCTG 11, Natural sands	**511**	**46 971**	**1 897**	**52**	**391**	**43 988**	**1 085**	**21**	**1 612**	**147**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	10	S	S	S	–	–	–
100 to 499 lb	3	1	S	130	1	1	–	S	S	S
500 to 749 lb	2	2	S	163	1	1	S	S	S	S
750 to 999 lb	2	1	S	333	S	S	S	S	S	S
1,000 to 9,999 lb	S	148	9	70	15	130	1	S	S	S
10,000 to 49,999 lb	180	9 361	387	48	131	8 940	192	4	142	11
50,000 to 99,999 lb	149	15 374	792	52	113	13 810	383	13	819	73
100,000 lb or more	138	S	708	34	129	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**1 593**	**218 645**	**6 987**	**29**	**1 480**	**209 130**	**4 619**	**55**	**4 466**	**435**
Less than 50 lb	S	S	S	36	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	29	S	S	S	–	–	–
500 to 749 lb	S	S	S	24	S	S	S	S	S	S
750 to 999 lb	S	S	S	11	S	S	S	–	–	–
1,000 to 9,999 lb	20	1 006	14	15	S	994	11	S	11	1
10,000 to 49,999 lb	647	78 422	2 507	31	607	75 598	1 438	14	1 603	150
50,000 to 99,999 lb	621	97 175	2 598	27	564	93 359	1 994	37	2 538	253
100,000 lb or more	287	42 018	1 868	35	271	39 155	1 175	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**5 948**	**1 721**	**209**	**S**	**3 876**	**S**	**32**	**495**	**45**
Less than 50 lb	4	–	S	S	S	–	–	S	S	S
50 to 99 lb	S	1	–	356	S	–	S	S	S	S
100 to 499 lb	13	6	–	S	9	5	–	S	S	S
500 to 749 lb	S	S	S	201	S	S	S	S	S	S
750 to 999 lb	S	1	–	S	S	–	S	S	S	S
1,000 to 9,999 lb	S	S	19	S	S	S	3	6	S	S
10,000 to 49,999 lb	S	3 201	1 034	354	S	S	S	17	125	12
50,000 to 99,999 lb	S	1 258	S	333	S	828	17	2	79	8
100,000 lb or more	35	1 031	224	S	S	S	6	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**1 507**	**S**	**459**	**282**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	–	S	S	S	S	S	S	S
50 to 99 lb	S	–	–	S	S	–	S	S	S	S
100 to 499 lb	S	1	S	692	S	–	–	S	S	S
500 to 749 lb	S	–	S	910	S	S	S	S	S	S
750 to 999 lb	S	S	S	304	S	S	S	–	–	–
1,000 to 9,999 lb	272	49	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	465	S	17	S	S	S	S
50,000 to 99,999 lb	S	11	S	839	–	–	–	S	S	S
100,000 lb or more	537	S	S	698	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**25**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	66	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	4	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**45 906**	**162 197**	**13 169**	**41**	**37 349**	**129 889**	**1 989**	**3 246**	**11 710**	**889**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	37	1	12	S	35	–	S	S	S
500 to 749 lb	12	26	–	13	11	24	–	S	S	S
750 to 999 lb	15	37	1	18	14	35	–	S	S	S
1,000 to 9,999 lb	S	3 131	90	27	S	2 950	58	S	S	S
10,000 to 49,999 lb	3 778	9 724	827	79	3 013	7 711	133	316	677	64
50,000 to 99,999 lb	20 379	68 280	2 781	42	17 525	58 970	1 234	1 523	4 902	436
100,000 lb or more	18 431	80 955	9 469	167	13 673	60 155	564	S	S	S
SCTG 18, Fuel oils	**15 016**	**63 251**	**7 783**	**28**	**11 478**	**46 343**	**711**	**1 070**	**4 562**	**400**
Less than 50 lb	S	1	S	S	S	1	S	S	S	S
50 to 99 lb	1	2	–	26	1	2	–	S	S	S
100 to 499 lb	71	95	1	S	60	94	1	S	S	S
500 to 749 lb	57	117	1	11	47	116	1	S	S	S
750 to 999 lb	34	107	2	17	32	99	1	S	S	S
1,000 to 9,999 lb	1 786	3 404	88	21	1 736	3 320	72	S	55	4
10,000 to 49,999 lb	1 830	6 330	218	33	1 605	5 707	97	121	328	30
50,000 to 99,999 lb	4 347	14 895	975	67	3 415	11 532	220	493	2 018	177
100,000 lb or more	6 887	38 301	6 497	S	4 580	25 472	318	398	2 152	189
SCTG 19, Coal and petroleum products, n.e.c.	**7 440**	**54 191**	**4 393**	**39**	**4 687**	**44 958**	**1 129**	**357**	**1 420**	**143**
Less than 50 lb	74	21	1	S	59	19	–	S	S	S
50 to 99 lb	34	24	–	18	32	24	–	S	S	S
100 to 499 lb	312	293	10	35	271	263	4	20	13	1
500 to 749 lb	156	S	S	S	S	S	S	S	S	S
750 to 999 lb	90	126	3	25	78	114	2	S	S	S
1,000 to 9,999 lb	848	1 654	63	33	688	1 508	23	69	73	8
10,000 to 49,999 lb	2 045	18 127	1 197	61	1 101	15 938	341	160	553	57
50,000 to 99,999 lb	940	8 380	418	49	621	6 940	161	88	611	59
100,000 lb or more	2 941	25 359	2 694	291	1 700	19 950	S	S	S	S
SCTG 20, Basic chemicals	**8 716**	**12 737**	**4 343**	**465**	**3 604**	**8 112**	**206**	**669**	**1 239**	**122**
Less than 50 lb	907	37	26	697	383	18	–	49	2	–
50 to 99 lb	487	36	16	449	135	22	–	21	2	–
100 to 499 lb	1 221	291	53	174	553	230	5	43	20	2
500 to 749 lb	414	113	S	306	174	81	2	S	7	1
750 to 999 lb	235	101	31	319	81	60	1	S	S	S
1,000 to 9,999 lb	2 107	1 175	238	198	1 038	822	18	244	120	10
10,000 to 49,999 lb	2 282	6 122	1 037	179	1 022	4 177	107	208	698	69
50,000 to 99,999 lb	320	2 319	196	S	155	1 813	42	45	266	26
100,000 lb or more	741	2 544	2 708	1 349	63	S	S	21	107	12
SCTG 21, Pharmaceutical products	**21 531**	**828**	**466**	**547**	**10 041**	**436**	**9**	**2 342**	**68**	**6**
Less than 50 lb	8 823	65	27	581	4 001	27	1	959	13	1
50 to 99 lb	2 376	38	13	352	885	16	1	367	8	1
100 to 499 lb	4 320	135	41	294	1 892	70	2	680	20	2
500 to 749 lb	961	51	20	403	396	30	1	S	3	–
750 to 999 lb	435	29	S	414	240	14	–	S	6	1
1,000 to 9,999 lb	2 554	231	150	618	1 206	102	3	S	16	1
10,000 to 49,999 lb	S	S	186	471	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	2 906	–	–	–	–	–	–
100,000 lb or more	S	S	S	20	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**2 455**	**18 146**	**3 675**	**58**	**1 806**	**12 687**	**396**	**201**	**S**	**191**
Less than 50 lb	3	S	–	S	3	S	–	S	S	S
50 to 99 lb	2	2	S	S	2	2	–	S	S	S
100 to 499 lb	22	11	1	42	17	9	–	S	S	S
500 to 749 lb	11	12	1	49	9	10	–	S	–	–
750 to 999 lb	7	10	1	S	5	8	–	S	S	S
1,000 to 9,999 lb	349	915	29	34	307	860	16	14	25	2
10,000 to 49,999 lb	1 059	7 588	647	71	769	5 292	S	101	S	S
50,000 to 99,999 lb	457	3 552	264	72	323	2 272	76	68	S	S
100,000 lb or more	543	6 057	S	264	371	4 234	121	S	131	12
SCTG 23, Chemical products and preparations, n.e.c.	**25 176**	**9 264**	**4 174**	**288**	**12 351**	**4 327**	**99**	**1 921**	**771**	**69**
Less than 50 lb	3 043	136	37	273	1 417	75	2	244	14	1
50 to 99 lb	1 317	97	30	305	658	54	1	111	8	1
100 to 499 lb	4 316	457	126	281	2 039	248	6	S	71	7
500 to 749 lb	1 502	223	75	341	759	138	3	S	18	2
750 to 999 lb	773	146	49	340	461	88	2	31	10	1
1,000 to 9,999 lb	5 938	1 724	675	419	2 702	831	20	352	121	11
10,000 to 49,999 lb	6 728	5 055	1 909	364	3 014	2 362	51	336	361	32
50,000 to 99,999 lb	331	625	65	107	S	375	11	48	168	15
100,000 lb or more	S	S	1 209	1 605	S	S	S	–	–	–
SCTG 24, Plastics and rubber	**25 237**	**7 649**	**3 787**	**604**	**10 962**	**3 557**	**81**	**1 824**	**643**	**61**
Less than 50 lb	3 893	163	115	693	1 971	85	1	189	9	1
50 to 99 lb	1 378	115	48	409	741	71	1	84	8	1
100 to 499 lb	3 803	529	213	402	1 809	325	6	287	42	4
500 to 749 lb	1 166	222	84	368	610	139	3	44	11	1
750 to 999 lb	844	174	84	482	338	89	2	51	12	1
1,000 to 9,999 lb	8 269	2 775	1 097	394	3 509	1 342	32	755	296	27
10,000 to 49,999 lb	5 401	2 820	1 716	546	1 733	1 003	29	385	205	17
50,000 to 99,999 lb	265	411	100	S	S	S	4	20	S	S
100,000 lb or more	S	440	S	371	S	S	2	S	S	S
SCTG 25, Logs and other wood in the rough	**6 625**	**91 982**	**6 653**	**64**	**4 663**	**74 737**	**2 238**	**1 041**	**11 530**	**1 249**
Less than 50 lb	S	S	S	631	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	7	S	S	263	S	S	S	S	S	S
500 to 749 lb	S	S	S	188	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	488	746	39	58	359	620	17	82	77	8
10,000 to 49,999 lb	1 386	15 870	1 191	75	1 007	13 608	655	108	1 191	134
50,000 to 99,999 lb	3 285	61 922	2 860	48	2 443	51 180	1 183	615	7 928	873
100,000 lb or more	1 451	13 423	2 559	S	846	9 316	383	231	2 331	234
SCTG 26, Wood products	**27 947**	**69 223**	**30 158**	**266**	**9 137**	**28 100**	**726**	**3 528**	**11 434**	**1 130**
Less than 50 lb	204	14	6	371	90	7	–	37	2	–
50 to 99 lb	147	20	5	238	79	12	–	32	3	–
100 to 499 lb	677	159	30	189	349	99	2	88	22	2
500 to 749 lb	265	88	13	151	163	59	1	30	10	1
750 to 999 lb	197	78	14	173	108	52	1	32	13	1
1,000 to 9,999 lb	3 459	3 156	449	133	2 055	2 155	45	474	364	35
10,000 to 49,999 lb	12 110	23 733	9 600	348	3 665	9 772	268	1 719	3 764	352
50,000 to 99,999 lb	6 238	19 299	5 100	256	1 716	7 094	231	779	3 396	326
100,000 lb or more	4 649	22 676	14 942	1 220	912	S	S	336	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**12 175**	**16 729**	**9 494**	**215**	**5 401**	**5 214**	**134**	**1 093**	**1 558**	**148**
Less than 50 lb	220	15	4	337	156	11	–	16	1	–
50 to 99 lb	135	26	3	S	110	22	1	8	1	–
100 to 499 lb	771	222	25	114	617	181	5	43	16	1
500 to 749 lb	250	114	8	67	206	97	3	18	9	1
750 to 999 lb	185	97	13	S	143	74	1	15	10	1
1,000 to 9,999 lb	2 404	1 364	232	162	1 793	964	21	207	124	12
10,000 to 49,999 lb	4 375	6 799	3 588	450	1 564	2 515	68	460	697	65
50,000 to 99,999 lb	1 074	2 066	567	259	368	465	13	124	332	35
100,000 lb or more	2 762	6 026	5 054	908	442	884	23	202	369	33
SCTG 28, Paper or paperboard articles	**14 404**	**16 280**	**4 011**	**289**	**7 391**	**10 651**	**278**	**1 378**	**1 507**	**144**
Less than 50 lb	581	41	19	481	302	28	–	15	2	–
50 to 99 lb	202	42	7	170	131	32	1	16	3	–
100 to 499 lb	1 138	355	44	123	790	262	6	110	36	3
500 to 749 lb	438	195	23	115	277	145	4	60	19	2
750 to 999 lb	256	144	43	308	139	83	2	37	19	2
1,000 to 9,999 lb	3 832	2 482	395	144	2 296	1 651	34	310	215	20
10,000 to 49,999 lb	7 273	11 650	3 111	272	3 009	S	S	762	1 010	92
50,000 to 99,999 lb	150	361	89	241	56	161	4	16	S	S
100,000 lb or more	534	1 011	279	332	391	695	20	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	**24 618**	**10 334**	**3 263**	**492**	**13 085**	**7 612**	**135**	**1 534**	**381**	**35**
Less than 50 lb	5 183	379	151	500	2 154	232	5	S	S	S
50 to 99 lb	1 472	226	86	373	687	162	3	81	9	1
100 to 499 lb	4 230	767	399	498	1 967	493	9	167	26	2
500 to 749 lb	1 206	290	196	668	493	125	2	77	25	2
750 to 999 lb	862	203	150	744	328	104	2	41	10	1
1,000 to 9,999 lb	6 400	3 359	1 333	426	4 078	2 436	47	369	140	13
10,000 to 49,999 lb	4 776	4 102	668	135	3 072	3 238	55	215	116	11
50,000 to 99,999 lb	369	481	29	S	248	433	7	S	S	S
100,000 lb or more	119	S	S	S	58	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**61 264**	**4 275**	**3 349**	**1 399**	**16 386**	**1 675**	**37**	**1 853**	**246**	**24**
Less than 50 lb	11 587	262	386	1 511	1 552	49	1	324	8	1
50 to 99 lb	3 347	136	186	1 365	715	32	1	81	5	–
100 to 499 lb	8 122	496	398	824	2 664	220	4	299	29	3
500 to 749 lb	3 037	231	166	707	860	104	2	166	22	2
750 to 999 lb	2 684	238	115	480	909	144	4	S	18	2
1,000 to 9,999 lb	20 617	1 636	1 171	698	6 659	770	16	600	94	9
10,000 to 49,999 lb	11 056	942	696	701	2 898	314	8	102	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 731	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**15 222**	**114 167**	**12 000**	**340**	**8 109**	**85 535**	**1 656**	**1 859**	**11 342**	**1 125**
Less than 50 lb	718	50	32	635	297	24	1	58	5	–
50 to 99 lb	323	45	21	465	108	23	–	33	4	–
100 to 499 lb	1 066	218	85	402	564	129	2	103	25	2
500 to 749 lb	307	87	22	249	163	63	1	29	6	1
750 to 999 lb	182	75	10	132	129	55	1	13	7	1
1,000 to 9,999 lb	2 303	3 621	451	148	1 223	2 894	53	254	278	25
10,000 to 49,999 lb	7 834	74 489	5 715	72	4 418	62 488	1 102	920	4 806	435
50,000 to 99,999 lb	1 668	20 909	2 295	110	760	9 932	287	402	5 418	536
100,000 lb or more	821	14 673	3 369	354	446	9 928	209	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 917**	**21 264**	**9 648**	**427**	**11 522**	**10 232**	**235**	**2 483**	**2 275**	**215**
Less than 50 lb	1 365	56	S	656	529	29	1	96	4	–
50 to 99 lb	717	58	18	321	373	41	1	31	4	–
100 to 499 lb	2 381	402	85	234	1 352	308	6	204	27	2
500 to 749 lb	990	231	54	232	610	173	4	64	17	2
750 to 999 lb	566	185	34	186	349	140	3	25	14	1
1,000 to 9,999 lb	7 299	3 497	903	241	3 527	2 176	52	608	383	34
10,000 to 49,999 lb	9 649	10 572	4 660	420	3 626	4 579	113	1 053	1 342	126
50,000 to 99,999 lb	1 429	2 228	637	279	377	786	15	S	S	S
100,000 lb or more	2 522	4 036	3 219	1 218	S	S	S	S	S	S
SCTG 33, Articles of base metal	**28 179**	**10 398**	**6 312**	**490**	**11 663**	**4 182**	**97**	**2 132**	**1 017**	**93**
Less than 50 lb	5 834	162	88	528	2 973	87	2	335	11	1
50 to 99 lb	1 563	96	30	309	795	61	1	118	7	1
100 to 499 lb	4 063	491	190	367	1 777	287	6	303	39	4
500 to 749 lb	1 149	201	98	488	435	106	2	80	16	2
750 to 999 lb	714	161	51	312	324	96	2	50	15	1
1,000 to 9,999 lb	8 059	3 052	1 486	451	3 373	1 564	33	565	238	22
10,000 to 49,999 lb	6 016	5 043	2 673	483	1 790	1 701	43	644	636	57
50,000 to 99,999 lb	285	444	545	1 166	84	126	4	S	S	S
100,000 lb or more	496	747	1 152	1 221	112	155	4	S	S	S
SCTG 34, Machinery	**40 942**	**3 387**	**3 226**	**514**	**15 006**	**1 261**	**32**	**2 417**	**159**	**15**
Less than 50 lb	7 913	165	96	509	3 751	92	2	649	11	1
50 to 99 lb	2 541	99	40	388	1 277	58	1	196	8	1
100 to 499 lb	7 025	482	301	560	3 026	251	5	496	29	3
500 to 749 lb	1 926	158	86	531	754	73	2	99	11	1
750 to 999 lb	1 274	74	57	764	335	30	1	66	7	1
1,000 to 9,999 lb	11 176	801	737	912	2 781	205	5	678	62	6
10,000 to 49,999 lb	7 921	845	876	1 006	2 158	283	7	229	28	2
50,000 to 99,999 lb	S	90	S	1 010	S	44	1	S	S	S
100,000 lb or more	179	S	S	1 464	118	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**226 446**	**5 774**	**6 076**	**821**	**66 555**	**1 850**	**34**	**11 250**	**277**	**26**
Less than 50 lb	68 067	361	273	849	20 581	179	3	2 958	15	1
50 to 99 lb	20 027	238	153	636	6 814	126	2	778	9	1
100 to 499 lb	48 591	894	610	620	17 395	467	8	2 846	38	3
500 to 749 lb	14 136	260	228	874	5 412	107	2	248	15	1
750 to 999 lb	8 535	244	204	831	2 842	102	1	S	10	1
1,000 to 9,999 lb	50 089	2 319	3 280	1 317	9 859	423	9	S	116	11
10,000 to 49,999 lb	16 510	1 359	1 276	954	3 480	380	9	796	72	7
50,000 to 99,999 lb	S	29	26	823	S	S	S	S	S	S
100,000 lb or more	228	S	27	S	132	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)	**37 148**	**4 879**	**2 621**	**458**	**14 509**	**1 657**	**32**	**2 566**	**253**	**24**
Less than 50 lb	4 416	174	80	453	1 986	94	2	355	16	2
50 to 99 lb	1 499	96	41	443	593	49	1	193	11	1
100 to 499 lb	6 157	416	194	510	1 996	168	5	670	41	4
500 to 749 lb	2 839	156	61	387	809	47	1	228	14	1
750 to 999 lb	1 384	96	52	554	305	26	1	169	14	2
1,000 to 9,999 lb	8 752	1 035	478	504	3 877	447	10	679	98	10
10,000 to 49,999 lb	7 877	1 368	1 250	791	1 585	435	11	252	49	4
50,000 to 99,999 lb	855	759	305	399	137	32	–	S	S	S
100,000 lb or more	S	779	S	246	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**60 942**	**496**	**306**	**999**	**S**	**278**	**3**	**360**	**7**	**1**
Less than 50 lb	6 391	13	11	952	2 003	6	–	165	–	–
50 to 99 lb	S	6	7	1 033	513	3	–	S	–	–
100 to 499 lb	4 326	39	45	1 275	1 527	14	–	41	1	–
500 to 749 lb	899	6	S	643	S	3	–	S	S	S
750 to 999 lb	266	11	S	1 571	S	S	S	S	S	S
1,000 to 9,999 lb	3 778	83	86	968	503	17	1	33	S	S
10,000 to 49,999 lb	S	121	96	1 068	210	39	S	S	S	S
50,000 to 99,999 lb	6 019	7	7	951	S	S	S	–	–	–
100,000 lb or more	30 239	209	34	511	S	191	–	–	–	–
SCTG 38, Precision instruments and apparatus	**36 049**	**501**	**457**	**1 387**	**10 178**	**144**	**4**	**1 102**	**22**	**2**
Less than 50 lb	13 389	55	70	1 414	2 982	14	–	491	3	–
50 to 99 lb	3 283	20	22	1 092	856	5	–	S	1	–
100 to 499 lb	8 350	91	91	1 079	2 843	32	1	317	5	–
500 to 749 lb	2 275	35	31	885	886	13	–	86	S	S
750 to 999 lb	1 246	20	19	947	461	5	–	S	S	S
1,000 to 9,999 lb	6 805	248	184	743	2 066	72	2	S	S	S
10,000 to 49,999 lb	701	32	40	1 209	S	2	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**11 731**	**2 227**	**1 965**	**773**	**4 268**	**799**	**17**	**686**	**158**	**14**
Less than 50 lb	595	31	28	810	212	12	–	44	2	–
50 to 99 lb	585	44	44	1 007	141	16	–	S	2	–
100 to 499 lb	2 143	249	159	630	867	105	2	146	22	2
500 to 749 lb	842	123	71	575	289	50	1	50	10	1
750 to 999 lb	589	100	66	663	223	38	1	20	4	–
1,000 to 9,999 lb	5 057	947	699	728	2 077	374	7	307	70	6
10,000 to 49,999 lb	1 861	674	786	1 108	456	S	S	85	46	4
50,000 to 99,999 lb	S	S	S	1 758	S	S	S	S	S	S
100,000 lb or more	S	S	S	2 068	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**80 561**	**11 625**	**7 363**	**1 411**	**17 002**	**3 184**	**97**	**S**	**S**	**143**
Less than 50 lb	20 782	315	407	1 506	3 714	81	2	1 160	16	1
50 to 99 lb	3 954	144	132	905	796	51	1	225	9	1
100 to 499 lb	8 851	614	430	726	2 865	296	7	561	58	5
500 to 749 lb	2 266	252	234	900	555	90	2	123	21	2
750 to 999 lb	1 287	145	98	677	439	64	1	85	13	1
1,000 to 9,999 lb	17 153	3 992	S	881	4 925	1 101	35	1 265	S	30
10,000 to 49,999 lb	S	5 359	2 408	412	S	1 029	31	S	S	S
50,000 to 99,999 lb	436	354	123	350	95	77	2	36	49	5
100,000 lb or more	244	S	43	S	221	S	S	S	S	S
SCTG 41, Waste and scrap	**4 834**	**29 055**	**6 315**	**139**	**3 177**	**19 963**	**354**	**217**	**2 041**	**216**
Less than 50 lb	S	S	–	S	S	S	S	S	S	S
50 to 99 lb	S	–	–	12	S	–	–	–	–	–
100 to 499 lb	–	1	S	430	–	–	–	–	–	–
500 to 749 lb	S	S	S	57	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	624	S	S	S	505	S	9	S	S	S
10,000 to 49,999 lb	3 027	15 397	2 410	139	2 028	10 977	207	122	763	74
50,000 to 99,999 lb	344	2 945	494	170	150	1 069	18	S	939	S
100,000 lb or more	835	9 785	3 312	446	S	7 072	120	S	S	S
SCTG 43, Mixed freight	**47 074**	**23 679**	**2 732**	**424**	**25 455**	**12 832**	**381**	**9 524**	**5 195**	**470**
Less than 50 lb	641	33	25	830	284	16	–	51	3	–
50 to 99 lb	290	30	16	575	181	15	–	26	3	–
100 to 499 lb	1 772	405	57	130	1 223	273	5	178	51	5
500 to 749 lb	671	230	33	147	355	137	4	139	44	4
750 to 999 lb	918	246	31	125	377	129	4	134	59	6
1,000 to 9,999 lb	12 119	3 718	433	122	7 319	2 294	65	2 146	674	62
10,000 to 49,999 lb	27 782	17 342	1 819	106	15 228	9 637	295	6 399	4 043	366
50,000 to 99,999 lb	S	S	S	200	S	S	S	S	S	S
100,000 lb or more	S	S	S	58	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	**6 641**	**6 877**	**1 215**	**506**	**2 831**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	909	14	8	570	364	8	–	S	1	S
50 to 99 lb	524	11	5	481	393	6	–	4	–	–
100 to 499 lb	S	69	16	S	S	40	1	65	S	S
500 to 749 lb	234	20	10	528	S	8	–	S	S	S
750 to 999 lb	124	21	6	307	35	12	–	S	S	S
1,000 to 9,999 lb	1 354	276	121	413	S	162	4	S	S	S
10,000 to 49,999 lb	1 350	1 361	537	488	317	697	12	64	58	6
50,000 to 99,999 lb	S	S	S	S	34	S	S	S	S	S
100,000 lb or more	S	S	S	403	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)
All commodities	**97 354**	**97 908**	**19 663**	**87 884**	**57 269**	**23 648**	**36 120**	**19 901**	**15 445**	**42 015**	**16 490**	**18 398**
Less than 50 lb	8 818	199	40	14 591	165	71	6 376	82	64	7 338	82	90
50 to 99 lb	3 280	159	30	4 045	102	43	1 865	41	31	3 009	62	67
100 to 499 lb	9 226	881	166	9 540	500	211	5 339	187	146	5 551	250	270
500 to 749 lb	2 896	415	80	3 807	287	117	1 160	94	71	1 981	100	108
750 to 999 lb	1 968	357	73	1 821	208	85	818	72	54	961	72	78
1,000 to 9,999 lb	21 850	6 566	1 276	18 984	3 970	1 614	8 196	1 532	1 138	8 350	1 562	1 689
10,000 to 49,999 lb	34 049	33 629	6 555	26 721	21 060	8 715	9 531	8 276	6 226	8 639	8 064	8 842
50,000 to 99,999 lb	9 002	26 818	5 369	3 396	7 277	2 966	822	2 025	1 512	1 386	988	1 088
100,000 lb or more	6 265	28 884	6 075	4 979	23 700	9 825	2 012	7 592	6 203	4 801	5 310	6 167
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	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	–	–	–	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**1 013**	**7 403**	**1 836**	**S**	**S**	**S**	**S**	**31**	**22**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	2	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	16	99	S	S	S	S	4	9	7	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	914	6 663	1 616	S	S	S	S	S	S	S	S	S
SCTG 03, Other agricultural products	**3 565**	**3 101**	**580**	**1 608**	**1 588**	**627**	**595**	**567**	**434**	**786**	**863**	**968**
Less than 50 lb	S	S	S	19	–	–	17	S	S	S	S	S
50 to 99 lb	14	3	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	65	S	6	75	8	3	S	S	S	S	5	5
500 to 749 lb	53	33	7	S	8	3	4	2	2	S	S	S
750 to 999 lb	14	S	S	12	3	1	S	S	S	6	S	S
1,000 to 9,999 lb	503	494	96	331	274	102	128	133	96	180	121	136
10,000 to 49,999 lb	1 727	1 585	296	972	1 088	428	261	329	259	500	682	765
50,000 to 99,999 lb	298	335	62	33	56	23	S	S	S	S	S	S
100,000 lb or more	832	598	108	98	149	66	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**1 129**	**4 944**	**956**	**254**	**883**	**326**	**62**	**S**	**S**	**83**	**278**	**298**
Less than 50 lb	S	–	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	18	11	2	S	S	S	S	S	S	S	S	S
500 to 749 lb	13	7	1	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	1	–	–	–	–	–
1,000 to 9,999 lb	S	174	31	17	36	14	7	S	S	S	S	S
10,000 to 49,999 lb	651	2 968	583	162	492	179	16	26	19	S	47	52
50,000 to 99,999 lb	150	1 038	209	S	S	S	S	S	S	S	S	S
100,000 lb or more	164	733	127	S	S	S	S	S	S	51	228	241
SCTG 05, Meat, fish, seafood, and their preparations	**2 616**	**976**	**192**	**1 980**	**627**	**237**	**824**	**255**	**184**	**1 144**	**313**	**304**
Less than 50 lb	34	3	1	S	1	–	S	S	S	S	S	S
50 to 99 lb	50	7	1	11	1	1	S	S	S	S	S	S
100 to 499 lb	273	52	10	81	12	5	22	3	2	39	3	4
500 to 749 lb	119	29	6	40	7	3	13	2	2	S	1	1
750 to 999 lb	93	30	6	32	7	2	S	2	1	10	2	2
1,000 to 9,999 lb	1 214	432	83	606	162	65	312	69	50	275	52	55
10,000 to 49,999 lb	830	413	83	1 150	419	154	432	176	126	636	141	133
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**2 511**	**2 211**	**391**	**1 524**	**1 359**	**549**	**626**	**532**	**404**	**785**	**720**	**820**
Less than 50 lb	5	1	–	S	S	–	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	70	31	5	S	S	S	S	S	S	S	S	S
500 to 749 lb	34	15	3	13	6	3	S	S	1	S	S	S
750 to 999 lb	59	40	9	12	S	2	S	S	S	3	1	1
1,000 to 9,999 lb	748	461	89	381	188	76	66	39	28	119	S	77
10,000 to 49,999 lb	1 429	1 314	222	976	851	344	535	472	359	563	411	454
50,000 to 99,999 lb	93	159	29	S	S	S	S	S	S	S	S	S
100,000 lb or more	67	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**5 958**	**7 592**	**1 517**	**3 292**	**2 670**	**1 054**	**2 420**	**1 883**	**1 422**	**1 184**	**909**	**1 010**
Less than 50 lb	39	6	1	S	S	1	S	1	1	17	1	1
50 to 99 lb	41	5	1	S	S	S	8	1	1	S	S	S
100 to 499 lb	223	60	11	73	12	5	50	6	5	S	S	S
500 to 749 lb	105	37	7	27	10	4	19	3	2	S	2	2
750 to 999 lb	98	39	8	19	S	S	S	S	S	11	2	2
1,000 to 9,999 lb	1 306	952	181	621	257	104	254	115	87	239	112	121
10,000 to 49,999 lb	3 298	4 117	825	2 156	1 860	716	1 889	1 545	1 147	740	679	755
50,000 to 99,999 lb	753	S	S	214	274	115	45	51	42	5	S	10
100,000 lb or more	95	115	S	S	S	S	131	157	136	S	S	S
SCTG 08, Alcoholic beverages	**2 580**	**1 607**	**274**	**1 357**	**1 237**	**541**	**617**	**574**	**422**	**430**	**493**	**556**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	57	7	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	140	45	7	61	13	6	S	S	S	S	S	S
500 to 749 lb	27	11	2	15	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	3	1	S	S	S	S	S	S
1,000 to 9,999 lb	200	66	14	120	59	26	S	S	S	13	5	5
10,000 to 49,999 lb	1 506	1 026	182	762	784	325	340	317	235	308	381	420
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	328	328	162	143	208	151	S	S	S
SCTG 09, Tobacco products	**399**	**17**	**3**	**88**	**S**	**5**	**7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	26	1	–	S	–	–	S	S	S	S	S	S
50 to 99 lb	28	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	215	8	1	5	1	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	4	1	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	10	2	1	–	–	–	–	–	–
1,000 to 9,999 lb	64	4	1	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**28**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	61	10	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	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**19**	**715**	**162**	**S**	**289**	**126**	**S**	**S**	**S**	**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	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	3	58	15	S	68	28	–	–	–	S	S	S
50,000 to 99,999 lb	9	403	66	4	144	56	S	S	S	S	S	S
100,000 lb or more	4	251	79	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**28**	**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	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	2	90	35	S	S	S	S	S	S
50,000 to 99,999 lb	11	792	169	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**52**	**609**	**120**	**47**	**269**	**103**	**12**	**S**	**S**	**5**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	1	1
10,000 to 49,999 lb	34	183	34	S	S	S	S	S	S	4	S	S
50,000 to 99,999 lb	4	71	16	3	68	26	S	S	S	S	S	S
100,000 lb or more	8	S	S	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**S**	**39**	**8**	**35**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	2	1	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	27	5	–	–	–	S	S	S	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**2 866**	**10 648**	**1 805**	**1 609**	**6 072**	**2 190**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	S	S	S
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	14	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	145	442	85	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	997	3 341	564	289	925	358	S	S	S	–	–	–
100,000 lb or more	1 713	6 849	1 152	1 032	4 330	1 497	–	–	–	–	–	–
SCTG 18, Fuel oils	**697**	**3 819**	**719**	**780**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	36	151	31	60	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	148	579	106	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	3 080	S	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**882**	**4 070**	**819**	**S**	**S**	**S**	**124**	**270**	**220**	**65**	**184**	**223**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	16	17	4	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	38	41	7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	309	838	160	314	522	230	55	57	45	24	33	39
50,000 to 99,999 lb	157	644	115	S	158	65	S	S	S	–	–	–
100,000 lb or more	354	2 525	532	S	S	S	38	179	152	29	149	181
SCTG 20, Basic chemicals	**524**	**1 043**	**206**	**603**	**533**	**256**	**638**	**374**	**311**	**510**	**150**	**161**
Less than 50 lb	31	1	–	83	4	2	33	S	S	S	S	S
50 to 99 lb	17	1	–	81	S	S	S	S	S	S	S	S
100 to 499 lb	61	9	2	111	8	3	119	8	S	S	3	3
500 to 749 lb	8	S	S	S	S	S	61	1	1	S	2	2
750 to 999 lb	S	S	S	9	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	117	76	13	128	37	14	156	51	39	S	14	15
10,000 to 49,999 lb	168	602	107	121	216	92	200	160	120	46	38	40
50,000 to 99,999 lb	62	177	33	5	24	10	S	S	S	S	S	S
100,000 lb or more	38	164	47	35	233	129	22	147	138	40	78	86
SCTG 21, Pharmaceutical products	**2 403**	**61**	**13**	**942**	**45**	**18**	**373**	**S**	**7**	**713**	**23**	**23**
Less than 50 lb	1 006	11	2	453	4	1	221	2	1	345	2	2
50 to 99 lb	405	8	2	90	1	–	S	1	1	36	1	1
100 to 499 lb	738	17	4	154	6	3	62	S	S	143	7	5
500 to 749 lb	S	3	1	45	4	1	12	–	–	S	S	S
750 to 999 lb	16	1	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	99	15	3	175	19	8	S	S	3	S	10	11
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**200**	**1 247**	**241**	**82**	**348**	**162**	**73**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	–	–	S	S	S	S	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	13	17	3	10	8	3	S	S	S	S	S	S
10,000 to 49,999 lb	116	833	158	40	154	61	S	46	32	S	S	S
50,000 to 99,999 lb	49	303	59	17	101	48	S	S	S	–	–	–
100,000 lb or more	18	91	20	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**2 248**	**818**	**161**	**2 947**	**1 333**	**535**	**1 100**	**435**	**327**	**1 001**	**254**	**261**
Less than 50 lb	275	20	4	366	10	5	146	6	5	S	2	2
50 to 99 lb	151	14	3	102	8	4	S	3	2	74	3	3
100 to 499 lb	356	42	8	334	44	19	171	14	11	99	8	8
500 to 749 lb	111	11	2	S	21	9	S	4	3	43	S	S
750 to 999 lb	S	11	S	43	13	5	S	S	S	45	8	8
1,000 to 9,999 lb	793	212	38	678	252	101	237	69	52	312	65	68
10,000 to 49,999 lb	471	449	90	1 233	964	384	389	319	240	289	156	157
50,000 to 99,999 lb	22	55	12	16	13	6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**2 374**	**985**	**196**	**2 024**	**659**	**273**	**1 191**	**343**	**264**	**1 172**	**337**	**364**
Less than 50 lb	195	7	1	299	9	4	146	5	4	116	4	5
50 to 99 lb	80	8	2	101	6	3	39	3	2	37	3	3
100 to 499 lb	270	37	7	236	29	12	96	8	6	161	15	16
500 to 749 lb	120	23	4	80	12	5	46	6	4	37	4	4
750 to 999 lb	78	20	4	55	11	5	67	7	5	44	7	8
1,000 to 9,999 lb	1 013	371	78	679	239	99	433	107	81	432	136	145
10,000 to 49,999 lb	577	448	84	542	313	128	335	180	140	336	154	166
50,000 to 99,999 lb	23	41	9	26	38	16	S	S	S	S	S	S
100,000 lb or more	18	30	7	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**513**	**4 080**	**850**	**75**	**161**	**75**	**55**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	38	40	7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	131	822	146	50	88	38	25	37	29	S	S	S
50,000 to 99,999 lb	183	2 321	450	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	8	23	30
SCTG 26, Wood products	**4 745**	**10 712**	**2 291**	**2 348**	**6 335**	**2 960**	**1 508**	**3 548**	**2 959**	**1 208**	**2 225**	**2 737**
Less than 50 lb	28	1	–	S	1	–	5	S	S	3	–	–
50 to 99 lb	S	S	S	2	–	–	3	–	–	S	S	S
100 to 499 lb	77	19	4	76	8	4	9	2	2	9	S	1
500 to 749 lb	30	11	2	15	3	1	7	S	S	S	S	S
750 to 999 lb	17	5	1	14	4	2	S	S	S	S	–	–
1,000 to 9,999 lb	409	341	65	133	93	39	79	S	S	42	23	24
10,000 to 49,999 lb	1 713	3 530	718	1 192	2 590	1 119	636	1 157	889	507	786	880
50,000 to 99,999 lb	2 045	5 453	1 180	593	1 467	682	363	761	582	186	413	478
100,000 lb or more	409	1 349	321	299	S	S	397	1 524	1 415	451	1 000	1 350
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 336**	**2 327**	**534**	**1 082**	**1 902**	**973**	**900**	**1 780**	**1 448**	**1 124**	**2 325**	**2 631**
Less than 50 lb	14	1	–	14	1	–	2	–	–	1	–	–
50 to 99 lb	S	S	S	2	1	–	S	S	S	S	S	S
100 to 499 lb	22	8	1	38	10	5	5	1	S	S	1	1
500 to 749 lb	S	5	1	6	2	1	2	1	1	S	S	S
750 to 999 lb	14	6	1	5	3	1	2	–	–	S	S	S
1,000 to 9,999 lb	161	120	22	94	75	30	29	14	10	29	18	19
10,000 to 49,999 lb	440	697	149	490	697	304	396	674	510	397	749	808
50,000 to 99,999 lb	389	928	202	67	156	70	40	73	60	33	67	78
100,000 lb or more	276	561	157	365	959	561	423	1 017	865	658	1 490	1 724
SCTG 28, Paper or paperboard articles	**1 395**	**1 179**	**229**	**1 375**	**1 278**	**581**	**557**	**391**	**300**	**1 001**	**599**	**640**
Less than 50 lb	16	1	–	22	2	1	10	1	1	11	1	1
50 to 99 lb	13	3	–	9	2	1	4	S	–	2	S	S
100 to 499 lb	105	35	7	35	8	3	13	2	1	18	4	4
500 to 749 lb	43	15	3	23	9	4	5	1	1	13	2	2
750 to 999 lb	22	11	2	17	9	4	8	4	3	S	S	S
1,000 to 9,999 lb	442	282	55	309	183	72	77	41	31	S	56	60
10,000 to 49,999 lb	708	779	152	909	949	432	421	300	226	764	500	535
50,000 to 99,999 lb	S	40	7	27	37	16	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**1 668**	**403**	**81**	**1 813**	**506**	**222**	**760**	**177**	**132**	**813**	**182**	**209**
Less than 50 lb	535	S	S	298	15	6	143	6	5	163	6	7
50 to 99 lb	69	6	1	145	9	4	60	4	3	120	8	9
100 to 499 lb	362	27	5	414	35	15	163	13	10	183	14	15
500 to 749 lb	71	15	3	131	29	12	91	S	S	38	4	4
750 to 999 lb	45	9	2	41	7	3	36	4	3	S	3	3
1,000 to 9,999 lb	263	96	21	376	120	49	113	33	24	124	46	49
10,000 to 49,999 lb	310	194	37	390	224	90	152	97	72	159	100	120
50,000 to 99,999 lb	S	22	5	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**4 302**	**582**	**118**	**6 739**	**369**	**147**	**1 911**	**84**	**65**	**2 757**	**126**	**142**
Less than 50 lb	461	10	2	1 186	22	9	485	10	8	549	12	13
50 to 99 lb	81	5	1	242	10	4	184	5	3	144	7	8
100 to 499 lb	358	38	8	601	31	13	300	12	9	444	24	26
500 to 749 lb	129	17	3	193	12	5	62	3	3	376	S	S
750 to 999 lb	118	18	4	177	8	3	56	2	2	68	S	S
1,000 to 9,999 lb	S	192	35	839	74	30	643	28	21	527	30	32
10,000 to 49,999 lb	S	S	S	S	S	S	174	25	20	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**1 599**	**8 851**	**1 762**	**1 186**	**4 557**	**1 986**	**557**	**1 535**	**1 190**	**468**	**808**	**868**
Less than 50 lb	25	3	–	43	4	2	19	1	1	28	2	2
50 to 99 lb	33	4	1	S	4	1	S	S	S	S	3	3
100 to 499 lb	56	14	3	52	12	5	22	5	4	S	5	6
500 to 749 lb	12	4	1	11	4	2	5	1	1	S	S	S
750 to 999 lb	S	7	1	5	2	1	1	1	1	S	S	S
1,000 to 9,999 lb	274	167	35	128	93	37	72	36	27	99	57	64
10,000 to 49,999 lb	779	3 070	579	706	2 017	839	367	888	661	204	513	545
50,000 to 99,999 lb	330	4 407	844	124	860	338	S	S	S	22	133	134
100,000 lb or more	67	1 175	298	90	1 562	760	S	479	399	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**2 231**	**2 040**	**400**	**2 156**	**2 190**	**935**	**968**	**975**	**749**	**1 718**	**846**	**991**
Less than 50 lb	44	2	–	82	3	1	S	1	1	54	2	2
50 to 99 lb	32	3	1	60	3	1	8	1	1	38	2	2
100 to 499 lb	116	18	3	90	11	4	58	6	5	84	8	9
500 to 749 lb	45	12	2	34	5	2	S	S	S	28	3	4
750 to 999 lb	32	12	2	27	6	3	6	1	1	18	1	1
1,000 to 9,999 lb	524	319	64	405	206	86	201	71	48	534	101	109
10,000 to 49,999 lb	937	1 026	194	1 162	1 453	594	512	593	438	633	340	366
50,000 to 99,999 lb	354	503	98	222	316	127	S	37	31	S	S	S
100,000 lb or more	S	S	S	73	187	116	97	261	224	310	359	467
SCTG 33, Articles of base metal	**2 909**	**1 283**	**244**	**2 373**	**1 118**	**464**	**892**	**348**	**260**	**1 326**	**447**	**499**
Less than 50 lb	379	13	2	380	9	4	131	3	2	303	7	7
50 to 99 lb	98	10	2	107	4	2	83	3	2	74	1	2
100 to 499 lb	481	50	10	270	29	12	118	10	8	189	12	13
500 to 749 lb	80	18	3	97	17	7	67	8	6	42	3	4
750 to 999 lb	71	15	3	58	9	4	46	7	5	52	6	6
1,000 to 9,999 lb	828	254	46	759	277	122	222	90	69	379	155	170
10,000 to 49,999 lb	900	831	158	637	628	251	202	197	146	244	207	230
50,000 to 99,999 lb	30	26	5	24	S	S	10	16	11	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	14	11	S	S	S
SCTG 34, Machinery	**3 180**	**239**	**46**	**2 310**	**192**	**83**	**2 623**	**107**	**83**	**1 219**	**124**	**135**
Less than 50 lb	569	13	3	504	8	3	190	3	3	192	3	3
50 to 99 lb	198	10	2	S	5	2	S	1	1	S	S	S
100 to 499 lb	535	36	7	310	21	9	154	10	8	361	S	S
500 to 749 lb	178	15	3	185	17	7	98	5	3	54	S	S
750 to 999 lb	63	4	1	44	4	2	46	4	3	33	S	S
1,000 to 9,999 lb	835	84	17	593	86	37	1 617	48	36	348	33	36
10,000 to 49,999 lb	S	75	14	390	47	21	441	16	12	151	30	31
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10 568**	**274**	**54**	**23 512**	**711**	**302**	**8 036**	**196**	**150**	**9 493**	**184**	**200**
Less than 50 lb	2 918	22	4	7 189	25	11	2 784	11	8	2 819	10	12
50 to 99 lb	1 204	S	4	1 971	13	5	889	5	4	817	6	6
100 to 499 lb	1 864	49	10	3 845	68	28	2 230	20	16	2 293	26	28
500 to 749 lb	182	11	2	1 452	23	10	365	12	9	585	11	12
750 to 999 lb	155	10	2	627	38	15	111	2	1	S	10	10
1,000 to 9,999 lb	S	103	20	4 125	286	118	1 249	S	S	2 262	82	90
10,000 to 49,999 lb	426	52	10	S	256	114	370	55	45	355	35	38
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	–	–	–

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)	**4 121**	**385**	**76**	**5 364**	**1 588**	**601**	**1 345**	**165**	**126**	**1 233**	**100**	**110**
Less than 50 lb	354	14	3	431	12	5	201	7	5	186	6	7
50 to 99 lb	217	13	3	153	7	3	37	3	2	34	2	2
100 to 499 lb	1 258	88	17	729	35	15	328	16	13	239	12	13
500 to 749 lb	S	43	S	S	28	11	22	4	3	S	4	3
750 to 999 lb	344	19	4	214	13	5	32	5	4	15	S	S
1,000 to 9,999 lb	715	93	21	1 520	196	76	122	36	28	S	25	29
10,000 to 49,999 lb	347	89	16	1 038	212	86	599	S	S	391	43	48
50,000 to 99,999 lb	109	15	3	514	681	251	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**1 383**	**51**	**11**	**730**	**S**	**S**	**637**	**S**	**S**	**4 774**	**11**	**12**
Less than 50 lb	229	1	–	369	1	–	173	–	–	699	1	1
50 to 99 lb	56	–	–	37	–	–	S	S	S	86	–	–
100 to 499 lb	S	S	S	74	S	S	S	1	1	290	2	2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	–	–
750 to 999 lb	S	S	S	21	S	S	S	S	S	64	1	1
1,000 to 9,999 lb	S	S	S	S	3	1	S	S	S	S	2	2
10,000 to 49,999 lb	407	23	5	S	S	S	S	4	3	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**1 343**	**S**	**S**	**3 567**	**72**	**31**	**2 003**	**20**	**15**	**2 643**	**36**	**38**
Less than 50 lb	455	3	1	967	4	2	486	2	2	625	3	3
50 to 99 lb	77	1	–	213	2	1	139	1	1	S	1	2
100 to 499 lb	300	5	1	876	9	4	526	3	3	267	5	5
500 to 749 lb	57	S	S	138	2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	3	S	S	S	S
1,000 to 9,999 lb	369	S	S	1 099	S	S	537	9	7	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	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**741**	**153**	**31**	**1 274**	**206**	**83**	**427**	**66**	**52**	**678**	**144**	**160**
Less than 50 lb	18	1	–	41	2	1	S	1	–	S	S	S
50 to 99 lb	S	3	1	32	3	1	8	1	1	32	2	2
100 to 499 lb	143	22	4	244	22	9	58	7	5	120	21	S
500 to 749 lb	94	16	3	94	15	6	S	4	3	21	4	4
750 to 999 lb	43	9	2	75	19	8	23	3	3	S	6	7
1,000 to 9,999 lb	289	74	15	647	107	43	163	34	27	212	48	51
10,000 to 49,999 lb	113	27	5	141	39	16	56	16	12	194	59	68
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**S**	**2 182**	**440**	**7 614**	**869**	**352**	**2 836**	**471**	**360**	**2 615**	**S**	**S**
Less than 50 lb	963	15	3	1 661	22	10	1 030	16	13	925	11	13
50 to 99 lb	234	9	2	321	13	6	96	4	3	S	13	15
100 to 499 lb	515	40	7	573	29	13	483	14	11	289	18	20
500 to 749 lb	326	20	4	191	20	8	45	5	4	103	6	6
750 to 999 lb	S	12	3	158	13	5	19	3	3	31	3	4
1,000 to 9,999 lb	2 655	487	98	S	296	116	692	138	108	568	185	203
10,000 to 49,999 lb	S	S	S	S	377	154	342	211	158	99	S	S
50,000 to 99,999 lb	95	S	18	68	58	24	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**264**	**2 694**	**516**	**464**	**2 104**	**920**	**79**	**522**	**441**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	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	175	1 340	245	352	S	S	16	34	27	77	S	S
50,000 to 99,999 lb	55	753	162	38	113	47	S	15	11	S	S	S
100,000 lb or more	S	592	107	67	389	164	60	474	403	S	S	S
SCTG 43, Mixed freight	**8 481**	**4 561**	**977**	**2 387**	**740**	**312**	**484**	**136**	**103**	**91**	**34**	**36**
Less than 50 lb	64	2	–	S	2	1	S	–	–	12	–	–
50 to 99 lb	24	3	1	6	1	1	S	S	S	S	–	–
100 to 499 lb	219	48	8	57	15	6	9	2	2	14	2	2
500 to 749 lb	110	29	5	38	10	4	9	4	3	S	S	S
750 to 999 lb	S	36	7	55	11	5	19	S	S	S	S	S
1,000 to 9,999 lb	1 160	446	84	S	170	72	S	83	62	S	S	S
10,000 to 49,999 lb	5 080	3 210	S	772	291	122	47	39	30	S	S	3
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	**553**	**305**	**57**	**410**	**341**	**135**	**238**	**S**	**S**	**143**	**S**	**S**
Less than 50 lb	13	1	–	61	1	1	S	–	–	27	S	S
50 to 99 lb	S	1	S	S	S	S	S	S	S	S	–	–
100 to 499 lb	S	S	S	51	1	1	6	–	–	S	1	1
500 to 749 lb	S	S	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	1	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	71	18	4	122	19	8	32	S	S	27	6	6
10,000 to 49,999 lb	191	161	23	S	S	S	114	S	71	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	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 (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**57 203**	**15 020**	**23 616**	**99 005**	**20 802**	**47 066**	**136 958**	**20 352**	**58 214**
Less than 50 lb	11 282	124	197	21 556	241	507	35 791	360	988
50 to 99 lb	3 236	65	106	4 870	116	246	12 275	156	425
100 to 499 lb	8 652	244	386	11 807	470	975	19 841	603	1 653
500 to 749 lb	2 433	104	163	4 501	199	410	5 472	255	696
750 to 999 lb	1 348	84	128	3 511	182	382	3 984	170	465
1,000 to 9,999 lb	13 363	1 830	2 777	18 948	2 581	5 430	30 826	3 662	10 012
10,000 to 49,999 lb	11 643	5 299	8 315	20 338	8 211	18 282	20 399	8 731	24 893
50,000 to 99,999 lb	249	506	822	2 397	990	2 173	1 639	826	2 315
100,000 lb or more	4 996	6 763	10 721	11 078	7 814	18 661	6 729	5 591	16 768
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	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 03, Other agricultural products	**926**	**912**	**1 460**	**2 193**	**2 057**	**4 630**	**3 681**	**3 083**	**8 553**
Less than 50 lb	S	S	S	S	S	S	75	2	8
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	4	6	85	S	S	148	S	S
500 to 749 lb	1	–	1	S	2	5	38	6	17
750 to 999 lb	S	1	1	S	3	6	S	4	13
1,000 to 9,999 lb	188	206	322	372	466	1 007	605	752	2 064
10,000 to 49,999 lb	624	524	841	1 359	1 272	2 858	2 624	2 018	5 566
50,000 to 99,999 lb	S	8	12	S	91	212	59	S	S
100,000 lb or more	54	167	273	161	210	510	74	149	451
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**24**	**50**	**S**	**302**	**874**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	14	22	S	16	33	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**1 290**	**586**	**849**	**1 109**	**352**	**740**	**1 328**	**243**	**669**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	6	S	S	S	S	S
100 to 499 lb	25	3	4	41	3	6	87	8	25
500 to 749 lb	17	2	3	16	2	4	46	4	12
750 to 999 lb	25	5	6	S	1	2	S	1	4
1,000 to 9,999 lb	178	37	52	257	39	79	688	97	265
10,000 to 49,999 lb	757	304	450	380	122	253	453	129	352
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	316	169	358	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**512**	**368**	**586**	**574**	**521**	**1 199**	**677**	**449**	**1 256**
Less than 50 lb	S	S	S	S	S	S	S	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	3	9
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	45	24	39	107	37	78	198	S	S
10,000 to 49,999 lb	377	244	378	316	219	476	432	327	911
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	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**1 683**	**1 447**	**2 447**	**4 008**	**2 657**	**6 012**	**2 765**	**2 553**	**7 543**
Less than 50 lb	S	1	1	17	1	3	29	2	6
50 to 99 lb	7	–	1	5	1	1	21	2	6
100 to 499 lb	38	6	10	41	5	10	76	7	21
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	3	7	S	S	S
1,000 to 9,999 lb	131	70	117	291	112	236	256	69	192
10,000 to 49,999 lb	1 245	1 033	1 674	2 959	1 636	3 581	1 394	1 213	3 500
50,000 to 99,999 lb	10	27	49	77	141	325	88	84	240
100,000 lb or more	225	308	591	557	755	1 842	848	1 166	3 553
SCTG 08, Alcoholic beverages	**308**	**333**	**530**	**988**	**607**	**1 374**	**1 789**	**1 079**	**3 241**
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	–	1
500 to 749 lb	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	15	6	9	75	35	78	S	S	S
10,000 to 49,999 lb	283	326	519	780	491	1 105	1 272	719	2 098
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 09, Tobacco products	**S**	**S**	**S**	**S**	**S**	**S**	**17**	**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	–	–	–	–	–	–	–	–	–
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
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**–**	**–**	**–**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	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	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**9**	**28**	**47**	**28**	**S**	**S**	**42**	**179**	**476**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	6	18	29	19	S	S	36	124	330
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	6	39	83	4	12	33

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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–
100 to 499 lb	–	–	–	S	S	S	S	–	–
500 to 749 lb	–	–	–	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	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 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**S**	**2 414**	**3 484**	**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	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
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 19, Coal and petroleum products, n.e.c.	**48**	**199**	**303**	**34**	**S**	**S**	**48**	**66**	**181**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	23	124	181	19	25	S	S	37	94
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**493**	**266**	**440**	**859**	**770**	**1 909**	**818**	**249**	**731**
Less than 50 lb	56	2	3	70	2	5	141	5	13
50 to 99 lb	S	S	S	70	3	5	55	S	S
100 to 499 lb	S	S	S	64	S	S	109	7	19
500 to 749 lb	16	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46	14	22	81	13	27	S	28	78
10,000 to 49,999 lb	S	69	110	187	96	206	135	64	186
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	169	283	375	647	1 646	52	111	335
SCTG 21, Pharmaceutical products	**1 341**	**56**	**82**	**1 153**	**S**	**S**	**2 224**	**57**	**155**
Less than 50 lb	308	2	4	521	2	5	1 010	3	9
50 to 99 lb	S	1	2	100	S	S	251	2	4
100 to 499 lb	120	S	S	161	2	5	370	4	11
500 to 749 lb	S	S	S	S	1	S	S	1	2
750 to 999 lb	S	S	S	S	1	2	S	S	S
1,000 to 9,999 lb	S	S	S	177	14	28	296	26	70
10,000 to 49,999 lb	252	18	30	S	S	S	S	15	40
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 22, Fertilizers	**S**	**S**	**S**	**S**	**S**	**S**	**7**	**26**	**69**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	6	26	69
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**958**	**S**	**S**	**989**	**340**	**761**	**1 662**	**397**	**1 118**
Less than 50 lb	107	3	4	126	2	5	224	4	10
50 to 99 lb	43	2	4	28	1	3	95	4	10
100 to 499 lb	358	8	13	114	10	20	211	12	33
500 to 749 lb	35	5	6	71	7	15	110	8	23
750 to 999 lb	S	2	3	27	4	8	34	6	16
1,000 to 9,999 lb	161	43	65	210	51	109	492	78	212
10,000 to 49,999 lb	176	122	182	362	159	340	457	163	432
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	103	256	S	120	376
SCTG 24, Plastics and rubber	**1 214**	**259**	**399**	**2 020**	**388**	**830**	**2 457**	**477**	**1 318**
Less than 50 lb	159	7	10	334	16	34	485	20	55
50 to 99 lb	63	3	5	101	6	12	132	8	20
100 to 499 lb	207	16	25	337	29	60	400	28	75
500 to 749 lb	76	S	S	48	7	14	105	13	35
750 to 999 lb	18	4	7	111	11	22	82	11	31
1,000 to 9,999 lb	379	69	104	400	78	163	669	137	369
10,000 to 49,999 lb	306	130	201	657	206	450	531	180	500
50,000 to 99,999 lb	–	–	–	S	S	S	32	14	38
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**46**	**84**	**196**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	S	S	S
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	S	S	S	S	S	S
100,000 lb or more	S	S	S	24	44	104	S	S	S
SCTG 26, Wood products	**945**	**1 368**	**2 364**	**2 514**	**3 192**	**7 846**	**2 014**	**2 307**	**7 144**
Less than 50 lb	2	–	–	7	–	1	9	1	3
50 to 99 lb	3	–	–	5	–	1	4	1	1
100 to 499 lb	17	2	3	S	1	2	39	4	11
500 to 749 lb	S	–	–	4	1	1	7	1	3
750 to 999 lb	S	S	S	S	–	1	S	S	S
1,000 to 9,999 lb	99	27	45	95	31	66	73	23	63
10,000 to 49,999 lb	454	465	761	1 237	976	2 478	987	693	2 134
50,000 to 99,999 lb	99	176	288	302	346	779	155	193	553
100,000 lb or more	264	696	1 262	848	1 837	4 517	733	1 391	4 374
SCTG 27, Pulp, newsprint, paper, and paperboard	**307**	**511**	**821**	**532**	**702**	**1 596**	**401**	**411**	**1 209**
Less than 50 lb	2	–	–	5	–	1	11	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–
100 to 499 lb	S	S	S	S	2	3	8	1	4
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	5	2	3	S	S	S	50	S	S
10,000 to 49,999 lb	147	218	343	300	380	852	183	171	489
50,000 to 99,999 lb	–	–	–	S	42	99	S	S	S
100,000 lb or more	143	286	466	115	256	596	138	206	630
SCTG 28, Paper or paperboard articles	**272**	**170**	**235**	**402**	**179**	**405**	**633**	**326**	**1 199**
Less than 50 lb	S	1	2	S	S	S	S	3	7
50 to 99 lb	1	S	S	S	S	S	S	S	S
100 to 499 lb	4	1	2	28	4	8	34	3	10
500 to 749 lb	4	2	2	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	18	14	19	44	12	24	S	28	80
10,000 to 49,999 lb	199	134	181	180	116	258	321	267	1 028
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**878**	**114**	**185**	**2 080**	**537**	**1 080**	**1 988**	**420**	**1 184**
Less than 50 lb	327	11	18	481	17	37	591	23	63
50 to 99 lb	68	6	9	109	10	21	134	12	34
100 to 499 lb	152	23	40	497	95	187	326	42	115
500 to 749 lb	56	11	19	160	47	95	89	S	S
750 to 999 lb	S	S	6	191	S	S	S	5	15
1,000 to 9,999 lb	134	21	32	481	264	527	462	S	S
10,000 to 49,999 lb	80	39	60	160	49	98	237	45	126
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**3 871**	**171**	**267**	**9 560**	**411**	**872**	**13 886**	**611**	**1 677**
Less than 50 lb	1 128	24	37	2 172	47	99	3 730	80	216
50 to 99 lb	257	12	S	765	33	71	877	28	77
100 to 499 lb	490	20	32	990	42	89	1 975	79	216
500 to 749 lb	221	7	12	323	17	37	707	31	85
750 to 999 lb	117	7	11	626	18	37	403	18	49
1,000 to 9,999 lb	1 228	78	120	3 466	180	386	4 397	191	523
10,000 to 49,999 lb	430	22	34	1 082	66	138	1 679	128	357
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**353**	**427**	**665**	**501**	**481**	**1 054**	**590**	**631**	**1 694**
Less than 50 lb	54	2	4	83	3	6	109	6	16
50 to 99 lb	17	S	S	19	1	3	S	S	S
100 to 499 lb	S	S	S	S	S	S	87	14	37
500 to 749 lb	3	–	1	S	S	S	S	2	5
750 to 999 lb	S	–	–	3	1	1	1	1	2
1,000 to 9,999 lb	73	19	30	113	47	99	67	31	81
10,000 to 49,999 lb	97	207	339	133	215	451	210	287	763
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	279	755
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 861**	**651**	**1 087**	**2 355**	**1 294**	**2 902**	**1 622**	**761**	**2 135**
Less than 50 lb	89	2	4	S	S	S	S	S	S
50 to 99 lb	S	S	S	32	1	3	55	S	S
100 to 499 lb	67	5	9	127	6	12	283	12	34
500 to 749 lb	32	2	3	S	S	S	61	6	16
750 to 999 lb	45	5	8	S	S	S	S	3	10
1,000 to 9,999 lb	S	72	107	222	82	173	465	86	231
10,000 to 49,999 lb	490	196	307	873	628	1 357	363	S	S
50,000 to 99,999 lb	S	S	S	S	25	S	20	50	135
100,000 lb or more	222	302	540	760	533	1 266	110	S	S
SCTG 33, Articles of base metal	**2 388**	**675**	**1 034**	**1 920**	**527**	**1 448**	**2 577**	**801**	**2 173**
Less than 50 lb	309	7	11	448	13	26	577	12	32
50 to 99 lb	90	3	5	80	3	6	119	4	10
100 to 499 lb	153	15	23	399	26	55	372	23	61
500 to 749 lb	S	10	15	S	10	20	75	13	40
750 to 999 lb	28	5	8	29	4	S	S	5	12
1,000 to 9,999 lb	767	154	238	419	115	243	747	205	542
10,000 to 49,999 lb	S	337	495	300	182	395	486	323	898
50,000 to 99,999 lb	S	S	S	S	S	S	86	101	264
100,000 lb or more	81	96	145	S	S	S	59	S	S
SCTG 34, Machinery	**3 164**	**394**	**593**	**5 448**	**389**	**838**	**5 573**	**521**	**1 401**
Less than 50 lb	359	7	11	662	9	18	1 037	19	52
50 to 99 lb	91	S	S	128	3	6	245	5	14
100 to 499 lb	332	19	27	1 080	26	55	731	52	146
500 to 749 lb	168	13	19	197	9	20	194	8	22
750 to 999 lb	316	8	12	156	7	15	214	7	18
1,000 to 9,999 lb	725	86	126	1 330	109	233	2 270	88	242
10,000 to 49,999 lb	1 153	83	128	1 739	191	416	872	90	244
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**19 575**	**524**	**798**	**28 146**	**583**	**1 259**	**49 312**	**1 176**	**3 254**
Less than 50 lb	4 466	15	25	8 369	33	69	15 984	51	140
50 to 99 lb	1 381	9	14	2 145	16	34	4 027	31	83
100 to 499 lb	4 714	48	77	4 861	73	155	8 543	105	285
500 to 749 lb	1 221	12	18	2 084	22	47	2 587	47	128
750 to 999 lb	472	11	17	1 583	24	50	2 215	38	105
1,000 to 9,999 lb	5 816	234	355	5 125	212	461	14 409	S	S
10,000 to 49,999 lb	1 487	191	285	S	200	437	1 467	118	330
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	66	9	23

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**1 807**	**157**	**253**	**3 138**	**281**	**605**	**3 066**	**294**	**793**
Less than 50 lb	180	4	7	223	6	12	501	14	38
50 to 99 lb	43	1	2	107	3	6	122	8	21
100 to 499 lb	151	11	17	241	16	34	545	29	78
500 to 749 lb	S	S	S	S	S	18	110	5	13
750 to 999 lb	S	S	S	S	8	17	100	6	16
1,000 to 9,999 lb	467	33	55	688	52	101	381	55	148
10,000 to 49,999 lb	919	101	162	1 488	178	399	1 257	169	456
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**4 604**	**14**	**22**	**11 754**	**35**	**80**	**14 394**	**53**	**151**
Less than 50 lb	661	1	2	619	1	2	S	2	5
50 to 99 lb	194	1	2	157	–	1	S	1	3
100 to 499 lb	359	3	4	185	2	4	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	S
750 to 999 lb	S	–	1	S	S	S	S	S	S
1,000 to 9,999 lb	109	4	6	S	S	S	S	12	35
10,000 to 49,999 lb	S	S	S	145	9	21	S	18	52
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**2 416**	**25**	**39**	**4 417**	**65**	**135**	**8 381**	**67**	**184**
Less than 50 lb	1 127	5	8	1 972	8	18	4 283	13	37
50 to 99 lb	243	2	3	376	3	6	554	4	10
100 to 499 lb	684	6	9	728	9	19	1 809	17	48
500 to 749 lb	84	S	S	419	6	14	514	4	11
750 to 999 lb	S	S	S	S	S	S	196	3	S
1,000 to 9,999 lb	S	S	S	743	33	67	898	16	42
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**630**	**161**	**240**	**1 303**	**188**	**400**	**1 724**	**352**	**968**
Less than 50 lb	S	1	2	S	S	S	87	4	11
50 to 99 lb	38	2	3	S	S	S	S	8	22
100 to 499 lb	85	9	14	264	22	47	217	19	51
500 to 749 lb	33	6	9	89	9	18	67	9	25
750 to 999 lb	22	4	5	S	8	17	55	9	23
1,000 to 9,999 lb	249	56	85	398	63	131	715	120	333
10,000 to 49,999 lb	142	61	91	247	74	162	426	153	423
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**3 905**	**S**	**S**	**9 478**	**739**	**1 540**	**11 037**	**849**	**2 294**
Less than 50 lb	1 767	25	41	4 763	53	112	4 798	76	213
50 to 99 lb	346	8	13	420	14	28	921	23	63
100 to 499 lb	439	27	41	1 285	54	110	1 842	79	216
500 to 749 lb	115	14	22	337	24	49	470	S	S
750 to 999 lb	54	6	9	165	16	33	194	14	40
1,000 to 9,999 lb	945	S	S	1 566	S	S	1 654	S	S
10,000 to 49,999 lb	236	58	92	938	115	246	1 145	157	432
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 41, Waste and scrap	**48**	**S**	**S**	**147**	**159**	**355**	**262**	**1 010**	**2 873**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	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	47	S	S	130	102	236	80	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	125	808	2 294
SCTG 43, Mixed freight	**67**	**9**	**12**	**244**	**50**	**103**	**342**	**121**	**S**
Less than 50 lb	13	1	1	80	5	11	78	4	10
50 to 99 lb	S	S	S	26	4	9	12	2	5
100 to 499 lb	12	1	2	34	6	13	26	S	S
500 to 749 lb	S	S	S	S	–	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	1	2
1,000 to 9,999 lb	S	4	6	27	10	20	36	12	35
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**511**	**56**	**91**	**438**	**62**	**136**	**757**	**101**	**290**
Less than 50 lb	80	1	1	109	1	1	196	2	4
50 to 99 lb	S	–	S	S	S	S	27	1	2
100 to 499 lb	S	1	2	59	2	4	62	2	5
500 to 749 lb	4	–	–	S	S	S	S	1	4
750 to 999 lb	S	S	S	S	S	S	19	1	3
1,000 to 9,999 lb	S	7	10	94	23	49	55	S	S
10,000 to 49,999 lb	S	S	S	S	22	48	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	75	–	1	S	S	S	S	S	S

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

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

[1]Based on Great Circle Distance.

Appendix A.
Comparability With the 1993 Commodity Flow Survey

The Commodity Flow Survey (CFS) restores a data program on commodity flows that the Census Bureau conducted as a part of its 5-year economic census program from 1963 through 1977. The CFS was first conducted in 1993. For the 1997 CFS, the Census Bureau incorporated improvements identified from the evaluation of previous surveys and additional research. The following table shows a comparison of the 1993 and 1997 surveys.

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

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

Appendix B. Reliability of the Estimates

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

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

SAMPLING ERROR

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

The particular sample used in this survey is one of a large number of samples of the same size and design that could have been selected. If all possible samples had been surveyed, under the same conditions, an estimate of an unknown population value could have been obtained from each sample. The estimates obtained from these samples give rise to a distribution of estimates for the unknown population value. A statistical measure of the variability among these estimates is the standard error, which can be approximated from any one sample. The coefficient of variation (or relative standard error) of an estimate is the standard error of the estimate divided by the estimate. Measures of sampling variability, such as the standard error or coefficient of variation, are estimated from the sample and are also subject to sampling variability. (Technically, we should refer to the estimated standard error or the estimated coefficient of variation of an estimator. However, we have omitted this detail for the sake of brevity.) It is important to note that the standard error and coefficient of variation only measure sampling variability. They do not measure any biases in the estimates. All coefficients of variation are expressed as percents. Standard errors for the corresponding percentage estimates are also provided.

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

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

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

NONSAMPLING ERROR

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

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

occurs either when a question is unanswered or the response to the question fails computer or analyst edits. Item nonresponse is corrected by imputation. (Imputation is the procedure by which a missing value is replaced by a predicted value obtained from an appropriate model.) Shipment, quarter, and establishment nonresponse are used to describe the inability to obtain sufficient information about a sampled shipment, quarter, or establishment, respectively, that prevents it from contributing to tabulations. Shipment and quarter nonresponse are corrected during the estimation procedure by reweighting. Reweighting allocates characteristics to the nonrespondents in proportion to the characteristics observed for the respondents. The amount of bias introduced by this nonresponse adjustment procedure depends on the extent to which the nonrespondents differ, characteristically, from the respondents. Establishment nonresponse is corrected during the estimation procedure by the SIC-level adjustment weight. (See Appendix C for a description of the estimation procedure.) In most cases of establishment nonresponse, none of the four questionnaires have been returned to the Census Bureau, after several attempts to elicit a response. Approximately 67 percent of the sampled establishments provided at least one quarter of data that contributed to tabulations.

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**	**5.3**
Single modes	**4.7**	**.9**	**5.9**	**1.0**	**3.3**	**1.7**	**9.8**
Truck	4.8	1.3	6.6	1.6	2.3	1.4	12.3
For-hire truck	5.1	1.0	8.2	1.9	2.7	1.3	6.8
Private truck	5.8	1.1	6.8	1.4	5.2	.7	8.4
Rail	5.7	.1	5.9	.3	6.3	1.0	4.5
Water	19.5	.2	17.0	.8	20.8	1.4	20.9
Shallow draft	18.6	–	17.7	.4	30.7	.5	12.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	29.5	.2	29.9	.8	26.2	1.4	19.8
Air (includes truck and air)	18.3	1.2	16.1	–	15.5	.1	2.1
Pipeline	10.6	.2	10.1	.7	S	S	S
Multiple modes	**3.3**	**.7**	**10.1**	**.1**	**7.3**	**.5**	**3.5**
Parcel, U.S. Postal Service or courier	3.6	.7	4.6	–	7.0	.1	3.5
Truck and rail	25.5	.2	15.0	–	12.6	.4	4.3
Truck and water	15.9	–	19.4	–	15.8	.4	10.4
Rail and water	S	S	S	S	S	S	20.1
Other multiple modes	S	S	S	S	30.3	–	28.4
Other and unknown modes	**6.1**	**.4**	**15.6**	**1.0**	**18.5**	**1.6**	**18.7**

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	**3.7**	**2.9**	**5.8**	**5.5**	**6.9**	**9.1**	**2.8**	**4.7**	**5.1**	**5.3**	**4.0**	**7.4**
Single modes	**4.7**	**2.4**	**6.7**	**5.9**	**5.8**	**8.6**	**3.3**	**4.2**	**5.0**	**9.8**	**12.1**	**13.1**
Truck	4.8	2.6	6.6	6.6	3.3	7.9	2.3	3.4	4.2	12.3	4.7	13.7
For-hire truck	5.1	4.1	7.2	8.2	7.2	10.1	2.7	4.4	5.1	6.8	4.2	9.4
Private truck	5.8	2.6	8.5	6.8	3.6	8.2	5.2	4.7	8.2	8.4	4.9	10.9
Rail	5.7	8.5	8.5	5.9	8.6	9.8	6.3	6.5	9.0	4.5	8.3	10.9
Water	19.5	17.3	35.6	17.0	24.7	42.2	20.8	27.1	23.0	20.9	7.5	13.4
Shallow draft	18.6	19.4	47.0	17.7	30.2	41.3	30.7	25.2	67.2	12.1	46.2	83.3
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	29.5	20.3	43.6	29.9	27.1	65.7	26.2	29.8	22.9	19.8	5.5	11.4
Air (includes truck and air)	18.3	9.8	49.1	16.1	16.1	34.6	15.5	17.2	36.7	2.1	4.2	5.1
Pipeline	10.6	26.1	26.7	10.1	36.0	28.3	S	S	S	S	S	S
Multiple modes	**3.3**	**9.9**	**14.6**	**10.1**	**25.9**	**29.8**	**7.3**	**20.4**	**22.0**	**3.5**	**4.3**	**6.7**
Parcel, U.S. Postal Service or courier	3.6	6.2	11.0	4.6	11.2	14.4	7.0	11.6	17.9	3.5	4.2	6.7
Truck and rail	25.5	S	S	15.0	33.6	45.4	12.6	39.4	39.2	4.3	7.8	7.7
Truck and water	15.9	10.9	34.9	19.4	S	S	15.8	24.2	25.8	10.4	5.9	9.7
Rail and water	S	S	S	S	S	S	S	S	S	20.1	21.7	29.9
Other multiple modes	S	S	S	S	S	S	30.3	S	S	28.4	S	S
Other and unknown modes	**6.1**	**15.8**	**14.2**	**15.6**	**20.6**	**22.9**	**18.5**	**23.5**	**24.8**	**18.7**	**19.8**	**24.2**

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

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

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

Table B–2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the 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	**2.8**	**–**	**5.2**
Truck	2.3	1.4	12.0
Rail	6.2	1.1	3.3
Shallow draft	29.7	.5	10.3
Great Lakes	S	S	22.4
Deep draft	18.7	1.4	13.3
Air	15.5	.1	2.2
Parcel, U.S. Postal Service or courier	7.0	.1	3.5
Pipeline	S	S	S
Other and unknown modes	18.5	1.6	18.7

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

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

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**
Less than 50 miles	3.9	1.2	7.4	1.5	7.4	.5
50 to 99 miles	11.3	.6	6.3	.5	5.6	.2
100 to 249 miles	8.7	.5	8.2	.7	7.8	.6
250 to 499 miles	6.8	.3	10.9	.5	9.7	1.0
500 to 749 miles	3.7	.1	9.1	.1	8.8	.5
750 to 999 miles	8.9	.3	11.2	.2	9.9	.8
1,000 to 1,499 miles	7.2	.3	11.5	.1	10.7	1.0
1,500 to 1,999 miles	6.1	.5	8.5	.1	8.2	1.2
2,000 miles or more	6.2	.7	3.5	.1	3.7	.9
Single modes	**4.7**	**–**	**5.9**	**–**	**3.3**	**–**
Less than 50 miles	4.8	1.4	8.0	1.7	7.7	.6
50 to 99 miles	12.5	.6	6.6	.6	5.5	.2
100 to 249 miles	10.7	.7	7.5	.7	6.6	.6
250 to 499 miles	7.9	.4	11.3	.6	10.1	1.2
500 to 749 miles	5.5	.2	10.4	.1	9.9	.6
750 to 999 miles	12.4	.4	12.6	.2	10.8	1.0
1,000 to 1,499 miles	10.1	.4	13.6	.1	12.4	1.1
1,500 to 1,999 miles	7.5	.4	10.8	.1	10.5	1.4
2,000 miles or more	8.9	.9	5.1	–	5.1	1.0
Truck	**4.8**	**–**	**6.6**	**–**	**2.3**	**–**
Less than 50 miles	3.1	1.2	8.6	1.4	8.2	1.0
50 to 99 miles	13.4	.7	5.4	.5	5.1	.3
100 to 249 miles	11.5	.7	5.0	.5	5.1	.4
250 to 499 miles	9.0	.4	6.3	.3	6.4	.7
500 to 749 miles	5.6	.2	6.5	.1	6.3	.4
750 to 999 miles	7.3	.2	9.5	.2	8.8	.7
1,000 to 1,499 miles	9.0	.4	4.7	–	4.6	.4
1,500 to 1,999 miles	6.6	.3	4.1	–	4.0	.7
2,000 miles or more	10.1	.6	6.2	–	6.3	1.1
For-hire truck	**5.1**	**–**	**8.2**	**–**	**2.7**	**–**
Less than 50 miles	5.9	1.5	13.3	2.4	11.6	.7
50 to 99 miles	11.0	.6	8.5	.9	8.8	.4
100 to 249 miles	13.9	1.0	5.6	1.1	5.3	.5
250 to 499 miles	10.5	.9	7.6	.6	7.9	.7
500 to 749 miles	5.4	.3	4.9	.2	4.9	.4
750 to 999 miles	7.5	.4	3.8	.2	3.8	.4
1,000 to 1,499 miles	10.0	.6	5.7	.1	5.6	.5
1,500 to 1,999 miles	7.9	.6	4.9	.2	4.8	.8
2,000 miles or more	11.9	1.1	7.0	.2	7.2	1.2
Private truck	**5.8**	**–**	**6.8**	**–**	**5.2**	**–**
Less than 50 miles	4.2	1.6	7.6	1.0	6.6	1.9
50 to 99 miles	20.3	1.4	9.4	.6	8.8	.8
100 to 249 miles	14.9	.9	9.3	.4	10.9	1.3
250 to 499 miles	10.1	.3	11.7	.3	11.4	1.2
500 to 749 miles	12.7	.1	19.9	.1	18.7	1.1
750 to 999 miles	19.8	.1	45.5	.3	43.9	2.5
1,000 to 1,499 miles	11.3	.1	13.0	–	12.8	.4
1,500 to 1,999 miles	16.4	.2	12.9	–	13.2	.8
2,000 miles or more	14.4	.3	27.8	–	26.6	2.0
Rail	**5.7**	**–**	**5.9**	**–**	**6.3**	**–**
Less than 50 miles	14.8	.8	28.9	3.6	41.2	.3
50 to 99 miles	23.2	.3	S	S	S	S
100 to 249 miles	13.7	.7	19.3	1.8	17.1	.4
250 to 499 miles	15.4	1.3	21.1	3.1	18.4	1.4
500 to 749 miles	10.3	.8	16.8	1.6	18.0	1.3
750 to 999 miles	9.7	1.2	8.3	1.0	8.3	1.0
1,000 to 1,499 miles	12.4	.9	12.1	.6	11.6	1.0
1,500 to 1,999 miles	8.9	1.8	11.2	1.6	11.1	1.8
2,000 miles or more	9.7	1.6	10.2	1.0	10.2	2.2
Water	**19.5**	**–**	**17.0**	**–**	**20.8**	**–**
Less than 50 miles	32.4	7.3	27.5	8.1	46.7	2.9
50 to 99 miles	40.0	.8	S	S	S	S
100 to 249 miles	39.5	3.0	36.0	5.5	37.2	6.3
250 to 499 miles	46.9	6.2	S	S	48.6	7.7
500 to 749 miles	31.5	.5	45.0	.2	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	4.0	49.9	2.1	49.3	8.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.0	49.0	.3	S	S
Shallow draft	**18.6**	**–**	**17.7**	**–**	**30.7**	**–**
Less than 50 miles	23.7	9.0	27.2	9.1	22.6	10.8
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	49.3	6.4	36.4	7.7	37.9	9.8
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	43.9	1.2	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**29.5**	**–**	**29.9**	**–**	**26.2**	**–**
Less than 50 miles	43.7	9.2	37.8	11.0	S	S
50 to 99 miles	39.4	.8	S	S	S	S
100 to 249 miles	34.6	3.9	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	47.4	.4	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	46.9	7.0	49.9	8.2	49.3	9.1
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	25.5	1.6	49.0	.6	S	S
Air (includes truck and air)	**18.3**	**–**	**16.1**	**–**	**15.5**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	28.2	.5	24.1	1.9	25.5	.2
100 to 249 miles	18.0	.9	S	S	41.3	.5
250 to 499 miles	14.3	1.7	22.4	1.5	23.1	.5
500 to 749 miles	19.4	.9	22.4	.6	23.4	.4
750 to 999 miles	34.6	1.4	31.0	1.9	30.8	1.4
1,000 to 1,499 miles	30.8	2.2	23.8	2.4	24.6	2.9
1,500 to 1,999 miles	23.8	3.2	13.1	1.3	13.0	1.6
2,000 miles or more	17.1	5.0	24.5	3.8	23.5	4.1
Pipeline	**10.6**	**–**	**10.1**	**–**	**S**	**S**
Less than 50 miles	15.3	7.2	14.0	7.3	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	29.1	5.7	34.6	5.7	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**3.3**	**–**	**10.1**	**–**	**7.3**	**–**
Less than 50 miles	5.9	.9	38.8	3.7	33.9	.2
50 to 99 miles	8.6	.4	15.0	.9	18.5	.1
100 to 249 miles	7.0	.6	27.1	3.1	36.7	1.1
250 to 499 miles	5.2	.7	15.2	.9	15.7	.3
500 to 749 miles	6.5	.3	17.1	.5	19.6	.3
750 to 999 miles	6.9	.3	9.6	.8	9.4	.5
1,000 to 1,499 miles	5.6	.3	11.6	.8	11.2	.7
1,500 to 1,999 miles	9.8	1.3	13.1	2.1	14.4	2.5
2,000 miles or more	4.4	.7	7.7	1.7	8.0	2.2
Parcel, U.S. Postal Service or courier	**3.6**	**–**	**4.6**	**–**	**7.0**	**–**
Less than 50 miles	6.0	.8	7.1	1.3	7.6	–
50 to 99 miles	9.2	.5	10.9	.6	10.9	.1
100 to 249 miles	7.7	.6	8.9	.9	8.6	.2
250 to 499 miles	5.4	.7	7.3	.5	7.2	.2
500 to 749 miles	6.8	.3	6.8	.3	6.9	.2
750 to 999 miles	7.3	.3	13.3	.5	12.6	.4
1,000 to 1,499 miles	6.1	.4	8.8	.6	8.9	.7
1,500 to 1,999 miles	7.2	.8	16.4	1.8	16.0	2.4
2,000 miles or more	4.6	.6	8.3	1.1	7.9	1.9
Truck and rail	**25.5**	**–**	**15.0**	**–**	**12.6**	**–**
Less than 50 miles	33.7	1.2	45.6	4.1	39.9	.2
50 to 99 miles	38.1	.5	45.3	.6	47.6	–
100 to 249 miles	32.8	.9	S	S	48.7	.6
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	22.7	1.1	34.2	1.0	36.4	.5
750 to 999 miles	14.8	1.6	11.4	1.4	11.4	1.0
1,000 to 1,499 miles	30.0	1.6	25.7	1.3	23.9	1.2
1,500 to 1,999 miles	44.5	6.3	17.6	3.2	17.2	3.1
2,000 miles or more	13.6	3.9	13.3	3.1	13.4	3.6
Truck and water	**15.9**	**–**	**19.4**	**–**	**15.8**	**–**
Less than 50 miles	S	S	35.8	1.5	36.6	–
50 to 99 miles	22.6	1.6	27.2	2.2	28.3	.5
100 to 249 miles	18.7	3.1	48.1	5.5	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	40.1	1.1	48.9	.7	S	S
750 to 999 miles	23.4	.7	33.2	.9	33.0	.9
1,000 to 1,499 miles	17.0	1.2	21.6	1.7	21.5	1.5
1,500 to 1,999 miles	38.3	4.0	23.7	1.2	48.5	3.5
2,000 miles or more	14.1	4.8	14.4	5.2	14.2	4.5

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	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
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 multiple modes	**S**	**S**	**S**	**S**	**30.3**	**–**
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	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	39.3	12.7	42.8	13.4	43.4	10.9
Other and unknown modes	**6.1**	**–**	**15.6**	**–**	**18.5**	**–**
Less than 50 miles	7.0	2.9	19.9	5.2	20.1	1.8
50 to 99 miles	14.1	.6	S	S	S	S
100 to 249 miles	43.9	2.2	31.6	1.3	33.1	.8
250 to 499 miles	22.5	1.4	S	S	S	S
500 to 749 miles	21.9	.6	35.9	1.0	31.3	.9
750 to 999 miles	23.5	.9	S	S	S	S
1,000 to 1,499 miles	13.9	1.0	42.5	1.4	44.8	3.5
1,500 to 1,999 miles	20.5	1.6	26.2	.9	25.9	2.4
2,000 miles or more	20.6	1.0	17.5	1.2	17.5	3.8

– 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–4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**	**5.3**
Less than 50 lb	3.7	.6	3.1	–	5.6	–	5.4
50 to 99 lb	6.2	.4	4.7	–	5.9	–	6.4
100 to 499 lb	3.1	.5	3.6	–	3.6	–	4.3
500 to 749 lb	5.7	.2	4.3	–	7.6	–	6.5
750 to 999 lb	5.9	.1	3.8	–	6.6	–	7.1
1,000 to 9,999 lb	4.7	.8	3.4	.4	11.4	1.1	8.5
10,000 to 49,999 lb	9.6	1.4	5.5	1.2	2.3	1.2	5.6
50,000 to 99,999 lb	8.1	.3	7.9	1.3	3.9	.5	7.6
100,000 lb or more	12.8	1.0	9.6	1.7	7.2	1.8	7.6
Single modes	**4.7**	**–**	**5.9**	**–**	**3.3**	**–**	**9.8**
Less than 50 lb	7.3	.4	6.1	–	16.5	–	12.9
50 to 99 lb	9.8	.4	6.2	–	12.4	–	12.5
100 to 499 lb	4.0	.6	3.9	–	4.7	–	6.4
500 to 749 lb	6.3	.3	4.3	–	6.6	–	6.5
750 to 999 lb	6.3	.1	4.2	–	6.2	–	7.8
1,000 to 9,999 lb	5.1	.9	3.5	.4	8.4	.8	7.5
10,000 to 49,999 lb	10.2	1.5	5.9	1.3	3.0	1.5	5.7
50,000 to 99,999 lb	8.4	.4	8.1	1.2	4.2	.6	6.6
100,000 lb or more	14.5	1.2	10.6	1.6	8.5	2.0	8.2
Truck	**4.8**	**–**	**6.6**	**–**	**2.3**	**–**	**12.3**
Less than 50 lb	4.0	.3	6.4	–	22.4	–	19.2
50 to 99 lb	6.3	.2	6.4	–	10.7	–	11.1
100 to 499 lb	3.0	.6	4.0	–	3.8	–	5.8
500 to 749 lb	5.6	.3	4.3	–	7.0	–	7.1
750 to 999 lb	6.4	.1	4.2	–	6.3	–	8.0
1,000 to 9,999 lb	5.4	1.1	3.5	.5	8.6	1.1	7.9
10,000 to 49,999 lb	10.4	1.5	5.9	1.4	2.9	1.1	5.8
50,000 to 99,999 lb	5.7	.3	8.2	1.3	4.3	.7	6.7
100,000 lb or more	15.4	.4	23.5	1.6	13.6	1.1	7.8
For-hire truck	**5.1**	**–**	**8.2**	**–**	**2.7**	**–**	**6.8**
Less than 50 lb	8.0	.3	15.2	–	30.8	–	8.2
50 to 99 lb	13.8	.4	7.0	–	14.2	–	8.2
100 to 499 lb	6.0	.8	5.7	–	5.0	–	4.2
500 to 749 lb	8.7	.4	7.2	–	8.5	–	5.5
750 to 999 lb	9.8	.3	11.6	–	7.7	–	8.4
1,000 to 9,999 lb	8.6	1.4	4.6	.5	11.8	1.5	6.6
10,000 to 49,999 lb	8.1	1.3	7.2	1.3	3.4	1.3	5.4
50,000 to 99,999 lb	4.9	.4	12.5	1.7	5.3	.7	8.9
100,000 lb or more	20.8	.7	16.6	1.7	16.5	1.2	14.3
Private truck	**5.8**	**–**	**6.8**	**–**	**5.2**	**–**	**8.4**
Less than 50 lb	4.1	.4	7.2	–	17.1	–	16.4
50 to 99 lb	3.6	.2	7.2	–	16.7	–	17.1
100 to 499 lb	3.4	.8	4.7	.1	6.7	.1	8.7
500 to 749 lb	4.8	.3	5.5	–	7.7	–	7.5
750 to 999 lb	7.8	.2	5.5	–	7.1	–	7.0
1,000 to 9,999 lb	7.6	1.7	4.8	.7	6.7	.8	3.9
10,000 to 49,999 lb	15.4	2.5	7.5	1.6	7.2	1.6	9.8
50,000 to 99,999 lb	9.5	.5	12.5	2.0	7.6	1.9	8.6
100,000 lb or more	12.8	.2	10.1	.9	15.0	1.1	14.4
Rail	**5.7**	**–**	**5.9**	**–**	**6.3**	**–**	**4.5**
Less than 50 lb	S	S	S	S	33.8	–	39.2
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	33.7	–	45.3	–	16.9
500 to 749 lb	S	S	S	S	S	S	20.0
750 to 999 lb	S	S	38.4	–	39.0	–	20.6
1,000 to 9,999 lb	39.2	.6	24.5	–	25.7	–	4.4
10,000 to 49,999 lb	11.0	2.2	10.4	.4	10.3	.9	3.6
50,000 to 99,999 lb	13.7	.7	30.7	1.8	12.3	.4	36.1
100,000 lb or more	8.0	2.3	6.6	1.8	6.8	1.1	3.9
Water	**19.5**	**–**	**17.0**	**–**	**20.8**	**–**	**20.9**
Less than 50 lb	S	S	39.1	–	S	S	25.5
50 to 99 lb	34.9	.1	29.6	–	25.9	–	35.3
100 to 499 lb	S	S	37.3	–	49.6	–	13.9
500 to 749 lb	S	S	34.3	–	48.9	–	28.8
750 to 999 lb	33.7	–	34.9	–	45.3	–	17.4
1,000 to 9,999 lb	16.4	1.2	S	S	27.6	.2	S
10,000 to 49,999 lb	23.0	2.6	41.8	2.8	S	S	39.7
50,000 to 99,999 lb	35.7	.3	43.6	.1	43.8	1.0	22.8
100,000 lb or more	21.7	3.4	17.6	3.5	23.8	5.1	22.0
Shallow draft	**18.6**	**–**	**17.7**	**–**	**30.7**	**–**	**12.1**
Less than 50 lb	S	S	46.1	–	S	S	28.0
50 to 99 lb	S	S	S	S	S	S	20.2
100 to 499 lb	S	S	S	S	S	S	19.8
500 to 749 lb	S	S	S	S	S	S	20.2
750 to 999 lb	S	S	S	S	S	S	24.0
1,000 to 9,999 lb	S	S	S	S	S	S	21.4
10,000 to 49,999 lb	S	S	36.6	.3	S	S	21.0
50,000 to 99,999 lb	S	S	43.2	–	46.8	–	24.8
100,000 lb or more	20.3	4.6	17.7	.3	30.8	.4	14.3

See footnote at end of table.

Table B–4. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the 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	**29.5**	**–**	**29.9**	**–**	**26.2**	**–**	**19.8**
Less than 50 lb	S	S	39.8	–	S	S	24.2
50 to 99 lb	44.0	.2	33.1	–	29.4	–	46.5
100 to 499 lb	S	S	36.0	.2	49.8	.4	14.2
500 to 749 lb	S	S	39.6	.2	S	S	19.7
750 to 999 lb	38.8	.4	35.3	.2	45.5	.5	17.3
1,000 to 9,999 lb	17.5	4.5	S	S	28.7	3.9	S
10,000 to 49,999 lb	27.2	4.3	43.1	5.2	S	S	39.4
50,000 to 99,999 lb	39.9	.5	45.6	1.3	44.1	3.0	22.8
100,000 lb or more	34.2	7.4	31.2	7.8	30.8	10.0	28.3
Air (includes truck and air)	**18.3**	**–**	**16.1**	**–**	**15.5**	**–**	**2.1**
Less than 50 lb	18.5	3.5	10.8	.7	12.1	.9	2.6
50 to 99 lb	33.9	2.5	19.4	.8	22.1	1.1	4.0
100 to 499 lb	15.8	2.9	16.6	2.8	17.4	3.0	3.8
500 to 749 lb	16.0	1.6	21.7	1.2	17.8	1.1	7.4
750 to 999 lb	23.1	.6	19.2	.6	15.4	.7	10.3
1,000 to 9,999 lb	16.9	2.7	25.7	2.7	31.3	3.9	4.5
10,000 to 49,999 lb	S	S	20.5	2.3	23.0	2.6	9.2
50,000 to 99,999 lb	42.7	1.5	S	S	37.2	1.4	S
100,000 lb or more	42.6	6.6	43.9	4.1	S	S	16.0
Pipeline	**10.6**	**–**	**10.1**	**–**	**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
1,000 to 9,999 lb	S	S	48.6	–	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S
100,000 lb or more	10.7	.4	10.1	.3	S	S	S
Multiple modes	**3.3**	**–**	**10.1**	**–**	**7.3**	**–**	**3.5**
Less than 50 lb	4.2	1.2	4.9	1.0	4.2	.9	3.8
50 to 99 lb	5.0	.9	4.1	.5	5.2	.3	4.6
100 to 499 lb	6.1	.7	5.6	.7	7.9	.6	3.4
500 to 749 lb	9.4	.2	12.7	.4	23.7	.4	8.9
750 to 999 lb	10.5	.2	20.4	.2	24.5	.3	6.6
1,000 to 9,999 lb	45.4	1.1	20.1	.7	19.2	.7	6.8
10,000 to 49,999 lb	17.7	.6	7.4	2.7	10.7	2.9	5.4
50,000 to 99,999 lb	20.9	–	44.9	2.2	25.6	.8	33.8
100,000 lb or more	33.4	.3	30.4	4.3	17.2	2.0	13.9
Parcel, U.S. Postal Service or courier	**3.6**	**–**	**4.6**	**–**	**7.0**	**–**	**3.5**
Less than 50 lb	4.2	1.2	5.0	1.8	4.2	2.2	3.8
50 to 99 lb	5.1	.9	4.2	.6	5.3	.7	4.5
100 to 499 lb	6.2	.7	5.9	1.2	8.2	1.2	3.5
500 to 749 lb	10.0	.2	13.4	.8	25.0	1.2	9.7
750 to 999 lb	10.6	.2	23.5	.8	28.0	1.1	7.9
1,000 to 9,999 lb	S	S	S	S	S	S	20.3
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**25.5**	**–**	**15.0**	**–**	**12.6**	**–**	**4.3**
Less than 50 lb	S	S	S	S	S	S	19.8
50 to 99 lb	S	S	S	S	S	S	19.8
100 to 499 lb	35.6	.1	35.8	–	39.5	–	12.4
500 to 749 lb	33.1	.1	35.1	–	44.3	–	18.0
750 to 999 lb	41.3	–	44.7	–	48.0	–	16.1
1,000 to 9,999 lb	S	S	17.1	.2	19.3	.3	5.5
10,000 to 49,999 lb	23.1	5.3	12.2	4.2	14.4	3.4	4.4
50,000 to 99,999 lb	22.1	.9	30.3	1.7	27.0	.6	18.5
100,000 lb or more	17.8	1.8	29.3	4.2	19.0	3.3	13.4
Truck and water	**15.9**	**–**	**19.4**	**–**	**15.8**	**–**	**10.4**
Less than 50 lb	34.6	.8	31.8	–	S	S	14.8
50 to 99 lb	39.8	.9	42.8	–	S	S	15.9
100 to 499 lb	27.2	1.3	24.2	.4	16.5	.2	25.4
500 to 749 lb	34.6	1.2	22.0	.2	26.2	.2	14.3
750 to 999 lb	37.8	.7	21.9	.3	30.5	.4	13.4
1,000 to 9,999 lb	32.8	4.3	12.6	1.6	14.8	1.8	9.0
10,000 to 49,999 lb	13.4	4.3	11.7	5.4	13.9	4.1	8.9
50,000 to 99,999 lb	43.4	1.4	S	S	41.7	2.2	48.2
100,000 lb or more	33.4	.9	40.5	4.1	47.4	4.2	16.3

See footnote at end of table.

Table B–4. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the 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**	**20.1**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	47.5	4.0	S	S	20.2
Other multiple modes	**S**	**S**	**S**	**S**	**30.3**	**–**	**28.4**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.0
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.3	15.2	34.6	15.8	39.8	9.7	20.6
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	47.1	8.6	46.5
Other and unknown modes	**6.1**	**–**	**15.6**	**–**	**18.5**	**–**	**18.7**
Less than 50 lb	8.8	1.1	6.1	–	26.3	–	27.7
50 to 99 lb	23.9	.8	12.1	–	28.6	–	37.2
100 to 499 lb	19.0	1.2	14.8	.2	21.3	–	33.9
500 to 749 lb	38.6	.8	28.0	.1	S	S	20.0
750 to 999 lb	15.2	.1	24.8	–	22.4	–	26.0
1,000 to 9,999 lb	14.0	2.8	25.1	2.4	39.4	4.7	10.1
10,000 to 49,999 lb	11.1	2.6	17.9	3.3	23.6	3.7	9.4
50,000 to 99,999 lb	30.8	.9	42.7	1.7	31.4	2.8	30.8
100,000 lb or more	16.5	2.8	20.8	5.8	24.4	5.6	18.7

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**	**5.3**
01	Live animals and live fish	S	S	S	S	S	S	18.7
02	Cereal grains	15.2	.1	16.9	.8	23.2	.5	29.0
03	Other agricultural products	9.1	.2	11.1	.3	9.6	.8	35.1
04	Animal feed and products of animal origin, n.e.c.	15.3	–	15.8	.3	21.2	.3	18.8
05	Meat, fish, seafood, and their preparations	9.0	.3	16.6	.1	16.5	.2	31.1
06	Milled grain products and preparations, and bakery products	11.9	.2	19.1	.2	19.3	.5	S
07	Other prepared foodstuffs and fats and oils	4.4	.2	10.9	.5	7.3	.8	9.7
08	Alcoholic beverages	10.5	.2	11.7	.1	26.6	.8	23.5
09	Tobacco products	18.3	–	31.8	–	35.4	–	22.2
10	Monumental or building stone	S	S	42.4	–	S	S	S
11	Natural sands	18.1	–	26.3	.6	23.6	.2	26.9
12	Gravel and crushed stone	10.7	–	14.1	1.7	14.8	.5	22.2
13	Nonmetallic minerals n.e.c.	S	S	30.5	.2	44.4	.4	34.9
14	Metallic ores and concentrates	38.1	–	S	S	46.6	.1	44.0
15	Coal	S	S	S	S	S	S	23.5
17	Gasoline and aviation turbine fuel	10.1	.4	9.9	1.1	22.9	1.2	18.1
18	Fuel oils	8.7	.1	12.1	.7	28.7	.8	21.5
19	Coal and petroleum products, n.e.c.	13.4	–	19.0	.7	19.1	.3	36.8
20	Basic chemicals	12.4	.1	25.8	.3	9.7	.2	17.2
21	Pharmaceutical products	11.7	.3	20.2	–	25.4	–	10.7
22	Fertilizers	10.1	–	29.7	.4	47.9	.6	11.3
23	Chemical products and preparations, n.e.c.	6.5	.1	11.4	.1	15.8	.3	13.2
24	Plastics and rubber	5.0	.1	8.6	–	10.5	.2	11.2
25	Logs and other wood in the rough	9.7	–	23.7	1.0	18.2	.5	16.1
26	Wood products	6.0	.2	13.2	.9	8.3	1.1	8.8
27	Pulp, newsprint, paper, and paperboard	7.0	–	7.7	.1	9.7	.4	31.9
28	Paper or paperboard articles	5.9	–	26.6	.3	13.1	.3	14.1
29	Printed products	5.9	.2	10.8	.1	20.9	.2	12.3
30	Textiles, leather, and articles of textiles or leather	11.6	.7	12.2	–	10.3	.2	4.5
31	Nonmetallic mineral products	5.3	–	11.1	.7	8.4	.4	17.6
32	Base metal in primary or semifinished forms and in finished basic shapes	9.0	.3	13.8	.3	14.8	.7	15.0
33	Articles of base metal	7.6	.2	9.5	–	13.5	.4	12.1
34	Machinery	8.2	.3	18.4	–	30.4	.3	11.1
35	Electronic and other electrical equipment and components and office equipment	8.7	1.3	16.2	–	28.6	.8	6.4
36	Motorized and other vehicles (including parts)	11.9	.5	14.9	–	16.2	.2	11.2
37	Transportation equipment, n.e.c.	24.9	1.2	21.0	–	13.8	–	9.1
38	Precision instruments and apparatus	10.8	.4	16.9	–	17.6	–	4.7
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	.1	14.5	–	16.2	.1	10.4
40	Miscellaneous manufactured products	29.1	1.6	27.2	.2	42.8	1.1	5.7
41	Waste and scrap	14.4	–	16.8	.4	21.3	.6	27.2
43	Mixed freight	30.2	1.1	37.0	.6	38.5	.4	19.4
--	Commodity unknown	21.6	.1	42.1	.2	29.2	.1	19.9

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**	**5.3**
010	Live animals and live fish	S	S	S	S	S	S	18.7
021	Wheat	20.6	–	20.8	.5	29.6	.3	13.7
022	Corn, except sweet	34.4	.1	34.1	.7	S	S	19.9
029	Other cereal grains	36.1	–	S	S	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	36.5	–	39.8	.1	45.8	–	42.3
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	15.3	.1	19.7	.1	33.0	.5	48.0
033	Fresh, chilled, or dried edible fruit and nuts	13.0	.1	11.2	–	14.0	.5	30.8
034	Soya beans	S	S	S	S	S	S	S
035	Oil seeds and nuts, except olives and soya beans	S	S	45.7	–	50.0	–	20.2
036	Bulbs, live plants, and seeds for sowing, n.e.c.	21.2	–	19.3	–	19.9	.1	17.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	23.5	.1	21.2	–	27.3	.5	44.3
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.	17.3	–	23.8	.2	23.7	.2	26.3
042	Animal feed preparations	20.0	–	20.2	.2	27.9	.2	18.7
051	Meat including poultry, except preparations	10.3	.2	20.1	.1	22.4	.1	46.3
052	Fish, except live, and seafood, except preparations	19.3	.2	18.6	–	27.8	.2	25.3
053	Preparations, extracts, and juices of meat, fish, or seafood	28.8	–	32.6	–	37.7	–	S
061	Wheat flour, groats, and meal	46.2	–	S	S	S	S	16.1
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	24.8	–	31.9	–	31.5	.3	31.1
063	Food preparations of cereals, flour, starch, or milk	18.2	–	22.4	–	26.6	.1	35.9
064	Bakery products	16.7	.2	26.0	.1	19.3	.1	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	9.6	.1	22.1	.3	17.6	.3	32.4
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.7	.1	10.4	.1	11.5	.6	14.3
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	20.2	–	19.7	–	24.4	–	22.5
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	28.1	–	33.3	–	42.7	.1	24.7
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	22.2	–	22.6	–	34.8	.2	26.8
076	Confectionery, cocoa, and cocoa preparations	13.7	–	16.8	–	25.9	–	44.8
077	Edible preparations, n.e.c. and vinegar	18.0	–	11.5	–	17.1	.2	13.5
078	Nonalcoholic beverages, n.e.c. and ice	10.2	–	28.0	.4	34.8	.2	34.8
081	Malt Beer	11.6	–	14.2	.1	28.1	.2	9.1
082	Wine and other fermented beverages	18.4	.2	22.1	–	36.1	.7	16.5
083	Spirituous beverages and ethyl alcohol	18.4	–	31.8	–	S	S	30.9
090	Tobacco products	18.3	–	31.8	–	35.4	–	22.2
100	Monumental or building stone, except dolomite	S	S	42.4	–	S	S	S
110	Natural sands, except metal-bearing	18.1	–	26.3	.6	23.6	.2	26.9
120	Gravel and crushed stone, except dolomite and slate	10.7	–	14.1	1.7	14.8	.5	22.2
131	Salt	S	S	S	S	S	S	33.4
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	39.9
133	Dolomite	46.1	–	42.9	–	S	S	28.7
139	Other nonmetallic minerals	14.1	–	25.8	–	S	S	28.0
141	Iron ores and concentrates	S	S	S	S	S	S	21.6
149	Other metallic ores and concentrates	38.1	–	S	S	47.2	.1	38.3
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	21.2
159	Other coal	S	S	S	S	S	S	22.4
171	Gasoline	10.6	.4	10.8	1.1	24.6	1.2	19.5
172	Aviation turbine fuel (types A and B)	14.1	–	14.6	.2	30.4	.1	45.8
180	Fuel oils	8.7	.1	12.1	.7	28.7	.8	21.5
191	Lubricating oils and greases	31.6	–	S	S	S	S	S
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	42.1	–	48.2	.3	37.7	.1	29.1
193	Gaseous hydrocarbons	17.2	–	14.0	–	27.2	.1	S
199	Other products of petroleum refining, and coal products	21.4	–	26.2	.8	26.8	.2	32.0
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	24.3	–	18.5	–	25.5	–	26.0
202	Inorganic chemicals, n.e.c.	15.8	–	33.3	.3	12.5	.2	23.9
203	Cyclic hydrocarbons	32.6	–	29.4	–	S	S	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	20.3	–	16.4	–	37.0	–	18.7
205	Organic chemicals, n.e.c.	22.7	–	16.6	–	23.0	.1	14.2
210	Pharmaceutical products	11.7	.3	20.2	–	25.4	–	10.7
220	Fertilizers and fertilizer materials	10.1	–	29.7	.4	47.9	.6	11.3
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	18.5	–	17.3	–	19.1	.1	29.4
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	19.8	.1	16.3	–	17.6	–	32.1
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	26.3	–	36.8	–	30.9	.1	25.7
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	27.3	–	31.9	–	38.2	–	17.9
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	18.7	–	15.2	–	39.7	–	20.0
239	Other chemical products and preparations	35.0	.1	24.8	–	37.6	.3	21.6
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	18.2	–	22.8	–	30.6	–	29.9
242	Manmade fibers and plastics basic shapes and articles	6.3	.1	8.2	–	12.1	.2	13.1

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	18.1	–	24.1	–	17.8	–	13.5
250	Logs and other wood in the rough	9.7	–	23.7	1.0	18.2	.5	16.1
261	Wood chips or particles	44.5	–	39.6	.6	49.8	.4	31.1
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	7.6	.1	9.5	.3	8.0	.6	9.8
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	9.0	–	12.2	.2	11.7	.5	13.1
264	Builders' joinery and carpentry of wood, except shingles and shakes	10.1	–	14.5	–	19.2	–	20.0
269	Other wood products	16.6	–	31.2	.1	28.0	.2	13.1
271	Pulp of fibrous cellulosic materials	17.9	–	15.5	–	22.7	–	28.2
272	Newsprint in large rolls or sheets	27.0	–	29.4	–	29.4	.3	23.6
273	Uncoated paper and paperboard in large rolls or sheets	10.7	–	11.1	–	14.4	.3	17.9
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	16.1	–	20.0	–	21.8	–	27.0
280	Paper or paperboard articles	5.9	–	26.6	.3	13.1	.3	14.1
291	Printed books, brochures, leaflets, and similar printed products	11.4	–	13.3	–	16.1	–	8.2
292	Newspapers, journals, and periodicals	9.3	–	13.8	–	36.3	–	17.2
293	Advertising material, commercial or trade catalogues, and similar printed products	11.8	–	19.4	–	40.7	.2	11.0
299	Other printed products	10.7	–	11.1	–	14.4	–	17.7
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	10.8	–	18.8	–	18.5	–	14.0
302	Textile clothing and accessories, and headgear, except safety	18.9	.7	14.6	–	18.9	.2	4.2
303	Textiles and textile articles, n.e.c.	9.2	–	22.9	–	16.9	–	8.6
304	Footwear	40.7	.2	43.3	–	S	S	7.5
305	Leather and articles, luggage of related materials, and dressed furskins and articles	21.4	–	35.8	–	41.1	–	7.7
311	Hydraulic cements	13.2	–	13.4	.2	18.3	.2	5.1
312	Ceramic products	20.5	–	27.3	–	39.0	.1	14.0
313	Glass and glass products	13.1	–	20.0	.1	16.1	–	17.7
319	Other nonmetallic mineral products	10.2	–	14.7	.7	12.2	.3	13.0
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	22.5	–	25.5	–	29.0	–	34.8
322	Flat-rolled products of iron or steel	18.4	.1	24.5	.2	18.1	.2	20.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	29.1	.2	17.7	.1	35.2	.6	20.7
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	8.4	.1	14.0	–	12.1	.2	13.4
331	Pipes, tubes, and fittings	10.7	–	14.4	–	23.6	.2	12.6
332	Structures and parts, except prefabricated buildings	19.0	–	20.2	–	36.1	.2	16.8
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.7	.1	12.3	–	20.8	.1	13.5
339	Other articles of metal	14.6	–	16.7	–	23.6	.1	15.5
341	Internal-combustion piston engines	15.1	–	28.1	–	25.6	–	13.8
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	S	S	14.7	–	31.0	–	19.4
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	13.8	–	13.1	–	21.8	–	13.9
344	Air-conditioning, refrigerating, or freezing equipment	18.6	–	17.3	–	24.6	–	S
345	Materials-handling, excavating, boring, and related machinery and equipment	17.4	–	16.7	–	25.5	–	23.4
349	Other machinery	8.8	.2	32.6	–	45.5	.3	13.7
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	23.9	.1	22.6	–	28.7	–	24.7
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	31.3	–	29.4	–	31.7	–	17.2
353	Line telephone or telegraph apparatus	48.6	.9	46.5	–	48.1	.1	9.6
354	Electronic entertainment products, except parts	35.7	.6	50.0	–	S	S	5.2
355	Computer and office equipment	11.7	.7	14.2	–	12.8	–	6.5
356	Prepared unrecorded or prerecorded media	14.6	.1	24.3	–	34.6	–	7.2
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	22.6	–	31.0	–	37.3	–	9.6
358	Electronic components and parts	8.5	.4	15.2	–	25.4	–	6.7
359	Other electronic and electrical equipment	9.3	.4	22.3	–	21.4	–	16.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	41.2	.2	38.9	–	36.9	–	20.3
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	33.8	.1	43.7	–	30.6	–	33.5
363	Other vehicles	20.4	.1	19.8	–	35.6	–	10.1
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	13.7	.3	19.2	–	18.9	.1	11.6
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	44.5	–	45.8	–	S	S	18.2
372	Aircraft and spacecraft	25.8	1.2	16.4	–	19.2	–	8.4
373	Ships, boats, and floating structures	17.3	–	20.7	–	21.4	–	27.5
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	22.9	–	23.1	–	30.6	–	7.6
382	Photographic and photocopying machines	24.7	.1	34.9	–	34.8	–	10.9
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	23.7	–	32.7	–	36.3	–	13.6
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	21.9	.3	30.2	–	33.7	–	6.2

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	14.4	.2	19.6	–	28.1	–	6.7
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13.4	.1	14.5	–	16.2	.1	10.4
401	Arms and ammunition	33.4	–	40.6	–	S	S	16.7
402	Toys, games, and sporting equipment	S	S	S	S	34.3	.2	4.4
409	Miscellaneous manufactured products	11.1	.5	25.8	.2	S	S	7.2
411	Metallic waste and scrap	17.8	–	21.4	.2	28.6	.2	29.9
412	Nonmetallic waste and scrap, except from food processing	26.7	–	22.0	.4	27.7	.5	S
439	Mixed freight	30.2	1.1	37.0	.6	38.5	.4	19.4
—	Commodity unknown	21.6	.1	42.1	.2	29.2	.1	19.9

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	**3.7**	**–**	**5.5**	**–**	**2.8**	**–**	**5.3**
Single modes	**4.7**	**.9**	**5.9**	**1.0**	**3.3**	**1.7**	**9.8**
Truck	4.8	1.3	6.6	1.6	2.3	1.4	12.3
For-hire truck	5.1	1.0	8.2	1.9	2.7	1.3	6.8
Private truck	5.8	1.1	6.8	1.4	5.2	.7	8.4
Rail	5.7	.1	5.9	.3	6.3	1.0	4.5
Water	19.5	.2	17.0	.8	20.8	1.4	20.9
Shallow draft	18.6	–	17.7	.4	30.7	.5	12.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	29.5	.2	29.9	.8	26.2	1.4	19.8
Air (includes truck and air)	18.3	1.2	16.1	–	15.5	.1	2.1
Pipeline	10.6	.2	10.1	.7	S	S	S
Multiple modes	**3.3**	**.7**	**10.1**	**.1**	**7.3**	**.5**	**3.5**
Parcel, U.S. Postal Service or courier	3.6	.7	4.6	–	7.0	.1	3.5
Truck and rail	25.5	.2	15.0	–	12.6	.4	4.3
Truck and water	15.9	–	19.4	–	15.8	.4	10.4
Rail and water	S	S	S	S	S	S	20.1
Other multiple modes	S	S	S	S	30.3	–	28.4
Other and unknown modes	**6.1**	**.4**	**15.6**	**1.0**	**18.5**	**1.6**	**18.7**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**18.7**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.0**
Truck	S	S	S	S	S	S	21.4
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	21.4
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	18.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 02, CEREAL GRAINS							
Total	**15.2**	**–**	**16.9**	**–**	**23.2**	**–**	**29.0**
Single modes	**17.5**	**8.2**	**18.8**	**8.6**	**27.0**	**7.4**	**26.1**
Truck	18.9	5.2	20.5	4.9	26.8	6.6	20.0
For-hire truck	24.0	3.7	26.7	3.7	31.6	6.5	23.6
Private truck	32.4	3.2	19.6	2.7	21.3	.7	16.5
Rail	29.8	2.4	30.4	2.4	49.0	6.3	26.4
Water	22.3	7.2	22.4	7.6	41.1	9.0	14.5
Shallow draft	28.2	6.7	28.7	7.2	41.3	9.3	13.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	44.3	4.9	46.7	5.1	41.1	1.0	29.8
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**34.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	46.8	.2	S	S	S	S	21.1
Truck and water	S	S	S	S	S	S	39.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**30.5**	**8.4**	**31.4**	**8.9**	**46.7**	**6.5**	**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 03, OTHER AGRICULTURAL PRODUCTS							
Total	**9.1**	**–**	**11.1**	**–**	**9.6**	**–**	**35.1**
Single modes	**9.9**	**1.3**	**12.5**	**2.8**	**9.5**	**3.4**	**41.4**
Truck	9.8	1.8	12.3	3.2	11.0	3.3	45.4
For-hire truck	10.9	4.3	12.6	4.2	15.4	4.3	9.0
Private truck	16.0	4.2	17.5	4.0	29.8	5.4	S
Rail	21.4	.5	22.0	.6	22.1	2.2	5.9
Water	S	S	S	S	S	S	34.1
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	33.7
Air (includes truck and air)	30.4	.4	49.4	.2	S	S	12.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.6**	**.6**	**19.9**	**.4**	**21.7**	**1.9**	**6.1**
Parcel, U.S. Postal Service or courier	32.0	.4	46.1	–	S	S	7.8
Truck and rail	28.1	.6	24.5	.4	26.7	1.8	9.2
Truck and water	33.6	.2	38.9	.1	37.9	.5	18.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.1**	**1.3**	**25.8**	**2.9**	**35.6**	**3.6**	**15.7**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**15.3**	**–**	**15.8**	**–**	**21.2**	**–**	**18.8**
Single modes	**14.8**	**1.6**	**15.8**	**1.5**	**23.9**	**4.6**	**21.5**
Truck	15.0	2.8	16.1	2.7	24.4	5.0	21.6
For-hire truck	19.6	4.1	23.4	4.6	32.3	5.3	16.0
Private truck	17.1	5.1	18.9	5.4	19.9	4.8	11.0
Rail	S	S	S	S	48.9	2.1	24.9
Water	S	S	S	S	S	S	39.0
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	39.0
Air (includes truck and air)	S	S	47.5	–	S	S	21.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**40.4**	**.4**	**40.9**	**3.7**	**16.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.2
Truck and rail	S	S	S	S	S	S	22.6
Truck and water	S	S	S	S	S	S	20.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**38.6**	**1.2**	**36.0**	**1.5**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**9.0**	**–**	**16.6**	**–**	**16.5**	**–**	**31.1**
Single modes	**9.5**	**1.2**	**16.9**	**1.0**	**16.7**	**3.1**	**27.7**
Truck	9.9	1.8	15.9	1.5	16.6	5.5	18.7
For-hire truck	16.1	3.6	16.3	3.8	21.4	5.3	13.4
Private truck	11.6	4.2	22.0	3.9	12.2	4.6	14.5
Rail	S	S	S	S	S	S	21.8
Water	31.1	.8	45.3	.8	S	S	15.8
Shallow draft	S	S	46.7	.4	S	S	23.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	37.4	.8	S	S	S	S	13.5
Air (includes truck and air)	22.9	.3	23.2	.1	20.6	.6	12.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.9**	**.5**	**33.2**	**.4**	**48.1**	**1.9**	**16.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.3
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	29.0	.3	39.1	.3	S	S	21.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**27.5**	**1.2**	**29.5**	**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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**11.9**	**–**	**19.1**	**–**	**19.3**	**–**	**S**
Single modes	**12.1**	**.6**	**19.4**	**.9**	**20.0**	**2.8**	**S**
Truck	12.1	.9	19.1	1.4	15.3	4.3	S
For-hire truck	19.9	4.2	31.8	4.7	17.1	4.4	41.2
Private truck	15.8	4.4	20.2	5.0	25.2	3.8	38.5
Rail	34.0	.7	41.2	1.3	39.1	4.7	13.1
Water	43.5	.2	S	S	46.7	.5	20.0
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	43.5	.2	S	S	46.7	.5	20.0
Air (includes truck and air)	42.1	–	49.1	–	S	S	27.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.6**	**.4**	**20.9**	**.6**	**25.8**	**2.8**	**11.5**
Parcel, U.S. Postal Service or courier	S	S	43.0	–	S	S	17.6
Truck and rail	29.4	.3	26.4	.4	33.8	1.7	14.5
Truck and water	21.8	.1	28.5	.2	31.5	1.6	27.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**26.8**	**.5**	**26.1**	**.7**	**30.1**	**.5**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**4.4**	**–**	**10.9**	**–**	**7.3**	**–**	**9.7**
Single modes	**4.6**	**1.6**	**11.3**	**.7**	**7.1**	**2.1**	**13.9**
Truck	5.0	1.8	12.2	1.4	8.4	2.8	16.3
For-hire truck	8.0	2.6	14.5	3.9	11.8	3.5	10.4
Private truck	7.1	3.1	19.4	4.3	16.1	2.6	8.1
Rail	10.4	.5	9.2	.6	10.8	2.6	3.1
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	29.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	35.1	–	27.1	–	33.2	–	14.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**41.8**	**1.6**	**18.6**	**.5**	**22.6**	**2.1**	**11.8**
Parcel, U.S. Postal Service or courier	25.7	.2	29.1	–	28.2	–	15.4
Truck and rail	S	S	20.3	.3	20.8	1.3	9.9
Truck and water	16.3	.2	24.2	.3	29.4	.9	24.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.5
Other and unknown modes	**28.6**	**.6**	**36.1**	**.6**	**24.6**	**.4**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**10.5**	**–**	**11.7**	**–**	**26.6**	**–**	**23.5**
Single modes	**9.8**	**1.4**	**11.0**	**1.3**	**24.3**	**4.3**	**30.6**
Truck	9.7	2.7	10.5	2.9	19.8	7.6	9.0
For-hire truck	14.5	2.9	17.3	3.0	20.0	6.2	23.6
Private truck	8.5	3.1	8.8	4.2	26.9	3.7	10.7
Rail	40.8	1.6	37.4	1.8	S	S	16.6
Water	S	S	S	S	S	S	21.2
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.2
Air (includes truck and air)	S	S	S	S	S	S	17.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**31.7**	**1.3**	**35.8**	**1.2**	**38.2**	**4.2**	**23.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.8
Truck and rail	41.6	1.2	44.8	1.1	43.7	4.2	13.2
Truck and water	35.4	.3	40.0	.4	S	S	27.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**34.6**	**.3**	**39.4**	**.5**	**S**	**S**	**27.0**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 09, TOBACCO PRODUCTS							
Total	**18.3**	**–**	**31.8**	**–**	**35.4**	**–**	**22.2**
Single modes	**18.8**	**3.2**	**32.5**	**3.3**	**35.6**	**5.7**	**10.4**
Truck	18.4	3.2	32.5	3.3	35.5	5.7	9.6
For-hire truck	S	S	S	S	S	S	S
Private truck	18.8	3.5	32.8	3.6	34.9	5.8	8.9
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)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**48.3**	**5.3**	**21.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	48.3	5.3	21.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**49.6**	**2.4**	**S**	**S**	**S**	**S**	**20.2**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**42.4**	**–**	**S**	**S**	**S**
Single modes	**S**	**S**	**42.8**	**5.5**	**S**	**S**	**21.5**
Truck	S	S	42.7	5.5	S	S	21.5
For-hire truck	47.0	10.8	48.8	10.2	47.9	10.4	25.7
Private truck	S	S	S	S	S	S	26.8
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**49.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42.6
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**	**22.9**
SCTG 11, NATURAL SANDS							
Total	**18.1**	**–**	**26.3**	**–**	**23.6**	**–**	**26.9**
Single modes	**18.5**	**1.8**	**26.6**	**.9**	**24.5**	**1.8**	**27.9**
Truck	19.2	2.3	28.3	3.8	27.5	4.3	28.4
For-hire truck	35.3	6.4	23.0	5.9	20.5	6.0	S
Private truck	20.4	6.4	12.7	6.4	35.6	5.5	44.7
Rail	32.2	1.3	41.9	.6	36.7	3.7	22.5
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	19.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.7**	**1.8**	**S**	**S**	**S**	**S**	**32.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	**10.7**	**–**	**14.1**	**–**	**14.8**	**–**	**22.2**
Single modes	**11.0**	**1.2**	**14.6**	**1.6**	**15.3**	**1.5**	**21.9**
Truck	11.3	1.9	15.1	2.3	16.8	4.5	21.8
For-hire truck	26.2	4.7	31.7	5.0	28.4	5.1	20.0
Private truck	16.6	5.1	12.9	4.8	25.5	5.6	S
Rail	S	S	S	S	S	S	21.1
Water	S	S	S	S	S	S	21.1
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**47.1**	**1.2**	**S**	**S**	**S**	**S**	**31.9**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**S**	**S**	**30.5**	**–**	**44.4**	**–**	**34.9**
Single modes	**S**	**S**	**32.6**	**5.6**	**18.8**	**10.1**	**37.8**
Truck	S	S	32.9	5.5	19.5	9.9	27.1
For-hire truck	17.9	6.8	24.0	5.5	22.5	7.7	36.8
Private truck	S	S	46.4	7.2	31.3	6.4	22.2
Rail	46.9	1.3	44.4	.9	45.5	3.7	17.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**38.8**	**1.9**	**39.7**	**1.1**	**40.4**	**3.5**	**24.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.2
Truck and rail	47.8	1.6	45.7	.9	45.3	3.4	19.9
Truck and water	S	S	S	S	S	S	20.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**39.5**	**3.8**	**S**	**S**	**S**	**S**	**29.0**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**38.1**	**–**	**S**	**S**	**46.6**	**–**	**44.0**
Single modes	**41.9**	**6.8**	**S**	**S**	**S**	**S**	**S**
Truck	47.5	7.4	47.7	14.6	S	S	S
For-hire truck	41.9	9.4	40.4	12.1	S	S	19.2
Private truck	S	S	S	S	S	S	S
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)	S	S	S	S	S	S	21.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**46.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**40.2**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**S**	**S**	**S**	**S**	**S**	**S**	**23.5**
Single modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Truck	–	–	–	–	–	–	–
For-hire truck	–	–	–	–	–	–	–
Private truck	–	–	–	–	–	–	–
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.5**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**10.1**	**–**	**9.9**	**–**	**22.9**	**–**	**18.1**
Single modes	**10.2**	**.2**	**9.9**	**.1**	**23.0**	**.3**	**17.6**
Truck	12.5	4.3	11.0	4.6	18.6	8.5	19.0
For-hire truck	17.7	2.7	17.3	2.9	36.7	4.8	39.5
Private truck	13.6	3.8	13.0	3.9	17.9	7.4	7.7
Rail	48.2	.3	47.0	.4	47.0	4.0	20.5
Water	S	S	S	S	44.9	9.6	30.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	47.5	9.5	24.9
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	13.6	2.9	12.9	3.2	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	22.4
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.4
Other and unknown modes	**47.3**	**.2**	**49.5**	**.1**	**S**	**S**	**35.1**
SCTG 18, FUEL OILS							
Total	**8.7**	**–**	**12.1**	**–**	**28.7**	**–**	**21.5**
Single modes	**9.3**	**1.9**	**11.9**	**.9**	**29.4**	**1.9**	**19.6**
Truck	12.6	5.5	13.7	5.8	23.8	10.1	13.8
For-hire truck	26.8	4.2	23.9	4.3	37.9	6.6	S
Private truck	11.6	4.4	11.5	4.3	16.8	6.2	10.5
Rail	35.5	.7	37.8	.8	S	S	27.9
Water	28.1	1.7	29.2	2.2	49.1	6.3	29.6
Shallow draft	34.2	1.1	40.3	1.4	35.3	2.2	19.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	42.0	1.5	41.9	1.8	S	S	25.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	20.0	4.4	21.0	4.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	25.9
Other and unknown modes	**38.3**	**1.9**	**43.1**	**.8**	**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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**13.4**	**–**	**19.0**	**–**	**19.1**	**–**	**36.8**
Single modes	**11.8**	**3.8**	**20.1**	**2.9**	**15.2**	**5.6**	**24.1**
Truck	10.5	5.2	21.3	5.9	15.0	6.8	17.0
For-hire truck	18.2	4.5	25.9	5.7	17.6	4.9	21.5
Private truck	11.6	3.9	17.1	4.6	13.8	2.4	12.5
Rail	24.0	1.4	26.4	2.0	30.8	4.7	17.7
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	20.7
Pipeline	39.7	3.0	44.3	3.7	S	S	S
Multiple modes	**25.5**	**1.2**	**31.4**	**.8**	**29.2**	**2.8**	**S**
Parcel, U.S. Postal Service or courier	43.4	.3	48.9	–	42.9	–	S
Truck and rail	S	S	S	S	S	S	S
Truck and water	38.9	1.1	39.8	.3	37.8	2.3	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**12.4**	**–**	**25.8**	**–**	**9.7**	**–**	**17.2**
Single modes	**14.7**	**4.1**	**26.6**	**1.8**	**10.1**	**1.3**	**28.0**
Truck	16.0	4.1	31.0	3.0	17.3	5.5	29.9
For-hire truck	21.2	3.9	11.0	4.0	21.8	4.5	12.1
Private truck	17.2	3.2	42.9	5.2	25.9	2.5	27.6
Rail	18.2	1.8	13.4	2.8	15.0	6.2	9.0
Water	S	S	S	S	S	S	21.5
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.5
Air (includes truck and air)	S	S	45.0	–	39.9	–	14.2
Pipeline	41.5	.1	36.3	.9	S	S	S
Multiple modes	**30.7**	**3.8**	**26.8**	**.3**	**25.2**	**1.2**	**12.5**
Parcel, U.S. Postal Service or courier	33.1	3.8	46.7	.3	45.5	.4	12.8
Truck and rail	32.0	.4	36.5	.2	37.5	1.2	17.9
Truck and water	S	S	S	S	35.7	–	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**29.8**	**.9**	**S**	**S**	**S**	**S**	**41.7**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**11.7**	**–**	**20.2**	**–**	**25.4**	**–**	**10.7**
Single modes	**14.2**	**3.6**	**24.1**	**4.7**	**30.4**	**5.8**	**27.4**
Truck	15.8	3.7	24.6	4.6	23.8	6.1	22.0
For-hire truck	13.8	3.5	24.9	5.3	27.3	7.4	14.4
Private truck	21.9	4.0	36.5	6.0	S	S	12.7
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.2
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.2
Air (includes truck and air)	26.7	2.0	47.0	.6	46.0	1.9	6.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.0**	**3.4**	**14.1**	**3.2**	**14.9**	**4.4**	**15.5**
Parcel, U.S. Postal Service or courier	16.2	3.3	15.6	3.3	17.5	4.5	15.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	46.5	.5	36.7	.4	S	S	27.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.3**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	**10.1**	**–**	**29.7**	**–**	**47.9**	**–**	**11.3**
Single modes	**9.6**	**3.1**	**32.7**	**3.8**	**49.0**	**3.3**	**10.1**
Truck	10.7	4.8	36.6	5.9	37.8	13.0	9.0
For-hire truck	16.4	3.8	20.6	4.8	20.2	8.6	23.4
Private truck	14.7	5.4	45.9	6.3	S	S	9.8
Rail	40.2	1.5	S	S	S	S	17.6
Water	S	S	S	S	S	S	S
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**45.6**	**.4**	**48.8**	**3.2**	**48.5**
Parcel, U.S. Postal Service or courier	39.0	–	37.1	–	38.4	–	S
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	45.7	.4	48.8	3.2	22.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**49.5**	**3.2**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**6.5**	**–**	**11.4**	**–**	**15.8**	**–**	**13.2**
Single modes	**7.0**	**3.3**	**12.1**	**1.4**	**16.1**	**1.4**	**10.4**
Truck	6.7	3.4	12.9	2.9	11.4	5.7	10.7
For-hire truck	9.4	3.1	14.2	2.6	12.5	5.0	8.9
Private truck	7.6	2.4	13.7	2.9	12.6	1.5	14.0
Rail	32.6	.4	32.1	1.3	35.9	5.1	15.2
Water	S	S	S	S	S	S	24.3
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	24.2
Air (includes truck and air)	S	S	42.9	–	36.0	.3	8.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.5**	**2.2**	**20.8**	**.7**	**22.8**	**1.1**	**26.0**
Parcel, U.S. Postal Service or courier	17.0	2.2	23.6	.7	20.5	.5	26.2
Truck and rail	S	S	S	S	S	S	15.5
Truck and water	39.2	.1	33.2	.1	36.8	.9	22.1
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**40.8**	**1.0**	**21.1**	**.6**	**22.0**
SCTG 24, PLASTICS AND RUBBER							
Total	**5.0**	**–**	**8.6**	**–**	**10.5**	**–**	**11.2**
Single modes	**6.4**	**2.8**	**9.0**	**1.6**	**12.3**	**2.2**	**18.9**
Truck	6.5	2.7	9.1	1.7	13.4	2.7	21.6
For-hire truck	8.7	2.8	9.3	3.1	13.4	2.7	7.8
Private truck	8.7	2.3	13.1	3.0	19.5	1.5	21.9
Rail	29.8	.4	49.6	1.3	24.8	1.6	14.8
Water	45.4	–	33.0	–	S	S	20.3
Shallow draft	S	S	S	S	S	S	24.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	46.1	–	34.6	–	S	S	21.8
Air (includes truck and air)	20.4	.2	40.0	–	45.5	.4	5.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**16.9**	**2.8**	**13.6**	**.6**	**15.6**	**2.1**	**5.7**
Parcel, U.S. Postal Service or courier	17.2	2.8	18.0	.5	21.9	1.5	5.7
Truck and rail	49.8	.3	28.2	.3	29.2	1.5	13.1
Truck and water	16.1	–	19.8	–	25.3	.4	16.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**15.8**	**.8**	**35.1**	**1.6**	**25.6**	**.7**	**34.2**

See footnotes at end of table.

Table B–7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the 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	**9.7**	**–**	**23.7**	**–**	**18.2**	**–**	**16.1**
Single modes	**9.0**	**3.2**	**25.0**	**2.4**	**11.8**	**5.6**	**17.3**
Truck	9.1	3.0	25.6	2.3	10.0	5.8	17.4
For-hire truck	15.6	5.2	16.6	5.9	17.5	5.4	7.4
Private truck	18.2	5.4	44.4	6.7	20.2	5.9	31.2
Rail	33.3	1.1	47.0	.9	46.2	2.6	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)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**36.0**	**1.1**	**35.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.0
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	46.8	.1	S	S	S	S	20.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**49.1**	**2.3**	**S**	**S**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**6.0**	**–**	**13.2**	**–**	**8.3**	**–**	**8.8**
Single modes	**6.1**	**1.1**	**12.1**	**4.2**	**9.1**	**1.5**	**6.9**
Truck	6.2	1.1	12.5	3.7	7.8	1.6	5.9
For-hire truck	7.7	2.0	11.4	3.1	7.9	1.9	8.5
Private truck	8.6	1.6	19.0	2.4	15.4	1.0	9.0
Rail	8.0	.7	20.5	1.5	12.5	2.4	5.2
Water	S	S	S	S	S	S	19.2
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	19.0
Air (includes truck and air)	34.7	–	45.5	–	S	S	15.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.4**	**.5**	**29.4**	**.6**	**17.0**	**1.2**	**6.5**
Parcel, U.S. Postal Service or courier	19.5	–	20.0	–	19.3	–	9.3
Truck and rail	17.6	.5	33.0	.6	19.1	1.3	6.4
Truck and water	21.9	–	23.5	–	27.6	.3	16.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**26.7**	**1.1**	**S**	**S**	**32.2**	**1.0**	**S**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**7.0**	**–**	**7.7**	**–**	**9.7**	**–**	**31.9**
Single modes	**6.9**	**2.4**	**8.6**	**1.7**	**11.9**	**3.8**	**12.3**
Truck	7.0	2.8	8.2	3.2	12.7	4.2	11.1
For-hire truck	12.3	3.1	12.3	3.3	13.3	4.2	13.1
Private truck	7.2	2.7	9.1	2.1	24.0	.7	10.3
Rail	18.1	2.4	16.6	3.2	15.9	4.8	8.2
Water	46.0	.5	43.8	.7	S	S	20.4
Shallow draft	S	S	S	S	49.1	–	21.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	19.8
Air (includes truck and air)	S	S	S	S	S	S	15.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.0**	**1.6**	**20.3**	**1.3**	**20.2**	**3.9**	**20.6**
Parcel, U.S. Postal Service or courier	S	S	25.4	–	32.5	–	20.8
Truck and rail	27.5	1.0	30.3	.8	34.1	3.2	13.8
Truck and water	42.4	.7	44.6	1.0	38.3	2.3	17.2
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	21.3
Other and unknown modes	**S**	**S**	**22.3**	**.8**	**26.8**	**.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 28, PAPER OR PAPERBOARD ARTICLES							
Total	**5.9**	**–**	**26.6**	**–**	**13.1**	**–**	**14.1**
Single modes	**6.1**	**1.5**	**27.4**	**1.3**	**13.9**	**2.1**	**14.4**
Truck	6.6	1.9	28.3	1.7	10.4	5.2	14.6
For-hire truck	9.9	3.2	26.2	3.5	12.0	4.5	9.2
Private truck	11.0	3.3	32.9	3.5	17.2	1.7	11.5
Rail	41.4	.5	42.6	.5	36.1	3.1	17.7
Water	49.3	1.5	47.0	1.3	S	S	20.1
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	20.0
Air (includes truck and air)	S	S	S	S	S	S	16.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**31.2**	**1.1**	**24.9**	**.2**	**27.6**	**1.7**	**10.6**
Parcel, U.S. Postal Service or courier	41.6	1.1	41.4	.2	40.0	.4	11.0
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	23.7	.1	29.5	–	28.0	.7	26.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**27.9**	**.8**	**38.9**	**1.2**	**S**	**S**	**47.9**
SCTG 29, PRINTED PRODUCTS							
Total	**5.9**	**–**	**10.8**	**–**	**20.9**	**–**	**12.3**
Single modes	**4.1**	**2.8**	**10.8**	**2.2**	**16.6**	**7.8**	**31.9**
Truck	4.3	2.8	10.9	2.3	18.7	7.1	37.5
For-hire truck	8.4	2.1	10.6	2.6	21.9	6.7	11.6
Private truck	8.2	2.9	14.3	4.2	11.5	1.6	23.5
Rail	S	S	S	S	S	S	22.9
Water	S	S	S	S	S	S	20.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	20.4
Air (includes truck and air)	22.9	.4	37.6	.4	30.7	2.0	6.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.8**	**2.5**	**21.8**	**1.2**	**29.8**	**4.7**	**14.4**
Parcel, U.S. Postal Service or courier	15.9	2.5	22.2	1.1	30.8	4.7	14.4
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	41.4	.1	41.6	–	S	S	18.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.7**	**.8**	**28.6**	**1.4**	**S**	**S**	**28.7**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**11.6**	**–**	**12.2**	**–**	**10.3**	**–**	**4.5**
Single modes	**14.2**	**3.0**	**13.7**	**2.0**	**11.5**	**2.2**	**8.3**
Truck	14.5	3.2	14.1	2.2	12.7	2.5	9.5
For-hire truck	18.8	4.3	12.9	4.1	16.4	4.3	6.6
Private truck	22.6	3.0	24.1	4.3	29.9	3.3	25.1
Rail	36.9	–	37.7	.3	38.3	1.1	19.2
Water	S	S	S	S	S	S	19.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	18.9
Air (includes truck and air)	30.6	1.1	34.8	.5	35.5	1.0	3.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.8**	**2.9**	**11.4**	**1.6**	**13.6**	**2.1**	**3.4**
Parcel, U.S. Postal Service or courier	18.8	2.7	8.1	1.4	8.2	2.2	3.4
Truck and rail	S	S	S	S	S	S	34.1
Truck and water	S	S	S	S	S	S	12.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**11.2**	**.4**	**13.1**	**.5**	**20.8**	**.5**	**30.3**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	**5.3**	**–**	**11.1**	**–**	**8.4**	**–**	**17.6**
Single modes	**5.7**	**1.3**	**11.2**	**.6**	**8.1**	**2.6**	**24.8**
Truck	6.0	1.5	11.9	1.3	5.5	3.7	25.3
For-hire truck	9.6	2.9	7.6	2.9	6.7	2.7	12.2
Private truck	10.9	3.6	16.2	3.6	12.8	3.1	35.0
Rail	23.0	.5	25.0	1.2	26.1	3.5	15.8
Water	S	S	S	S	S	S	24.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	28.0
Air (includes truck and air)	44.9	.2	S	S	S	S	17.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**18.7**	**1.1**	**26.0**	**.1**	**28.6**	**1.5**	**8.1**
Parcel, U.S. Postal Service or courier	19.1	1.0	21.1	–	20.8	.1	8.1
Truck and rail	40.5	.2	45.6	–	S	S	23.0
Truck and water	S	S	33.4	–	35.9	1.3	14.6
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**17.6**	**.7**	**23.7**	**.6**	**31.4**	**1.9**	**S**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**9.0**	**–**	**13.8**	**–**	**14.8**	**–**	**15.0**
Single modes	**9.6**	**2.2**	**12.1**	**3.1**	**11.4**	**4.4**	**15.8**
Truck	10.2	2.6	12.4	3.2	14.3	3.4	12.2
For-hire truck	14.8	2.8	17.4	3.0	15.6	3.1	11.1
Private truck	8.5	2.5	13.8	3.0	14.4	.9	10.9
Rail	11.7	.7	15.4	1.1	11.3	2.8	8.1
Water	40.6	.2	S	S	36.5	.6	22.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	46.2	.2	S	S	38.3	.6	21.5
Air (includes truck and air)	47.7	.4	S	S	S	S	7.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**31.5**	**1.8**	**S**	**S**	**19.7**	**1.6**	**8.3**
Parcel, U.S. Postal Service or courier	40.0	1.4	37.1	.1	S	S	8.7
Truck and rail	19.0	.2	18.0	.3	17.8	.9	9.5
Truck and water	33.2	–	37.8	.1	47.1	1.0	17.2
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**31.6**	**1.4**	**34.9**	**2.7**	**S**	**S**	**35.1**
SCTG 33, ARTICLES OF BASE METAL							
Total	**7.6**	**–**	**9.5**	**–**	**13.5**	**–**	**12.1**
Single modes	**9.0**	**3.3**	**10.2**	**3.0**	**10.2**	**5.5**	**9.7**
Truck	9.3	3.4	10.7	3.2	10.2	5.7	11.0
For-hire truck	10.3	2.7	10.1	3.1	10.8	5.1	9.2
Private truck	9.0	1.5	13.4	2.1	16.3	.9	8.3
Rail	33.9	.3	31.8	.9	37.0	2.8	17.9
Water	S	S	S	S	S	S	19.0
Shallow draft	S	S	S	S	S	S	23.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	37.2	–	46.7	–	S	S	19.3
Air (includes truck and air)	25.6	.4	47.7	.5	S	S	5.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.8**	**3.0**	**19.7**	**.8**	**S**	**S**	**13.1**
Parcel, U.S. Postal Service or courier	15.1	3.0	12.2	.4	14.3	.8	13.1
Truck and rail	S	S	37.6	–	49.4	.1	17.6
Truck and water	38.0	.1	S	S	S	S	34.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.2
Other and unknown modes	**23.3**	**1.5**	**26.3**	**3.3**	**30.2**	**5.1**	**15.5**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	**8.2**	**–**	**18.4**	**–**	**30.4**	**–**	**11.1**
Single modes	**8.7**	**2.4**	**16.6**	**2.2**	**22.7**	**3.8**	**9.9**
Truck	6.8	2.5	14.8	2.3	17.9	4.5	12.7
For-hire truck	8.8	3.0	20.8	3.0	19.3	4.8	8.9
Private truck	12.7	2.1	14.8	3.0	S	S	27.9
Rail	38.3	.1	46.6	.3	46.6	1.2	17.6
Water	S	S	S	S	S	S	31.6
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	37.4	–	42.5	–	S	S	22.5
Air (includes truck and air)	36.8	1.1	S	S	S	S	4.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.6**	**2.1**	**15.5**	**1.5**	**29.1**	**2.8**	**9.5**
Parcel, U.S. Postal Service or courier	14.7	2.1	15.9	1.5	30.4	2.9	9.5
Truck and rail	S	S	S	S	S	S	21.3
Truck and water	46.3	–	49.0	.1	S	S	41.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**23.3**	**1.7**	**45.5**	**1.9**	**S**	**S**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**8.7**	**–**	**16.2**	**–**	**28.6**	**–**	**6.4**
Single modes	**12.5**	**2.5**	**18.8**	**2.6**	**33.0**	**3.7**	**11.8**
Truck	12.6	2.4	20.0	3.1	36.0	4.1	13.0
For-hire truck	16.7	2.7	27.3	4.3	41.0	5.3	8.0
Private truck	5.3	1.1	12.5	3.6	20.3	2.4	21.2
Rail	26.6	.2	44.0	1.3	33.9	1.1	13.5
Water	38.3	–	38.6	–	40.1	–	S
Shallow draft	S	S	S	S	S	S	22.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	40.4	–	43.7	–	42.9	–	44.2
Air (includes truck and air)	18.0	1.4	22.9	.7	19.9	1.4	2.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**8.3**	**1.9**	**9.2**	**1.1**	**13.2**	**2.0**	**5.0**
Parcel, U.S. Postal Service or courier	8.5	1.9	9.0	1.1	12.3	1.8	5.0
Truck and rail	S	S	S	S	S	S	18.8
Truck and water	S	S	42.7	.2	30.5	.2	15.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**22.2**	**1.5**	**26.3**	**2.1**	**39.4**	**2.8**	**24.0**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**11.9**	**–**	**14.9**	**–**	**16.2**	**–**	**11.2**
Single modes	**11.8**	**2.5**	**17.6**	**4.0**	**21.0**	**5.4**	**17.8**
Truck	11.6	2.8	18.1	4.2	23.4	5.7	20.6
For-hire truck	16.5	3.3	15.8	3.8	22.6	5.0	13.8
Private truck	12.1	4.0	30.0	5.7	45.3	5.0	13.8
Rail	35.2	.2	34.5	.3	36.4	1.2	16.8
Water	45.4	–	42.2	.2	S	S	19.6
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	48.1	–	46.6	.2	S	S	19.1
Air (includes truck and air)	36.0	.8	35.1	.4	35.5	1.7	7.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.0**	**1.9**	**9.3**	**.8**	**13.8**	**2.3**	**7.7**
Parcel, U.S. Postal Service or courier	14.4	1.9	9.4	.8	13.1	2.3	7.8
Truck and rail	37.0	–	46.2	.1	40.4	.3	17.2
Truck and water	S	S	S	S	S	S	19.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**22.0**	**2.6**	**28.6**	**4.1**	**26.6**	**5.4**	**32.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**24.9**	**–**	**21.0**	**–**	**13.8**	**–**	**9.1**
Single modes	**27.8**	**5.6**	**21.7**	**2.3**	**15.1**	**4.9**	**16.6**
Truck	19.0	6.5	17.8	6.5	17.2	6.0	31.1
For-hire truck	30.5	5.3	25.8	5.2	18.7	6.3	12.9
Private truck	15.5	2.9	24.1	4.4	26.0	1.7	25.9
Rail	43.9	.9	S	S	S	S	21.6
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)	33.9	10.5	35.1	3.1	21.8	4.4	4.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**32.3**	**5.4**	**37.1**	**1.9**	**47.4**	**4.9**	**6.7**
Parcel, U.S. Postal Service or courier	12.7	4.1	38.4	1.8	49.1	5.0	6.7
Truck and rail	S	S	S	S	S	S	22.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**29.6**	**1.2**	**39.7**	**1.1**	**16.4**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**10.8**	**–**	**16.9**	**–**	**17.6**	**–**	**4.7**
Single modes	**12.7**	**3.4**	**18.5**	**3.5**	**19.9**	**4.9**	**9.8**
Truck	13.6	2.9	19.3	3.9	18.8	5.1	14.4
For-hire truck	13.4	2.4	24.6	5.2	20.0	5.3	10.6
Private truck	24.6	1.8	35.2	3.9	34.2	1.1	37.8
Rail	S	S	S	S	S	S	22.7
Water	S	S	S	S	S	S	S
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	17.7	2.5	29.6	1.9	35.3	3.1	3.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**13.5**	**3.7**	**15.9**	**3.4**	**23.7**	**4.4**	**4.3**
Parcel, U.S. Postal Service or courier	13.7	3.7	16.1	3.5	24.0	4.4	4.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	21.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**26.0**	**.9**	**45.4**	**1.6**	**S**	**S**	**45.2**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**13.4**	**–**	**14.5**	**–**	**16.2**	**–**	**10.4**
Single modes	**11.1**	**2.8**	**15.5**	**1.8**	**18.5**	**2.3**	**12.3**
Truck	11.2	2.7	15.8	1.8	19.6	2.9	11.7
For-hire truck	13.7	4.0	17.3	4.2	21.8	4.6	8.0
Private truck	14.3	3.3	22.6	3.6	32.9	2.6	16.3
Rail	43.5	.3	46.5	.7	S	S	36.1
Water	39.3	–	40.5	–	S	S	21.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	39.3	–	40.5	–	S	S	21.4
Air (includes truck and air)	36.8	.1	31.1	–	29.3	.2	11.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.0**	**2.1**	**20.9**	**1.1**	**20.3**	**2.0**	**8.9**
Parcel, U.S. Postal Service or courier	35.0	2.2	31.2	1.1	36.3	1.6	9.1
Truck and rail	37.0	.4	26.6	.4	26.0	1.4	13.1
Truck and water	40.8	–	37.6	.1	43.1	.3	16.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**29.6**	**1.3**	**48.0**	**1.1**	**26.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**29.1**	**–**	**27.2**	**–**	**42.8**	**–**	**5.7**
Single modes	**42.7**	**4.4**	**26.7**	**4.7**	**17.3**	**7.3**	**11.3**
Truck	44.9	4.7	26.7	4.6	16.1	6.9	13.5
For-hire truck	36.2	2.2	22.7	3.8	16.0	5.9	7.3
Private truck	S	S	31.5	3.8	23.6	2.0	24.5
Rail	44.8	.2	42.0	.3	41.0	1.0	17.3
Water	S	S	S	S	S	S	26.2
Shallow draft	S	S	S	S	S	S	21.9
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	25.9
Air (includes truck and air)	21.6	.9	44.6	.2	S	S	5.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.2**	**4.5**	**19.3**	**1.2**	**23.0**	**2.8**	**3.8**
Parcel, U.S. Postal Service or courier	15.5	4.4	21.3	1.1	26.8	2.3	3.8
Truck and rail	30.2	.2	29.6	.2	32.5	1.0	14.5
Truck and water	35.0	–	37.7	–	35.1	.3	17.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.3**	**.7**	**S**	**S**	**S**	**S**	**17.4**
SCTG 41, WASTE AND SCRAP							
Total	**14.4**	**–**	**16.8**	**–**	**21.3**	**–**	**27.2**
Single modes	**14.7**	**4.2**	**17.0**	**3.9**	**19.4**	**6.3**	**28.3**
Truck	15.3	4.4	17.5	4.7	21.0	6.6	30.7
For-hire truck	20.5	6.3	29.2	6.1	29.6	6.3	25.3
Private truck	28.6	6.8	26.5	6.4	36.7	6.0	S
Rail	21.0	1.0	23.1	2.2	25.3	2.6	19.8
Water	S	S	S	S	S	S	25.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	25.8
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.3**	**.9**	**28.4**	**.4**	**28.8**	**3.3**	**21.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.9
Truck and rail	31.5	.8	33.8	.2	31.6	3.3	16.4
Truck and water	S	S	S	S	S	S	18.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	47.8	–	45.7	–	45.3	–	19.9
Other and unknown modes	**44.0**	**4.2**	**S**	**S**	**48.2**	**6.8**	**21.3**
SCTG 43, MIXED FREIGHT							
Total	**30.2**	**–**	**37.0**	**–**	**38.5**	**–**	**19.4**
Single modes	**30.5**	**.7**	**37.3**	**.7**	**37.3**	**2.9**	**25.2**
Truck	30.7	1.4	37.3	.7	37.8	3.0	27.3
For-hire truck	44.9	2.0	29.1	1.5	28.7	4.7	20.4
Private truck	32.0	2.5	37.8	1.9	41.2	5.3	11.1
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	28.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	28.4
Air (includes truck and air)	S	S	S	S	S	S	19.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.6**	**.6**	**38.7**	**.5**	**S**	**S**	**16.1**
Parcel, U.S. Postal Service or courier	30.6	.6	24.4	.4	37.7	2.4	16.8
Truck and rail	S	S	S	S	S	S	21.9
Truck and water	46.4	.1	S	S	S	S	17.6
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**17.5**

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	
COMMODITY UNKNOWN							
Total	**21.6**	**–**	**42.1**	**–**	**29.2**	**–**	**19.9**
Single modes	**25.6**	**5.6**	**43.0**	**2.6**	**31.8**	**6.3**	**19.6**
Truck	26.1	5.1	49.1	7.1	28.4	6.2	24.3
For-hire truck	39.8	5.1	S	S	34.2	7.2	15.9
Private truck	23.7	4.7	23.6	8.6	30.7	3.0	S
Rail	49.1	.4	S	S	45.2	4.1	26.3
Water	S	S	S	S	S	S	22.7
Shallow draft	S	S	S	S	S	S	28.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	48.0	.3	S	S	10.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	**21.6**	**5.1**	**48.7**	**2.4**	**48.5**	**5.8**	**22.0**
Parcel, U.S. Postal Service or courier	22.5	5.1	28.5	.9	22.7	3.1	22.2
Truck and rail	44.8	.4	S	S	S	S	24.4
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**39.1**	**1.1**	**S**	**S**	**34.4**

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	**3.7**	**5.5**	**2.8**
Less than 50 miles	3.9	7.4	7.4
50 to 99 miles	11.3	6.3	5.6
100 to 249 miles	8.7	8.2	7.8
250 to 499 miles	6.8	10.9	9.7
500 to 749 miles	3.7	9.1	8.8
750 to 999 miles	8.9	11.2	9.9
1,000 to 1,499 miles	7.2	11.5	10.7
1,500 to 1,999 miles	6.1	8.5	8.2
2,000 miles or more	6.2	3.5	3.7
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	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	S	S	S
SCTG 02, Cereal grains	**15.2**	**16.9**	**23.2**
Less than 50 miles	19.5	20.7	33.7
50 to 99 miles	29.9	33.2	34.5
100 to 249 miles	29.1	29.1	30.0
250 to 499 miles	S	S	S
500 to 749 miles	S	42.6	39.8
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**9.1**	**11.1**	**9.6**
Less than 50 miles	15.0	20.0	15.6
50 to 99 miles	10.2	14.5	15.2
100 to 249 miles	13.8	14.3	13.7
250 to 499 miles	13.3	22.1	21.7
500 to 749 miles	22.1	19.0	19.0
750 to 999 miles	15.7	16.7	16.7
1,000 to 1,499 miles	12.3	9.5	9.5
1,500 to 1,999 miles	11.5	12.6	12.5
2,000 miles or more	14.3	14.2	13.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	**15.3**	**15.8**	**21.2**
Less than 50 miles	18.1	19.5	41.2
50 to 99 miles	19.5	22.7	23.7
100 to 249 miles	18.6	31.1	32.3
250 to 499 miles	36.9	36.5	34.9
500 to 749 miles	34.1	S	S
750 to 999 miles	36.7	38.7	38.0
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	48.1	47.3
2,000 miles or more	S	47.9	47.8
SCTG 05, Meat, fish, seafood, and their preparations	**9.0**	**16.6**	**16.5**
Less than 50 miles	12.4	25.3	27.7
50 to 99 miles	18.0	18.2	18.4
100 to 249 miles	14.8	13.8	13.2
250 to 499 miles	18.7	20.6	20.0
500 to 749 miles	18.8	20.0	20.9
750 to 999 miles	23.9	27.4	28.7
1,000 to 1,499 miles	23.2	35.3	37.8
1,500 to 1,999 miles	30.0	26.0	26.4
2,000 miles or more	30.8	32.5	30.8
SCTG 06, Milled grain products and preparations, and bakery products	**11.9**	**19.1**	**19.3**
Less than 50 miles	12.1	20.4	36.4
50 to 99 miles	19.2	22.0	22.1
100 to 249 miles	24.5	28.1	25.9
250 to 499 miles	17.0	27.2	26.3
500 to 749 miles	22.1	23.2	23.1
750 to 999 miles	22.1	31.3	32.6
1,000 to 1,499 miles	20.7	30.7	31.4
1,500 to 1,999 miles	21.0	35.6	37.4
2,000 miles or more	20.6	21.8	22.4
SCTG 07, Other prepared foodstuffs and fats and oils	**4.4**	**10.9**	**7.3**
Less than 50 miles	6.5	16.9	23.8
50 to 99 miles	7.1	9.4	8.8
100 to 249 miles	6.8	16.9	17.5
250 to 499 miles	11.3	16.1	16.5
500 to 749 miles	9.9	10.2	10.2
750 to 999 miles	16.3	19.8	19.6
1,000 to 1,499 miles	11.0	11.6	11.0
1,500 to 1,999 miles	24.8	13.8	13.4
2,000 miles or more	9.5	13.6	14.1

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**10.5**	**11.7**	**26.6**
Less than 50 miles	6.9	7.0	9.5
50 to 99 miles	14.0	17.4	17.3
100 to 249 miles	39.2	26.1	25.5
250 to 499 miles	22.3	27.4	26.8
500 to 749 miles	22.1	23.4	22.6
750 to 999 miles	29.6	36.5	36.2
1,000 to 1,499 miles	20.9	25.9	26.5
1,500 to 1,999 miles	33.9	39.3	39.7
2,000 miles or more	28.6	33.9	35.1
SCTG 09, Tobacco products	**18.3**	**31.8**	**35.4**
Less than 50 miles	18.1	22.6	20.9
50 to 99 miles	24.7	S	S
100 to 249 miles	35.5	30.8	33.8
250 to 499 miles	45.3	S	50.0
500 to 749 miles	42.7	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	44.3	S	S
SCTG 10, Monumental or building stone	**S**	**42.4**	**S**
Less than 50 miles	S	46.8	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	49.5
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**18.1**	**26.3**	**23.6**
Less than 50 miles	23.0	28.4	29.9
50 to 99 miles	22.3	39.4	40.7
100 to 249 miles	22.5	24.2	26.8
250 to 499 miles	S	22.3	24.1
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**10.7**	**14.1**	**14.8**
Less than 50 miles	11.9	14.9	18.1
50 to 99 miles	22.8	24.1	25.1
100 to 249 miles	36.0	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	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**30.5**	**44.4**
Less than 50 miles	S	44.4	S
50 to 99 miles	32.0	47.6	49.1
100 to 249 miles	20.6	40.9	41.5
250 to 499 miles	37.4	42.3	42.2
500 to 749 miles	48.7	S	S
750 to 999 miles	24.7	S	S
1,000 to 1,499 miles	36.2	37.3	38.5
1,500 to 1,999 miles	23.7	S	S
2,000 miles or more	25.4	49.4	47.0
SCTG 14, Metallic ores and concentrates	**38.1**	**S**	**46.6**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	27.6	27.1
250 to 499 miles	38.2	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	–	–	–
100 to 249 miles	–	–	–
250 to 499 miles	–	–	–
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**10.1**	**9.9**	**22.9**
Less than 50 miles	10.6	10.6	8.2
50 to 99 miles	32.7	39.7	32.2
100 to 249 miles	24.2	31.3	29.1
250 to 499 miles	29.7	31.5	26.0
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	49.7	49.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	**8.7**	**12.1**	**28.7**
Less than 50 miles	10.1	13.2	15.6
50 to 99 miles	19.0	23.8	23.0
100 to 249 miles	43.1	36.3	41.6
250 to 499 miles	41.7	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**13.4**	**19.0**	**19.1**
Less than 50 miles	15.6	23.1	38.5
50 to 99 miles	14.3	21.6	21.5
100 to 249 miles	22.2	28.1	31.5
250 to 499 miles	S	S	S
500 to 749 miles	19.1	34.9	35.9
750 to 999 miles	26.0	28.0	28.1
1,000 to 1,499 miles	35.9	41.2	40.5
1,500 to 1,999 miles	37.1	S	S
2,000 miles or more	47.2	33.3	33.8
SCTG 20, Basic chemicals	**12.4**	**25.8**	**9.7**
Less than 50 miles	15.2	37.8	34.1
50 to 99 miles	18.7	16.3	15.5
100 to 249 miles	14.1	15.6	15.4
250 to 499 miles	19.1	17.2	17.1
500 to 749 miles	23.9	21.3	20.7
750 to 999 miles	37.5	19.8	19.9
1,000 to 1,499 miles	26.7	23.8	22.5
1,500 to 1,999 miles	19.0	16.2	16.3
2,000 miles or more	28.7	23.4	23.7
SCTG 21, Pharmaceutical products	**11.7**	**20.2**	**25.4**
Less than 50 miles	18.5	34.4	12.4
50 to 99 miles	19.1	16.1	16.7
100 to 249 miles	16.7	18.5	18.5
250 to 499 miles	14.2	28.8	26.8
500 to 749 miles	29.1	S	32.3
750 to 999 miles	36.7	38.1	34.3
1,000 to 1,499 miles	25.2	39.0	35.8
1,500 to 1,999 miles	13.7	S	S
2,000 miles or more	15.7	25.7	25.7
SCTG 22, Fertilizers	**10.1**	**29.7**	**47.9**
Less than 50 miles	11.8	30.0	47.3
50 to 99 miles	16.8	S	48.2
100 to 249 miles	20.3	28.2	27.5
250 to 499 miles	29.6	33.2	33.9
500 to 749 miles	41.7	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	40.5	45.5	45.9
SCTG 23, Chemical products and preparations, n.e.c.	**6.5**	**11.4**	**15.8**
Less than 50 miles	10.4	13.3	12.9
50 to 99 miles	18.9	10.0	10.4
100 to 249 miles	24.2	15.4	14.0
250 to 499 miles	12.7	24.6	23.8
500 to 749 miles	19.2	23.1	22.6
750 to 999 miles	17.8	21.9	21.0
1,000 to 1,499 miles	21.3	S	S
1,500 to 1,999 miles	16.1	21.3	21.7
2,000 miles or more	12.8	17.1	18.5
SCTG 24, Plastics and rubber	**5.0**	**8.6**	**10.5**
Less than 50 miles	7.0	13.3	13.3
50 to 99 miles	19.7	24.0	20.6
100 to 249 miles	8.8	19.5	18.9
250 to 499 miles	8.8	9.0	9.2
500 to 749 miles	12.2	13.5	13.5
750 to 999 miles	13.2	18.5	18.1
1,000 to 1,499 miles	12.2	18.2	17.8
1,500 to 1,999 miles	12.3	14.4	14.4
2,000 miles or more	10.2	16.8	17.4

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**9.7**	**23.7**	**18.2**
Less than 50 miles	12.6	29.6	16.6
50 to 99 miles	17.0	19.1	19.5
100 to 249 miles	25.7	21.8	26.2
250 to 499 miles	30.3	30.2	31.5
500 to 749 miles	35.3	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	36.1	40.3	40.8
2,000 miles or more	S	S	S
SCTG 26, Wood products	**6.0**	**13.2**	**8.3**
Less than 50 miles	10.1	25.5	21.2
50 to 99 miles	9.4	23.2	23.8
100 to 249 miles	13.3	14.8	14.7
250 to 499 miles	8.4	28.7	27.0
500 to 749 miles	8.2	10.1	11.3
750 to 999 miles	11.9	12.0	12.0
1,000 to 1,499 miles	9.5	12.7	12.6
1,500 to 1,999 miles	6.5	9.1	9.9
2,000 miles or more	8.5	8.9	9.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.0**	**7.7**	**9.7**
Less than 50 miles	12.5	8.4	9.9
50 to 99 miles	11.0	14.0	13.0
100 to 249 miles	15.3	15.2	16.1
250 to 499 miles	8.2	9.4	10.6
500 to 749 miles	19.2	22.5	23.2
750 to 999 miles	14.9	14.1	14.4
1,000 to 1,499 miles	27.3	28.0	26.5
1,500 to 1,999 miles	17.2	14.6	14.5
2,000 miles or more	18.6	16.2	16.2
SCTG 28, Paper or paperboard articles	**5.9**	**26.6**	**13.1**
Less than 50 miles	9.2	40.8	47.0
50 to 99 miles	13.8	11.7	11.6
100 to 249 miles	9.2	9.9	10.6
250 to 499 miles	11.5	24.7	30.6
500 to 749 miles	13.2	15.5	16.3
750 to 999 miles	12.2	10.6	10.6
1,000 to 1,499 miles	20.3	21.1	20.0
1,500 to 1,999 miles	28.8	20.4	20.4
2,000 miles or more	29.5	24.4	38.7
SCTG 29, Printed products	**5.9**	**10.8**	**20.9**
Less than 50 miles	6.0	12.1	12.2
50 to 99 miles	20.8	11.7	11.9
100 to 249 miles	24.3	15.3	15.0
250 to 499 miles	7.0	16.7	21.0
500 to 749 miles	10.3	15.9	15.6
750 to 999 miles	14.4	26.1	30.1
1,000 to 1,499 miles	14.2	14.1	13.9
1,500 to 1,999 miles	17.8	32.5	32.1
2,000 miles or more	11.6	38.0	38.3
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.6**	**12.2**	**10.3**
Less than 50 miles	12.9	13.9	17.2
50 to 99 miles	12.7	28.8	29.8
100 to 249 miles	37.4	40.7	44.1
250 to 499 miles	32.4	29.2	29.1
500 to 749 miles	18.6	18.2	18.8
750 to 999 miles	25.0	20.9	22.4
1,000 to 1,499 miles	16.1	15.8	16.0
1,500 to 1,999 miles	14.7	12.5	12.8
2,000 miles or more	16.1	12.0	12.2
SCTG 31, Nonmetallic mineral products	**5.3**	**11.1**	**8.4**
Less than 50 miles	8.8	14.1	14.4
50 to 99 miles	11.6	13.8	15.1
100 to 249 miles	8.5	8.5	9.8
250 to 499 miles	10.6	16.7	18.0
500 to 749 miles	11.9	18.5	20.0
750 to 999 miles	16.1	12.0	12.7
1,000 to 1,499 miles	19.5	33.3	31.2
1,500 to 1,999 miles	28.2	35.7	39.3
2,000 miles or more	19.8	24.6	25.1
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**9.0**	**13.8**	**14.8**
Less than 50 miles	9.2	20.2	18.9
50 to 99 miles	29.9	34.4	38.4
100 to 249 miles	10.6	13.4	13.4
250 to 499 miles	14.0	19.8	18.8
500 to 749 miles	13.6	19.2	18.7
750 to 999 miles	19.7	17.6	17.8
1,000 to 1,499 miles	38.0	19.8	19.7
1,500 to 1,999 miles	17.7	21.0	19.6
2,000 miles or more	22.5	44.4	45.3

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**7.6**	**9.5**	**13.5**
Less than 50 miles	9.7	10.8	11.8
50 to 99 miles	10.8	14.6	14.4
100 to 249 miles	10.9	15.1	13.6
250 to 499 miles	11.6	18.5	18.3
500 to 749 miles	8.9	12.8	12.5
750 to 999 miles	15.7	22.1	22.6
1,000 to 1,499 miles	24.7	23.2	22.7
1,500 to 1,999 miles	11.0	21.7	32.0
2,000 miles or more	14.8	21.5	21.1
SCTG 34, Machinery	**8.2**	**18.4**	**30.4**
Less than 50 miles	8.8	15.4	28.6
50 to 99 miles	11.2	12.0	12.1
100 to 249 miles	14.4	10.2	10.2
250 to 499 miles	10.1	18.1	16.7
500 to 749 miles	23.6	21.9	22.1
750 to 999 miles	18.5	25.6	25.7
1,000 to 1,499 miles	13.4	43.9	43.6
1,500 to 1,999 miles	15.8	18.0	18.2
2,000 miles or more	19.1	48.4	47.7
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.7**	**16.2**	**28.6**
Less than 50 miles	7.8	8.5	10.0
50 to 99 miles	25.2	18.4	19.3
100 to 249 miles	22.5	15.8	16.3
250 to 499 miles	15.6	29.7	29.7
500 to 749 miles	11.5	30.3	29.6
750 to 999 miles	17.2	15.6	16.1
1,000 to 1,499 miles	13.7	35.2	33.7
1,500 to 1,999 miles	11.8	16.3	16.4
2,000 miles or more	13.4	40.8	41.5
SCTG 36, Motorized and other vehicles (including parts)	**11.9**	**14.9**	**16.2**
Less than 50 miles	17.5	18.1	16.6
50 to 99 miles	10.4	15.1	17.8
100 to 249 miles	23.1	17.1	15.2
250 to 499 miles	17.9	34.6	33.7
500 to 749 miles	23.8	30.9	29.9
750 to 999 miles	21.9	15.4	15.5
1,000 to 1,499 miles	25.2	21.7	21.9
1,500 to 1,999 miles	23.3	19.0	19.1
2,000 miles or more	15.9	21.9	21.7
SCTG 37, Transportation equipment, n.e.c.	**24.9**	**21.0**	**13.8**
Less than 50 miles	S	34.2	39.1
50 to 99 miles	24.4	32.2	40.2
100 to 249 miles	25.3	24.7	28.5
250 to 499 miles	30.6	S	S
500 to 749 miles	39.7	S	S
750 to 999 miles	49.4	25.7	24.9
1,000 to 1,499 miles	47.7	26.7	26.0
1,500 to 1,999 miles	31.2	26.1	27.4
2,000 miles or more	39.0	22.3	22.5
SCTG 38, Precision instruments and apparatus	**10.8**	**16.9**	**17.6**
Less than 50 miles	16.5	26.6	32.6
50 to 99 miles	20.9	33.7	31.6
100 to 249 miles	19.5	S	S
250 to 499 miles	17.3	40.7	42.7
500 to 749 miles	19.8	27.6	27.3
750 to 999 miles	29.7	46.2	45.3
1,000 to 1,499 miles	12.3	24.3	23.0
1,500 to 1,999 miles	12.0	21.4	20.4
2,000 miles or more	14.8	20.2	20.5
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**13.4**	**14.5**	**16.2**
Less than 50 miles	16.0	22.3	19.3
50 to 99 miles	14.3	18.8	18.2
100 to 249 miles	19.1	17.2	17.6
250 to 499 miles	25.3	17.6	17.0
500 to 749 miles	22.3	15.7	15.4
750 to 999 miles	19.8	21.5	22.1
1,000 to 1,499 miles	15.6	20.3	19.4
1,500 to 1,999 miles	31.6	13.3	13.2
2,000 miles or more	16.8	22.6	22.2
SCTG 40, Miscellaneous manufactured products	**29.1**	**27.2**	**42.8**
Less than 50 miles	22.2	17.4	19.6
50 to 99 miles	S	S	46.6
100 to 249 miles	S	35.9	36.0
250 to 499 miles	38.7	35.1	31.7
500 to 749 miles	13.6	27.5	28.3
750 to 999 miles	17.6	S	S
1,000 to 1,499 miles	14.1	S	S
1,500 to 1,999 miles	18.5	44.0	43.6
2,000 miles or more	8.9	37.8	37.0

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	**14.4**	**16.8**	**21.3**
Less than 50 miles	18.0	19.9	20.5
50 to 99 miles	26.1	24.6	30.1
100 to 249 miles	20.6	25.1	26.0
250 to 499 miles	30.4	41.8	43.6
500 to 749 miles	27.8	36.8	36.2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	20.0	S	S
1,500 to 1,999 miles	17.6	20.2	19.9
2,000 miles or more	30.0	35.9	35.8
SCTG 43, Mixed freight	**30.2**	**37.0**	**38.5**
Less than 50 miles	27.7	34.7	35.3
50 to 99 miles	34.2	42.1	41.6
100 to 249 miles	43.9	45.4	49.6
250 to 499 miles	39.3	45.0	46.7
500 to 749 miles	45.6	26.9	26.8
750 to 999 miles	37.0	46.8	48.1
1,000 to 1,499 miles	33.1	34.3	35.7
1,500 to 1,999 miles	23.0	32.4	32.1
2,000 miles or more	39.4	49.4	S
Commodity unknown	**21.6**	**42.1**	**29.2**
Less than 50 miles	39.7	S	S
50 to 99 miles	S	S	S
100 to 249 miles	27.1	29.8	34.4
250 to 499 miles	22.4	48.6	47.9
500 to 749 miles	31.4	S	S
750 to 999 miles	42.2	S	S
1,000 to 1,499 miles	38.8	42.8	42.3
1,500 to 1,999 miles	29.4	29.5	30.5
2,000 miles or more	36.0	45.3	44.2

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	**3.7**	**5.5**	**2.8**
Less than 50 lb	3.7	3.1	5.6
50 to 99 lb	6.2	4.7	5.9
100 to 499 lb	3.1	3.6	3.6
500 to 749 lb	5.7	4.3	7.6
750 to 999 lb	5.9	3.8	6.6
1,000 to 9,999 lb	4.7	3.4	11.4
10,000 to 49,999 lb	9.6	5.5	2.3
50,000 to 99,999 lb	8.1	7.9	3.9
100,000 lb or more	12.8	9.6	7.2
SCTG 01, Live animals and live fish	**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	S	S	S
1,000 to 9,999 lb	S	48.5	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 02, Cereal grains	**15.2**	**16.9**	**23.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	49.5	45.0
100 to 499 lb	S	36.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	38.0	47.7
10,000 to 49,999 lb	34.9	31.3	45.3
50,000 to 99,999 lb	24.9	26.2	44.3
100,000 lb or more	17.3	18.3	27.4
SCTG 03, Other agricultural products	**9.1**	**11.1**	**9.6**
Less than 50 lb	S	S	36.9
50 to 99 lb	38.0	28.8	S
100 to 499 lb	21.8	27.2	35.8
500 to 749 lb	20.3	26.6	20.4
750 to 999 lb	20.1	33.1	22.3
1,000 to 9,999 lb	16.6	23.7	26.7
10,000 to 49,999 lb	9.0	9.8	10.0
50,000 to 99,999 lb	15.8	16.5	31.5
100,000 lb or more	19.7	30.8	25.2
SCTG 04, Animal feed and products of animal origin, n.e.c.	**15.3**	**15.8**	**21.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	46.8	36.0	S
500 to 749 lb	S	40.2	S
750 to 999 lb	S	42.9	S
1,000 to 9,999 lb	30.3	22.8	28.8
10,000 to 49,999 lb	16.7	17.9	25.0
50,000 to 99,999 lb	19.4	20.3	28.1
100,000 lb or more	28.3	24.0	29.3
SCTG 05, Meat, fish, seafood, and their preparations	**9.0**	**16.6**	**16.5**
Less than 50 lb	22.0	21.3	37.6
50 to 99 lb	18.7	19.9	40.5
100 to 499 lb	11.6	13.9	12.3
500 to 749 lb	15.0	15.6	13.1
750 to 999 lb	14.2	15.9	12.8
1,000 to 9,999 lb	13.1	10.6	15.6
10,000 to 49,999 lb	13.3	26.7	20.1
50,000 to 99,999 lb	33.7	36.7	S
100,000 lb or more	29.9	32.6	44.7
SCTG 06, Milled grain products and preparations, and bakery products	**11.9**	**19.1**	**19.3**
Less than 50 lb	41.5	S	33.7
50 to 99 lb	35.0	36.3	34.4
100 to 499 lb	18.7	21.1	24.7
500 to 749 lb	20.8	24.2	34.6
750 to 999 lb	24.2	47.1	36.3
1,000 to 9,999 lb	12.1	15.9	26.2
10,000 to 49,999 lb	15.3	24.6	15.3
50,000 to 99,999 lb	27.2	26.7	35.9
100,000 lb or more	30.8	44.5	44.1
SCTG 07, Other prepared foodstuffs and fats and oils	**4.4**	**10.9**	**7.3**
Less than 50 lb	20.5	16.4	23.5
50 to 99 lb	18.9	19.2	23.0
100 to 499 lb	15.2	15.4	24.5
500 to 749 lb	11.9	12.9	17.6
750 to 999 lb	12.4	15.9	19.4
1,000 to 9,999 lb	12.9	13.3	10.1
10,000 to 49,999 lb	7.2	16.6	7.3
50,000 to 99,999 lb	18.7	29.8	25.2
100,000 lb or more	9.4	16.7	16.3

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**10.5**	**11.7**	**26.6**
Less than 50 lb	48.5	40.3	S
50 to 99 lb	12.7	9.6	13.8
100 to 499 lb	6.5	6.5	13.2
500 to 749 lb	9.3	11.8	18.2
750 to 999 lb	10.4	12.7	25.0
1,000 to 9,999 lb	7.8	8.0	28.6
10,000 to 49,999 lb	18.1	19.6	23.3
50,000 to 99,999 lb	33.6	22.8	24.1
100,000 lb or more	38.7	34.6	S
SCTG 09, Tobacco products	**18.3**	**31.8**	**35.4**
Less than 50 lb	19.6	22.0	34.1
50 to 99 lb	20.6	20.0	20.9
100 to 499 lb	21.2	17.1	19.0
500 to 749 lb	41.4	30.3	43.9
750 to 999 lb	S	31.1	30.9
1,000 to 9,999 lb	30.0	34.6	46.5
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	**S**	**42.4**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	42.8	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	S	40.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**18.1**	**26.3**	**23.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	37.1	22.1	S
500 to 749 lb	47.7	45.9	S
750 to 999 lb	46.0	43.9	S
1,000 to 9,999 lb	S	24.7	36.4
10,000 to 49,999 lb	37.7	16.8	37.3
50,000 to 99,999 lb	17.7	15.4	25.3
100,000 lb or more	40.0	S	42.5
SCTG 12, Gravel and crushed stone	**10.7**	**14.1**	**14.8**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.9	35.2	24.7
10,000 to 49,999 lb	17.8	16.0	27.0
50,000 to 99,999 lb	18.2	20.7	19.3
100,000 lb or more	23.6	34.8	33.8
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**30.5**	**44.4**
Less than 50 lb	47.9	32.2	S
50 to 99 lb	S	27.8	31.4
100 to 499 lb	31.7	27.5	28.0
500 to 749 lb	S	S	S
750 to 999 lb	S	38.8	49.3
1,000 to 9,999 lb	S	S	42.5
10,000 to 49,999 lb	S	46.4	40.1
50,000 to 99,999 lb	S	32.9	S
100,000 lb or more	25.7	46.5	29.9
SCTG 14, Metallic ores and concentrates	**38.1**	**S**	**46.6**
Less than 50 lb	S	S	41.7
50 to 99 lb	S	49.3	35.5
100 to 499 lb	S	48.7	S
500 to 749 lb	S	43.0	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	42.0	40.3	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	40.2	S
100,000 lb or more	49.0	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 lb	–	–	–
50 to 99 lb	–	–	–
100 to 499 lb	–	–	–
500 to 749 lb	–	–	–
750 to 999 lb	–	–	–
1,000 to 9,999 lb	–	–	–
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**10.1**	**9.9**	**22.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	40.3	34.4
500 to 749 lb	27.9	31.5	31.1
750 to 999 lb	34.2	32.5	30.2
1,000 to 9,999 lb	S	46.6	43.8
10,000 to 49,999 lb	19.0	16.3	41.9
50,000 to 99,999 lb	8.4	11.9	16.2
100,000 lb or more	17.3	17.1	31.3
SCTG 18, Fuel oils	**8.7**	**12.1**	**28.7**
Less than 50 lb	S	46.2	S
50 to 99 lb	38.3	35.9	34.3
100 to 499 lb	42.4	34.6	22.5
500 to 749 lb	39.6	26.9	19.7
750 to 999 lb	31.5	31.9	40.5
1,000 to 9,999 lb	30.5	17.2	25.1
10,000 to 49,999 lb	16.3	15.6	31.8
50,000 to 99,999 lb	17.3	17.1	31.8
100,000 lb or more	16.5	18.3	34.7
SCTG 19, Coal and petroleum products, n.e.c.	**13.4**	**19.0**	**19.1**
Less than 50 lb	33.1	34.8	30.3
50 to 99 lb	26.9	33.3	24.7
100 to 499 lb	19.7	32.9	25.8
500 to 749 lb	46.5	S	S
750 to 999 lb	23.4	38.1	34.5
1,000 to 9,999 lb	19.9	25.3	21.1
10,000 to 49,999 lb	18.9	32.2	16.2
50,000 to 99,999 lb	23.7	22.5	20.6
100,000 lb or more	30.6	31.5	32.4
SCTG 20, Basic chemicals	**12.4**	**25.8**	**9.7**
Less than 50 lb	21.9	23.7	33.8
50 to 99 lb	28.6	20.7	44.3
100 to 499 lb	26.1	21.9	35.1
500 to 749 lb	21.6	19.8	S
750 to 999 lb	30.7	30.5	38.1
1,000 to 9,999 lb	21.2	17.9	26.3
10,000 to 49,999 lb	14.7	35.3	17.8
50,000 to 99,999 lb	21.2	40.7	29.7
100,000 lb or more	18.9	19.0	15.0
SCTG 21, Pharmaceutical products	**11.7**	**20.2**	**25.4**
Less than 50 lb	15.0	12.4	12.6
50 to 99 lb	17.4	12.1	21.6
100 to 499 lb	11.9	13.0	20.2
500 to 749 lb	15.4	17.9	44.4
750 to 999 lb	19.3	17.0	S
1,000 to 9,999 lb	21.3	20.3	31.0
10,000 to 49,999 lb	S	S	49.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**10.1**	**29.7**	**47.9**
Less than 50 lb	36.1	S	36.8
50 to 99 lb	33.9	38.6	S
100 to 499 lb	19.0	20.0	23.4
500 to 749 lb	20.6	21.9	31.4
750 to 999 lb	26.9	31.5	35.9
1,000 to 9,999 lb	14.5	15.6	15.4
10,000 to 49,999 lb	15.1	41.4	35.3
50,000 to 99,999 lb	12.1	28.8	29.5
100,000 lb or more	34.1	40.4	S
SCTG 23, Chemical products and preparations, n.e.c.	**6.5**	**11.4**	**15.8**
Less than 50 lb	14.6	19.6	17.9
50 to 99 lb	17.9	17.3	21.8
100 to 499 lb	15.3	16.5	11.5
500 to 749 lb	14.8	17.7	23.2
750 to 999 lb	13.7	15.5	16.9
1,000 to 9,999 lb	9.8	8.9	12.4
10,000 to 49,999 lb	13.6	19.5	13.0
50,000 to 99,999 lb	44.0	20.3	15.7
100,000 lb or more	S	S	49.5
SCTG 24, Plastics and rubber	**5.0**	**8.6**	**10.5**
Less than 50 lb	14.4	11.9	23.8
50 to 99 lb	9.4	12.0	20.5
100 to 499 lb	10.3	11.7	14.4
500 to 749 lb	15.3	14.7	17.8
750 to 999 lb	10.7	9.8	14.6
1,000 to 9,999 lb	8.3	8.9	12.9
10,000 to 49,999 lb	11.5	12.0	11.2
50,000 to 99,999 lb	45.6	49.4	25.1
100,000 lb or more	S	34.7	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**9.7**	**23.7**	**18.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	45.9	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.3	39.1	24.6
10,000 to 49,999 lb	15.0	26.4	23.3
50,000 to 99,999 lb	12.6	33.6	13.7
100,000 lb or more	34.0	34.5	48.2
SCTG 26, Wood products	**6.0**	**13.2**	**8.3**
Less than 50 lb	24.5	12.8	21.9
50 to 99 lb	17.6	16.4	18.9
100 to 499 lb	13.5	13.4	19.3
500 to 749 lb	11.0	12.2	22.1
750 to 999 lb	14.5	12.6	27.4
1,000 to 9,999 lb	7.0	8.2	12.5
10,000 to 49,999 lb	6.7	12.3	8.9
50,000 to 99,999 lb	10.7	16.3	9.5
100,000 lb or more	11.4	29.6	11.8
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.0**	**7.7**	**9.7**
Less than 50 lb	27.7	16.2	33.7
50 to 99 lb	28.0	28.5	22.6
100 to 499 lb	26.2	31.7	21.5
500 to 749 lb	28.3	30.9	18.6
750 to 999 lb	19.4	20.3	45.4
1,000 to 9,999 lb	15.3	8.7	26.7
10,000 to 49,999 lb	9.8	9.5	10.0
50,000 to 99,999 lb	14.9	12.5	13.6
100,000 lb or more	14.4	14.6	13.5
SCTG 28, Paper or paperboard articles	**5.9**	**26.6**	**13.1**
Less than 50 lb	30.9	13.6	34.7
50 to 99 lb	13.0	14.1	25.2
100 to 499 lb	12.2	14.8	18.5
500 to 749 lb	15.7	24.4	20.4
750 to 999 lb	18.5	23.3	47.7
1,000 to 9,999 lb	10.9	11.7	13.9
10,000 to 49,999 lb	9.4	38.2	16.3
50,000 to 99,999 lb	19.7	23.5	35.2
100,000 lb or more	31.8	31.6	40.0
SCTG 29, Printed products	**5.9**	**10.8**	**20.9**
Less than 50 lb	14.2	14.9	18.7
50 to 99 lb	11.4	14.3	21.7
100 to 499 lb	9.7	10.8	24.9
500 to 749 lb	12.2	22.2	33.9
750 to 999 lb	14.1	19.8	40.2
1,000 to 9,999 lb	7.5	12.4	45.7
10,000 to 49,999 lb	9.8	14.6	13.5
50,000 to 99,999 lb	36.6	37.6	36.1
100,000 lb or more	48.0	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.6**	**12.2**	**10.3**
Less than 50 lb	23.6	15.1	18.1
50 to 99 lb	13.2	17.9	27.8
100 to 499 lb	9.3	10.2	12.0
500 to 749 lb	13.1	10.6	19.5
750 to 999 lb	13.3	22.0	17.5
1,000 to 9,999 lb	15.7	9.2	17.2
10,000 to 49,999 lb	37.5	27.0	22.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**5.3**	**11.1**	**8.4**
Less than 50 lb	26.1	22.7	35.2
50 to 99 lb	27.8	19.6	46.1
100 to 499 lb	17.7	14.8	30.0
500 to 749 lb	23.3	12.8	35.0
750 to 999 lb	21.5	15.7	16.9
1,000 to 9,999 lb	17.7	17.2	17.4
10,000 to 49,999 lb	7.8	14.0	7.5
50,000 to 99,999 lb	7.8	9.5	8.3
100,000 lb or more	11.2	23.6	22.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**9.0**	**13.8**	**14.8**
Less than 50 lb	31.4	27.4	S
50 to 99 lb	19.2	14.7	32.2
100 to 499 lb	15.2	10.1	21.0
500 to 749 lb	17.0	10.4	24.2
750 to 999 lb	14.4	11.1	22.2
1,000 to 9,999 lb	15.5	8.8	14.8
10,000 to 49,999 lb	11.7	13.0	19.5
50,000 to 99,999 lb	28.2	20.3	18.7
100,000 lb or more	25.6	41.5	14.7

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	**7.6**	**9.5**	**13.5**
Less than 50 lb	14.0	11.8	18.8
50 to 99 lb	14.1	10.1	18.3
100 to 499 lb	9.8	11.4	17.5
500 to 749 lb	15.0	16.0	23.1
750 to 999 lb	14.5	15.0	15.3
1,000 to 9,999 lb	11.4	12.4	18.2
10,000 to 49,999 lb	12.8	10.9	16.8
50,000 to 99,999 lb	24.8	31.3	46.3
100,000 lb or more	22.7	22.8	42.7
SCTG 34, Machinery	**8.2**	**18.4**	**30.4**
Less than 50 lb	12.3	11.1	21.8
50 to 99 lb	17.8	17.1	23.6
100 to 499 lb	13.7	18.0	25.2
500 to 749 lb	14.0	14.2	15.5
750 to 999 lb	21.0	11.8	14.6
1,000 to 9,999 lb	15.4	9.9	13.9
10,000 to 49,999 lb	13.3	11.3	15.2
50,000 to 99,999 lb	S	35.5	S
100,000 lb or more	38.5	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.7**	**16.2**	**28.6**
Less than 50 lb	7.0	7.4	10.7
50 to 99 lb	7.9	14.7	11.1
100 to 499 lb	8.2	9.2	12.8
500 to 749 lb	16.2	12.1	20.6
750 to 999 lb	16.9	19.8	25.8
1,000 to 9,999 lb	20.0	29.3	48.6
10,000 to 49,999 lb	21.4	14.5	15.0
50,000 to 99,999 lb	S	33.3	34.8
100,000 lb or more	31.4	S	29.1
SCTG 36, Motorized and other vehicles (including parts)	**11.9**	**14.9**	**16.2**
Less than 50 lb	9.1	8.1	10.0
50 to 99 lb	10.3	11.2	19.8
100 to 499 lb	16.0	16.5	12.7
500 to 749 lb	23.7	20.3	24.4
750 to 999 lb	19.2	12.6	20.5
1,000 to 9,999 lb	13.6	10.1	9.0
10,000 to 49,999 lb	21.4	21.4	22.0
50,000 to 99,999 lb	36.6	42.1	43.2
100,000 lb or more	S	45.0	S
SCTG 37, Transportation equipment, n.e.c.	**24.9**	**21.0**	**13.8**
Less than 50 lb	19.9	21.6	26.6
50 to 99 lb	S	14.0	23.9
100 to 499 lb	22.3	32.1	46.5
500 to 749 lb	49.1	35.0	S
750 to 999 lb	28.0	42.0	S
1,000 to 9,999 lb	46.7	23.4	32.1
10,000 to 49,999 lb	S	30.6	22.0
50,000 to 99,999 lb	42.8	38.9	46.9
100,000 lb or more	41.2	44.9	31.0
SCTG 38, Precision instruments and apparatus	**10.8**	**16.9**	**17.6**
Less than 50 lb	10.4	10.9	13.4
50 to 99 lb	22.0	16.3	15.8
100 to 499 lb	15.3	15.5	19.0
500 to 749 lb	17.4	21.1	25.3
750 to 999 lb	19.5	21.2	36.5
1,000 to 9,999 lb	20.9	28.0	28.8
10,000 to 49,999 lb	28.3	28.2	41.8
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**13.4**	**14.5**	**16.2**
Less than 50 lb	21.6	20.1	38.7
50 to 99 lb	34.4	24.4	46.6
100 to 499 lb	14.5	11.3	17.9
500 to 749 lb	17.5	11.8	14.1
750 to 999 lb	14.4	12.3	14.9
1,000 to 9,999 lb	16.1	13.0	14.3
10,000 to 49,999 lb	16.5	24.1	25.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**29.1**	**27.2**	**42.8**
Less than 50 lb	13.7	13.5	16.7
50 to 99 lb	15.4	12.1	16.0
100 to 499 lb	9.9	12.4	9.7
500 to 749 lb	12.6	18.9	36.6
750 to 999 lb	12.2	10.5	10.7
1,000 to 9,999 lb	25.8	39.7	S
10,000 to 49,999 lb	S	38.6	38.4
50,000 to 99,999 lb	21.8	23.1	26.4
100,000 lb or more	36.1	S	46.7

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	**14.4**	**16.8**	**21.3**
Less than 50 lb	S	S	47.6
50 to 99 lb	S	49.3	43.5
100 to 499 lb	31.3	28.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	38.2	S	S
10,000 to 49,999 lb	15.1	19.9	23.8
50,000 to 99,999 lb	27.5	31.1	27.5
100,000 lb or more	30.1	28.4	31.9
SCTG 43, Mixed freight	**30.2**	**37.0**	**38.5**
Less than 50 lb	22.4	16.6	31.4
50 to 99 lb	27.6	17.4	38.7
100 to 499 lb	29.3	24.9	20.2
500 to 749 lb	14.7	15.0	24.4
750 to 999 lb	20.3	17.1	20.0
1,000 to 9,999 lb	31.7	13.3	14.3
10,000 to 49,999 lb	42.9	44.3	44.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**21.6**	**42.1**	**29.2**
Less than 50 lb	21.1	29.3	27.7
50 to 99 lb	30.7	33.5	38.1
100 to 499 lb	S	49.4	26.9
500 to 749 lb	42.1	40.5	41.0
750 to 999 lb	32.7	23.9	31.4
1,000 to 9,999 lb	36.1	26.9	37.9
10,000 to 49,999 lb	33.0	32.4	34.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**3.7**	**5.5**	**2.8**	**5.3**	**3.9**	**7.4**	**7.4**	**11.3**	**6.3**	**5.6**
Less than 50 lb	3.7	3.1	5.6	5.4	4.4	5.2	4.8	5.8	12.6	12.7
50 to 99 lb	6.2	4.7	5.9	6.4	7.1	6.1	5.7	10.4	8.3	8.1
100 to 499 lb	3.1	3.6	3.6	4.3	4.1	4.9	4.4	14.7	7.0	6.8
500 to 749 lb	5.7	4.3	7.6	6.5	6.2	5.1	4.9	7.3	8.4	8.0
750 to 999 lb	5.9	3.8	6.6	7.1	5.0	5.2	5.0	10.2	9.4	9.5
1,000 to 9,999 lb	4.7	3.4	11.4	8.5	6.0	4.6	5.6	14.2	5.9	6.1
10,000 to 49,999 lb	9.6	5.5	2.3	5.6	5.9	7.3	8.1	27.3	8.1	7.9
50,000 to 99,999 lb	8.1	7.9	3.9	7.6	7.9	9.9	8.1	9.9	6.6	6.9
100,000 lb or more	12.8	9.6	7.2	7.6	18.0	12.8	19.5	29.6	25.3	20.8
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**18.7**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	24.3	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	S	S	21.2	S	S	S	–	–	–
500 to 749 lb	S	S	S	21.1	S	S	S	–	–	–
750 to 999 lb	S	S	S	23.2	S	S	S	–	–	–
1,000 to 9,999 lb	S	48.5	S	20.2	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**15.2**	**16.9**	**23.2**	**29.0**	**19.5**	**20.7**	**33.7**	**29.9**	**33.2**	**34.5**
Less than 50 lb	S	S	S	26.2	S	S	S	–	–	–
50 to 99 lb	S	49.5	45.0	28.0	S	49.9	S	–	–	–
100 to 499 lb	S	36.4	S	22.8	S	39.1	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.2	S	S	S	–	–	–
1,000 to 9,999 lb	S	38.0	47.7	27.5	S	40.4	34.7	S	S	S
10,000 to 49,999 lb	34.9	31.3	45.3	42.6	40.5	36.6	S	32.4	30.6	32.3
50,000 to 99,999 lb	24.9	26.2	44.3	15.6	29.6	30.6	41.2	41.2	45.0	45.4
100,000 lb or more	17.3	18.3	27.4	25.1	20.8	21.3	38.8	S	S	S
SCTG 03, Other agricultural products	**9.1**	**11.1**	**9.6**	**35.1**	**15.0**	**20.0**	**15.6**	**10.2**	**14.5**	**15.2**
Less than 50 lb	S	S	36.9	S	S	S	S	22.3	32.5	37.9
50 to 99 lb	38.0	28.8	S	22.4	28.3	27.5	30.7	34.7	42.7	41.3
100 to 499 lb	21.8	27.2	35.8	39.2	24.7	27.9	24.3	30.7	42.2	41.3
500 to 749 lb	20.3	26.6	20.4	S	20.7	31.9	21.5	31.9	42.3	38.8
750 to 999 lb	20.1	33.1	22.3	45.3	21.9	37.9	29.3	S	49.9	S
1,000 to 9,999 lb	16.6	23.7	26.7	16.7	25.5	35.1	25.0	19.5	23.6	24.5
10,000 to 49,999 lb	9.0	9.8	10.0	10.9	17.8	19.3	19.1	16.6	19.5	17.9
50,000 to 99,999 lb	15.8	16.5	31.5	22.2	24.2	27.7	19.3	26.1	44.8	S
100,000 lb or more	19.7	30.8	25.2	19.2	37.4	47.0	37.3	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**15.3**	**15.8**	**21.2**	**18.8**	**18.1**	**19.5**	**41.2**	**19.5**	**22.7**	**23.7**
Less than 50 lb	S	S	S	18.9	33.4	34.2	22.6	49.9	31.5	31.8
50 to 99 lb	S	S	S	19.1	S	34.9	34.6	S	42.1	39.6
100 to 499 lb	46.8	36.0	S	21.1	41.5	35.0	24.6	43.3	45.9	43.0
500 to 749 lb	S	40.2	S	19.3	S	44.0	46.3	S	S	S
750 to 999 lb	S	42.9	S	21.9	48.7	42.1	42.3	S	S	S
1,000 to 9,999 lb	30.3	22.8	28.8	16.4	21.4	22.8	22.1	S	39.5	39.6
10,000 to 49,999 lb	16.7	17.9	25.0	18.0	21.8	23.0	43.3	22.2	25.9	26.2
50,000 to 99,999 lb	19.4	20.3	28.1	15.9	22.8	24.0	48.4	36.9	28.4	32.3
100,000 lb or more	28.3	24.0	29.3	17.2	44.9	35.2	36.0	43.8	44.4	43.7
SCTG 05, Meat, fish, seafood, and their preparations	**9.0**	**16.6**	**16.5**	**31.1**	**12.4**	**25.3**	**27.7**	**18.0**	**18.2**	**18.4**
Less than 50 lb	22.0	21.3	37.6	S	23.7	22.8	22.7	34.7	30.4	29.3
50 to 99 lb	18.7	19.9	40.5	47.6	20.6	21.9	20.7	41.9	34.6	33.4
100 to 499 lb	11.6	13.9	12.3	S	13.6	17.0	15.4	27.3	23.8	23.8
500 to 749 lb	15.0	15.6	13.1	31.6	19.1	18.1	16.0	22.9	28.0	26.4
750 to 999 lb	14.2	15.9	12.8	42.7	17.8	19.0	22.7	25.8	29.1	30.4
1,000 to 9,999 lb	13.1	10.6	15.6	24.7	16.4	13.7	15.2	17.9	15.7	16.5
10,000 to 49,999 lb	13.3	26.7	20.1	15.6	19.1	46.3	46.7	23.2	17.5	17.1
50,000 to 99,999 lb	33.7	36.7	S	S	37.2	S	S	S	S	S
100,000 lb or more	29.9	32.6	44.7	22.8	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**11.9**	**19.1**	**19.3**	**S**	**12.1**	**20.4**	**36.4**	**19.2**	**22.0**	**22.1**
Less than 50 lb	41.5	S	33.7	S	44.9	S	45.5	38.8	S	S
50 to 99 lb	35.0	36.3	34.4	S	37.4	37.8	36.2	S	S	S
100 to 499 lb	18.7	21.1	24.7	S	22.5	22.8	24.1	30.5	31.1	32.4
500 to 749 lb	20.8	24.2	34.6	31.6	21.4	28.9	32.9	34.3	25.8	25.9
750 to 999 lb	24.2	47.1	36.3	S	22.0	42.8	31.0	S	S	S
1,000 to 9,999 lb	12.1	15.9	26.2	23.6	13.7	18.6	20.5	26.9	17.9	18.5
10,000 to 49,999 lb	15.3	24.6	15.3	15.6	18.2	32.5	S	21.9	27.8	28.1
50,000 to 99,999 lb	27.2	26.7	35.9	41.4	29.4	28.4	45.4	S	S	S
100,000 lb or more	30.8	44.5	44.1	17.3	43.9	S	S	S	S	S

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**4.4**	**10.9**	**7.3**	**9.7**	**6.5**	**16.9**	**23.8**	**7.1**	**9.4**	**8.8**
Less than 50 lb	20.5	16.4	23.5	21.0	21.3	16.6	19.3	35.1	32.3	30.7
50 to 99 lb	18.9	19.2	23.0	26.0	19.5	22.1	20.4	24.6	19.4	17.8
100 to 499 lb	15.2	15.4	24.5	29.2	18.4	17.5	15.1	16.8	17.7	17.6
500 to 749 lb	11.9	12.9	17.6	22.9	14.0	15.0	16.8	20.9	20.8	20.9
750 to 999 lb	12.4	15.9	19.4	25.1	15.7	19.0	18.8	25.7	20.1	21.1
1,000 to 9,999 lb	12.9	13.3	10.1	16.2	18.3	15.7	18.7	12.9	15.9	17.1
10,000 to 49,999 lb	7.2	16.6	7.3	11.7	8.7	25.9	35.4	9.7	14.7	13.9
50,000 to 99,999 lb	18.7	29.8	25.2	11.2	19.8	27.1	23.9	21.7	20.3	19.3
100,000 lb or more	9.4	16.7	16.3	4.7	39.8	S	S	S	S	S
SCTG 08, Alcoholic beverages	**10.5**	**11.7**	**26.6**	**23.5**	**6.9**	**7.0**	**9.5**	**14.0**	**17.4**	**17.3**
Less than 50 lb	48.5	40.3	S	21.2	20.6	10.6	13.0	S	41.7	44.6
50 to 99 lb	12.7	9.6	13.8	18.6	13.3	12.8	14.5	27.3	21.9	22.8
100 to 499 lb	6.5	6.5	13.2	11.2	6.9	7.4	8.1	19.6	17.5	17.8
500 to 749 lb	9.3	11.8	18.2	13.1	10.7	12.8	13.9	34.5	22.5	22.2
750 to 999 lb	10.4	12.7	25.0	13.6	12.7	13.9	13.2	28.2	21.8	23.4
1,000 to 9,999 lb	7.8	8.0	28.6	15.8	7.2	8.0	8.1	28.6	25.9	24.6
10,000 to 49,999 lb	18.1	19.6	23.3	14.7	18.4	18.4	23.3	25.0	26.8	26.5
50,000 to 99,999 lb	33.6	22.8	24.1	37.5	S	S	S	40.3	41.1	40.4
100,000 lb or more	38.7	34.6	S	17.9	S	S	S	S	S	S
SCTG 09, Tobacco products	**18.3**	**31.8**	**35.4**	**22.2**	**18.1**	**22.6**	**20.9**	**24.7**	**S**	**S**
Less than 50 lb	19.6	22.0	34.1	28.4	25.1	28.8	28.3	26.4	27.9	27.7
50 to 99 lb	20.6	20.0	20.9	20.3	21.8	20.9	27.3	24.8	24.4	27.4
100 to 499 lb	21.2	17.1	19.0	10.6	26.9	21.5	20.3	20.3	15.9	16.1
500 to 749 lb	41.4	30.3	43.9	14.6	25.3	24.8	28.0	48.2	35.4	38.1
750 to 999 lb	S	31.1	30.9	20.6	S	44.4	48.1	41.8	41.1	42.5
1,000 to 9,999 lb	30.0	34.6	46.5	17.0	32.9	42.2	39.8	47.3	45.5	46.5
10,000 to 49,999 lb	S	S	S	21.7	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**42.4**	**S**	**S**	**S**	**46.8**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	23.1	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	42.8	S	27.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	21.2	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	20.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	40.1	S	18.6	S	39.8	47.0	S	S	48.2
50,000 to 99,999 lb	S	S	S	45.4	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.7	S	S	S	–	–	–
SCTG 11, Natural sands	**18.1**	**26.3**	**23.6**	**26.9**	**23.0**	**28.4**	**29.9**	**22.3**	**39.4**	**40.7**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.3	S	S	S	–	–	–
100 to 499 lb	37.1	22.1	S	29.1	45.0	27.9	38.2	S	S	S
500 to 749 lb	47.7	45.9	S	25.2	50.0	46.8	S	S	S	S
750 to 999 lb	46.0	43.9	S	24.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	24.7	36.4	49.2	37.0	26.7	22.1	S	S	S
10,000 to 49,999 lb	37.7	16.8	37.3	30.6	48.6	17.6	20.3	48.6	30.0	28.3
50,000 to 99,999 lb	17.7	15.4	25.3	19.8	19.3	17.0	17.6	35.8	35.0	35.3
100,000 lb or more	40.0	S	42.5	44.4	43.0	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**10.7**	**14.1**	**14.8**	**22.2**	**11.9**	**14.9**	**18.1**	**22.8**	**24.1**	**25.1**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	16.5	S	S	S	–	–	–
500 to 749 lb	S	S	S	27.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	–	–	–
1,000 to 9,999 lb	48.9	35.2	24.7	14.9	S	35.6	28.6	S	38.9	39.8
10,000 to 49,999 lb	17.8	16.0	27.0	38.0	19.1	16.6	19.1	32.5	40.0	42.7
50,000 to 99,999 lb	18.2	20.7	19.3	8.9	19.5	21.3	22.7	25.3	20.2	21.1
100,000 lb or more	23.6	34.8	33.8	25.5	25.2	37.5	46.0	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**30.5**	**44.4**	**34.9**	**S**	**44.4**	**S**	**32.0**	**47.6**	**49.1**
Less than 50 lb	47.9	32.2	S	S	S	44.7	38.3	S	S	S
50 to 99 lb	S	27.8	31.4	46.9	S	46.4	S	S	S	S
100 to 499 lb	31.7	27.5	28.0	S	37.7	29.2	34.6	S	S	S
500 to 749 lb	S	S	S	18.9	S	S	S	S	S	S
750 to 999 lb	S	38.8	49.3	S	S	47.2	S	S	S	S
1,000 to 9,999 lb	S	S	42.5	S	S	S	47.8	45.0	S	S
10,000 to 49,999 lb	S	46.4	40.1	28.1	S	S	S	46.0	41.9	40.9
50,000 to 99,999 lb	S	32.9	S	41.3	S	45.8	46.4	39.6	46.1	44.4
100,000 lb or more	25.7	46.5	29.9	S	S	S	41.4	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**38.1**	**S**	**46.6**	**44.0**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	41.7	S	S	S	S	S	S	S
50 to 99 lb	S	49.3	35.5	S	S	49.9	S	S	S	S
100 to 499 lb	S	48.7	S	25.7	S	35.3	40.9	S	S	S
500 to 749 lb	S	43.0	S	28.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.7	S	S	S	–	–	–
1,000 to 9,999 lb	42.0	40.3	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	44.4	S	48.3	S	S	S	S
50,000 to 99,999 lb	S	40.2	S	25.2	–	–	–	S	S	S
100,000 lb or more	49.0	S	S	22.9	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**23.5**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	21.2	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**10.1**	**9.9**	**22.9**	**18.1**	**10.6**	**10.6**	**8.2**	**32.7**	**39.7**	**32.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	40.3	34.4	32.9	S	40.7	28.8	S	S	S
500 to 749 lb	27.9	31.5	31.1	23.0	29.9	32.7	25.9	S	S	S
750 to 999 lb	34.2	32.5	30.2	32.9	35.5	33.5	30.7	S	S	S
1,000 to 9,999 lb	S	46.6	43.8	16.5	S	47.0	48.6	S	S	S
10,000 to 49,999 lb	19.0	16.3	41.9	21.7	18.6	13.8	17.5	31.8	32.3	29.6
50,000 to 99,999 lb	8.4	11.9	16.2	12.8	7.6	10.8	11.7	16.0	17.1	17.3
100,000 lb or more	17.3	17.1	31.3	19.7	22.0	21.8	17.4	S	S	S
SCTG 18, Fuel oils	**8.7**	**12.1**	**28.7**	**21.5**	**10.1**	**13.2**	**15.6**	**19.0**	**23.8**	**23.0**
Less than 50 lb	S	46.2	S	S	S	45.5	S	S	S	S
50 to 99 lb	38.3	35.9	34.3	20.2	38.8	36.4	36.6	S	S	S
100 to 499 lb	42.4	34.6	22.5	S	35.9	34.8	23.5	S	S	S
500 to 749 lb	39.6	26.9	19.7	19.4	29.8	27.1	19.6	S	S	S
750 to 999 lb	31.5	31.9	40.5	18.7	29.9	30.1	26.7	S	S	S
1,000 to 9,999 lb	30.5	17.2	25.1	9.9	31.3	17.7	29.8	S	41.5	36.8
10,000 to 49,999 lb	16.3	15.6	31.8	12.6	15.1	14.3	22.2	41.9	42.9	40.9
50,000 to 99,999 lb	17.3	17.1	31.8	43.3	15.8	14.8	22.5	39.4	41.4	36.5
100,000 lb or more	16.5	18.3	34.7	S	21.4	22.4	25.0	31.3	37.4	38.6
SCTG 19, Coal and petroleum products, n.e.c.	**13.4**	**19.0**	**19.1**	**36.8**	**15.6**	**23.1**	**38.5**	**14.3**	**21.6**	**21.5**
Less than 50 lb	33.1	34.8	30.3	S	38.8	37.5	32.6	S	S	S
50 to 99 lb	26.9	33.3	24.7	25.0	27.5	34.5	30.4	S	S	S
100 to 499 lb	19.7	32.9	25.8	27.9	20.9	36.5	41.7	38.6	34.1	33.8
500 to 749 lb	46.5	S	S	S	S	S	S	S	S	S
750 to 999 lb	23.4	38.1	34.5	34.3	26.2	41.8	32.5	S	S	S
1,000 to 9,999 lb	19.9	25.3	21.1	33.5	22.4	27.5	19.9	28.0	27.7	30.3
10,000 to 49,999 lb	18.9	32.2	16.2	38.1	21.0	36.7	43.6	19.8	20.2	23.5
50,000 to 99,999 lb	23.7	22.5	20.6	12.1	27.2	24.4	25.1	27.7	30.0	27.3
100,000 lb or more	30.6	31.5	32.4	25.7	30.9	39.9	S	S	S	S
SCTG 20, Basic chemicals	**12.4**	**25.8**	**9.7**	**17.2**	**15.2**	**37.8**	**34.1**	**18.7**	**16.3**	**15.5**
Less than 50 lb	21.9	23.7	33.8	13.7	21.3	22.0	21.4	36.9	38.5	36.2
50 to 99 lb	28.6	20.7	44.3	19.9	24.1	19.4	16.6	50.0	42.6	46.9
100 to 499 lb	26.1	21.9	35.1	35.2	41.1	25.8	27.4	24.6	38.7	37.8
500 to 749 lb	21.6	19.8	S	24.3	26.6	22.5	24.4	S	38.5	39.1
750 to 999 lb	30.7	30.5	38.1	32.1	24.9	35.0	36.5	S	S	S
1,000 to 9,999 lb	21.2	17.9	26.3	20.5	21.0	19.5	18.3	42.1	35.6	35.6
10,000 to 49,999 lb	14.7	35.3	17.8	26.6	15.1	49.1	44.3	21.6	25.6	25.3
50,000 to 99,999 lb	21.2	40.7	29.7	S	33.6	49.6	41.1	36.7	21.1	21.0
100,000 lb or more	18.9	19.0	15.0	11.0	21.2	S	S	33.4	19.0	17.7
SCTG 21, Pharmaceutical products	**11.7**	**20.2**	**25.4**	**10.7**	**18.5**	**34.4**	**12.4**	**19.1**	**16.1**	**16.7**
Less than 50 lb	15.0	12.4	12.6	13.8	22.5	14.8	14.8	19.2	18.3	19.1
50 to 99 lb	17.4	12.1	21.6	15.3	21.8	14.9	13.5	34.3	25.3	26.7
100 to 499 lb	11.9	13.0	20.2	14.6	20.0	19.5	19.8	31.7	16.3	16.6
500 to 749 lb	15.4	17.9	44.4	39.6	28.1	25.5	29.6	S	43.1	42.3
750 to 999 lb	19.3	17.0	S	28.9	33.5	22.6	26.9	S	48.2	49.3
1,000 to 9,999 lb	21.3	20.3	31.0	23.9	34.8	22.5	24.5	S	32.8	33.7
10,000 to 49,999 lb	S	S	49.5	46.5	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.8	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**10.1**	**29.7**	**47.9**	**11.3**	**11.8**	**30.0**	**47.3**	**16.8**	**S**	**48.2**
Less than 50 lb	36.1	S	36.8	S	38.9	S	49.7	S	S	S
50 to 99 lb	33.9	38.6	S	S	36.6	43.3	32.7	S	S	S
100 to 499 lb	19.0	20.0	23.4	24.9	20.6	22.3	17.2	S	S	S
500 to 749 lb	20.6	21.9	31.4	25.6	24.4	24.0	25.3	S	45.7	43.4
750 to 999 lb	26.9	31.5	35.9	S	29.0	37.4	22.2	S	S	S
1,000 to 9,999 lb	14.5	15.6	15.4	8.8	15.4	16.1	14.9	22.8	23.2	29.2
10,000 to 49,999 lb	15.1	41.4	35.3	18.8	19.6	42.6	S	20.7	S	S
50,000 to 99,999 lb	12.1	28.8	29.5	12.9	12.2	23.6	40.6	25.7	S	S
100,000 lb or more	34.1	40.4	S	26.7	33.8	38.8	48.2	S	48.5	46.4
SCTG 23, Chemical products and preparations, n.e.c.	**6.5**	**11.4**	**15.8**	**13.2**	**10.4**	**13.3**	**12.9**	**18.9**	**10.0**	**10.4**
Less than 50 lb	14.6	19.6	17.9	17.7	16.3	18.6	20.6	26.7	33.6	32.8
50 to 99 lb	17.9	17.3	21.8	18.3	16.1	17.1	21.6	22.4	19.5	18.9
100 to 499 lb	15.3	16.5	11.5	13.3	14.1	18.0	21.9	S	38.8	42.2
500 to 749 lb	14.8	17.7	23.2	15.0	15.1	19.6	22.0	S	23.6	23.3
750 to 999 lb	13.7	15.5	16.9	15.6	17.2	17.4	17.0	30.6	39.1	38.3
1,000 to 9,999 lb	9.8	8.9	12.4	7.6	10.6	9.4	9.4	17.7	13.1	11.8
10,000 to 49,999 lb	13.6	19.5	13.0	16.3	19.8	23.6	23.0	18.0	15.6	16.6
50,000 to 99,999 lb	44.0	20.3	15.7	43.3	S	28.9	30.8	20.0	21.8	21.1
100,000 lb or more	S	S	49.5	17.3	S	S	S	–	–	–
SCTG 24, Plastics and rubber	**5.0**	**8.6**	**10.5**	**11.2**	**7.0**	**13.3**	**13.3**	**19.7**	**24.0**	**20.6**
Less than 50 lb	14.4	11.9	23.8	11.7	20.6	15.5	13.4	13.4	17.0	15.6
50 to 99 lb	9.4	12.0	20.5	15.7	13.7	16.6	13.6	18.5	15.9	16.4
100 to 499 lb	10.3	11.7	14.4	11.6	12.4	17.3	14.7	16.5	12.6	12.8
500 to 749 lb	15.3	14.7	17.8	13.8	23.5	21.4	24.3	15.9	17.7	20.1
750 to 999 lb	10.7	9.8	14.6	13.2	15.0	17.7	18.1	29.1	28.0	27.5
1,000 to 9,999 lb	8.3	8.9	12.9	11.9	8.3	11.1	13.3	25.1	28.2	26.6
10,000 to 49,999 lb	11.5	12.0	11.2	10.5	15.7	16.2	18.5	42.4	35.6	28.5
50,000 to 99,999 lb	45.6	49.4	25.1	S	S	S	47.3	46.7	S	S
100,000 lb or more	S	34.7	S	46.5	S	S	40.5	S	S	S
SCTG 25, Logs and other wood in the rough	**9.7**	**23.7**	**18.2**	**16.1**	**12.6**	**29.6**	**16.6**	**17.0**	**19.1**	**19.5**
Less than 50 lb	S	S	S	26.7	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	45.9	S	S	48.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	25.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.3	39.1	24.6	44.0	35.1	45.6	43.1	39.6	35.7	36.9
10,000 to 49,999 lb	15.0	26.4	23.3	33.3	22.2	31.1	40.6	36.3	35.4	37.8
50,000 to 99,999 lb	12.6	33.6	13.7	20.2	16.0	41.0	18.8	23.1	23.4	24.7
100,000 lb or more	34.0	34.5	48.2	S	45.5	39.8	43.7	44.6	44.4	41.0
SCTG 26, Wood products	**6.0**	**13.2**	**8.3**	**8.8**	**10.1**	**25.5**	**21.2**	**9.4**	**23.2**	**23.8**
Less than 50 lb	24.5	12.8	21.9	22.7	25.4	13.3	18.2	44.2	38.2	39.2
50 to 99 lb	17.6	16.4	18.9	15.6	19.5	12.8	13.2	38.5	42.8	42.5
100 to 499 lb	13.5	13.4	19.3	17.9	13.2	12.8	15.3	30.2	33.3	34.6
500 to 749 lb	11.0	12.2	22.1	19.8	14.2	15.1	12.2	32.2	30.2	32.2
750 to 999 lb	14.5	12.6	27.4	23.2	16.0	14.0	13.9	47.9	47.6	47.2
1,000 to 9,999 lb	7.0	8.2	12.5	9.9	8.1	11.2	7.4	15.7	13.2	12.9
10,000 to 49,999 lb	6.7	12.3	8.9	8.8	12.2	17.4	18.9	13.4	20.0	18.5
50,000 to 99,999 lb	10.7	16.3	9.5	9.5	18.1	24.4	25.0	13.4	27.2	23.7
100,000 lb or more	11.4	29.6	11.8	7.1	44.5	S	S	41.0	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**7.0**	**7.7**	**9.7**	**31.9**	**12.5**	**8.4**	**9.9**	**11.0**	**14.0**	**13.0**
Less than 50 lb	27.7	16.2	33.7	34.4	34.3	20.2	24.0	37.6	23.2	23.6
50 to 99 lb	28.0	28.5	22.6	S	30.9	29.8	34.8	41.2	30.4	30.1
100 to 499 lb	26.2	31.7	21.5	17.2	31.5	37.6	43.8	22.1	19.2	18.3
500 to 749 lb	28.3	30.9	18.6	44.4	34.9	36.6	43.8	28.0	25.6	27.4
750 to 999 lb	19.4	20.3	45.4	S	24.9	26.2	19.4	28.5	28.4	28.7
1,000 to 9,999 lb	15.3	8.7	26.7	24.0	20.4	10.7	10.9	15.9	13.9	15.0
10,000 to 49,999 lb	9.8	9.5	10.0	6.4	13.0	13.6	14.5	20.1	20.2	19.2
50,000 to 99,999 lb	14.9	12.5	13.6	31.0	35.6	25.3	25.6	24.7	24.8	24.0
100,000 lb or more	14.4	14.6	13.5	6.8	27.4	24.3	26.9	28.9	24.4	24.0
SCTG 28, Paper or paperboard articles	**5.9**	**26.6**	**13.1**	**14.1**	**9.2**	**40.8**	**47.0**	**13.8**	**11.7**	**11.6**
Less than 50 lb	30.9	13.6	34.7	13.5	18.1	14.1	13.7	38.0	22.5	22.1
50 to 99 lb	13.0	14.1	25.2	17.3	11.4	15.6	15.5	31.8	31.5	29.3
100 to 499 lb	12.2	14.8	18.5	19.7	16.4	18.8	17.4	21.1	21.3	21.3
500 to 749 lb	15.7	24.4	20.4	32.9	19.5	29.5	29.2	32.4	34.4	34.4
750 to 999 lb	18.5	23.3	47.7	21.5	18.4	22.8	29.6	38.5	43.8	43.4
1,000 to 9,999 lb	10.9	11.7	13.9	15.8	13.8	15.8	15.8	27.5	19.7	20.2
10,000 to 49,999 lb	9.4	38.2	16.3	17.7	19.3	S	S	15.1	15.9	15.1
50,000 to 99,999 lb	19.7	23.5	35.2	22.7	21.4	28.7	33.7	39.2	S	S
100,000 lb or more	31.8	31.6	40.0	43.8	38.0	41.4	30.3	S	S	S

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**5.9**	**10.8**	**20.9**	**12.3**	**6.0**	**12.1**	**12.2**	**20.8**	**11.7**	**11.9**
Less than 50 lb	14.2	14.9	18.7	14.9	16.7	13.5	18.3	S	S	S
50 to 99 lb	11.4	14.3	21.7	22.0	11.0	17.9	21.6	33.7	30.9	30.3
100 to 499 lb	9.7	10.8	24.9	14.7	8.9	11.8	11.3	16.0	21.9	19.2
500 to 749 lb	12.2	22.2	33.9	13.4	13.3	19.1	17.0	28.5	47.1	47.3
750 to 999 lb	14.1	19.8	40.2	15.6	20.6	23.7	22.3	33.5	28.7	27.3
1,000 to 9,999 lb	7.5	12.4	45.7	16.3	9.8	11.1	13.7	16.7	19.8	19.6
10,000 to 49,999 lb	9.8	14.6	13.5	36.3	16.4	19.0	16.9	24.8	23.1	22.1
50,000 to 99,999 lb	36.6	37.6	36.1	S	44.2	41.6	40.7	S	S	S
100,000 lb or more	48.0	S	S	S	50.0	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.6**	**12.2**	**10.3**	**4.5**	**12.9**	**13.9**	**17.2**	**12.7**	**28.8**	**29.8**
Less than 50 lb	23.6	15.1	18.1	3.4	16.0	18.1	13.0	16.8	12.6	12.6
50 to 99 lb	13.2	17.9	27.8	6.3	19.7	13.3	13.7	18.5	13.3	14.4
100 to 499 lb	9.3	10.2	12.0	10.4	18.8	21.7	20.2	17.9	17.1	15.9
500 to 749 lb	13.1	10.6	19.5	15.0	19.3	21.1	26.1	26.2	25.9	25.8
750 to 999 lb	13.3	22.0	17.5	20.9	26.6	35.6	45.6	S	39.3	39.7
1,000 to 9,999 lb	15.7	9.2	17.2	14.7	18.4	15.5	20.9	15.6	20.0	19.4
10,000 to 49,999 lb	37.5	27.0	22.7	14.8	33.3	26.3	35.8	34.1	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	20.8	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**5.3**	**11.1**	**8.4**	**17.6**	**8.8**	**14.1**	**14.4**	**11.6**	**13.8**	**15.1**
Less than 50 lb	26.1	22.7	35.2	14.5	41.2	27.1	29.5	37.6	36.1	32.3
50 to 99 lb	27.8	19.6	46.1	14.1	17.4	16.7	22.1	20.5	24.1	22.0
100 to 499 lb	17.7	14.8	30.0	14.6	20.2	16.4	14.3	22.8	28.2	27.7
500 to 749 lb	23.3	12.8	35.0	27.6	21.8	15.8	16.0	39.3	20.7	22.7
750 to 999 lb	21.5	15.7	16.9	20.9	27.8	16.4	16.7	30.1	37.2	38.7
1,000 to 9,999 lb	17.7	17.2	17.4	16.3	19.2	19.5	22.6	28.4	22.3	22.9
10,000 to 49,999 lb	7.8	14.0	7.5	9.1	12.6	15.8	15.3	16.1	19.6	19.0
50,000 to 99,999 lb	7.8	9.5	8.3	8.7	14.3	14.8	12.8	9.5	11.3	10.9
100,000 lb or more	11.2	23.6	22.0	28.3	22.8	37.0	45.2	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**9.0**	**13.8**	**14.8**	**15.0**	**9.2**	**20.2**	**18.9**	**29.9**	**34.4**	**38.4**
Less than 50 lb	31.4	27.4	S	13.8	18.3	19.7	17.3	25.4	22.8	23.4
50 to 99 lb	19.2	14.7	32.2	15.7	17.8	15.2	17.7	26.7	21.5	22.2
100 to 499 lb	15.2	10.1	21.0	20.1	13.3	11.6	14.5	24.0	14.1	13.3
500 to 749 lb	17.0	10.4	24.2	25.4	19.7	12.7	15.7	28.4	18.7	18.6
750 to 999 lb	14.4	11.1	22.2	15.8	14.7	13.1	13.1	29.5	27.5	27.2
1,000 to 9,999 lb	15.5	8.8	14.8	12.3	10.7	12.4	14.6	15.0	13.8	14.3
10,000 to 49,999 lb	11.7	13.0	19.5	13.8	14.2	14.9	15.5	34.6	33.6	37.1
50,000 to 99,999 lb	28.2	20.3	18.7	18.6	26.2	28.1	23.8	S	S	S
100,000 lb or more	25.6	41.5	14.7	13.0	S	S	S	S	S	S
SCTG 33, Articles of base metal	**7.6**	**9.5**	**13.5**	**12.1**	**9.7**	**10.8**	**11.8**	**10.8**	**14.6**	**14.4**
Less than 50 lb	14.0	11.8	18.8	14.2	22.1	17.1	23.0	19.3	19.5	18.2
50 to 99 lb	14.1	10.1	18.3	12.7	25.2	12.8	16.4	27.9	19.4	19.9
100 to 499 lb	9.8	11.4	17.5	9.8	11.7	11.2	14.3	20.2	24.5	22.8
500 to 749 lb	15.0	16.0	23.1	16.6	16.1	16.3	21.9	37.6	33.4	32.3
750 to 999 lb	14.5	15.0	15.3	18.6	16.4	20.2	28.3	21.3	21.5	22.9
1,000 to 9,999 lb	11.4	12.4	18.2	9.9	18.9	16.4	17.2	15.5	11.8	11.1
10,000 to 49,999 lb	12.8	10.9	16.8	10.4	14.6	12.3	15.8	15.9	16.8	16.7
50,000 to 99,999 lb	24.8	31.3	46.3	17.1	34.7	33.6	35.4	S	S	S
100,000 lb or more	22.7	22.8	42.7	19.7	46.0	33.4	36.2	S	S	S
SCTG 34, Machinery	**8.2**	**18.4**	**30.4**	**11.1**	**8.8**	**15.4**	**28.6**	**11.2**	**12.0**	**12.1**
Less than 50 lb	12.3	11.1	21.8	11.5	15.7	13.9	15.0	24.5	12.6	12.7
50 to 99 lb	17.8	17.1	23.6	16.8	31.8	26.3	25.6	21.6	18.9	16.3
100 to 499 lb	13.7	18.0	25.2	14.7	16.9	25.5	27.0	15.2	13.4	12.9
500 to 749 lb	14.0	14.2	15.5	13.6	19.1	20.8	33.8	44.6	35.7	35.7
750 to 999 lb	21.0	11.8	14.6	16.9	36.2	25.8	25.8	36.3	22.1	21.3
1,000 to 9,999 lb	15.4	9.9	13.9	7.1	16.0	15.0	14.1	25.5	20.8	21.8
10,000 to 49,999 lb	13.3	11.3	15.2	11.1	25.8	23.2	32.2	27.7	36.1	33.5
50,000 to 99,999 lb	S	35.5	S	20.4	S	46.3	37.5	S	S	S
100,000 lb or more	38.5	S	S	21.3	43.6	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.7**	**16.2**	**28.6**	**6.4**	**7.8**	**8.5**	**10.0**	**25.2**	**18.4**	**19.3**
Less than 50 lb	7.0	7.4	10.7	6.6	7.7	10.8	7.6	15.2	11.7	10.9
50 to 99 lb	7.9	14.7	11.1	11.8	15.0	23.6	19.3	25.2	17.4	17.0
100 to 499 lb	8.2	9.2	12.8	9.0	11.1	13.8	11.1	44.9	17.5	17.9
500 to 749 lb	16.2	12.1	20.6	9.9	18.9	12.8	12.2	27.8	32.8	33.4
750 to 999 lb	16.9	19.8	25.8	13.8	23.5	33.0	23.3	S	41.8	40.8
1,000 to 9,999 lb	20.0	29.3	48.6	8.8	13.2	11.3	12.2	S	38.6	39.5
10,000 to 49,999 lb	21.4	14.5	15.0	11.6	30.1	22.4	26.9	47.1	28.6	27.9
50,000 to 99,999 lb	S	33.3	34.8	25.0	S	S	S	S	S	S
100,000 lb or more	31.4	S	29.1	S	47.0	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)	**11.9**	**14.9**	**16.2**	**11.2**	**17.5**	**18.1**	**16.6**	**10.4**	**15.1**	**17.8**
Less than 50 lb	9.1	8.1	10.0	15.6	12.7	13.3	9.9	16.5	20.6	23.1
50 to 99 lb	10.3	11.2	19.8	16.5	15.2	19.1	20.1	17.1	13.9	15.1
100 to 499 lb	16.0	16.5	12.7	11.3	16.8	20.6	27.9	18.3	15.3	15.3
500 to 749 lb	23.7	20.3	24.4	16.7	25.5	18.2	21.3	35.3	29.1	30.1
750 to 999 lb	19.2	12.6	20.5	17.8	33.0	21.7	19.7	39.0	31.0	36.0
1,000 to 9,999 lb	13.6	10.1	9.0	11.2	18.7	17.3	20.8	18.9	29.0	32.3
10,000 to 49,999 lb	21.4	21.4	22.0	12.7	23.6	27.0	32.8	27.5	22.2	24.0
50,000 to 99,999 lb	36.6	42.1	43.2	27.3	39.7	30.2	36.1	S	S	S
100,000 lb or more	S	45.0	S	22.8	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**24.9**	**21.0**	**13.8**	**9.1**	**S**	**34.2**	**39.1**	**24.4**	**32.2**	**40.2**
Less than 50 lb	19.9	21.6	26.6	8.5	15.1	29.0	31.2	38.5	20.9	19.9
50 to 99 lb	S	14.0	23.9	13.7	19.6	30.7	31.6	S	48.2	49.1
100 to 499 lb	22.3	32.1	46.5	12.8	27.5	44.4	40.5	40.1	44.8	40.4
500 to 749 lb	49.1	35.0	S	18.7	S	44.3	42.4	S	S	S
750 to 999 lb	28.0	42.0	S	15.3	S	S	S	S	S	S
1,000 to 9,999 lb	46.7	23.4	32.1	17.6	36.6	30.0	38.9	34.1	S	S
10,000 to 49,999 lb	S	30.6	22.0	17.2	36.6	43.5	S	S	S	S
50,000 to 99,999 lb	42.8	38.9	46.9	23.4	S	S	S	–	–	–
100,000 lb or more	41.2	44.9	31.0	41.6	S	49.9	40.5	–	–	–
SCTG 38, Precision instruments and apparatus	**10.8**	**16.9**	**17.6**	**4.7**	**16.5**	**26.6**	**32.6**	**20.9**	**33.7**	**31.6**
Less than 50 lb	10.4	10.9	13.4	4.7	14.4	17.6	14.3	22.9	17.7	18.1
50 to 99 lb	22.0	16.3	15.8	9.5	28.3	28.1	31.2	S	35.4	34.1
100 to 499 lb	15.3	15.5	19.0	9.5	27.4	23.1	26.8	36.3	33.9	33.9
500 to 749 lb	17.4	21.1	25.3	15.3	34.2	39.2	40.3	43.1	S	S
750 to 999 lb	19.5	21.2	36.5	15.8	37.9	36.9	39.4	S	S	S
1,000 to 9,999 lb	20.9	28.0	28.8	17.6	35.7	39.1	45.3	S	S	S
10,000 to 49,999 lb	28.3	28.2	41.8	19.0	S	41.6	41.7	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**13.4**	**14.5**	**16.2**	**10.4**	**16.0**	**22.3**	**19.3**	**14.3**	**18.8**	**18.2**
Less than 50 lb	21.6	20.1	38.7	14.7	19.9	17.4	23.6	43.6	38.3	42.0
50 to 99 lb	34.4	24.4	46.6	13.1	18.3	15.8	16.4	S	45.4	37.7
100 to 499 lb	14.5	11.3	17.9	9.7	14.8	13.8	13.4	16.5	20.4	21.3
500 to 749 lb	17.5	11.8	14.1	10.3	18.9	16.5	14.7	20.5	18.4	18.7
750 to 999 lb	14.4	12.3	14.9	11.9	16.9	18.8	18.5	25.9	22.0	21.7
1,000 to 9,999 lb	16.1	13.0	14.3	8.8	23.1	19.0	15.3	16.9	17.5	18.8
10,000 to 49,999 lb	16.5	24.1	25.0	9.2	35.4	S	S	33.2	43.0	42.5
50,000 to 99,999 lb	S	S	S	20.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.3	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**29.1**	**27.2**	**42.8**	**5.7**	**22.2**	**17.4**	**19.6**	**S**	**S**	**46.6**
Less than 50 lb	13.7	13.5	16.7	5.6	14.7	14.1	16.7	28.1	14.0	13.9
50 to 99 lb	15.4	12.1	16.0	8.0	13.8	16.5	15.3	23.8	9.1	8.3
100 to 499 lb	9.9	12.4	9.7	11.3	17.3	20.5	24.6	18.1	31.1	30.4
500 to 749 lb	12.6	18.9	36.6	10.3	17.3	24.2	27.5	21.8	38.1	38.4
750 to 999 lb	12.2	10.5	10.7	10.7	16.8	21.1	22.5	19.6	24.9	22.6
1,000 to 9,999 lb	25.8	39.7	S	8.7	38.9	24.1	25.8	23.2	S	44.6
10,000 to 49,999 lb	S	38.6	38.4	18.7	S	25.0	23.6	S	S	S
50,000 to 99,999 lb	21.8	23.1	26.4	15.1	24.6	25.7	25.1	25.8	40.6	40.9
100,000 lb or more	36.1	S	46.7	S	39.4	S	S	S	S	S
SCTG 41, Waste and scrap	**14.4**	**16.8**	**21.3**	**27.2**	**18.0**	**19.9**	**20.5**	**26.1**	**24.6**	**30.1**
Less than 50 lb	S	S	47.6	S	S	S	S	S	S	S
50 to 99 lb	S	49.3	43.5	26.6	S	49.3	43.5	–	–	–
100 to 499 lb	31.3	28.4	S	43.9	46.1	41.4	48.5	–	–	–
500 to 749 lb	S	S	S	21.4	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	38.2	S	S	S	39.1	S	36.4	S	S	S
10,000 to 49,999 lb	15.1	19.9	23.8	24.2	20.4	24.7	28.2	35.9	25.4	24.6
50,000 to 99,999 lb	27.5	31.1	27.5	20.3	43.5	47.2	28.9	S	41.2	S
100,000 lb or more	30.1	28.4	31.9	24.6	S	40.0	45.3	S	S	S
SCTG 43, Mixed freight	**30.2**	**37.0**	**38.5**	**19.4**	**27.7**	**34.7**	**35.3**	**34.2**	**42.1**	**41.6**
Less than 50 lb	22.4	16.6	31.4	15.9	22.4	16.5	20.1	29.6	24.8	25.5
50 to 99 lb	27.6	17.4	38.7	21.4	36.2	24.5	26.9	29.8	22.8	24.4
100 to 499 lb	29.3	24.9	20.2	44.2	39.2	33.5	18.6	24.0	26.6	26.5
500 to 749 lb	14.7	15.0	24.4	37.7	16.9	17.8	23.2	20.5	19.5	21.6
750 to 999 lb	20.3	17.1	20.0	14.2	24.8	22.9	22.2	25.6	26.9	26.7
1,000 to 9,999 lb	31.7	13.3	14.3	10.0	35.2	16.6	16.3	29.0	17.3	18.3
10,000 to 49,999 lb	42.9	44.3	44.4	44.0	41.8	43.4	43.1	46.1	48.2	47.8
50,000 to 99,999 lb	S	S	S	20.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	25.0	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**21.6**	**42.1**	**29.2**	**19.9**	**39.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	21.1	29.3	27.7	21.4	40.6	39.2	43.7	S	49.2	S
50 to 99 lb	30.7	33.5	38.1	35.8	40.1	39.5	41.7	43.1	36.8	37.9
100 to 499 lb	S	49.4	26.9	S	S	40.7	48.3	49.2	S	S
500 to 749 lb	42.1	40.5	41.0	42.7	S	37.0	41.7	S	S	S
750 to 999 lb	32.7	23.9	31.4	32.4	33.1	31.7	35.9	S	S	S
1,000 to 9,999 lb	36.1	26.9	37.9	20.8	S	35.3	30.8	S	S	S
10,000 to 49,999 lb	33.0	32.4	34.1	18.9	40.9	41.5	40.0	27.7	25.1	25.5
50,000 to 99,999 lb	S	S	S	S	46.4	S	S	S	S	S
100,000 lb or more	S	S	S	41.1	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
All commodities	**8.7**	**8.2**	**7.8**	**6.8**	**10.9**	**9.7**	**3.7**	**9.1**	**8.8**	**8.9**	**11.2**	**9.9**
Less than 50 lb	5.4	12.3	12.2	4.9	4.6	4.8	5.7	5.2	5.1	8.9	5.7	5.8
50 to 99 lb	18.8	13.0	10.7	10.4	8.5	8.4	13.0	8.2	8.0	20.2	10.3	10.9
100 to 499 lb	5.6	5.9	5.8	7.5	5.4	5.1	13.2	9.2	9.3	13.6	13.9	15.0
500 to 749 lb	16.8	7.6	7.8	14.9	11.0	10.4	16.3	15.9	15.3	16.0	15.0	15.0
750 to 999 lb	12.4	7.7	8.7	13.1	6.7	6.4	19.6	13.5	13.8	22.9	13.7	13.7
1,000 to 9,999 lb	13.1	7.2	6.7	8.7	6.4	6.0	10.8	8.3	8.1	9.8	8.7	8.7
10,000 to 49,999 lb	22.6	7.7	8.3	13.6	6.0	6.4	4.7	3.2	3.3	7.7	11.4	11.7
50,000 to 99,999 lb	18.0	6.6	7.7	21.6	13.3	12.6	17.5	28.5	26.0	47.3	21.1	20.2
100,000 lb or more	16.8	20.4	18.5	20.4	23.5	20.5	19.9	24.5	22.7	49.7	18.0	14.7
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	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	–	–	–	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**29.1**	**29.1**	**30.0**	**S**	**S**	**S**	**S**	**42.6**	**39.8**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	44.6	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	46.3	48.9	S	S	S	S	47.4	47.9	49.6	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	31.1	31.4	32.3	S	S	S	S	S	S	S	S	S
SCTG 03, Other agricultural products	**13.8**	**14.3**	**13.7**	**13.3**	**22.1**	**21.7**	**22.1**	**19.0**	**19.0**	**15.7**	**16.7**	**16.7**
Less than 50 lb	S	S	S	44.7	38.4	37.9	38.6	S	S	S	S	S
50 to 99 lb	36.8	40.6	37.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.2	S	48.5	46.9	28.0	26.4	S	S	S	S	43.0	42.2
500 to 749 lb	31.7	33.9	36.2	S	36.4	36.3	31.0	45.2	45.7	S	S	S
750 to 999 lb	43.5	S	S	37.0	46.0	43.9	S	S	S	47.0	S	S
1,000 to 9,999 lb	18.5	22.8	23.9	23.2	36.3	32.8	27.7	34.1	33.0	30.0	32.1	31.9
10,000 to 49,999 lb	19.7	19.2	19.1	18.2	25.2	24.5	19.3	23.5	23.9	18.0	20.9	21.0
50,000 to 99,999 lb	30.3	28.3	32.1	45.4	48.0	49.5	S	S	S	S	S	S
100,000 lb or more	27.7	26.3	29.1	42.7	48.7	44.8	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**18.6**	**31.1**	**32.3**	**36.9**	**36.5**	**34.9**	**34.1**	**S**	**S**	**36.7**	**38.7**	**38.0**
Less than 50 lb	S	49.3	48.8	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	31.6	39.9	39.5	S	S	S	S	S	S	S	S	S
500 to 749 lb	36.8	45.4	44.9	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	49.6	48.4	48.1	–	–	–
1,000 to 9,999 lb	S	37.7	35.7	32.8	41.1	39.6	44.8	S	S	S	S	S
10,000 to 49,999 lb	25.7	42.0	41.8	34.2	35.7	34.5	34.8	33.1	32.4	S	42.9	43.4
50,000 to 99,999 lb	29.2	33.9	37.1	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.5	25.9	25.7	S	S	S	S	S	S	42.1	43.4	42.6
SCTG 05, Meat, fish, seafood, and their preparations	**14.8**	**13.8**	**13.2**	**18.7**	**20.6**	**20.0**	**18.8**	**20.0**	**20.9**	**23.9**	**27.4**	**28.7**
Less than 50 lb	36.1	37.8	32.9	S	43.9	49.4	S	S	S	S	S	S
50 to 99 lb	29.3	34.0	32.7	47.4	46.1	44.4	S	S	S	S	S	S
100 to 499 lb	18.1	17.4	18.5	22.8	24.8	25.1	36.8	29.8	29.9	44.1	44.7	44.3
500 to 749 lb	24.2	28.0	24.0	33.0	35.6	34.9	25.8	31.6	29.7	S	44.5	45.0
750 to 999 lb	16.2	18.2	17.6	35.8	40.2	41.1	S	39.5	40.2	41.9	45.8	46.9
1,000 to 9,999 lb	20.1	16.4	16.4	16.9	13.7	13.1	23.6	20.5	20.5	27.4	30.8	30.1
10,000 to 49,999 lb	25.7	25.9	25.1	28.9	30.3	29.9	26.9	24.0	25.0	26.7	24.0	24.4
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**24.5**	**28.1**	**25.9**	**17.0**	**27.2**	**26.3**	**22.1**	**23.2**	**23.1**	**22.1**	**31.3**	**32.6**
Less than 50 lb	43.0	37.6	33.7	S	S	47.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	26.5	38.0	34.0	S	S	S	S	S	S	S	S	S
500 to 749 lb	41.5	42.8	44.4	39.1	42.2	40.3	S	S	49.2	S	S	S
750 to 999 lb	31.3	42.9	48.9	44.2	S	44.9	S	S	S	48.6	46.9	45.7
1,000 to 9,999 lb	18.9	24.5	25.8	26.1	28.3	28.1	24.2	27.7	27.6	39.7	S	49.5
10,000 to 49,999 lb	32.1	37.2	34.2	17.8	17.2	16.7	25.4	25.2	25.1	26.0	26.4	26.6
50,000 to 99,999 lb	30.4	44.6	44.1	S	S	S	S	S	S	S	S	S
100,000 lb or more	47.2	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**6.8**	**16.9**	**17.5**	**11.3**	**16.1**	**16.5**	**9.9**	**10.2**	**10.2**	**16.3**	**19.8**	**19.6**
Less than 50 lb	27.6	30.8	32.6	S	S	48.8	S	37.1	35.8	43.3	45.8	45.7
50 to 99 lb	38.1	20.7	21.9	S	S	S	48.5	43.4	44.5	S	S	S
100 to 499 lb	18.5	19.5	20.4	28.1	27.8	26.7	42.0	47.6	45.4	S	S	S
500 to 749 lb	28.7	30.2	30.7	39.2	42.0	40.8	46.3	32.4	33.8	S	46.5	46.4
750 to 999 lb	26.0	32.0	34.4	30.1	S	S	S	S	S	43.4	39.6	37.3
1,000 to 9,999 lb	15.4	20.9	21.2	17.7	15.1	14.9	15.5	13.3	13.4	26.4	37.2	39.1
10,000 to 49,999 lb	10.0	17.0	18.1	13.6	14.3	13.9	12.1	12.6	12.9	12.9	15.1	15.0
50,000 to 99,999 lb	38.7	S	S	36.6	29.7	33.6	40.7	33.6	36.6	49.3	S	48.6
100,000 lb or more	44.0	47.0	S	S	S	S	35.9	34.1	33.8	S	S	S
SCTG 08, Alcoholic beverages	**39.2**	**26.1**	**25.5**	**22.3**	**27.4**	**26.8**	**22.1**	**23.4**	**22.6**	**29.6**	**36.5**	**36.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	38.6	34.8	32.7	S	S	S	S	S	S	S	S	S
100 to 499 lb	34.2	40.4	34.0	43.1	38.7	38.5	S	S	S	S	S	S
500 to 749 lb	42.7	44.3	43.3	49.4	S	S	49.5	47.7	47.9	S	S	S
750 to 999 lb	S	S	S	S	48.5	47.6	S	S	S	S	S	S
1,000 to 9,999 lb	21.7	23.0	27.0	29.8	33.0	33.6	S	S	S	40.5	29.5	28.1
10,000 to 49,999 lb	47.6	29.0	28.4	27.3	30.4	30.2	28.1	31.6	30.5	26.9	35.3	35.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	39.9	39.4	38.4	31.6	31.6	31.1	S	S	S
SCTG 09, Tobacco products	**35.5**	**30.8**	**33.8**	**45.3**	**S**	**50.0**	**42.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	36.0	38.2	38.8	S	44.2	44.8	S	S	S	S	S	S
50 to 99 lb	41.1	33.0	34.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	33.8	30.2	31.6	37.1	39.7	38.8	S	S	S	–	–	–
500 to 749 lb	S	S	S	46.1	46.2	47.7	–	–	–	–	–	–
750 to 999 lb	S	S	S	48.8	48.8	49.7	–	–	–	–	–	–
1,000 to 9,999 lb	48.9	37.1	37.4	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**49.5**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	S	41.5	43.1	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	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**22.5**	**24.2**	**26.8**	**S**	**22.3**	**24.1**	**S**	**S**	**S**	**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	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	33.2	20.2	17.6	S	35.0	33.9	–	–	–	S	S	S
50,000 to 99,999 lb	28.8	33.3	29.7	28.1	29.9	28.9	S	S	S	S	S	S
100,000 lb or more	47.0	46.0	48.2	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**36.0**	**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	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	39.8	38.4	38.9	S	S	S	S	S	S
50,000 to 99,999 lb	37.0	36.1	43.1	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**20.6**	**40.9**	**41.5**	**37.4**	**42.3**	**42.2**	**48.7**	**S**	**S**	**24.7**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	47.5	49.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	43.7	33.0	34.4
10,000 to 49,999 lb	22.9	20.3	21.1	S	S	S	S	S	S	27.3	S	S
50,000 to 99,999 lb	34.5	41.3	44.2	45.8	39.9	38.6	S	S	S	S	S	S
100,000 lb or more	40.7	S	S	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**S**	**27.6**	**27.1**	**38.2**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	46.5	49.6	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	40.3	40.7	–	–	–	S	S	S	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**24.2**	**31.3**	**29.1**	**29.7**	**31.5**	**26.0**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	S	S	S
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	46.7	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	36.9	37.1	34.3	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	32.3	33.3	33.5	38.4	35.4	35.8	S	S	S	–	–	–
100,000 lb or more	37.4	43.8	42.4	38.9	41.3	33.4	–	–	–	–	–	–
SCTG 18, Fuel oils	**43.1**	**36.3**	**41.6**	**41.7**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	32.6	33.0	34.0	49.3	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	43.1	35.3	34.1	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	44.9	S	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**22.2**	**28.1**	**31.5**	**S**	**S**	**S**	**19.1**	**34.9**	**35.9**	**26.0**	**28.0**	**28.1**
Less than 50 lb	S	S	S	43.3	43.5	46.7	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	40.3	43.2	43.6	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	34.3	36.7	37.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34.6	25.4	25.9	46.9	36.7	40.6	28.5	23.3	24.6	32.9	27.1	27.0
50,000 to 99,999 lb	28.1	23.7	25.0	S	47.6	47.7	S	S	S	–	–	–
100,000 lb or more	45.3	44.4	47.1	S	S	S	39.9	43.7	45.1	34.6	32.2	32.0
SCTG 20, Basic chemicals	**14.1**	**15.6**	**15.4**	**19.1**	**17.2**	**17.1**	**23.9**	**21.3**	**20.7**	**37.5**	**19.8**	**19.9**
Less than 50 lb	47.6	47.5	47.8	37.6	41.3	40.7	44.1	S	S	S	S	S
50 to 99 lb	38.5	41.7	43.4	47.7	S	S	S	S	S	S	S	S
100 to 499 lb	49.5	44.6	47.6	38.8	38.7	42.2	42.2	48.6	S	S	32.9	33.5
500 to 749 lb	44.8	S	S	S	S	S	45.7	34.0	33.1	S	46.2	44.3
750 to 999 lb	S	S	S	36.0	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.2	18.2	18.8	30.5	24.9	25.0	33.2	46.4	47.9	S	27.9	28.6
10,000 to 49,999 lb	19.1	22.6	23.0	23.5	20.2	20.4	43.9	37.7	37.1	36.4	28.3	30.1
50,000 to 99,999 lb	25.9	20.2	19.3	38.8	36.6	37.2	S	S	S	S	S	S
100,000 lb or more	37.7	33.3	34.0	30.8	31.6	30.0	41.0	37.5	36.9	43.9	36.5	36.1
SCTG 21, Pharmaceutical products	**16.7**	**18.5**	**18.5**	**14.2**	**28.8**	**26.8**	**29.1**	**S**	**32.3**	**36.7**	**38.1**	**34.3**
Less than 50 lb	19.3	17.6	17.5	24.4	25.2	22.8	31.0	28.3	25.5	34.4	21.0	22.9
50 to 99 lb	22.6	19.8	21.0	32.1	29.2	26.4	S	46.3	44.7	41.2	31.8	32.3
100 to 499 lb	17.9	16.6	17.5	19.9	27.0	28.8	44.5	S	S	42.2	49.0	34.3
500 to 749 lb	S	45.2	42.7	35.6	42.0	40.3	31.4	33.2	32.0	S	S	S
750 to 999 lb	41.4	41.7	44.7	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.1	42.2	39.1	35.7	34.1	33.1	S	S	43.4	S	36.3	36.4
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**20.3**	**28.2**	**27.5**	**29.6**	**33.2**	**33.9**	**41.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	48.5	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.1	38.9	S	S	S	S	48.9	49.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	23.3	29.3	31.9	48.7	27.4	26.1	S	S	S	S	S	S
10,000 to 49,999 lb	28.5	40.6	40.5	37.1	39.5	37.6	S	44.0	43.7	S	S	S
50,000 to 99,999 lb	29.6	30.3	28.5	46.7	40.6	42.1	S	S	S	–	–	–
100,000 lb or more	42.8	42.1	41.7	S	S	S	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**24.2**	**15.4**	**14.0**	**12.7**	**24.6**	**23.8**	**19.2**	**23.1**	**22.6**	**17.8**	**21.9**	**21.0**
Less than 50 lb	39.2	41.1	44.0	37.6	32.6	33.3	41.0	38.0	36.9	S	44.4	44.6
50 to 99 lb	34.2	38.4	37.4	31.0	36.3	39.4	S	46.5	45.0	43.7	42.0	42.0
100 to 499 lb	28.5	25.6	24.1	23.0	20.1	20.9	37.9	32.2	31.2	27.8	20.0	20.4
500 to 749 lb	44.8	28.7	33.4	S	41.3	40.1	S	34.8	35.8	47.4	S	S
750 to 999 lb	S	47.3	S	26.5	34.9	35.8	S	S	S	48.2	45.3	45.5
1,000 to 9,999 lb	44.9	22.6	17.6	22.0	24.0	22.4	25.9	12.1	11.4	29.3	21.1	21.0
10,000 to 49,999 lb	17.9	21.3	20.1	21.2	31.9	31.1	27.7	30.1	29.4	26.2	31.4	30.4
50,000 to 99,999 lb	22.8	23.8	25.0	35.4	48.2	49.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**8.8**	**19.5**	**18.9**	**8.8**	**9.0**	**9.2**	**12.2**	**13.5**	**13.5**	**13.2**	**18.5**	**18.1**
Less than 50 lb	19.5	13.5	12.7	30.9	21.7	22.0	31.3	22.5	22.5	28.8	29.1	28.6
50 to 99 lb	18.6	16.9	17.1	26.9	26.3	29.5	37.0	31.7	32.4	30.8	35.5	35.3
100 to 499 lb	17.0	13.3	14.7	20.6	19.1	18.9	25.0	14.5	15.8	32.0	27.9	29.1
500 to 749 lb	25.1	20.6	18.5	21.8	26.0	28.8	30.5	31.8	29.9	30.6	30.6	28.3
750 to 999 lb	23.7	23.2	21.9	25.7	26.2	25.9	49.0	37.1	35.2	35.0	32.1	32.3
1,000 to 9,999 lb	11.1	13.9	16.1	13.8	14.3	15.0	25.3	19.1	18.9	18.6	24.9	24.3
10,000 to 49,999 lb	18.1	35.3	33.1	13.0	13.1	13.3	17.2	18.9	19.3	24.7	23.9	23.6
50,000 to 99,999 lb	32.1	43.3	44.8	40.5	48.8	43.9	S	S	S	S	S	S
100,000 lb or more	47.2	45.8	48.1	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**25.7**	**21.8**	**26.2**	**30.3**	**30.2**	**31.5**	**35.3**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	41.2	36.5	34.9	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.6	36.5	35.9	34.8	34.5	35.2	36.6	39.0	38.4	S	S	S
50,000 to 99,999 lb	24.3	19.4	19.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	49.7	47.7	47.5
SCTG 26, Wood products	**13.3**	**14.8**	**14.7**	**8.4**	**28.7**	**27.0**	**8.2**	**10.1**	**11.3**	**11.9**	**12.0**	**12.0**
Less than 50 lb	40.7	30.5	30.0	S	28.8	27.9	42.8	S	S	46.5	41.6	43.7
50 to 99 lb	S	S	S	35.7	30.2	29.9	37.6	33.7	34.5	S	S	S
100 to 499 lb	27.6	25.0	22.7	37.9	32.6	34.0	34.2	38.4	40.3	40.6	S	48.0
500 to 749 lb	27.4	26.2	27.5	31.8	28.7	28.2	48.7	S	S	S	S	S
750 to 999 lb	40.6	29.7	28.9	41.6	37.1	41.2	S	S	S	S	41.0	41.9
1,000 to 9,999 lb	17.3	15.0	16.4	16.0	13.9	13.5	31.0	S	S	21.6	19.7	19.4
10,000 to 49,999 lb	10.3	15.8	18.9	10.8	16.7	14.9	9.1	9.6	9.8	14.8	17.1	17.2
50,000 to 99,999 lb	22.6	21.5	21.2	7.3	10.0	10.6	16.2	17.2	17.2	21.3	25.5	26.9
100,000 lb or more	39.3	27.6	23.8	19.6	S	S	14.1	15.6	18.5	15.4	12.2	12.9
SCTG 27, Pulp, newsprint, paper, and paperboard	**15.3**	**15.2**	**16.1**	**8.2**	**9.4**	**10.6**	**19.2**	**22.5**	**23.2**	**14.9**	**14.1**	**14.4**
Less than 50 lb	33.3	23.2	24.1	46.6	22.7	27.5	36.7	34.6	35.7	38.9	42.1	42.7
50 to 99 lb	S	S	S	36.4	37.0	42.4	S	S	S	S	S	S
100 to 499 lb	25.6	20.7	22.4	34.9	36.1	39.1	41.7	43.8	S	S	48.3	48.8
500 to 749 lb	S	35.8	33.0	35.7	35.6	38.8	44.0	36.0	39.8	S	S	S
750 to 999 lb	39.0	29.8	31.9	38.0	42.0	42.2	44.8	45.6	43.3	S	S	S
1,000 to 9,999 lb	19.3	21.4	20.0	19.6	21.1	21.7	33.5	31.0	29.8	34.6	31.3	31.4
10,000 to 49,999 lb	23.0	20.0	22.8	14.5	12.0	12.8	13.0	13.0	12.9	16.1	16.6	17.4
50,000 to 99,999 lb	20.3	17.9	18.1	36.2	32.7	32.7	41.5	42.5	43.6	41.3	41.1	42.9
100,000 lb or more	25.8	27.3	29.1	18.4	17.2	17.2	32.7	33.3	33.3	19.5	17.7	17.9
SCTG 28, Paper or paperboard articles	**9.2**	**9.9**	**10.6**	**11.5**	**24.7**	**30.6**	**13.2**	**15.5**	**16.3**	**12.2**	**10.6**	**10.6**
Less than 50 lb	28.4	23.3	23.2	25.7	22.7	22.3	38.1	34.0	32.9	26.1	20.2	20.3
50 to 99 lb	33.6	32.8	35.2	42.3	36.9	37.6	43.8	S	45.4	47.2	S	S
100 to 499 lb	22.9	24.1	27.1	20.2	16.9	16.8	41.9	30.5	30.5	39.1	33.1	32.7
500 to 749 lb	33.3	38.8	36.0	31.6	34.2	35.9	44.0	35.6	32.9	44.6	33.9	35.6
750 to 999 lb	36.3	33.6	36.0	36.9	47.9	47.9	38.4	38.8	39.0	S	S	S
1,000 to 9,999 lb	20.5	25.0	25.2	16.1	23.7	23.1	20.4	21.9	23.2	S	37.1	37.5
10,000 to 49,999 lb	11.0	10.9	10.8	13.5	29.6	35.5	14.1	14.7	14.7	12.0	12.0	12.2
50,000 to 99,999 lb	S	36.5	33.9	34.9	43.5	38.1	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**24.3**	**15.3**	**15.0**	**7.0**	**16.7**	**21.0**	**10.3**	**15.9**	**15.6**	**14.4**	**26.1**	**30.1**
Less than 50 lb	49.8	S	S	11.6	15.4	15.5	20.1	17.5	17.6	17.7	17.4	17.1
50 to 99 lb	29.4	26.4	27.6	21.6	32.2	29.0	23.5	27.1	26.0	43.4	32.9	32.3
100 to 499 lb	41.6	14.0	13.7	16.9	21.2	20.5	24.4	22.6	22.1	26.6	19.7	19.0
500 to 749 lb	23.2	22.0	24.1	25.9	46.4	43.6	41.1	S	S	36.2	27.6	27.7
750 to 999 lb	27.6	27.4	26.5	22.9	22.5	22.6	49.1	36.0	35.7	S	27.3	28.8
1,000 to 9,999 lb	15.6	14.4	16.1	13.6	16.1	15.8	16.9	15.5	15.9	20.5	23.6	24.1
10,000 to 49,999 lb	33.2	28.0	28.4	20.7	16.3	16.8	24.1	26.2	26.2	27.8	39.5	44.9
50,000 to 99,999 lb	S	35.1	37.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**37.4**	**40.7**	**44.1**	**32.4**	**29.2**	**29.1**	**18.6**	**18.2**	**18.8**	**25.0**	**20.9**	**22.4**
Less than 50 lb	29.2	15.6	14.5	30.0	17.5	18.3	23.6	14.6	14.7	15.9	9.0	9.7
50 to 99 lb	13.6	12.4	12.1	23.1	20.6	17.5	35.6	26.2	26.5	24.0	21.6	23.6
100 to 499 lb	22.1	19.9	21.4	15.0	17.8	17.4	20.1	17.2	17.0	17.7	21.1	21.5
500 to 749 lb	29.8	21.7	24.4	30.0	23.2	22.6	33.8	28.7	28.3	46.7	S	S
750 to 999 lb	39.4	33.4	36.9	30.2	30.2	32.0	46.8	36.8	38.0	31.3	S	S
1,000 to 9,999 lb	S	28.0	26.1	18.2	21.8	23.8	45.2	28.8	29.1	35.0	21.4	21.5
10,000 to 49,999 lb	S	S	S	S	S	S	46.2	45.4	47.1	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**8.5**	**8.5**	**9.8**	**10.6**	**16.7**	**18.0**	**11.9**	**18.5**	**20.0**	**16.1**	**12.0**	**12.7**
Less than 50 lb	17.4	22.3	23.6	29.6	28.6	30.0	29.5	35.7	35.4	34.2	36.3	36.1
50 to 99 lb	40.4	25.0	29.0	S	43.3	43.4	S	S	S	S	45.8	48.1
100 to 499 lb	21.0	21.2	22.3	21.1	25.6	25.2	31.9	26.5	27.9	S	46.0	46.2
500 to 749 lb	23.7	25.2	27.1	43.4	34.4	33.0	49.6	40.3	41.0	S	S	S
750 to 999 lb	S	37.5	40.8	47.1	45.6	45.4	46.7	40.3	39.4	S	S	S
1,000 to 9,999 lb	33.3	22.9	26.4	21.0	19.1	17.8	19.1	22.7	22.0	47.1	28.8	29.1
10,000 to 49,999 lb	12.1	11.6	10.9	11.6	8.2	7.9	13.4	14.0	14.3	12.4	13.0	13.1
50,000 to 99,999 lb	11.0	12.2	13.7	24.7	17.9	18.5	S	S	S	35.6	44.5	48.5
100,000 lb or more	37.0	36.2	40.9	46.8	45.1	45.1	S	47.2	49.3	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**10.6**	**13.4**	**13.4**	**14.0**	**19.8**	**18.8**	**13.6**	**19.2**	**18.7**	**19.7**	**17.6**	**17.8**
Less than 50 lb	28.1	26.0	24.2	28.3	24.6	24.1	S	39.2	39.0	36.6	30.2	30.0
50 to 99 lb	28.1	20.4	20.4	34.0	27.0	26.5	32.0	32.3	31.1	34.0	31.5	31.0
100 to 499 lb	26.1	14.1	15.5	28.0	28.0	26.6	41.1	38.2	38.2	30.1	35.8	37.0
500 to 749 lb	23.0	9.9	9.9	36.3	25.2	25.6	S	S	S	30.3	35.8	34.4
750 to 999 lb	21.1	15.7	15.1	26.1	21.7	21.1	41.5	42.0	40.7	31.2	33.2	31.8
1,000 to 9,999 lb	10.7	12.0	13.3	11.5	10.9	10.3	35.2	28.6	27.9	32.1	24.2	23.8
10,000 to 49,999 lb	16.5	13.1	13.4	24.4	25.8	25.3	15.3	18.3	17.5	37.0	14.2	14.3
50,000 to 99,999 lb	29.5	33.8	29.3	44.1	28.0	27.8	S	39.2	40.7	S	S	S
100,000 lb or more	S	S	S	38.2	34.7	36.0	41.0	36.0	34.9	23.4	30.4	28.9
SCTG 33, Articles of base metal	**10.9**	**15.1**	**13.6**	**11.6**	**18.5**	**18.3**	**8.9**	**12.8**	**12.5**	**15.7**	**22.1**	**22.6**
Less than 50 lb	18.6	16.0	13.3	15.9	17.8	17.8	15.1	19.4	18.8	30.5	28.1	28.4
50 to 99 lb	23.9	26.5	31.3	29.2	27.7	28.2	29.9	31.2	30.2	43.7	27.3	26.5
100 to 499 lb	14.3	13.4	13.5	15.6	19.7	18.7	21.3	19.3	20.5	16.3	29.9	29.8
500 to 749 lb	24.2	26.6	24.9	19.7	20.6	19.9	29.7	37.0	32.2	36.3	25.7	27.1
750 to 999 lb	35.5	18.4	18.6	26.6	24.0	23.2	42.8	44.4	42.6	33.0	29.0	27.8
1,000 to 9,999 lb	17.9	16.8	14.8	18.7	20.5	21.4	18.2	18.7	19.4	22.5	32.5	32.9
10,000 to 49,999 lb	17.2	17.2	15.5	17.5	21.1	20.5	14.4	17.6	17.1	25.1	29.7	29.9
50,000 to 99,999 lb	44.2	32.6	32.1	38.9	S	S	41.6	44.5	44.3	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	48.0	49.8	S	S	S
SCTG 34, Machinery	**14.4**	**10.2**	**10.2**	**10.1**	**18.1**	**16.7**	**23.6**	**21.9**	**22.1**	**18.5**	**25.6**	**25.7**
Less than 50 lb	10.0	13.8	13.3	23.4	19.8	22.7	16.2	18.2	19.8	19.5	23.1	24.1
50 to 99 lb	16.3	19.8	22.3	S	24.0	21.4	S	19.7	20.6	S	S	S
100 to 499 lb	20.6	13.7	13.7	14.9	13.7	13.6	25.9	24.7	23.2	41.2	S	S
500 to 749 lb	25.3	25.6	28.8	26.2	31.1	27.8	40.8	31.3	27.0	42.9	S	S
750 to 999 lb	30.7	26.7	27.6	32.0	36.7	35.7	34.2	25.4	26.1	42.2	S	S
1,000 to 9,999 lb	18.1	19.9	21.5	23.5	27.2	26.4	37.7	21.6	22.2	26.0	31.8	32.2
10,000 to 49,999 lb	S	19.3	18.4	28.7	27.0	24.5	46.9	37.3	35.6	33.4	32.5	34.3
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**22.5**	**15.8**	**16.3**	**15.6**	**29.7**	**29.7**	**11.5**	**30.3**	**29.6**	**17.2**	**15.6**	**16.1**
Less than 50 lb	11.3	21.9	21.5	9.9	10.2	10.1	11.6	13.6	13.7	20.7	12.7	12.6
50 to 99 lb	47.3	S	44.4	22.2	15.5	15.3	23.0	15.2	14.1	20.8	12.6	14.0
100 to 499 lb	17.9	20.5	20.2	15.6	16.3	16.5	22.0	22.2	22.7	30.6	15.1	15.1
500 to 749 lb	27.7	31.4	28.7	25.3	26.4	27.0	45.2	32.7	32.1	36.0	22.4	23.4
750 to 999 lb	28.7	30.5	30.1	26.2	29.7	28.7	39.5	27.6	28.4	S	41.5	41.8
1,000 to 9,999 lb	S	27.8	30.3	19.4	34.1	35.1	29.2	S	S	28.8	27.4	28.3
10,000 to 49,999 lb	35.0	21.9	23.8	S	37.8	36.8	47.8	36.9	41.1	37.1	29.3	28.5
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	–	–	–

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)	**23.1**	**17.1**	**15.2**	**17.9**	**34.6**	**33.7**	**23.8**	**30.9**	**29.9**	**21.9**	**15.4**	**15.5**
Less than 50 lb	16.8	17.6	17.8	22.6	16.6	17.4	25.5	25.6	25.7	21.1	23.8	23.6
50 to 99 lb	27.8	21.4	22.0	35.2	40.9	38.6	35.1	31.9	32.0	35.1	37.7	37.6
100 to 499 lb	37.4	32.8	27.8	19.4	14.2	15.0	25.2	21.3	20.3	30.8	24.5	25.0
500 to 749 lb	S	49.3	S	S	46.0	42.2	28.6	31.4	29.2	S	48.3	39.8
750 to 999 lb	42.3	37.6	35.7	47.0	32.5	31.5	40.1	33.4	32.9	38.4	S	S
1,000 to 9,999 lb	18.7	18.4	20.4	22.0	16.2	15.3	25.9	34.0	34.9	S	23.6	23.6
10,000 to 49,999 lb	25.6	31.8	25.6	35.2	45.6	45.7	43.2	S	S	33.9	27.9	27.6
50,000 to 99,999 lb	49.5	36.4	39.6	45.3	46.0	46.0	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**25.3**	**24.7**	**28.5**	**30.6**	**S**	**S**	**39.7**	**S**	**S**	**49.4**	**25.7**	**24.9**
Less than 50 lb	27.2	17.6	16.3	47.2	33.4	29.5	38.1	23.1	23.4	32.0	30.1	30.2
50 to 99 lb	34.8	36.4	36.9	33.8	37.2	36.7	S	S	S	25.7	27.4	27.2
100 to 499 lb	S	S	S	43.5	S	S	S	41.0	42.4	24.7	34.4	33.8
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	33.4	33.4
750 to 999 lb	S	S	S	48.3	S	S	S	S	S	44.3	41.6	42.7
1,000 to 9,999 lb	S	S	S	S	39.6	39.2	S	S	S	S	42.7	43.2
10,000 to 49,999 lb	45.4	28.2	25.8	S	S	S	S	42.7	42.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	S	S	S
SCTG 38, Precision instruments and apparatus	**19.5**	**S**	**S**	**17.3**	**40.7**	**42.7**	**19.8**	**27.6**	**27.3**	**29.7**	**46.2**	**45.3**
Less than 50 lb	22.2	26.9	25.3	17.2	17.7	16.7	13.2	17.4	17.3	14.9	14.0	14.4
50 to 99 lb	47.2	27.3	30.0	42.0	30.8	29.9	29.0	25.9	24.2	S	40.8	38.7
100 to 499 lb	36.5	28.5	33.5	42.0	30.1	29.8	46.9	25.4	29.4	32.3	30.3	30.3
500 to 749 lb	38.8	S	S	46.8	44.2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	45.4	45.8	S	49.8	S	S	S	S
1,000 to 9,999 lb	28.3	S	S	36.6	S	S	37.8	47.1	45.3	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	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**19.1**	**17.2**	**17.6**	**25.3**	**17.6**	**17.0**	**22.3**	**15.7**	**15.4**	**19.8**	**21.5**	**22.1**
Less than 50 lb	28.1	21.7	20.1	28.7	27.7	28.8	S	35.3	35.8	S	S	S
50 to 99 lb	S	33.3	31.9	29.4	20.9	22.3	31.2	24.9	24.6	39.5	31.3	31.9
100 to 499 lb	18.3	18.6	16.9	34.7	17.5	17.2	26.8	18.2	18.1	39.9	46.2	S
500 to 749 lb	41.9	26.9	32.2	30.7	23.5	22.7	S	40.2	37.2	41.8	40.4	40.5
750 to 999 lb	19.0	16.7	17.7	36.1	43.7	42.2	45.4	36.6	37.2	S	39.4	38.4
1,000 to 9,999 lb	22.5	25.2	26.3	41.7	25.3	24.3	21.8	18.6	19.3	30.8	24.6	24.2
10,000 to 49,999 lb	26.5	14.0	14.4	27.9	33.7	34.6	41.8	35.1	33.8	30.7	34.3	34.3
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**S**	**35.9**	**36.0**	**38.7**	**35.1**	**31.7**	**13.6**	**27.5**	**28.3**	**17.6**	**S**	**S**
Less than 50 lb	21.0	11.3	10.8	22.0	18.5	19.8	17.4	27.6	27.7	25.1	16.5	16.7
50 to 99 lb	38.7	15.5	16.8	26.8	34.6	34.5	32.3	23.5	24.8	S	39.0	39.7
100 to 499 lb	20.1	13.8	14.3	15.7	13.8	14.0	37.8	21.8	22.5	24.2	15.2	16.2
500 to 749 lb	41.8	18.2	18.4	27.6	30.9	31.1	24.4	22.7	25.0	29.1	27.9	27.3
750 to 999 lb	S	38.4	40.5	36.4	17.6	17.8	33.8	33.8	37.3	30.1	47.2	48.2
1,000 to 9,999 lb	46.1	38.8	38.7	S	48.2	41.8	33.7	42.2	43.6	34.4	47.4	48.3
10,000 to 49,999 lb	S	S	S	S	39.7	37.3	23.2	29.7	30.2	39.5	S	S
50,000 to 99,999 lb	30.2	S	49.8	20.0	37.0	35.6	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**20.6**	**25.1**	**26.0**	**30.4**	**41.8**	**43.6**	**27.8**	**36.8**	**36.2**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	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	31.4	37.6	36.8	38.6	S	S	34.4	32.1	32.3	40.5	S	S
50,000 to 99,999 lb	32.2	39.4	44.6	46.3	23.5	25.0	S	44.2	44.9	S	S	S
100,000 lb or more	S	42.7	40.1	33.8	34.1	33.8	37.0	40.4	39.5	S	S	S
SCTG 43, Mixed freight	**43.9**	**45.4**	**49.6**	**39.3**	**45.0**	**46.7**	**45.6**	**26.9**	**26.8**	**37.0**	**46.8**	**48.1**
Less than 50 lb	47.2	21.9	22.3	S	44.2	43.8	S	38.3	36.7	41.5	31.6	31.6
50 to 99 lb	46.3	40.8	36.6	39.9	36.5	36.9	S	S	S	S	46.7	46.7
100 to 499 lb	30.2	23.8	22.7	26.7	24.3	24.5	38.3	32.1	32.9	44.3	30.2	31.0
500 to 749 lb	23.5	29.6	26.9	30.1	31.3	32.4	39.6	42.2	42.4	S	S	S
750 to 999 lb	S	21.9	22.4	27.1	24.8	28.3	43.7	S	S	S	S	S
1,000 to 9,999 lb	15.6	17.5	16.2	S	23.9	23.3	S	36.7	37.1	S	S	S
10,000 to 49,999 lb	49.3	47.5	S	42.7	46.1	47.2	46.9	44.4	44.0	S	S	48.8
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**27.1**	**29.8**	**34.4**	**22.4**	**48.6**	**47.9**	**31.4**	**S**	**S**	**42.2**	**S**	**S**
Less than 50 lb	37.3	38.9	40.4	36.0	41.3	41.0	S	33.1	31.9	40.1	S	S
50 to 99 lb	S	49.6	S	S	S	S	S	S	S	S	45.7	46.9
100 to 499 lb	S	S	S	48.0	31.6	31.4	45.1	37.2	38.5	S	44.0	44.2
500 to 749 lb	S	S	45.0	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.7	43.4	47.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.5	29.0	29.0	49.8	37.4	36.3	33.1	S	S	41.6	35.8	36.2
10,000 to 49,999 lb	48.8	39.0	34.3	S	S	S	47.6	S	47.2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	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	**7.2**	**11.5**	**10.7**	**6.1**	**8.5**	**8.2**	**6.2**	**3.5**	**3.7**
Less than 50 lb	7.0	6.6	6.8	8.3	7.4	7.4	5.7	7.2	7.1
50 to 99 lb	9.2	11.0	13.6	10.3	13.9	14.1	24.2	5.5	5.4
100 to 499 lb	12.4	7.6	8.1	8.1	9.9	9.5	8.4	4.0	4.3
500 to 749 lb	17.6	14.6	14.7	22.5	14.7	14.1	9.6	14.9	14.4
750 to 999 lb	16.4	10.1	9.7	31.3	20.5	20.3	16.8	9.4	9.8
1,000 to 9,999 lb	13.9	23.3	22.8	13.6	16.3	16.0	15.0	16.2	16.5
10,000 to 49,999 lb	10.2	5.6	5.3	16.0	4.1	4.3	8.8	6.0	6.4
50,000 to 99,999 lb	21.1	20.3	20.8	38.5	22.6	22.1	41.1	15.4	15.5
100,000 lb or more	44.8	27.4	25.2	30.8	21.9	20.3	35.0	11.1	10.8
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	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 03, Other agricultural products	**12.3**	**9.5**	**9.5**	**11.5**	**12.6**	**12.5**	**14.3**	**14.2**	**13.8**
Less than 50 lb	S	S	S	S	S	S	30.1	41.1	45.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	40.2	39.6	48.8	S	S	41.2	S	S
500 to 749 lb	40.9	43.5	42.5	S	48.4	47.9	33.8	39.2	41.0
750 to 999 lb	S	41.5	42.0	S	46.3	44.7	S	44.3	44.2
1,000 to 9,999 lb	22.8	33.1	33.9	16.9	30.6	30.8	20.0	28.7	29.0
10,000 to 49,999 lb	15.1	9.8	10.1	12.2	13.3	13.3	17.3	14.3	13.8
50,000 to 99,999 lb	S	47.2	46.3	S	42.6	45.8	47.8	S	S
100,000 lb or more	41.2	43.4	39.7	49.1	35.5	35.8	32.8	30.9	29.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**48.1**	**47.3**	**S**	**47.9**	**47.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	48.9	49.8	S	34.6	35.0	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**23.2**	**35.3**	**37.8**	**30.0**	**26.0**	**26.4**	**30.8**	**32.5**	**30.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	49.5	S	S	S	S	S
100 to 499 lb	29.1	28.3	27.6	47.6	32.0	31.3	35.2	32.9	33.5
500 to 749 lb	45.9	35.8	38.2	48.6	31.5	30.4	42.1	28.1	29.8
750 to 999 lb	43.0	43.3	41.0	S	45.6	46.7	S	40.8	41.2
1,000 to 9,999 lb	22.9	25.6	24.5	33.5	28.2	28.3	35.5	29.0	28.5
10,000 to 49,999 lb	28.3	34.6	35.6	30.9	30.6	30.5	47.1	43.3	40.8
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	46.6	38.5	38.8	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**20.7**	**30.7**	**31.4**	**21.0**	**35.6**	**37.4**	**20.6**	**21.8**	**22.4**
Less than 50 lb	S	S	S	S	S	S	S	47.6	47.7
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	37.5	37.8
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.9	25.2	26.8	33.2	32.3	33.5	46.0	S	S
10,000 to 49,999 lb	19.8	22.4	21.0	20.0	18.6	18.6	21.4	19.3	19.6
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	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	**11.0**	**11.6**	**11.0**	**24.8**	**13.8**	**13.4**	**9.5**	**13.6**	**14.1**
Less than 50 lb	S	40.7	40.2	34.2	28.5	28.1	33.2	28.9	28.4
50 to 99 lb	46.4	42.9	41.7	36.1	37.2	36.6	30.5	28.6	29.1
100 to 499 lb	50.0	45.6	45.5	36.2	36.5	39.7	36.4	38.2	39.4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	45.1	35.1	36.0	S	S	S
1,000 to 9,999 lb	12.8	17.6	16.6	23.7	24.1	23.9	26.5	20.2	20.2
10,000 to 49,999 lb	14.4	15.9	15.3	30.8	12.3	12.4	8.3	9.1	9.9
50,000 to 99,999 lb	48.5	41.1	43.6	35.2	37.9	36.0	32.2	32.7	31.7
100,000 lb or more	20.4	17.1	17.6	16.8	18.3	17.3	20.5	27.9	27.9
SCTG 08, Alcoholic beverages	**20.9**	**25.9**	**26.5**	**33.9**	**39.3**	**39.7**	**28.6**	**33.9**	**35.1**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	40.3	39.8
500 to 749 lb	S	S	S	S	S	49.9	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.5	43.3	46.1	38.9	42.0	41.0	S	S	S
10,000 to 49,999 lb	21.6	26.3	27.0	36.3	42.2	42.5	25.5	22.4	23.0
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 09, Tobacco products	**S**	**S**	**S**	**S**	**S**	**S**	**44.3**	**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	–	–	–	–	–	–	–	–	–
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
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**–**	**–**	**–**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	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	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**36.2**	**37.3**	**38.5**	**23.7**	**S**	**S**	**25.4**	**49.4**	**47.0**
Less than 50 lb	S	S	S	S	S	S	47.7	47.5	47.4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	36.7	36.7	25.2	S	S	28.6	39.7	36.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.4	47.9	45.6	43.9	42.9	43.0

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	41.2	41.4
100 to 499 lb	–	–	–	S	S	S	S	48.7	49.0
500 to 749 lb	–	–	–	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	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 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**S**	**49.7**	**49.4**	**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	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
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 19, Coal and petroleum products, n.e.c.	**35.9**	**41.2**	**40.5**	**37.1**	**S**	**S**	**47.2**	**33.3**	**33.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	41.0	45.6	45.3	37.2	46.2	S	S	44.3	44.7
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**26.7**	**23.8**	**22.5**	**19.0**	**16.2**	**16.3**	**28.7**	**23.4**	**23.7**
Less than 50 lb	32.8	36.6	35.7	34.4	30.7	30.7	28.9	33.5	32.9
50 to 99 lb	S	S	S	39.7	39.0	38.8	40.1	S	S
100 to 499 lb	S	S	S	40.5	S	S	34.9	43.5	45.2
500 to 749 lb	40.5	36.7	37.2	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	33.6	38.6	41.4	36.5	43.6	43.0	S	42.3	43.6
10,000 to 49,999 lb	S	36.8	37.2	34.1	30.5	29.5	27.6	28.0	28.3
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	35.4	33.6	31.7	19.6	19.3	27.8	32.5	32.0
SCTG 21, Pharmaceutical products	**25.2**	**39.0**	**35.8**	**13.7**	**S**	**S**	**15.7**	**25.7**	**25.7**
Less than 50 lb	30.1	43.3	46.5	19.0	17.7	16.1	16.9	11.7	12.2
50 to 99 lb	S	37.5	38.0	39.7	S	S	30.8	24.6	24.1
100 to 499 lb	39.4	S	S	40.6	28.4	28.3	26.0	21.2	21.9
500 to 749 lb	S	S	S	S	48.1	S	S	39.5	39.6
750 to 999 lb	S	S	S	S	42.0	44.0	S	S	S
1,000 to 9,999 lb	S	S	S	42.1	29.3	29.1	49.1	48.4	48.6
10,000 to 49,999 lb	46.1	42.4	44.5	S	S	S	S	37.8	37.7
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 22, Fertilizers	**S**	**S**	**S**	**S**	**S**	**S**	**40.5**	**45.5**	**45.9**
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
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	41.7	45.7	46.1
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**21.3**	**S**	**S**	**16.1**	**21.3**	**21.7**	**12.8**	**17.1**	**18.5**
Less than 50 lb	38.0	46.6	44.2	40.6	25.0	24.9	26.2	21.9	21.5
50 to 99 lb	40.4	40.9	39.1	29.6	23.6	23.9	40.9	35.9	34.9
100 to 499 lb	44.3	22.0	24.9	24.3	25.9	25.7	28.2	25.6	25.6
500 to 749 lb	49.6	48.8	47.7	32.9	24.5	24.7	49.8	33.7	33.8
750 to 999 lb	S	44.1	44.5	41.9	34.6	34.8	27.0	28.5	29.1
1,000 to 9,999 lb	18.8	20.4	20.7	18.7	22.0	22.5	24.6	22.9	23.2
10,000 to 49,999 lb	24.2	25.9	26.2	27.1	32.6	31.8	20.3	16.1	16.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.8	46.0	S	48.4	48.5
SCTG 24, Plastics and rubber	**12.2**	**18.2**	**17.8**	**12.3**	**14.4**	**14.4**	**10.2**	**16.8**	**17.4**
Less than 50 lb	19.4	24.2	24.4	21.9	27.0	26.7	20.5	29.8	29.7
50 to 99 lb	26.7	33.2	35.0	42.4	34.0	33.6	23.5	22.7	23.1
100 to 499 lb	20.8	20.4	21.0	23.4	23.4	23.0	20.8	21.7	22.3
500 to 749 lb	46.6	S	S	39.3	29.8	29.3	23.3	19.8	19.2
750 to 999 lb	37.5	36.2	37.4	43.7	36.8	37.2	30.6	22.3	22.1
1,000 to 9,999 lb	25.9	20.4	20.9	23.7	23.1	23.0	19.9	20.7	20.6
10,000 to 49,999 lb	26.6	29.4	28.3	20.1	17.4	17.2	18.4	14.4	14.3
50,000 to 99,999 lb	–	–	–	S	S	S	44.1	40.3	40.0
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**36.1**	**40.3**	**40.8**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	S	S	S
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	S	S	S	S	S	S
100,000 lb or more	S	S	S	42.2	41.5	42.0	S	S	S
SCTG 26, Wood products	**9.5**	**12.7**	**12.6**	**6.5**	**9.1**	**9.9**	**8.5**	**8.9**	**9.5**
Less than 50 lb	32.5	24.6	25.3	29.2	27.4	27.4	27.2	44.1	43.8
50 to 99 lb	48.3	40.0	39.9	47.9	40.5	40.8	27.1	29.3	29.5
100 to 499 lb	37.4	43.3	44.0	S	49.6	49.6	32.8	28.9	28.4
500 to 749 lb	S	46.9	45.7	44.1	39.1	38.6	43.1	49.0	48.4
750 to 999 lb	S	S	S	S	40.1	40.5	S	S	S
1,000 to 9,999 lb	32.5	28.1	28.7	25.8	26.7	27.4	18.8	30.0	29.6
10,000 to 49,999 lb	14.9	12.9	12.5	8.9	8.6	18.2	12.1	9.1	12.5
50,000 to 99,999 lb	13.2	17.4	19.6	22.3	20.5	20.3	16.2	18.9	18.2
100,000 lb or more	19.0	21.8	21.1	13.4	14.5	15.1	14.3	13.8	14.3
SCTG 27, Pulp, newsprint, paper, and paperboard	**27.3**	**28.0**	**26.5**	**17.2**	**14.6**	**14.5**	**18.6**	**16.2**	**16.2**
Less than 50 lb	41.6	48.7	49.0	47.3	43.8	44.5	43.6	S	S
50 to 99 lb	S	S	S	S	S	S	S	45.8	45.6
100 to 499 lb	S	S	S	S	39.6	43.0	39.4	45.3	46.5
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	49.3	39.7	43.7	S	S	S	42.4	S	S
10,000 to 49,999 lb	32.1	31.1	30.0	19.5	19.6	19.2	22.3	21.4	21.6
50,000 to 99,999 lb	–	–	–	S	42.1	43.2	S	S	S
100,000 lb or more	38.1	36.1	34.1	26.8	26.9	28.5	26.4	25.0	24.8
SCTG 28, Paper or paperboard articles	**20.3**	**21.1**	**20.0**	**28.8**	**20.4**	**20.4**	**29.5**	**24.4**	**38.7**
Less than 50 lb	S	45.0	45.3	S	S	S	S	34.6	34.3
50 to 99 lb	49.0	S	S	S	S	S	S	S	S
100 to 499 lb	46.0	39.4	38.8	47.8	43.8	43.2	42.7	37.2	37.9
500 to 749 lb	36.7	47.8	45.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	35.0	40.2	37.9	44.3	37.4	35.6	S	40.8	41.7
10,000 to 49,999 lb	26.6	25.4	24.1	31.6	28.2	27.0	20.2	28.3	45.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S

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	**14.2**	**14.1**	**13.9**	**17.8**	**32.5**	**32.1**	**11.6**	**38.0**	**38.3**
Less than 50 lb	21.8	25.5	25.3	20.0	23.4	23.5	15.2	22.8	23.1
50 to 99 lb	29.0	30.9	31.2	23.4	32.4	32.4	28.7	27.0	26.9
100 to 499 lb	24.5	31.0	35.0	28.0	42.3	40.7	23.2	30.1	30.3
500 to 749 lb	40.0	39.4	39.4	34.0	40.9	41.2	33.6	S	S
750 to 999 lb	S	S	47.2	45.7	S	S	S	32.7	32.9
1,000 to 9,999 lb	31.7	18.7	17.8	27.4	42.8	42.7	18.2	S	S
10,000 to 49,999 lb	35.2	37.9	37.7	26.4	23.7	23.4	31.2	24.8	24.4
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**16.1**	**15.8**	**16.0**	**14.7**	**12.5**	**12.8**	**16.1**	**12.0**	**12.2**
Less than 50 lb	26.2	13.1	14.0	26.8	16.3	16.3	26.9	23.4	23.2
50 to 99 lb	28.2	43.5	S	31.3	46.3	46.9	14.6	14.1	14.1
100 to 499 lb	13.1	15.2	15.4	16.3	18.1	18.1	15.2	15.8	15.5
500 to 749 lb	34.9	21.6	21.8	22.2	22.1	21.1	34.3	28.6	28.4
750 to 999 lb	34.0	37.8	35.8	45.9	27.4	26.4	23.9	20.2	19.5
1,000 to 9,999 lb	27.6	28.2	29.0	25.9	24.3	24.9	32.2	22.6	23.0
10,000 to 49,999 lb	46.8	31.5	31.9	45.2	30.6	29.3	33.8	24.9	25.3
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**19.5**	**33.3**	**31.2**	**28.2**	**35.7**	**39.3**	**19.8**	**24.6**	**25.1**
Less than 50 lb	33.4	33.3	31.5	39.0	39.5	39.4	40.2	45.8	46.0
50 to 99 lb	43.1	S	S	40.5	41.9	43.0	S	S	S
100 to 499 lb	S	S	S	S	S	S	34.4	28.6	28.4
500 to 749 lb	49.4	35.8	35.4	S	S	S	S	46.0	44.8
750 to 999 lb	S	44.0	41.8	42.5	47.0	46.5	32.4	36.1	36.5
1,000 to 9,999 lb	42.6	30.9	30.5	33.4	36.4	36.8	33.1	26.4	26.8
10,000 to 49,999 lb	27.0	24.7	25.6	29.8	24.3	24.1	30.9	19.5	19.6
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	45.6	46.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**38.0**	**19.8**	**19.7**	**17.7**	**21.0**	**19.6**	**22.5**	**44.4**	**45.3**
Less than 50 lb	45.5	45.3	48.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	32.3	26.0	25.4	48.0	S	S
100 to 499 lb	28.2	24.9	34.3	36.4	26.1	26.1	41.8	36.8	36.5
500 to 749 lb	37.9	28.1	28.4	S	S	S	38.2	38.2	36.4
750 to 999 lb	42.3	48.9	49.0	S	S	S	S	46.9	47.8
1,000 to 9,999 lb	S	36.6	37.0	27.2	28.9	29.3	31.2	21.6	21.3
10,000 to 49,999 lb	42.0	18.0	16.7	28.6	35.2	32.4	18.3	S	S
50,000 to 99,999 lb	S	S	S	S	49.2	S	39.3	47.8	46.3
100,000 lb or more	25.4	35.1	33.3	19.4	18.8	18.4	27.2	S	S
SCTG 33, Articles of base metal	**24.7**	**23.2**	**22.7**	**11.0**	**21.7**	**32.0**	**14.8**	**21.5**	**21.1**
Less than 50 lb	20.2	23.0	23.8	16.2	24.5	24.3	18.0	24.9	24.2
50 to 99 lb	22.6	26.2	26.5	21.5	26.6	26.9	32.2	31.7	31.0
100 to 499 lb	18.1	24.4	25.6	33.8	27.9	27.8	15.9	19.1	18.6
500 to 749 lb	S	45.0	42.1	S	35.2	33.9	30.7	41.5	48.7
750 to 999 lb	37.1	38.2	38.1	31.4	50.0	S	S	32.9	32.6
1,000 to 9,999 lb	40.2	40.1	39.4	18.2	22.2	21.9	21.7	35.4	35.3
10,000 to 49,999 lb	S	36.5	35.7	16.5	25.7	25.2	31.8	30.9	30.1
50,000 to 99,999 lb	S	S	S	S	S	S	43.4	42.7	42.5
100,000 lb or more	47.1	48.9	46.9	S	S	S	45.3	S	S
SCTG 34, Machinery	**13.4**	**43.9**	**43.6**	**15.8**	**18.0**	**18.2**	**19.1**	**48.4**	**47.7**
Less than 50 lb	17.5	29.6	32.4	14.2	17.6	17.6	18.1	32.4	32.1
50 to 99 lb	30.7	S	S	18.3	19.8	20.3	16.8	20.0	18.8
100 to 499 lb	14.6	42.4	41.7	46.5	26.4	26.2	16.5	29.5	32.1
500 to 749 lb	46.4	42.8	40.2	23.8	29.7	30.5	46.8	31.1	29.9
750 to 999 lb	46.7	41.2	38.6	45.8	28.0	27.8	41.7	27.1	26.4
1,000 to 9,999 lb	23.0	25.0	26.5	22.6	18.8	18.3	44.7	23.0	23.1
10,000 to 49,999 lb	37.4	24.7	23.1	24.7	23.9	24.3	27.2	29.0	28.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**13.7**	**35.2**	**33.7**	**11.8**	**16.3**	**16.4**	**13.4**	**40.8**	**41.5**
Less than 50 lb	15.3	7.5	7.9	12.3	10.8	10.7	11.0	13.1	13.4
50 to 99 lb	17.7	12.4	12.3	13.8	15.9	16.2	10.9	12.5	12.4
100 to 499 lb	20.9	20.1	19.2	14.3	20.1	20.8	14.5	14.6	14.4
500 to 749 lb	30.3	19.1	19.4	46.0	25.1	24.8	15.7	26.0	25.3
750 to 999 lb	34.5	35.6	34.2	48.5	34.0	33.3	31.4	27.3	27.1
1,000 to 9,999 lb	29.1	45.5	45.9	18.2	24.2	25.7	33.7	S	S
10,000 to 49,999 lb	31.1	39.8	36.2	S	33.0	32.1	24.8	22.2	21.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	34.5	27.4	28.0

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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)	**25.2**	**21.7**	**21.9**	**23.3**	**19.0**	**19.1**	**15.9**	**21.9**	**21.7**
Less than 50 lb	19.3	15.4	16.1	18.9	12.9	13.0	18.6	14.0	13.7
50 to 99 lb	45.3	31.8	28.1	28.3	18.2	17.7	19.6	34.2	35.3
100 to 499 lb	27.6	24.7	26.6	25.8	20.6	20.5	22.8	21.7	21.2
500 to 749 lb	S	S	S	S	S	48.2	45.3	38.1	37.0
750 to 999 lb	S	S	S	S	49.3	49.3	35.1	49.8	49.6
1,000 to 9,999 lb	42.6	23.8	25.9	39.6	22.0	21.2	26.1	22.7	22.9
10,000 to 49,999 lb	35.8	31.6	31.4	27.5	26.2	25.9	37.0	34.0	33.2
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**47.7**	**26.7**	**26.0**	**31.2**	**26.1**	**27.4**	**39.0**	**22.3**	**22.5**
Less than 50 lb	38.8	31.8	34.7	19.0	17.3	17.4	S	39.3	40.2
50 to 99 lb	32.6	37.0	37.7	34.6	28.5	28.9	S	36.2	38.0
100 to 499 lb	43.9	37.7	40.9	25.6	30.9	27.9	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	49.5	S
750 to 999 lb	S	40.9	36.8	S	S	S	S	S	S
1,000 to 9,999 lb	44.8	38.8	42.8	S	S	S	S	42.2	42.9
10,000 to 49,999 lb	S	S	S	33.0	31.4	31.4	S	24.6	24.5
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**12.3**	**24.3**	**23.0**	**12.0**	**21.4**	**20.4**	**14.8**	**20.2**	**20.5**
Less than 50 lb	18.6	26.8	24.6	12.8	15.6	16.0	14.1	15.8	15.9
50 to 99 lb	39.0	21.3	20.7	23.6	24.4	24.6	21.1	21.2	20.9
100 to 499 lb	44.1	25.1	25.1	18.2	22.0	21.4	23.0	26.4	28.1
500 to 749 lb	46.7	S	S	30.3	30.9	30.7	34.9	44.7	43.2
750 to 999 lb	S	S	S	S	S	S	46.2	47.4	S
1,000 to 9,999 lb	S	S	S	33.4	35.1	33.2	34.9	37.8	37.5
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**15.6**	**20.3**	**19.4**	**31.6**	**13.3**	**13.2**	**16.8**	**22.6**	**22.2**
Less than 50 lb	S	46.8	44.6	S	S	S	36.6	33.6	33.6
50 to 99 lb	36.2	32.7	33.0	S	S	S	S	45.9	43.0
100 to 499 lb	28.1	20.1	19.8	37.0	25.6	25.9	24.2	17.5	17.5
500 to 749 lb	25.9	26.3	27.4	42.7	27.5	27.4	39.4	28.1	26.6
750 to 999 lb	26.4	23.7	25.1	S	32.6	32.8	37.8	21.2	21.2
1,000 to 9,999 lb	19.4	15.8	15.5	36.6	15.0	14.5	22.6	18.5	18.6
10,000 to 49,999 lb	24.7	31.9	30.8	32.2	23.8	23.4	33.1	40.5	39.5
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**14.1**	**S**	**S**	**18.5**	**44.0**	**43.6**	**8.9**	**37.8**	**37.0**
Less than 50 lb	20.2	21.8	22.3	28.7	16.8	17.0	12.0	18.7	19.1
50 to 99 lb	34.1	25.3	26.2	18.8	16.6	15.2	25.7	19.8	20.2
100 to 499 lb	22.6	15.9	16.1	21.1	11.5	12.0	15.8	11.9	11.9
500 to 749 lb	30.4	45.8	47.9	23.5	16.4	16.5	27.7	S	S
750 to 999 lb	15.3	25.2	25.5	21.8	22.5	22.5	20.8	17.5	17.5
1,000 to 9,999 lb	21.9	S	S	31.5	S	S	16.0	S	S
10,000 to 49,999 lb	34.3	30.5	30.5	43.5	35.9	35.4	36.1	26.7	26.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 41, Waste and scrap	**20.0**	**S**	**S**	**17.6**	**20.2**	**19.9**	**30.0**	**35.9**	**35.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	–	–	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	19.9	S	S	21.9	20.5	21.8	38.0	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	S	S	S	39.1	38.9	38.9
SCTG 43, Mixed freight	**33.1**	**34.3**	**35.7**	**23.0**	**32.4**	**32.1**	**39.4**	**49.4**	**S**
Less than 50 lb	37.6	35.6	37.0	32.1	41.1	41.4	47.4	40.8	43.4
50 to 99 lb	S	S	S	44.7	48.7	49.4	42.6	44.7	43.9
100 to 499 lb	43.9	42.0	45.8	42.3	42.4	42.2	47.8	S	S
500 to 749 lb	S	S	S	S	40.7	39.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	48.1	48.1
1,000 to 9,999 lb	S	41.9	41.5	33.7	28.1	28.0	40.6	34.5	37.7
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**38.8**	**42.8**	**42.3**	**29.4**	**29.5**	**30.5**	**36.0**	**45.3**	**44.2**
Less than 50 lb	45.9	31.0	31.4	44.7	27.3	27.2	25.2	43.5	41.1
50 to 99 lb	S	49.0	S	S	S	S	32.9	32.8	32.4
100 to 499 lb	S	44.5	42.7	42.4	38.4	39.4	37.2	33.8	33.8
500 to 749 lb	46.4	46.5	43.4	S	S	S	S	47.7	46.9
750 to 999 lb	S	S	S	S	S	S	45.1	43.0	43.3
1,000 to 9,999 lb	S	30.3	29.3	40.0	48.4	49.0	44.2	S	S
10,000 to 49,999 lb	S	S	S	S	40.1	39.3	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S

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

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

Appendix C.
Sample Design, Data Collection, and Estimation

INTRODUCTION

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

SAMPLE DESIGN

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

First Stage

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

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

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

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

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

Second Stage

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

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

Third Stage

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

DATA COLLECTION

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

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

ESTIMATION

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

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

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

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

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

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

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

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

Appendix D.
Standard Classification of Transported Goods Code Information

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

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

At the time that the Commodity Transportation Survey (CTS) (the CTS—the predecessor of the CFS) was first conducted in 1963, STCC codes were still useful for analyzing most important aspects of the U.S. transportation system. Since then, many changes have taken place that have gradually made the STCC code less useful for tracking domestic product movements across all modes (although it remains perfectly functional for tracking rail-only movements). These include the deregulation of trucking, the enactment of North American Free Trade Agreement (NAFTA), changes in logistics practices, the emergence of plastics and composite materials to replace metals and glass, the obsolescence of many categories of wood products, and the very rapid recent development of high-tech electronic goods. Because the CFS is a shipper survey, the CFS collects information about shipments moving on all modes. As a consequence, STCC classifications frequently provide inadequate detail for identifying products that are significant for modes, such as truck and air. It is for these reasons that the Bureau of Transportation Statistics (BTS) has sponsored the development of a new product code to collect and report CFS data.

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

Additional information on the SCTG system can be found on the Internet through the BTS web page at *http://www.bts.gov.* Comments or questions on the SCTG should be directed to *http://cfs@bts.gov.*

Appendix E.
Sample Report Forms and Instructions

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

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

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

BUREAU OF THE CENSUS
1201 East 10th Street
Jeffersonville IN 47132-0001

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

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

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

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

1 ☐ Yes
2 ☐ No — *Enter correct name.* ↙

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

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

Month	Day	Year

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

1 ☐ Yes
2 ☐ No — *Enter physical location below.* ↙

Number and street		
City, town, village, etc.	State	ZIP Code

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE.

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

SELECTING YOUR SAMPLE OF SHIPMENTS

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

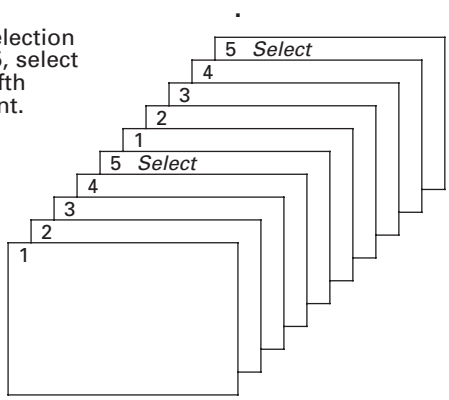
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.

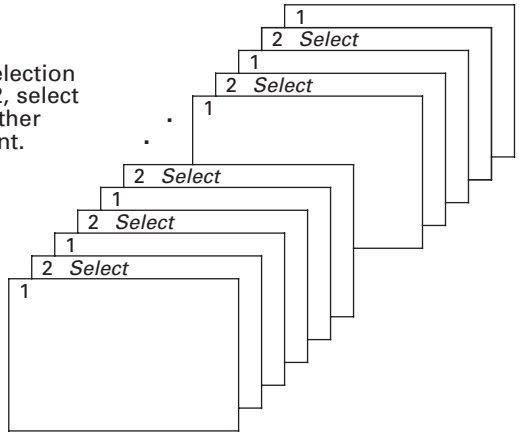
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

Containerized? (Y/N) (i)	U.S. destination *(Complete for all shipments.)* (j) City	State	ZIP Code	Mode(s) of transport to U.S. destination *Enter all that apply in order used. Use codes below.* (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) **Note:** In column (j) enter the U.S. port, airport, or border crossing of exit. (m) City	Country	Export mode (n)	Line No. (o)
N	Los Angeles	CA	90040	2, 4, 3	N				0
N	New York	NY	10454	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

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

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

Item G

1. Do this establishment's outbound shipments leave more than one site within this physical location?

☐ Yes

☐ No

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

☐ Yes

☐ No

If yes to item G1 or item G2:

3. Would it be easier to receive a separate questionnaire for each file or each shipment site?

☐ Yes

☐ No

Item H

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

Total value in whole dollars

Item I

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

☐ Yes

☐ No

Item J **CERTIFICATION**

Name of person to contact regarding this report – *Please print*	Telephone number – *Include area code*	Date

Signature	Title

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

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

Remarks

THANK YOU FOR COMPLETING YOUR REPORT

FORM CFS-1000 (11-1-96)

Page 7

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

BUREAU OF THE CENSUS
1201 East 10th Street
Jeffersonville IN 47132-0001

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

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

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

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

1 ☐ Yes
2 ☐ No — *Enter correct name.* ↙

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

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

Month	Day	Year

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

1 ☐ Yes
2 ☐ No — *Enter physical location below.* ↙

Number and street		
City, town, village, etc.	State	ZIP Code

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

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

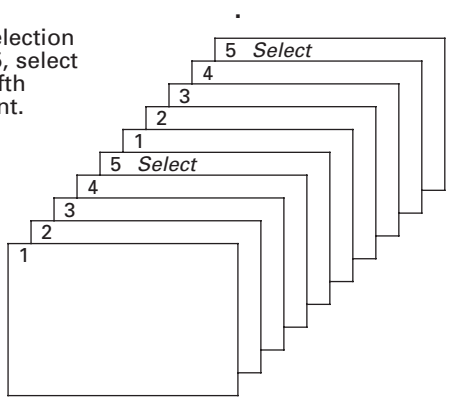
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

3. Continue counting with the next shipment. Count this shipment as 1 and continue until you reach the selection rate again. Select this shipment to report on in item F.

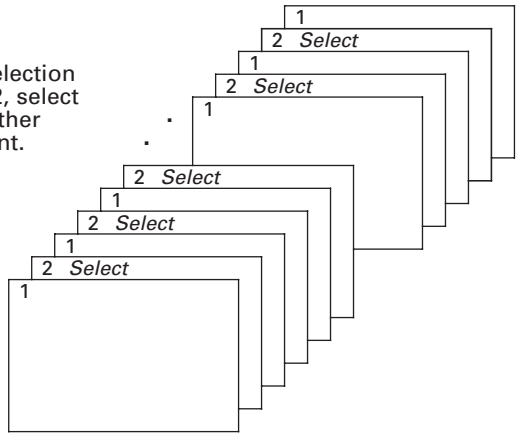
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

Containerized? (Y/N) (i)	U.S. destination *(Complete for all shipments.)* (j) City	State	ZIP Code	Mode(s) of transport to U.S. destination *Enter all that apply in order used. Use codes below.* (k)	Export? (Y/N) (l)	Foreign destination (for export shipments only) **Note:** In column (j) enter the U.S. port, airport, or border crossing of exit. (m) City	Country	Export mode (n)	Line No. (o)
N	Los Angeles	CA	90040	2, 4, 3	N				0
N	New York	NY	10454	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

Total value in whole dollars

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

☐ Yes

☐ No

Item I **AVAILABILITY AND USE OF ON-SITE SHIPPING FACILITIES**

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

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

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

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

Item J USE OF OFF-SITE SHIPPING FACILITIES

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

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

1 – Trailer on Flat Car (TOFC)
2 – Private Truck
3 – For-Hire Truck
4 – Rail
5 – Water
6 – Pipeline
7 – Air
8 – Other

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

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

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

Item L TRANSPORTATION DECISIONS

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

1 ☐ Your company 2 ☐ Receiver of shipment 3 ☐ Other

Remarks

Item M CERTIFICATION

Name of person to contact regarding this report – *Please print*	Telephone number – *Include area code*	Date
Signature	Title	

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

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

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

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

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

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

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

Who reports in the CFS?

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

Why is my participation important?

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

Your report helps ensure quality results.

Is this survey mandatory?

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

Will my data be kept confidential?

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

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

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

How often must I report?

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

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

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

Item D

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

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

What we mean by a "shipment":

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

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

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

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

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

A special note about "shipments":

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

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

Item E: Sampling Instructions

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

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

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

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

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

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

Item F **SHIPMENT CHARACTERISTICS**

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

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

Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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

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

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

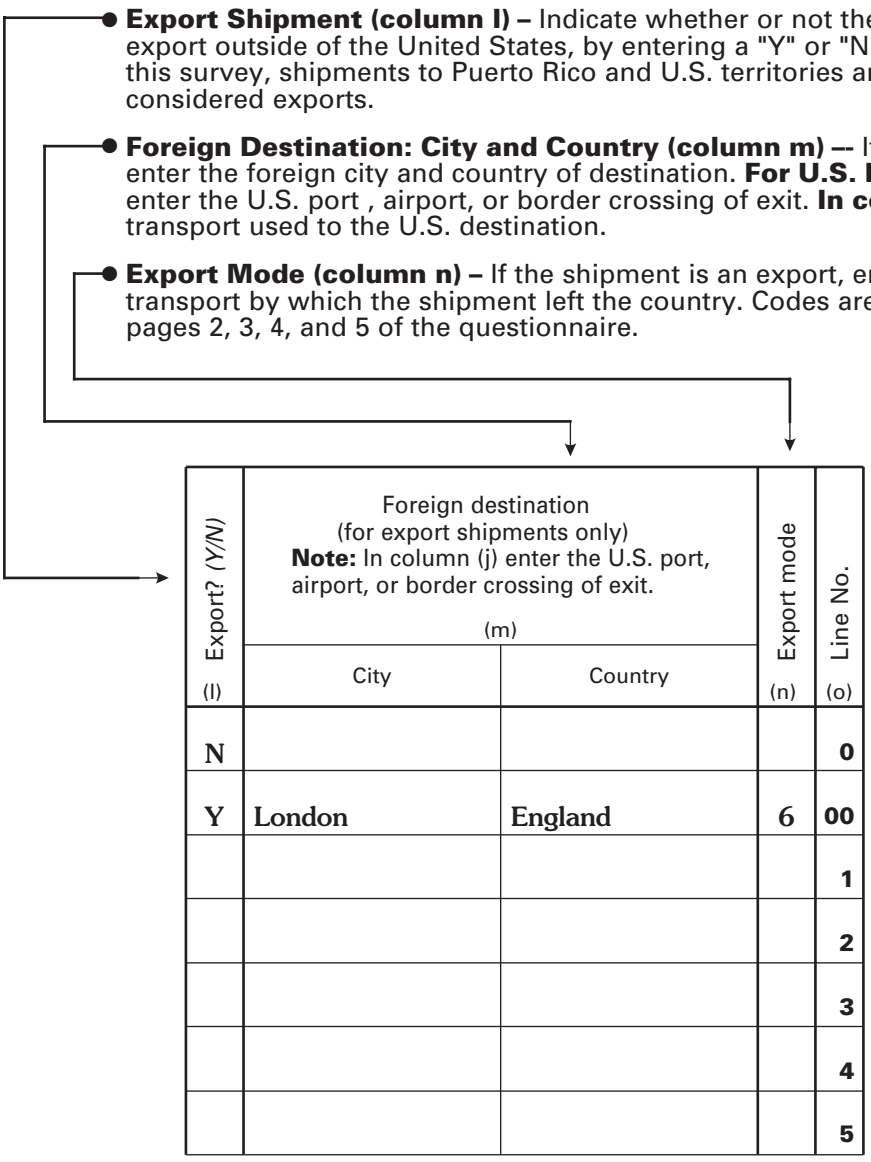
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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



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

Items G – I

Please enter the information requested.

Item J: Certification

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

PART III – MODE DEFINITIONS

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

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

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

Railroad– Any common carrier or private railroad.

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

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

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

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

Other mode – Any mode not listed above.

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

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

PART IV -- STATE ABBREVIATION LIST

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

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