East South Central Division

1997

Issued April 2000

EC97TCF-DIV(6)

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	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**	**282**
Single modes	**395 542**	**86.5**	**879 408**	**92.6**	**192 065**	**87.6**	**179**
Truck[1]	363 061	79.4	651 856	68.6	87 421	39.9	155
For-hire truck	228 892	50.1	301 186	31.7	60 929	27.8	479
Private truck	131 699	28.8	346 265	36.5	25 546	11.7	62
Rail	20 947	4.6	150 078	15.8	76 303	34.8	714
Water	5 770	1.3	69 068	7.3	27 624	12.6	165
Shallow draft	4 605	1.0	62 954	6.6	25 269	11.5	163
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	260
Air (includes truck and air)	4 277	.9	96	–	120	–	1 029
Pipeline[2]	1 489	.3	8 310	.9	S	S	S
Multiple modes	**38 299**	**8.4**	**24 144**	**2.5**	**20 257**	**9.2**	**603**
Parcel, U.S. Postal Service or courier	24 821	5.4	1 197	.1	601	.3	601
Truck and rail	12 592	2.8	5 767	.6	3 933	1.8	1 053
Truck and water	360	–	9 111	1.0	4 910	2.2	S
Rail and water	S	S	S	S	S	S	352
Other multiple modes	S	S	S	S	S	S	1 694
Other and unknown modes	**23 469**	**5.1**	**46 255**	**4.9**	**6 869**	**3.1**	**S**

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 Some unpublished estimates can be derived from other data published in this table.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

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

Table 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	**457 310**	**426 978**	**7.1**	**949 807**	**864 333**	**9.9**	**219 191**	**205 533**	**6.6**	**282**	**283**	**–.5**
Single modes	**395 542**	**383 188**	**3.2**	**879 408**	**794 947**	**10.6**	**192 065**	**186 321**	**3.1**	**179**	**172**	**4.5**
Truck[1]	363 061	348 846	4.1	651 856	568 635	14.6	87 421	81 275	7.6	155	149	4.0
For-hire truck	228 892	216 075	5.9	301 186	276 417	9.0	60 929	54 207	12.4	479	476	.6
Private truck	131 699	131 850	–.1	346 265	290 153	19.3	25 546	26 762	–4.5	62	63	–.6
Rail	20 947	20 604	1.7	150 078	154 273	–2.7	76 303	71 154	7.2	714	711	.4
Water	5 770	6 587	–12.4	69 068	67 157	2.8	27 624	32 883	–16.0	165	830	–80.1
Shallow draft	4 605	4 954	–7.0	62 954	55 325	13.8	25 269	26 372	–4.2	163	476	–65.7
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	S	1 633	S	S	11 833	S	S	6 511	S	260	4 086	–93.6
Air (includes truck and air)	4 277	6 372	–32.9	96	98	–1.4	120	125	–4.6	1 029	1 054	–2.3
Pipeline[2]	1 489	779	91.0	8 310	4 784	73.7	S	S	S	S	S	S
Multiple modes	**38 299**	**28 213**	**35.7**	**24 144**	**24 367**	**–.9**	**20 257**	**15 059**	**34.5**	**603**	**556**	**8.4**
Parcel, U.S. Postal Service or courier	24 821	21 363	16.2	1 197	1 020	17.4	601	607	–1.0	601	553	8.6
Truck and rail	12 592	6 083	107.0	5 767	3 009	91.6	3 933	2 595	51.5	1 053	1 260	–16.4
Truck and water	360	624	–42.3	9 111	16 448	–44.6	4 910	8 313	–40.9	S	574	S
Rail and water	S	122	S	S	3 652	S	S	S	S	352	886	–60.2
Other multiple modes	S	S	S	S	239	S	S	415	S	1 694	1 795	–5.6
Other and unknown modes	**23 469**	**15 576**	**50.7**	**46 255**	**45 019**	**2.7**	**6 869**	**4 152**	**65.4**	**S**	**98**	**S**

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

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

Table 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	**86.5**	**89.7**	**92.6**	**92.0**	**87.6**	**90.7**
Truck[1]	79.4	81.7	68.6	65.8	39.9	39.5
For-hire truck	50.1	50.6	31.7	32.0	27.8	26.4
Private truck	28.8	30.9	36.5	33.6	11.7	13.0
Rail	4.6	4.8	15.8	17.8	34.8	34.6
Water	1.3	1.5	7.3	7.8	12.6	16.0
Shallow draft	1.0	1.2	6.6	6.4	11.5	12.8
Great Lakes	–	–	–	–	–	–
Deep draft	S	.4	S	1.4	S	3.2
Air (includes truck and air)	.9	1.5	–	–	–	–
Pipeline[2]	.3	.2	.9	.6	S	S
Multiple modes	**8.4**	**6.6**	**2.5**	**2.8**	**9.2**	**7.3**
Parcel, U.S. Postal Service or courier	5.4	5.0	.1	.1	.3	.3
Truck and rail	2.8	1.4	.6	.3	1.8	1.3
Truck and water	–	.1	1.0	1.9	2.2	4.0
Rail and water	S	–	S	.4	S	S
Other multiple modes	S	S	S	–	S	.2
Other and unknown modes	**5.1**	**3.6**	**4.9**	**5.2**	**3.1**	**2.0**

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

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

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

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

Mode of transportation[1]	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	**219 191**	**100.0**	**277**
Truck	87 864	40.1	153
Rail	80 492	36.7	837
Shallow draft	35 637	16.3	366
Great Lakes	2	–	790
Deep draft	S	S	1 813
Air	113	–	951
Parcel, U.S. Postal Service or courier	601	.3	601
Pipeline	S	S	S
Other and unknown modes	6 869	3.1	S

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

[1]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	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**
Less than 50 miles	102 550	22.4	476 712	50.2	10 419	4.8
50 to 99 miles	39 853	8.7	120 249	12.7	12 917	5.9
100 to 249 miles	77 985	17.1	142 837	15.0	37 845	17.3
250 to 499 miles	106 795	23.4	125 476	13.2	66 372	30.3
500 to 749 miles	65 740	14.4	58 570	6.2	51 162	23.3
750 to 999 miles	26 320	5.8	13 458	1.4	14 497	6.6
1,000 to 1,499 miles	11 447	2.5	4 053	.4	5 893	2.7
1,500 to 1,999 miles	23 091	5.0	6 713	.7	15 257	7.0
2,000 miles or more	3 529	.8	1 742	.2	4 829	2.2
Single modes	**395 542**	**100.0**	**879 408**	**100.0**	**192 065**	**100.0**
Less than 50 miles	86 065	21.8	438 438	49.9	9 701	5.1
50 to 99 miles	37 143	9.4	118 891	13.5	12 790	6.7
100 to 249 miles	71 049	18.0	130 996	14.9	34 093	17.8
250 to 499 miles	94 087	23.8	116 247	13.2	57 302	29.8
500 to 749 miles	55 193	14.0	51 642	5.9	43 527	22.7
750 to 999 miles	21 429	5.4	12 749	1.4	13 697	7.1
1,000 to 1,499 miles	9 336	2.4	3 735	.4	5 429	2.8
1,500 to 1,999 miles	18 547	4.7	5 852	.7	13 226	6.9
2,000 miles or more	2 692	.7	858	.1	2 300	1.2
Truck[1]	**363 061**	**100.0**	**651 856**	**100.0**	**87 421**	**100.0**
Less than 50 miles	83 983	23.1	411 648	63.2	8 743	10.0
50 to 99 miles	35 242	9.7	90 027	13.8	8 097	9.3
100 to 249 miles	64 809	17.9	62 635	9.6	12 709	14.5
250 to 499 miles	84 464	23.3	50 857	7.8	21 214	24.3
500 to 749 miles	48 397	13.3	22 492	3.5	16 456	18.8
750 to 999 miles	18 962	5.2	7 240	1.1	7 286	8.3
1,000 to 1,499 miles	8 540	2.4	2 643	.4	3 637	4.2
1,500 to 1,999 miles	16 426	4.5	3 763	.6	7 886	9.0
2,000 miles or more	2 237	.6	550	–	1 392	1.6
For-hire truck	**228 892**	**100.0**	**301 186**	**100.0**	**60 929**	**100.0**
Less than 50 miles	20 566	9.0	161 477	53.6	3 642	6.0
50 to 99 miles	13 269	5.8	41 609	13.8	3 796	6.2
100 to 249 miles	38 550	16.8	34 213	11.4	6 943	11.4
250 to 499 miles	72 333	31.6	31 912	10.6	14 407	23.6
500 to 749 miles	42 473	18.6	19 469	6.5	14 263	23.4
750 to 999 miles	16 612	7.3	6 336	2.1	6 372	10.5
1,000 to 1,499 miles	7 696	3.4	2 290	.8	3 143	5.2
1,500 to 1,999 miles	15 301	6.7	3 394	1.1	7 130	11.7
2,000 miles or more	2 091	.9	486	.2	1 233	2.0
Private truck	**131 699**	**100.0**	**346 265**	**100.0**	**25 546**	**100.0**
Less than 50 miles	62 892	47.8	248 532	71.8	5 041	19.7
50 to 99 miles	21 746	16.5	46 962	13.6	4 187	16.4
100 to 249 miles	25 978	19.7	27 928	8.1	5 665	22.2
250 to 499 miles	11 618	8.8	S	S	S	S
500 to 749 miles	5 374	4.1	2 697	.8	1 951	7.6
750 to 999 miles	2 175	1.7	829	.2	836	3.3
1,000 to 1,499 miles	796	.6	288	–	403	1.6
1,500 to 1,999 miles	1 027	.8	316	–	652	2.6
2,000 miles or more	93	–	56	–	140	.5
Rail	**20 947**	**100.0**	**150 078**	**100.0**	**76 303**	**100.0**
Less than 50 miles	1 126	5.4	15 539	10.4	702	.9
50 to 99 miles	800	3.8	13 540	9.0	1 744	2.3
100 to 249 miles	2 859	13.7	36 096	24.1	12 164	15.9
250 to 499 miles	7 422	35.4	58 022	38.7	32 124	42.1
500 to 749 miles	4 380	20.9	18 104	12.1	15 489	20.3
750 to 999 miles	1 881	9.0	5 317	3.5	6 113	8.0
1,000 to 1,499 miles	490	2.3	1 082	.7	1 777	2.3
1,500 to 1,999 miles	1 708	8.2	2 082	1.4	5 324	7.0
2,000 miles or more	280	1.3	297	.2	866	1.1
Water	**5 770**	**100.0**	**69 068**	**100.0**	**27 624**	**100.0**
Less than 50 miles	524	9.1	8 677	12.6	238	.9
50 to 99 miles	1 037	18.0	15 310	22.2	S	S
100 to 249 miles	1 879	32.6	26 533	38.4	8 641	31.3
250 to 499 miles	S	S	7 347	10.6	3 949	14.3
500 to 749 miles	1 137	19.7	11 017	16.0	11 559	41.8
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	–	–	–	–	–	–
Shallow draft	**4 605**	**100.0**	**62 954**	**100.0**	**25 269**	**100.0**
Less than 50 miles	445	9.7	8 074	12.8	S	S
50 to 99 miles	1 037	22.5	15 310	24.3	S	S
100 to 249 miles	1 738	37.7	25 865	41.1	8 555	33.9
250 to 499 miles	364	7.9	3 675	5.8	2 410	9.5
500 to 749 miles	925	20.1	9 845	15.6	10 835	42.9
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	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	603	9.9	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**4 277**	**100.0**	**96**	**100.0**	**120**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	49	1.1	2	1.9	1	.5
100 to 249 miles	462	10.8	14	14.6	4	3.6
250 to 499 miles	1 105	25.8	22	22.5	14	11.6
500 to 749 miles	1 276	29.8	23	23.5	20	16.8
750 to 999 miles	489	11.4	7	7.6	8	6.6
1,000 to 1,499 miles	306	7.2	10	10.2	15	12.6
1,500 to 1,999 miles	413	9.7	7	7.7	16	13.0
2,000 miles or more	175	4.1	S	S	S	S
Pipeline[2]	**1 489**	**100.0**	**8 310**	**100.0**	**S**	**S**
Less than 50 miles	432	29.0	2 574	31.0	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	1 040	69.8	5 718	68.8	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
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**38 299**	**100.0**	**24 144**	**100.0**	**20 257**	**100.0**
Less than 50 miles	2 466	6.4	2 589	10.7	S	S
50 to 99 miles	1 953	5.1	412	1.7	40	.2
100 to 249 miles	4 910	12.8	8 292	34.3	2 863	14.1
250 to 499 miles	10 405	27.2	5 671	23.5	S	S
500 to 749 miles	8 488	22.2	5 746	23.8	6 787	33.5
750 to 999 miles	3 974	10.4	435	1.8	529	2.6
1,000 to 1,499 miles	1 959	5.1	230	1.0	344	1.7
1,500 to 1,999 miles	3 560	9.3	694	2.9	1 678	8.3
2,000 miles or more	584	1.5	74	.3	235	1.2
Parcel, U.S. Postal Service or courier	**24 821**	**100.0**	**1 197**	**100.0**	**601**	**100.0**
Less than 50 miles	2 374	9.6	S	S	7	1.2
50 to 99 miles	1 892	7.6	75	6.3	7	1.2
100 to 249 miles	4 453	17.9	173	14.5	36	5.9
250 to 499 miles	5 810	23.4	231	19.3	106	17.6
500 to 749 miles	4 753	19.1	187	15.6	136	22.6
750 to 999 miles	2 500	10.1	78	6.5	78	13.1
1,000 to 1,499 miles	1 000	4.0	30	2.5	43	7.2
1,500 to 1,999 miles	1 612	6.5	53	4.4	111	18.5
2,000 miles or more	426	1.7	S	S	77	12.8
Truck and rail	**12 592**	**100.0**	**5 767**	**100.0**	**3 933**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49	.4	85	1.5	S	S
100 to 249 miles	194	1.5	871	15.1	261	6.6
250 to 499 miles	4 150	33.0	868	15.1	493	12.5
500 to 749 miles	3 638	28.9	821	14.2	734	18.7
750 to 999 miles	S	S	276	4.8	321	8.2
1,000 to 1,499 miles	959	7.6	200	3.5	301	7.7
1,500 to 1,999 miles	1 947	15.5	641	11.1	1 567	39.8
2,000 miles or more	134	1.1	36	.6	102	2.6
Truck and water	**360**	**100.0**	**9 111**	**100.0**	**4 910**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	S	S	19	.4
100 to 249 miles	186	51.7	4 908	53.9	1 599	32.6
250 to 499 miles	68	18.9	2 176	23.9	1 443	29.4
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	13	3.6	5	–	41	.8

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	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	.1	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**23 469**	**100.0**	**46 255**	**100.0**	**6 869**	**100.0**
Less than 50 miles	14 020	59.7	35 684	77.1	556	8.1
50 to 99 miles	756	3.2	946	2.0	88	1.3
100 to 249 miles	2 025	8.6	3 548	7.7	889	12.9
250 to 499 miles	2 302	9.8	3 557	7.7	1 452	21.1
500 to 749 miles	2 059	8.8	1 182	2.6	848	12.3
750 to 999 miles	917	3.9	274	.6	270	3.9
1,000 to 1,499 miles	152	.6	87	.2	119	1.7
1,500 to 1,999 miles	984	4.2	167	.4	352	5.1
2,000 miles or more	253	1.1	S	S	S	S

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

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

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**	**282**
Less than 50 lb	27 373	6.0	938	.1	315	.1	331
50 to 99 lb	9 347	2.0	888	–	192	–	214
100 to 499 lb	31 504	6.9	5 172	.5	1 039	.5	193
500 to 749 lb	10 736	2.3	2 507	.3	493	.2	196
750 to 999 lb	7 933	1.7	2 011	.2	423	.2	208
1,000 to 9,999 lb	125 683	27.5	41 362	4.4	10 452	4.8	236
10,000 to 49,999 lb	191 469	41.9	302 969	31.9	59 683	27.2	204
50,000 to 99,999 lb	21 374	4.7	225 352	23.7	21 880	10.0	92
100,000 lb or more	31 892	7.0	368 609	38.8	124 716	56.9	357
Single modes	**395 542**	**100.0**	**879 408**	**100.0**	**192 065**	**100.0**	**179**
Less than 50 lb	10 559	2.7	463	–	74	–	190
50 to 99 lb	5 107	1.3	648	–	79	–	119
100 to 499 lb	26 175	6.6	4 560	.5	812	.4	163
500 to 749 lb	10 079	2.5	2 389	.3	465	.2	194
750 to 999 lb	7 369	1.9	1 914	.2	395	.2	205
1,000 to 9,999 lb	102 238	25.8	37 865	4.3	8 998	4.7	228
10,000 to 49,999 lb	183 559	46.4	295 675	33.6	55 928	29.1	196
50,000 to 99,999 lb	20 691	5.2	214 834	24.4	17 048	8.9	81
100,000 lb or more	29 764	7.5	321 059	36.5	108 265	56.4	353
Truck[1]	**363 061**	**100.0**	**651 856**	**100.0**	**87 421**	**100.0**	**155**
Less than 50 lb	9 101	2.5	452	–	63	–	133
50 to 99 lb	4 697	1.3	643	.1	74	–	111
100 to 499 lb	24 698	6.8	4 537	.7	789	.9	158
500 to 749 lb	9 719	2.7	2 383	.4	459	.5	191
750 to 999 lb	7 298	2.0	1 909	.3	389	.4	202
1,000 to 9,999 lb	101 116	27.9	37 754	5.8	8 922	10.2	226
10,000 to 49,999 lb	181 280	49.9	293 664	45.1	53 958	61.7	191
50,000 to 99,999 lb	20 186	5.6	213 249	32.7	16 342	18.7	79
100,000 lb or more	4 965	1.4	97 265	14.9	6 425	7.3	70
For-hire truck	**228 892**	**100.0**	**301 186**	**100.0**	**60 929**	**100.0**	**479**
Less than 50 lb	1 998	.9	66	–	42	–	563
50 to 99 lb	1 267	.6	61	–	37	–	608
100 to 499 lb	11 068	4.8	926	.3	565	.9	612
500 to 749 lb	4 917	2.1	511	.2	321	.5	628
750 to 999 lb	3 763	1.6	458	.2	271	.4	589
1,000 to 9,999 lb	63 302	27.7	12 053	4.0	6 405	10.5	549
10,000 to 49,999 lb	130 364	57.0	140 040	46.5	41 026	67.3	315
50,000 to 99,999 lb	9 285	4.1	106 459	35.3	7 833	12.9	75
100,000 lb or more	2 926	1.3	40 612	13.5	4 428	7.3	115
Private truck	**131 699**	**100.0**	**346 265**	**100.0**	**25 546**	**100.0**	**62**
Less than 50 lb	7 086	5.4	385	.1	21	–	51
50 to 99 lb	3 416	2.6	580	.2	36	.1	61
100 to 499 lb	13 266	10.1	3 575	1.0	218	.9	58
500 to 749 lb	4 724	3.6	1 862	.5	135	.5	71
750 to 999 lb	3 507	2.7	1 437	.4	114	.4	79
1,000 to 9,999 lb	37 244	28.3	25 515	7.4	2 439	9.5	88
10,000 to 49,999 lb	49 635	37.7	151 159	43.7	12 216	47.8	83
50,000 to 99,999 lb	10 818	8.2	106 251	30.7	8 451	33.1	83
100,000 lb or more	2 004	1.5	55 501	16.0	1 915	7.5	33
Rail	**20 947**	**100.0**	**150 078**	**100.0**	**76 303**	**100.0**	**714**
Less than 50 lb	S	S	S	S	–	–	307
50 to 99 lb	S	S	S	S	S	S	295
100 to 499 lb	5	–	S	S	1	–	670
500 to 749 lb	S	S	–	–	–	–	1 374
750 to 999 lb	10	–	1	–	S	S	1 920
1,000 to 9,999 lb	S	S	80	–	50	–	600
10,000 to 49,999 lb	2 065	9.9	1 377	.9	1 882	2.5	1 330
50,000 to 99,999 lb	472	2.3	1 344	.9	698	.9	508
100,000 lb or more	17 619	84.1	147 273	98.1	73 669	96.5	647
Water	**5 770**	**100.0**	**69 068**	**100.0**	**27 624**	**100.0**	**165**
Less than 50 lb	1	–	–	–	–	–	14
50 to 99 lb	S	S	–	–	–	–	15
100 to 499 lb	6	.1	2	–	–	–	17
500 to 749 lb	2	–	1	–	S	S	27
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	S	S	S	S	S	S	122
10,000 to 49,999 lb	S	S	S	S	S	S	85
50,000 to 99,999 lb	10	.2	111	.2	S	S	50
100,000 lb or more	5 721	99.2	68 354	99.0	27 574	99.8	415
Shallow draft	**4 605**	**100.0**	**62 954**	**100.0**	**25 269**	**100.0**	**163**
Less than 50 lb	1	–	–	–	–	–	14
50 to 99 lb	S	S	–	–	–	–	15
100 to 499 lb	6	.1	2	–	–	–	17
500 to 749 lb	2	–	1	–	S	S	27
750 to 999 lb	S	S	S	S	S	S	15
1,000 to 9,999 lb	S	S	S	S	S	S	122
10,000 to 49,999 lb	S	S	S	S	S	S	85
50,000 to 99,999 lb	10	.2	111	.2	S	S	50
100,000 lb or more	4 556	98.9	62 240	98.9	25 219	99.8	422

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	**S**	**S**	**S**	**S**	**S**	**S**	**260**
Less than 50 lb	S	S	S	S	S	S	10
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	301
Air (includes truck and air)	**4 277**	**100.0**	**96**	**100.0**	**120**	**100.0**	**1 029**
Less than 50 lb	1 454	34.0	11	11.7	12	9.7	1 022
50 to 99 lb	410	9.6	5	5.0	5	4.4	1 124
100 to 499 lb	1 466	34.3	19	20.0	21	17.7	1 100
500 to 749 lb	357	8.4	5	5.1	6	5.0	1 207
750 to 999 lb	60	1.4	4	3.8	4	3.2	1 037
1,000 to 9,999 lb	346	8.1	25	26.3	26	21.4	1 116
10,000 to 49,999 lb	S	S	23	24.0	S	S	1 499
50,000 to 99,999 lb	S	S	S	S	S	S	682
100,000 lb or more	–	–	–	–	–	–	–
Pipeline[2]	**1 489**	**100.0**	**8 310**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	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	1 459	98.0	8 168	98.3	S	S	S
Multiple modes	**38 299**	**100.0**	**24 144**	**100.0**	**20 257**	**100.0**	**603**
Less than 50 lb	15 503	40.5	398	1.6	237	1.2	612
50 to 99 lb	3 894	10.2	204	.8	110	.5	531
100 to 499 lb	4 512	11.8	461	1.9	213	1.0	495
500 to 749 lb	422	1.1	69	.3	20	.1	299
750 to 999 lb	467	1.2	62	.3	22	.1	346
1,000 to 9,999 lb	9 006	23.5	957	4.0	1 010	5.0	1 052
10,000 to 49,999 lb	3 480	9.1	2 299	9.5	2 452	12.1	1 117
50,000 to 99,999 lb	335	.9	8 485	35.1	4 500	22.2	528
100,000 lb or more	S	S	11 209	46.4	S	S	688
Parcel, U.S. Postal Service or courier	**24 821**	**100.0**	**1 197**	**100.0**	**601**	**100.0**	**601**
Less than 50 lb	15 503	62.5	398	33.3	237	39.4	612
50 to 99 lb	3 894	15.7	204	17.0	110	18.2	531
100 to 499 lb	4 509	18.2	461	38.5	212	35.3	495
500 to 749 lb	422	1.7	69	5.8	20	3.3	297
750 to 999 lb	455	1.8	61	5.1	21	3.5	331
1,000 to 9,999 lb	S	S	S	S	S	S	426
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**12 592**	**100.0**	**5 767**	**100.0**	**3 933**	**100.0**	**1 053**
Less than 50 lb	S	S	S	S	S	S	940
50 to 99 lb	S	S	S	S	S	S	1 234
100 to 499 lb	S	S	S	S	S	S	773
500 to 749 lb	S	S	S	S	S	S	2 673
750 to 999 lb	S	S	1	–	S	S	2 024
1,000 to 9,999 lb	8 966	71.2	953	16.5	1 003	25.5	1 050
10,000 to 49,999 lb	3 334	26.5	2 187	37.9	2 373	60.3	1 127
50,000 to 99,999 lb	129	1.0	274	4.7	149	3.8	561
100,000 lb or more	148	1.2	S	S	406	10.3	S
Truck and water	**360**	**100.0**	**9 111**	**100.0**	**4 910**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	7 494
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	7 343
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	7 044
10,000 to 49,999 lb	S	S	102	1.1	60	1.2	S
50,000 to 99,999 lb	206	57.2	8 211	90.1	4 350	88.6	527
100,000 lb or more	119	32.9	797	8.7	494	10.1	721

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**	**352**
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	–	.1	S	S	–	–	386
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	351
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 694**
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	19	.2	1 572
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	1 726
Other and unknown modes	**23 469**	**100.0**	**46 255**	**100.0**	**6 869**	**100.0**	**S**
Less than 50 lb	1 310	5.6	76	.2	4	–	S
50 to 99 lb	346	1.5	36	–	3	–	77
100 to 499 lb	816	3.5	151	.3	14	.2	85
500 to 749 lb	234	1.0	49	.1	8	.1	151
750 to 999 lb	98	.4	35	–	6	–	164
1,000 to 9,999 lb	14 439	61.5	2 539	5.5	443	6.5	172
10,000 to 49,999 lb	4 431	18.9	4 995	10.8	1 302	19.0	269
50,000 to 99,999 lb	348	1.5	2 032	4.4	332	4.8	145
100,000 lb or more	1 447	6.2	36 341	78.6	4 757	69.3	450

– 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	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**	**282**
01	Live animals and live fish	859	.2	803	–	402	.2	409
02	Cereal grains	1 323	.3	11 306	1.2	3 965	1.8	S
03	Other agricultural products	4 240	.9	9 575	1.0	4 168	1.9	78
04	Animal feed and products of animal origin, n.e.c.	4 546	1.0	16 365	1.7	2 345	1.1	S
05	Meat, fish, seafood, and their preparations	11 490	2.5	5 767	.6	2 321	1.1	148
06	Milled grain products and preparations, and bakery products	5 874	1.3	5 387	.6	2 499	1.1	107
07	Other prepared foodstuffs and fats and oils	19 669	4.3	26 464	2.8	7 935	3.6	105
08	Alcoholic beverages	5 013	1.1	3 242	.3	937	.4	32
09	Tobacco products	8 140	1.8	424	–	185	–	227
10	Monumental or building stone	S	S	S	S	138	–	282
11	Natural sands	178	–	29 368	3.1	3 671	1.7	55
12	Gravel and crushed stone	1 144	.3	169 492	17.8	11 070	5.1	49
13	Nonmetallic minerals n.e.c.	S	S	7 819	.8	2 374	1.1	537
14	Metallic ores and concentrates	607	.1	5 900	.6	798	.4	116
15	Coal	5 931	1.3	224 855	23.7	64 225	29.3	118
17	Gasoline and aviation turbine fuel	13 369	2.9	55 883	5.9	5 388	2.5	32
18	Fuel oils	4 757	1.0	23 435	2.5	S	S	28
19	Coal and petroleum products, n.e.c.	3 116	.7	14 406	1.5	2 878	1.3	75
20	Basic chemicals	10 989	2.4	16 993	1.8	7 107	3.2	291
21	Pharmaceutical products	10 541	2.3	785	–	132	–	395
22	Fertilizers	1 212	.3	6 602	.7	3 462	1.6	80
23	Chemical products and preparations, n.e.c.	10 423	2.3	4 646	.5	2 191	1.0	227
24	Plastics and rubber	21 244	4.6	7 830	.8	4 585	2.1	247
25	Logs and other wood in the rough	1 795	.4	57 314	6.0	4 974	2.3	72
26	Wood products	11 304	2.5	35 467	3.7	8 971	4.1	158
27	Pulp, newsprint, paper, and paperboard	11 094	2.4	20 427	2.2	13 362	6.1	183
28	Paper or paperboard articles	5 353	1.2	4 150	.4	1 230	.6	285
29	Printed products	16 126	3.5	4 373	.5	1 927	.9	275
30	Textiles, leather, and articles of textiles or leather	35 878	7.8	4 843	.5	2 718	1.2	719
31	Nonmetallic mineral products	8 393	1.8	82 022	8.6	7 281	3.3	120
32	Base metal in primary or semifinished forms and in finished basic shapes	22 928	5.0	25 079	2.6	11 085	5.1	241
33	Articles of base metal	15 206	3.3	8 850	.9	5 210	2.4	355
34	Machinery	31 067	6.8	4 362	.5	2 428	1.1	282
35	Electronic and other electrical equipment and components and office equipment	34 754	7.6	4 131	.4	2 387	1.1	485
36	Motorized and other vehicles (including parts)	59 453	13.0	9 217	1.0	4 618	2.1	191
37	Transportation equipment, n.e.c.	3 559	.8	413	–	329	.2	662
38	Precision instruments and apparatus	3 483	.8	98	–	57	–	579
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7 958	1.7	2 173	.2	1 278	.6	458
40	Miscellaneous manufactured products	22 102	4.8	7 561	.8	3 269	1.5	541
41	Waste and scrap	2 026	.4	11 974	1.3	2 682	1.2	152
43	Mixed freight	17 040	3.7	6 734	.7	1 238	.6	120
--	Commodity unknown	1 877	.4	S	S	S	S	252

– 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	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**	**282**
010	Live animals and live fish	859	.2	803	–	402	.2	409
021	Wheat	163	–	1 196	.1	461	.2	116
022	Corn, except sweet	911	.2	8 323	.9	2 843	1.3	S
029	Other cereal grains	249	–	1 787	.2	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	194	–	210	–	S	S	78
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	921	.2	949	.1	132	–	S
033	Fresh, chilled, or dried edible fruit and nuts	301	–	S	S	S	S	S
034	Soya beans	1 059	.2	3 995	.4	2 241	1.0	112
035	Oil seeds and nuts, except olives and soya beans	166	–	S	S	S	S	82
036	Bulbs, live plants, and seeds for sowing, n.e.c.	226	–	153	–	17	–	93
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	1 372	.3	1 551	.2	630	.3	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 659	.4	3 954	.4	1 153	.5	S
042	Animal feed preparations	2 887	.6	12 412	1.3	1 192	.5	S
051	Meat including poultry, except preparations	10 315	2.3	5 493	.6	2 197	1.0	143
052	Fish, except live, and seafood, except preparations	1 172	.3	273	–	124	–	167
053	Preparations, extracts, and juices of meat, fish, or seafood	4	–	1	–	–	–	269
061	Wheat flour, groats, and meal	230	–	754	–	136	–	148
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	517	.1	1 183	.1	964	.4	399
063	Food preparations of cereals, flour, starch, or milk	1 453	.3	1 206	.1	423	.2	137
064	Bakery products	3 673	.8	2 243	.2	975	.4	94
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	2 991	.7	3 661	.4	504	.2	S
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	4 507	1.0	2 666	.3	865	.4	191
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	309	–	77	–	17	–	166
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 768	.6	6 012	.6	3 509	1.6	269
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	460	.1	2 218	.2	936	.4	210
076	Confectionery, cocoa, and cocoa preparations	1 350	.3	369	–	224	.1	516
077	Edible preparations, n.e.c. and vinegar	3 176	.7	2 733	.3	1 178	.5	166
078	Nonalcoholic beverages, n.e.c. and ice	4 109	.9	8 728	.9	703	.3	32
081	Malt Beer	2 350	.5	2 495	.3	556	.3	26
082	Wine and other fermented beverages	242	–	97	–	3	–	28
083	Spirituous beverages and ethyl alcohol	2 421	.5	650	–	378	.2	69
090	Tobacco products	8 140	1.8	424	–	185	–	227
100	Monumental or building stone, except dolomite	S	S	S	S	138	–	282
110	Natural sands, except metal-bearing	178	–	29 368	3.1	3 671	1.7	55
120	Gravel and crushed stone, except dolomite and slate	1 144	.3	169 492	17.8	11 070	5.1	49
131	Salt	34	–	703	–	290	.1	124
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	166	–	S	S	334	.2	1 036
133	Dolomite	S	S	S	S	S	S	58
139	Other nonmetallic minerals	S	S	5 987	.6	1 729	.8	309
141	Iron ores and concentrates	S	S	S	S	S	S	30
149	Other metallic ores and concentrates	532	.1	S	S	713	.3	162
151	Nonagglomerated bituminous coal	5 929	1.3	224 851	23.7	64 218	29.3	118
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	12 518	2.7	51 451	5.4	4 347	2.0	31
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	106
180	Fuel oils	4 757	1.0	23 435	2.5	S	S	28
191	Lubricating oils and greases	1 305	.3	1 492	.2	328	.1	70
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	224	–	638	–	S	S	36
193	Gaseous hydrocarbons	456	.1	1 994	.2	544	.2	46
199	Other products of petroleum refining, and coal products	1 132	.2	10 283	1.1	1 857	.8	167
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	S	S	S	S	S	S	710
202	Inorganic chemicals, n.e.c.	3 767	.8	8 174	.9	2 638	1.2	98
203	Cyclic hydrocarbons	255	–	S	S	246	.1	482
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	863	.2	1 190	.1	603	.3	291
205	Organic chemicals, n.e.c.	5 412	1.2	2 577	.3	1 545	.7	404
210	Pharmaceutical products	10 541	2.3	785	–	132	–	395
220	Fertilizers and fertilizer materials	1 212	.3	6 602	.7	3 462	1.6	80
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	2 122	.5	944	.1	466	.2	216
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 379	.3	S	S	117	–	306
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	879	.2	584	–	370	.2	213
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	289	–	S	S	S	S	S
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	2 796	.6	810	–	329	.2	180
239	Other chemical products and preparations	2 957	.6	2 003	.2	907	.4	227
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	4 930	1.1	2 459	.3	1 651	.8	396
242	Manmade fibers and plastics basic shapes and articles	9 137	2.0	3 260	.3	1 608	.7	245

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	7 177	1.6	2 111	.2	1 326	.6	223
250	Logs and other wood in the rough	1 795	.4	57 314	6.0	4 974	2.3	72
261	Wood chips or particles	443	.1	12 150	1.3	S	S	70
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	5 969	1.3	14 840	1.6	4 016	1.8	159
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	2 421	.5	5 102	.5	2 219	1.0	173
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 084	.2	428	–	120	–	122
269	Other wood products	1 386	.3	2 946	.3	790	.4	234
271	Pulp of fibrous cellulosic materials	2 070	.5	5 285	.6	3 445	1.6	360
272	Newsprint in large rolls or sheets	722	.2	1 501	.2	839	.4	S
273	Uncoated paper and paperboard in large rolls or sheets	5 254	1.1	10 191	1.1	6 861	3.1	158
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	3 049	.7	3 450	.4	2 217	1.0	246
280	Paper or paperboard articles	5 353	1.2	4 150	.4	1 230	.6	285
291	Printed books, brochures, leaflets, and similar printed products	7 437	1.6	959	.1	519	.2	681
292	Newspapers, journals, and periodicals	2 607	.6	1 571	.2	458	.2	S
293	Advertising material, commercial or trade catalogues, and similar printed products	2 267	.5	1 140	.1	416	.2	297
299	Other printed products	3 816	.8	703	–	533	.2	501
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	6 878	1.5	1 957	.2	915	.4	539
302	Textile clothing and accessories, and headgear, except safety	18 941	4.1	1 376	.1	917	.4	758
303	Textiles and textile articles, n.e.c.	7 925	1.7	1 379	.1	804	.4	665
304	Footwear	1 558	.3	85	–	57	–	871
305	Leather and articles, luggage of related materials, and dressed furskins and articles	576	.1	46	–	26	–	545
311	Hydraulic cements	742	.2	20 293	2.1	1 106	.5	51
312	Ceramic products	1 244	.3	S	S	1 083	.5	237
313	Glass and glass products	2 716	.6	2 487	.3	1 186	.5	207
319	Other nonmetallic mineral products	3 691	.8	48 924	5.2	3 905	1.8	57
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 476	.3	1 754	.2	683	.3	167
322	Flat-rolled products of iron or steel	4 996	1.1	10 412	1.1	3 995	1.8	188
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	4 971	1.1	7 673	.8	2 733	1.2	186
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	11 485	2.5	5 240	.6	3 674	1.7	414
331	Pipes, tubes, and fittings	5 684	1.2	4 928	.5	3 492	1.6	265
332	Structures and parts, except prefabricated buildings	2 921	.6	1 823	.2	701	.3	301
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	3 576	.8	732	–	394	.2	434
339	Other articles of metal	3 026	.7	1 367	.1	623	.3	293
341	Internal-combustion piston engines	S	S	717	–	369	.2	278
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	630	.1	41	–	25	–	452
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	3 920	.9	719	–	472	.2	320
344	Air-conditioning, refrigerating, or freezing equipment	4 401	1.0	743	–	414	.2	189
345	Materials-handling, excavating, boring, and related machinery and equipment	4 083	.9	820	–	469	.2	331
349	Other machinery	11 073	2.4	1 323	.1	680	.3	283
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 277	.7	859	–	488	.2	306
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	2 207	.5	431	–	303	.1	587
353	Line telephone or telegraph apparatus	1 435	.3	57	–	33	–	649
354	Electronic entertainment products, except parts	5 190	1.1	346	–	281	.1	837
355	Computer and office equipment	5 502	1.2	129	–	94	–	553
356	Prepared unrecorded or prerecorded media	1 546	.3	148	–	84	–	864
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	297	–	7	–	S	S	1 075
358	Electronic components and parts	3 113	.7	108	–	51	–	742
359	Other electronic and electrical equipment	12 187	2.7	2 046	.2	1 046	.5	253
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	29 702	6.5	3 077	.3	1 543	.7	259
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	4 574	1.0	792	–	576	.3	218
363	Other vehicles	5 840	1.3	1 343	.1	596	.3	265
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	19 336	4.2	4 003	.4	1 902	.9	178
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	432	–	265	–	221	.1	837
372	Aircraft and spacecraft	1 592	.3	19	–	15	–	656
373	Ships, boats, and floating structures	1 535	.3	129	–	92	–	582
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	635
382	Photographic and photocopying machines	S	S	S	S	1	–	585
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	S	S	–	–	–	–	495
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	1 777	.4	36	–	17	–	510
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	858	.2	23	–	12	–	386

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	7 958	1.7	2 173	.2	1 278	.6	458
401	Arms and ammunition	387	–	23	–	20	–	518
402	Toys, games, and sporting equipment	1 058	.2	181	–	113	–	632
409	Miscellaneous manufactured products	20 657	4.5	7 357	.8	3 136	1.4	535
411	Metallic waste and scrap	1 819	.4	9 815	1.0	2 000	.9	134
412	Nonmetallic waste and scrap, except from food processing	207	–	2 160	.2	S	S	230
439	Mixed freight	17 040	3.7	6 734	.7	1 238	.6	120
—	Commodity unknown	1 877	.4	S	S	S	S	252

– 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	**457 310**	**100.0**	**949 807**	**100.0**	**219 191**	**100.0**	**282**
Single modes	**395 542**	**86.5**	**879 408**	**92.6**	**192 065**	**87.6**	**179**
Truck[1]	363 061	79.4	651 856	68.6	87 421	39.9	155
For-hire truck	228 892	50.1	301 186	31.7	60 929	27.8	479
Private truck	131 699	28.8	346 265	36.5	25 546	11.7	62
Rail	20 947	4.6	150 078	15.8	76 303	34.8	714
Water	5 770	1.3	69 068	7.3	27 624	12.6	165
Shallow draft	4 605	1.0	62 954	6.6	25 269	11.5	163
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	260
Air (includes truck and air)	4 277	.9	96	–	120	–	1 029
Pipeline[2]	1 489	.3	8 310	.9	S	S	S
Multiple modes	**38 299**	**8.4**	**24 144**	**2.5**	**20 257**	**9.2**	**603**
Parcel, U.S. Postal Service or courier	24 821	5.4	1 197	.1	601	.3	601
Truck and rail	12 592	2.8	5 767	.6	3 933	1.8	1 053
Truck and water	360	–	9 111	1.0	4 910	2.2	S
Rail and water	S	S	S	S	S	S	352
Other multiple modes	S	S	S	S	S	S	1 694
Other and unknown modes	**23 469**	**5.1**	**46 255**	**4.9**	**6 869**	**3.1**	**S**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**859**	**100.0**	**803**	**100.0**	**402**	**100.0**	**409**
Single modes	**858**	**99.9**	**803**	**100.0**	**402**	**100.0**	**403**
Truck[1]	858	99.9	803	100.0	402	100.0	403
For-hire truck	666	77.6	528	65.7	362	90.0	647
Private truck	192	22.3	S	S	40	10.0	207
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**436**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	436
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**378**
SCTG 02, CEREAL GRAINS							
Total	**1 323**	**100.0**	**11 306**	**100.0**	**3 965**	**100.0**	**S**
Single modes	**1 275**	**96.4**	**11 048**	**97.7**	**3 862**	**97.4**	**S**
Truck[1]	638	48.2	5 235	46.3	481	12.1	38
For-hire truck	S	S	S	S	239	6.0	99
Private truck	294	22.2	2 232	19.7	220	5.6	S
Rail	213	16.1	2 042	18.1	1 068	26.9	493
Water	425	32.1	3 771	33.4	2 313	58.3	571
Shallow draft	425	32.1	3 771	33.4	2 313	58.3	571
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**572**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	377
Truck and rail	S	S	S	S	S	S	963
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	**4 240**	**100.0**	**9 575**	**100.0**	**4 168**	**100.0**	**78**
Single modes	**3 893**	**91.8**	**7 712**	**80.5**	**3 702**	**88.8**	**64**
Truck[1]	3 267	77.1	5 364	56.0	S	S	62
For-hire truck	1 351	31.9	S	S	S	S	480
Private truck	1 902	44.9	3 043	31.8	268	6.4	45
Rail	S	S	S	S	S	S	723
Water	S	S	S	S	S	S	297
Shallow draft	S	S	S	S	S	S	297
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**86**	**2.0**	**S**	**S**	**S**	**S**	**817**
Parcel, U.S. Postal Service or courier	S	S	2	–	S	S	822
Truck and rail	S	S	S	S	S	S	560
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**4 546**	**100.0**	**16 365**	**100.0**	**2 345**	**100.0**	**S**
Single modes	**4 179**	**91.9**	**15 559**	**95.1**	**2 235**	**95.3**	**26**
Truck[1]	3 769	82.9	13 578	83.0	1 320	56.3	26
For-hire truck	980	21.5	3 224	19.7	670	28.6	245
Private truck	2 771	61.0	10 270	62.8	641	27.3	22
Rail	298	6.6	1 254	7.7	372	15.9	348
Water	S	S	S	S	S	S	739
Shallow draft	S	S	S	S	S	S	739
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	485
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	1 669
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**178**	**3.9**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**11 490**	**100.0**	**5 767**	**100.0**	**2 321**	**100.0**	**148**
Single modes	**11 289**	**98.3**	**5 651**	**98.0**	**2 270**	**97.8**	**148**
Truck[1]	11 269	98.1	5 636	97.7	2 240	96.5	147
For-hire truck	6 254	54.4	3 177	55.1	1 697	73.1	570
Private truck	4 945	43.0	2 402	41.7	529	22.8	96
Rail	S	S	S	S	S	S	284
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	2 727
Pipeline[2]	S	S	S	S	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	526
Truck and rail	S	S	S	S	S	S	917
Truck and water	S	S	S	S	S	S	7 079
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**195**	**1.7**	**113**	**2.0**	**S**	**S**	**84**

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	**5 874**	**100.0**	**5 387**	**100.0**	**2 499**	**100.0**	**107**
Single modes	**5 769**	**98.2**	**5 285**	**98.1**	**2 404**	**96.2**	**102**
Truck[1]	5 580	95.0	4 733	87.9	1 831	73.3	101
For-hire truck	2 543	43.3	2 279	42.3	1 155	46.2	419
Private truck	3 037	51.7	2 454	45.6	676	27.1	84
Rail	189	3.2	552	10.2	572	22.9	1 073
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**38**	**.6**	**49**	**.9**	**74**	**2.9**	**703**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	650
Truck and rail	S	S	48	.9	73	2.9	1 562
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**19 669**	**100.0**	**26 464**	**100.0**	**7 935**	**100.0**	**105**
Single modes	**19 222**	**97.7**	**25 966**	**98.1**	**7 550**	**95.1**	**84**
Truck[1]	17 987	91.4	21 843	82.5	4 420	55.7	81
For-hire truck	6 363	32.4	7 353	27.8	2 849	35.9	562
Private truck	11 431	58.1	13 887	52.5	1 505	19.0	47
Rail	1 025	5.2	3 167	12.0	2 245	28.3	1 112
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	808
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**321**	**1.6**	**S**	**S**	**356**	**4.5**	**628**
Parcel, U.S. Postal Service or courier	40	.2	5	–	2	–	617
Truck and rail	281	1.4	S	S	354	4.5	998
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**125**	**.6**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**5 013**	**100.0**	**3 242**	**100.0**	**937**	**100.0**	**32**
Single modes	**4 757**	**94.9**	**3 009**	**92.8**	**713**	**76.1**	**30**
Truck[1]	4 586	91.5	2 962	91.4	642	68.5	29
For-hire truck	1 949	38.9	918	28.3	590	62.9	423
Private truck	2 637	52.6	2 044	63.1	52	5.6	23
Rail	171	3.4	47	1.5	71	7.6	1 505
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	–	–	–	–	668
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**205**	**4.1**	**S**	**S**	**S**	**S**	**1 168**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	991
Truck and rail	200	4.0	S	S	S	S	1 169
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	5 028
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**39**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	**8 140**	**100.0**	**424**	**100.0**	**185**	**100.0**	**227**
Single modes	**8 051**	**98.9**	**419**	**98.9**	**181**	**98.0**	**174**
Truck[1]	8 050	98.9	419	98.9	181	97.9	174
For-hire truck	6 022	74.0	225	53.2	152	82.2	545
Private truck	1 925	23.6	188	44.4	27	14.4	98
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 816
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**64**	**.8**	**4**	**.8**	**S**	**S**	**899**
Parcel, U.S. Postal Service or courier	64	.8	4	.8	S	S	899
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**31**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**S**	**S**	**138**	**100.0**	**282**
Single modes	**S**	**S**	**S**	**S**	**130**	**94.4**	**281**
Truck[1]	S	S	S	S	109	79.1	265
For-hire truck	S	S	176	23.7	S	S	790
Private truck	S	S	S	S	S	S	S
Rail	S	S	S	S	S	S	548
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	4 616
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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**	**362**
SCTG 11, NATURAL SANDS							
Total	**178**	**100.0**	**29 368**	**100.0**	**3 671**	**100.0**	**55**
Single modes	**173**	**97.4**	**28 420**	**96.8**	**3 348**	**91.2**	**55**
Truck[1]	155	87.4	S	S	S	S	54
For-hire truck	98	55.1	S	S	S	S	S
Private truck	58	32.3	10 378	35.3	393	10.7	24
Rail	S	S	S	S	S	S	409
Water	S	S	S	S	S	S	121
Shallow draft	S	S	S	S	S	S	121
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**2 770**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	2 770
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**4**	**2.3**	**S**	**S**	**S**	**S**	**31**

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	**1 144**	**100.0**	**169 492**	**100.0**	**11 070**	**100.0**	**49**
Single modes	**1 130**	**98.8**	**166 428**	**98.2**	**10 916**	**98.6**	**50**
Truck[1]	1 046	91.5	153 655	90.7	5 987	54.1	48
For-hire truck	436	38.1	66 239	39.1	1 904	17.2	24
Private truck	603	52.7	85 578	50.5	3 993	36.1	65
Rail	28	2.4	3 092	1.8	1 112	10.0	387
Water	55	4.8	9 680	5.7	3 817	34.5	236
Shallow draft	55	4.8	9 680	5.7	3 817	34.5	236
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2**	**.2**	**545**	**.3**	**S**	**S**	**142**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	58
Rail and water	S	S	S	S	S	S	184
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**S**	**S**	**7 819**	**100.0**	**2 374**	**100.0**	**537**
Single modes	**S**	**S**	**7 765**	**99.3**	**2 313**	**97.4**	**517**
Truck[1]	S	S	5 360	68.6	743	31.3	507
For-hire truck	227	20.1	2 094	26.8	558	23.5	290
Private truck	S	S	S	S	185	7.8	562
Rail	122	10.8	2 177	27.8	1 567	66.0	739
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	390
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**21**	**.3**	**33**	**1.4**	**884**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	866
Truck and rail	3	.2	17	.2	S	S	1 678
Truck and water	S	S	S	S	S	S	691
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	3	–	5	.2	1 805
Other and unknown modes	**S**	**S**	**32**	**.4**	**28**	**1.2**	**544**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**607**	**100.0**	**5 900**	**100.0**	**798**	**100.0**	**116**
Single modes	**498**	**82.0**	**5 637**	**95.5**	**S**	**S**	**95**
Truck[1]	406	66.9	5 268	89.3	S	S	94
For-hire truck	237	39.0	5 004	84.8	S	S	92
Private truck	157	25.8	260	4.4	29	3.7	102
Rail	S	S	369	6.3	121	15.2	246
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**73**	**12.0**	**S**	**S**	**S**	**S**	**610**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	606
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	768
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**437**

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	**5 931**	**100.0**	**224 855**	**100.0**	**64 225**	**100.0**	**118**
Single modes	**4 978**	**83.9**	**178 560**	**79.4**	**52 843**	**82.3**	**S**
Truck[1]	1 677	28.3	61 039	27.1	2 280	3.5	38
For-hire truck	1 517	25.6	51 979	23.1	1 982	3.1	38
Private truck	S	S	S	S	S	S	S
Rail	2 808	47.3	96 792	43.0	42 088	65.5	464
Water	492	8.3	20 728	9.2	S	S	418
Shallow draft	492	8.3	20 728	9.2	S	S	418
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**389**	**6.6**	**15 683**	**7.0**	**10 133**	**15.8**	**528**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	S
Truck and water	196	3.3	8 382	3.7	4 513	7.0	527
Rail and water	S	S	S	S	S	S	381
Other multiple modes	S	S	S	S	S	S	1 395
Other and unknown modes	**565**	**9.5**	**30 613**	**13.6**	**1 248**	**1.9**	**132**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**13 369**	**100.0**	**55 883**	**100.0**	**5 388**	**100.0**	**32**
Single modes	**13 346**	**99.8**	**55 781**	**99.8**	**5 380**	**99.9**	**32**
Truck[1]	10 347	77.4	39 294	70.3	1 594	29.6	32
For-hire truck	2 027	15.2	8 739	15.6	478	8.9	53
Private truck	8 297	62.1	30 485	54.6	1 111	20.6	29
Rail	S	S	S	S	S	S	8
Water	2 019	15.1	11 236	20.1	3 280	60.9	250
Shallow draft	1 351	10.1	7 826	14.0	1 740	32.3	205
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	433
Air (includes truck and air)	S	S	S	S	S	S	532
Pipeline[2]	980	7.3	5 251	9.4	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**	**26**
SCTG 18, FUEL OILS							
Total	**4 757**	**100.0**	**23 435**	**100.0**	**S**	**S**	**28**
Single modes	**4 489**	**94.4**	**21 690**	**92.6**	**2 190**	**29.2**	**27**
Truck[1]	3 383	71.1	15 123	64.5	691	9.2	27
For-hire truck	837	17.6	4 309	18.4	291	3.9	52
Private truck	2 533	53.2	10 748	45.9	397	5.3	24
Rail	S	S	S	S	S	S	134
Water	977	20.5	5 757	24.6	1 416	18.9	80
Shallow draft	S	S	S	S	S	S	62
Great Lakes	–	–	–	–	–	–	–
Deep draft	281	5.9	1 856	7.9	S	S	191
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 639**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	42
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	3 117
Other and unknown modes	**8**	**.2**	**45**	**.2**	**S**	**S**	**25**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**3 116**	**100.0**	**14 406**	**100.0**	**2 878**	**100.0**	**75**
Single modes	**3 001**	**96.3**	**12 833**	**89.1**	**2 843**	**98.8**	**73**
Truck[1]	2 434	78.1	9 424	65.4	1 209	42.0	67
For-hire truck	1 001	32.1	4 660	32.3	950	33.0	310
Private truck	1 430	45.9	4 750	33.0	256	8.9	33
Rail	315	10.1	1 859	12.9	1 318	45.8	716
Water	201	6.5	S	S	316	11.0	226
Shallow draft	S	S	S	S	S	S	77
Great Lakes	–	–	–	–	–	–	–
Deep draft	146	4.7	587	4.1	220	7.7	412
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**17**	**.5**	**9**	**–**	**17**	**.6**	**S**
Parcel, U.S. Postal Service or courier	12	.4	S	S	S	S	269
Truck and rail	4	.1	7	–	16	.6	2 308
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**10 989**	**100.0**	**16 993**	**100.0**	**7 107**	**100.0**	**291**
Single modes	**9 667**	**88.0**	**16 432**	**96.7**	**6 674**	**93.9**	**212**
Truck[1]	6 891	62.7	7 401	43.6	2 359	33.2	191
For-hire truck	5 916	53.8	4 689	27.6	1 901	26.8	516
Private truck	974	8.9	2 712	16.0	457	6.4	120
Rail	2 226	20.3	6 290	37.0	3 484	49.0	545
Water	S	S	S	S	S	S	495
Shallow draft	S	S	S	S	S	S	518
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	85
Air (includes truck and air)	S	S	S	S	S	S	1 325
Pipeline[2]	215	2.0	1 140	6.7	S	S	S
Multiple modes	**769**	**7.0**	**98**	**.6**	**137**	**1.9**	**399**
Parcel, U.S. Postal Service or courier	537	4.9	S	S	S	S	396
Truck and rail	232	2.1	85	.5	131	1.8	1 662
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**10 541**	**100.0**	**785**	**100.0**	**132**	**100.0**	**395**
Single modes	**7 459**	**70.8**	**720**	**91.6**	**95**	**72.2**	**173**
Truck[1]	7 364	69.9	717	91.3	93	70.7	163
For-hire truck	2 332	22.1	169	21.5	60	45.7	287
Private truck	5 032	47.7	S	S	33	25.0	137
Rail	S	S	S	S	S	S	104
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 890
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 664**	**25.3**	**35**	**4.5**	**15**	**11.2**	**563**
Parcel, U.S. Postal Service or courier	2 664	25.3	35	4.4	14	10.6	563
Truck and rail	S	S	S	S	S	S	1 972
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**418**	**4.0**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 22, FERTILIZERS							
Total	**1 212**	**100.0**	**6 602**	**100.0**	**3 462**	**100.0**	**80**
Single modes	**1 050**	**86.6**	**5 739**	**86.9**	**1 384**	**40.0**	**85**
Truck[1]	895	73.9	4 533	68.7	1 010	29.2	82
For-hire truck	367	30.3	S	S	S	S	419
Private truck	526	43.4	2 724	41.3	338	9.8	42
Rail	98	8.1	706	10.7	367	10.6	520
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**697**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	697
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**10 423**	**100.0**	**4 646**	**100.0**	**2 191**	**100.0**	**227**
Single modes	**9 547**	**91.6**	**4 443**	**95.6**	**2 061**	**94.1**	**201**
Truck[1]	8 458	81.1	3 913	84.2	1 744	79.6	197
For-hire truck	5 180	49.7	2 604	56.0	1 550	70.7	559
Private truck	3 266	31.3	1 305	28.1	189	8.6	105
Rail	S	S	S	S	S	S	646
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	S	S	989
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**468**	**4.5**	**59**	**1.3**	**60**	**2.7**	**387**
Parcel, U.S. Postal Service or courier	270	2.6	25	.5	10	.5	385
Truck and rail	190	1.8	S	S	38	1.7	1 094
Truck and water	S	S	S	S	S	S	7 309
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	4 504
Other and unknown modes	**408**	**3.9**	**144**	**3.1**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**21 244**	**100.0**	**7 830**	**100.0**	**4 585**	**100.0**	**247**
Single modes	**19 360**	**91.1**	**7 582**	**96.8**	**4 386**	**95.7**	**201**
Truck[1]	18 084	85.1	6 702	85.6	3 593	78.4	192
For-hire truck	13 717	64.6	5 080	64.9	3 234	70.5	541
Private truck	4 266	20.1	1 523	19.5	349	7.6	70
Rail	1 224	5.8	873	11.2	786	17.2	1 149
Water	S	S	S	S	S	S	144
Shallow draft	S	S	S	S	S	S	144
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	48	.2	S	S	6	.1	916
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 490**	**7.0**	**114**	**1.5**	**79**	**1.7**	**483**
Parcel, U.S. Postal Service or courier	477	2.2	24	.3	13	.3	481
Truck and rail	S	S	84	1.1	61	1.3	742
Truck and water	S	S	S	S	S	S	7 274
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	706
Other and unknown modes	**393**	**1.9**	**133**	**1.7**	**119**	**2.6**	**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 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**1 795**	**100.0**	**57 314**	**100.0**	**4 974**	**100.0**	**72**
Single modes	**1 671**	**93.1**	**56 301**	**98.2**	**4 793**	**96.4**	**68**
Truck[1]	1 522	84.8	52 360	91.4	2 599	52.3	65
For-hire truck	654	36.4	15 778	27.5	994	20.0	S
Private truck	868	48.3	36 582	63.8	1 604	32.3	52
Rail	149	8.3	S	S	S	S	254
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**	**552**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	552
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**56**	**3.1**	**698**	**1.2**	**43**	**.9**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**11 304**	**100.0**	**35 467**	**100.0**	**8 971**	**100.0**	**158**
Single modes	**10 936**	**96.7**	**34 790**	**98.1**	**8 689**	**96.9**	**139**
Truck[1]	9 887	87.5	28 181	79.5	5 547	61.8	133
For-hire truck	4 886	43.2	13 074	36.9	3 643	40.6	335
Private truck	4 889	43.2	14 771	41.6	1 760	19.6	78
Rail	908	8.0	3 681	10.4	2 051	22.9	623
Water	S	S	S	S	S	S	200
Shallow draft	S	S	S	S	S	S	200
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	861
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**99**	**.9**	**99**	**.3**	**93**	**1.0**	**540**
Parcel, U.S. Postal Service or courier	30	.3	4	–	2	–	532
Truck and rail	70	.6	95	.3	91	1.0	960
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**268**	**2.4**	**578**	**1.6**	**188**	**2.1**	**108**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**11 094**	**100.0**	**20 427**	**100.0**	**13 362**	**100.0**	**183**
Single modes	**10 643**	**95.9**	**19 419**	**95.1**	**12 701**	**95.1**	**179**
Truck[1]	6 726	60.6	10 130	49.6	4 851	36.3	144
For-hire truck	5 302	47.8	8 331	40.8	4 523	33.9	444
Private truck	1 398	12.6	1 778	8.7	319	2.4	44
Rail	3 868	34.9	9 160	44.8	7 841	58.7	845
Water	S	S	S	S	S	S	267
Shallow draft	S	S	S	S	S	S	267
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	721
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**243**	**2.2**	**663**	**3.2**	**533**	**4.0**	**298**
Parcel, U.S. Postal Service or courier	26	.2	6	–	1	–	230
Truck and rail	190	1.7	596	2.9	501	3.7	899
Truck and water	S	S	S	S	S	S	828
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**209**	**1.9**	**346**	**1.7**	**127**	**1.0**	**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	**5 353**	**100.0**	**4 150**	**100.0**	**1 230**	**100.0**	**285**
Single modes	**4 997**	**93.3**	**4 050**	**97.6**	**1 171**	**95.2**	**124**
Truck[1]	4 943	92.3	4 028	97.1	1 153	93.7	99
For-hire truck	2 984	55.7	2 427	58.5	909	73.9	280
Private truck	1 960	36.6	1 601	38.6	244	19.8	57
Rail	43	.8	S	S	S	S	863
Water	S	S	S	S	S	S	32
Shallow draft	S	S	S	S	S	S	32
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	1	–	1 245
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**254**	**4.8**	**37**	**.9**	**36**	**2.9**	**656**
Parcel, U.S. Postal Service or courier	229	4.3	21	.5	10	.8	655
Truck and rail	S	S	S	S	S	S	1 547
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**102**	**1.9**	**62**	**1.5**	**23**	**1.9**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**16 126**	**100.0**	**4 373**	**100.0**	**1 927**	**100.0**	**275**
Single modes	**11 552**	**71.6**	**3 542**	**81.0**	**1 599**	**83.0**	**303**
Truck[1]	11 434	70.9	3 526	80.6	1 573	81.6	194
For-hire truck	7 926	49.2	2 444	55.9	1 478	76.7	580
Private truck	3 280	20.3	1 061	24.3	94	4.9	S
Rail	13	–	7	.2	17	.9	1 958
Water	S	S	S	S	S	S	14
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	10
Air (includes truck and air)	105	.6	9	.2	9	.5	816
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**3 709**	**23.0**	**367**	**8.4**	**293**	**15.2**	**639**
Parcel, U.S. Postal Service or courier	3 590	22.3	294	6.7	140	7.3	639
Truck and rail	119	.7	74	1.7	153	8.0	2 117
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**866**	**5.4**	**464**	**10.6**	**35**	**1.8**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**35 878**	**100.0**	**4 843**	**100.0**	**2 718**	**100.0**	**719**
Single modes	**32 862**	**91.6**	**4 616**	**95.3**	**2 538**	**93.4**	**707**
Truck[1]	32 779	91.4	4 608	95.1	2 529	93.0	703
For-hire truck	23 036	64.2	3 089	63.8	2 201	81.0	832
Private truck	9 607	26.8	1 484	30.6	319	11.7	149
Rail	S	S	S	S	S	S	1 126
Water	S	S	S	S	S	S	41
Shallow draft	S	S	S	S	S	S	41
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	69	.2	5	.1	6	.2	1 129
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 302**	**6.4**	**161**	**3.3**	**153**	**5.6**	**752**
Parcel, U.S. Postal Service or courier	2 113	5.9	98	2.0	73	2.7	752
Truck and rail	189	.5	63	1.3	80	2.9	1 308
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**715**	**2.0**	**66**	**1.4**	**28**	**1.0**	**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 31, NONMETALLIC MINERAL PRODUCTS							
Total	**8 393**	**100.0**	**82 022**	**100.0**	**7 281**	**100.0**	**120**
Single modes	**7 896**	**94.1**	**80 790**	**98.5**	**6 778**	**93.1**	**92**
Truck[1]	7 518	89.6	76 079	92.8	5 205	71.5	88
For-hire truck	4 178	49.8	20 976	25.6	3 639	50.0	333
Private truck	3 340	39.8	55 103	67.2	1 566	21.5	36
Rail	263	3.1	2 531	3.1	1 182	16.2	610
Water	107	1.3	2 176	2.7	386	5.3	S
Shallow draft	107	1.3	2 176	2.7	386	5.3	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	8	–	4	–	4	–	1 072
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**228**	**2.7**	**276**	**.3**	**161**	**2.2**	**630**
Parcel, U.S. Postal Service or courier	99	1.2	9	–	4	–	619
Truck and rail	S	S	168	.2	125	1.7	1 442
Truck and water	8	–	S	S	S	S	2 903
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**956**	**1.2**	**341**	**4.7**	**125**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**22 928**	**100.0**	**25 079**	**100.0**	**11 085**	**100.0**	**241**
Single modes	**22 106**	**96.4**	**24 004**	**95.7**	**10 582**	**95.5**	**208**
Truck[1]	19 530	85.2	19 535	77.9	6 649	60.0	195
For-hire truck	14 399	62.8	13 735	54.8	5 756	51.9	452
Private truck	5 076	22.1	5 739	22.9	881	7.9	103
Rail	2 439	10.6	3 413	13.6	3 473	31.3	1 045
Water	106	.5	S	S	S	S	190
Shallow draft	106	.5	S	S	S	S	190
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	913
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**417**	**1.8**	**105**	**.4**	**74**	**.7**	**406**
Parcel, U.S. Postal Service or courier	342	1.5	22	–	9	–	405
Truck and rail	64	.3	33	.1	58	.5	1 806
Truck and water	S	S	S	S	S	S	149
Rail and water	–	–	–	–	–	–	5 387
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**405**	**1.8**	**970**	**3.9**	**429**	**3.9**	**166**
SCTG 33, ARTICLES OF BASE METAL							
Total	**15 206**	**100.0**	**8 850**	**100.0**	**5 210**	**100.0**	**355**
Single modes	**13 524**	**88.9**	**8 482**	**95.8**	**4 958**	**95.2**	**212**
Truck[1]	12 408	81.6	6 698	75.7	3 024	58.0	201
For-hire truck	8 305	54.6	4 741	53.6	2 537	48.7	592
Private truck	3 943	25.9	1 741	19.7	367	7.0	65
Rail	945	6.2	1 547	17.5	1 578	30.3	1 082
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	49	.3	S	S	S	S	1 025
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 292**	**8.5**	**166**	**1.9**	**S**	**S**	**624**
Parcel, U.S. Postal Service or courier	1 185	7.8	56	.6	31	.6	623
Truck and rail	60	.4	16	.2	20	.4	1 264
Truck and water	S	S	S	S	S	S	5 479
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**390**	**2.6**	**202**	**2.3**	**60**	**1.1**	**59**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	**31 067**	**100.0**	**4 362**	**100.0**	**2 428**	**100.0**	**282**
Single modes	**27 131**	**87.3**	**4 089**	**93.7**	**2 232**	**91.9**	**198**
Truck[1]	26 207	84.4	3 961	90.8	2 130	87.7	163
For-hire truck	20 471	65.9	3 092	70.9	1 889	77.8	478
Private truck	5 736	18.5	869	19.9	241	9.9	52
Rail	S	S	S	S	S	S	741
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	454	1.5	12	.3	13	.5	1 178
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**2 753**	**8.9**	**120**	**2.7**	**136**	**5.6**	**421**
Parcel, U.S. Postal Service or courier	2 582	8.3	73	1.7	38	1.5	420
Truck and rail	165	.5	45	1.0	S	S	1 642
Truck and water	S	S	S	S	S	S	7 406
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 183**	**3.8**	**154**	**3.5**	**60**	**2.5**	**122**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**34 754**	**100.0**	**4 131**	**100.0**	**2 387**	**100.0**	**485**
Single modes	**29 328**	**84.4**	**3 944**	**95.5**	**2 246**	**94.1**	**244**
Truck[1]	27 210	78.3	3 897	94.3	2 157	90.4	199
For-hire truck	22 060	63.5	2 944	71.3	1 856	77.8	604
Private truck	4 487	12.9	855	20.7	220	9.2	47
Rail	S	S	33	.8	76	3.2	2 186
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 930	5.6	14	.3	13	.5	1 078
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 255**	**12.2**	**92**	**2.2**	**93**	**3.9**	**753**
Parcel, U.S. Postal Service or courier	4 140	11.9	78	1.9	58	2.4	752
Truck and rail	115	.3	14	.3	35	1.5	2 540
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 171**	**3.4**	**95**	**2.3**	**48**	**2.0**	**83**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**59 453**	**100.0**	**9 217**	**100.0**	**4 618**	**100.0**	**191**
Single modes	**37 163**	**62.5**	**6 819**	**74.0**	**3 310**	**71.7**	**117**
Truck[1]	36 327	61.1	6 744	73.2	3 260	70.6	108
For-hire truck	29 908	50.3	5 172	56.1	2 782	60.2	323
Private truck	6 314	10.6	1 552	16.8	470	10.2	46
Rail	S	S	66	.7	41	.9	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	150	.3	9	.1	9	.2	996
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**10 068**	**16.9**	**1 091**	**11.8**	**1 096**	**23.7**	**431**
Parcel, U.S. Postal Service or courier	1 055	1.8	62	.7	27	.6	397
Truck and rail	9 009	15.2	1 028	11.2	1 070	23.2	1 035
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	17
Other and unknown modes	**12 222**	**20.6**	**1 307**	**14.2**	**212**	**4.6**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**3 559**	**100.0**	**413**	**100.0**	**329**	**100.0**	**662**
Single modes	**2 867**	**80.5**	**392**	**94.9**	**300**	**91.0**	**609**
Truck[1]	2 331	65.5	300	72.5	201	61.1	461
For-hire truck	1 632	45.8	233	56.3	155	47.1	633
Private truck	641	18.0	62	15.0	40	12.1	S
Rail	S	S	89	21.4	95	28.8	1 132
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	448	12.6	S	S	S	S	1 140
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**391**	**11.0**	**10**	**2.4**	**18**	**5.6**	**715**
Parcel, U.S. Postal Service or courier	386	10.9	S	S	S	S	714
Truck and rail	S	S	6	1.5	S	S	2 480
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**301**	**8.5**	**11**	**2.7**	**11**	**3.4**	**650**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**3 483**	**100.0**	**98**	**100.0**	**57**	**100.0**	**579**
Single modes	**1 566**	**44.9**	**53**	**53.9**	**24**	**43.3**	**422**
Truck[1]	934	26.8	51	51.8	23	40.1	249
For-hire truck	573	16.5	40	40.3	22	38.1	738
Private truck	360	10.3	11	11.5	S	S	85
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	15
Shallow draft	S	S	S	S	S	S	15
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	632	18.1	2	2.0	2	3.1	1 035
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**1 705**	**48.9**	**20**	**20.8**	**14**	**24.1**	**606**
Parcel, U.S. Postal Service or courier	1 700	48.8	20	20.7	13	23.6	606
Truck and rail	S	S	S	S	S	S	2 472
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**284**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**7 958**	**100.0**	**2 173**	**100.0**	**1 278**	**100.0**	**458**
Single modes	**7 709**	**96.9**	**2 122**	**97.7**	**1 222**	**95.6**	**446**
Truck[1]	7 672	96.4	2 119	97.5	1 215	95.1	436
For-hire truck	4 143	52.1	1 030	47.4	703	55.0	786
Private truck	3 341	42.0	1 036	47.7	469	36.7	187
Rail	21	.3	3	.2	6	.5	2 168
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	15	.2	–	–	–	–	1 010
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**107**	**1.3**	**18**	**.8**	**25**	**2.0**	**733**
Parcel, U.S. Postal Service or courier	78	1.0	8	.4	6	.5	726
Truck and rail	29	.4	10	.4	S	S	1 841
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**143**	**1.8**	**33**	**1.5**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**22 102**	**100.0**	**7 561**	**100.0**	**3 269**	**100.0**	**541**
Single modes	**18 655**	**84.4**	**7 277**	**96.3**	**3 043**	**93.1**	**375**
Truck[1]	18 407	83.3	7 181	95.0	2 982	91.2	233
For-hire truck	10 625	48.1	4 300	56.9	2 073	63.4	618
Private truck	7 647	34.6	2 507	33.2	627	19.2	72
Rail	S	S	42	.6	51	1.6	1 237
Water	S	S	S	S	S	S	68
Shallow draft	S	S	S	S	S	S	68
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	169	.8	4	–	6	.2	1 250
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 909**	**13.2**	**179**	**2.4**	**171**	**5.2**	**694**
Parcel, U.S. Postal Service or courier	2 812	12.7	154	2.0	122	3.7	693
Truck and rail	S	S	25	.3	S	S	2 164
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**539**	**2.4**	**104**	**1.4**	**55**	**1.7**	**168**
SCTG 41, WASTE AND SCRAP							
Total	**2 026**	**100.0**	**11 974**	**100.0**	**2 682**	**100.0**	**152**
Single modes	**1 968**	**97.2**	**11 690**	**97.6**	**2 581**	**96.2**	**156**
Truck[1]	1 262	62.3	6 872	57.4	914	34.1	128
For-hire truck	758	37.4	4 112	34.3	708	26.4	182
Private truck	503	24.8	2 761	23.1	207	7.7	72
Rail	573	28.3	4 009	33.5	1 366	50.9	332
Water	110	5.4	747	6.2	301	11.2	401
Shallow draft	110	5.4	747	6.2	301	11.2	401
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 909
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 495**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 067
Truck and rail	S	S	S	S	S	S	2 082
Truck and water	S	S	S	S	S	S	462
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35**	**1.7**	**222**	**1.9**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**17 040**	**100.0**	**6 734**	**100.0**	**1 238**	**100.0**	**120**
Single modes	**16 309**	**95.7**	**6 516**	**96.8**	**1 155**	**93.3**	**104**
Truck[1]	16 306	95.7	6 515	96.8	1 154	93.3	102
For-hire truck	6 058	35.6	2 003	29.7	539	43.5	337
Private truck	10 248	60.1	4 513	67.0	616	49.8	81
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 192
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**109**	**.6**	**S**	**S**	**S**	**S**	**610**
Parcel, U.S. Postal Service or courier	66	.4	6	–	4	.3	604
Truck and rail	S	S	S	S	S	S	1 529
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	**1 877**	**100.0**	**S**	**S**	**S**	**S**	**252**
Single modes	**1 468**	**78.2**	**S**	**S**	**S**	**S**	**242**
Truck[1]	1 444	76.9	S	S	S	S	234
For-hire truck	595	31.7	S	S	155	4.0	353
Private truck	S	S	S	S	S	S	214
Rail	S	S	S	S	S	S	527
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	5	.3	–	–	–	–	810
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**256**
Parcel, U.S. Postal Service or courier	128	6.8	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	876
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**106**	**5.6**	**29**	**.2**	**16**	**.4**	**308**

– 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	**457 310**	**949 807**	**219 191**
Less than 50 miles	102 550	476 712	10 419
50 to 99 miles	39 853	120 249	12 917
100 to 249 miles	77 985	142 837	37 845
250 to 499 miles	106 795	125 476	66 372
500 to 749 miles	65 740	58 570	51 162
750 to 999 miles	26 320	13 458	14 497
1,000 to 1,499 miles	11 447	4 053	5 893
1,500 to 1,999 miles	23 091	6 713	15 257
2,000 miles or more	3 529	1 742	4 829
SCTG 01, Live animals and live fish	**859**	**803**	**402**
Less than 50 miles	157	S	S
50 to 99 miles	S	S	S
100 to 249 miles	51	43	9
250 to 499 miles	137	160	S
500 to 749 miles	S	S	S
750 to 999 miles	203	127	126
1,000 to 1,499 miles	21	13	16
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**1 323**	**11 306**	**3 965**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	115	933	260
250 to 499 miles	175	1 557	831
500 to 749 miles	320	2 812	2 645
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**4 240**	**9 575**	**4 168**
Less than 50 miles	1 131	S	S
50 to 99 miles	428	602	53
100 to 249 miles	663	803	149
250 to 499 miles	917	2 115	S
500 to 749 miles	689	2 695	2 413
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	354	202	396
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**4 546**	**16 365**	**2 345**
Less than 50 miles	2 777	10 063	264
50 to 99 miles	474	1 858	173
100 to 249 miles	595	2 404	498
250 to 499 miles	351	961	437
500 to 749 miles	242	S	S
750 to 999 miles	27	62	66
1,000 to 1,499 miles	S	9	11
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**11 490**	**5 767**	**2 321**
Less than 50 miles	2 018	997	28
50 to 99 miles	1 376	741	72
100 to 249 miles	2 946	1 663	341
250 to 499 miles	2 280	1 090	484
500 to 749 miles	1 671	735	537
750 to 999 miles	623	240	244
1,000 to 1,499 miles	176	78	110
1,500 to 1,999 miles	323	165	345
2,000 miles or more	75	58	160
SCTG 06, Milled grain products and preparations, and bakery products	**5 874**	**5 387**	**2 499**
Less than 50 miles	1 144	1 040	22
50 to 99 miles	600	707	69
100 to 249 miles	976	1 035	210
250 to 499 miles	1 478	1 095	496
500 to 749 miles	879	733	545
750 to 999 miles	360	353	388
1,000 to 1,499 miles	159	194	275
1,500 to 1,999 miles	276	229	493
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**19 669**	**26 464**	**7 935**
Less than 50 miles	6 048	8 207	181
50 to 99 miles	3 388	4 836	465
100 to 249 miles	3 828	5 765	1 193
250 to 499 miles	3 071	3 947	2 001
500 to 749 miles	1 822	2 465	2 108
750 to 999 miles	786	711	768
1,000 to 1,499 miles	79	70	96
1,500 to 1,999 miles	599	435	S
2,000 miles or more	49	29	71

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	**5 013**	**3 242**	**937**
Less than 50 miles	2 564	2 000	38
50 to 99 miles	285	102	9
100 to 249 miles	319	124	25
250 to 499 miles	896	521	241
500 to 749 miles	390	134	100
750 to 999 miles	250	243	255
1,000 to 1,499 miles	54	12	18
1,500 to 1,999 miles	234	97	220
2,000 miles or more	21	9	S
SCTG 09, Tobacco products	**8 140**	**424**	**185**
Less than 50 miles	1 473	120	3
50 to 99 miles	577	36	3
100 to 249 miles	781	61	13
250 to 499 miles	2 773	117	57
500 to 749 miles	1 199	46	33
750 to 999 miles	S	15	14
1,000 to 1,499 miles	S	4	5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**138**
Less than 50 miles	S	S	S
50 to 99 miles	S	15	2
100 to 249 miles	7	59	11
250 to 499 miles	S	99	46
500 to 749 miles	S	39	28
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**178**	**29 368**	**3 671**
Less than 50 miles	72	12 803	303
50 to 99 miles	S	S	S
100 to 249 miles	13	S	S
250 to 499 miles	60	1 522	599
500 to 749 miles	S	5	4
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 12, Gravel and crushed stone	**1 144**	**169 492**	**11 070**
Less than 50 miles	811	132 832	2 105
50 to 99 miles	107	17 767	1 578
100 to 249 miles	85	12 867	3 231
250 to 499 miles	28	3 486	1 705
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	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**7 819**	**2 374**
Less than 50 miles	100	S	88
50 to 99 miles	S	372	38
100 to 249 miles	S	1 076	231
250 to 499 miles	136	1 350	702
500 to 749 miles	80	901	748
750 to 999 miles	27	376	410
1,000 to 1,499 miles	S	47	64
1,500 to 1,999 miles	15	39	86
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**607**	**5 900**	**798**
Less than 50 miles	106	2 852	S
50 to 99 miles	99	S	S
100 to 249 miles	148	S	428
250 to 499 miles	166	160	95
500 to 749 miles	59	31	23
750 to 999 miles	25	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	**5 931**	**224 855**	**64 225**
Less than 50 miles	2 570	100 162	2 936
50 to 99 miles	497	20 704	3 714
100 to 249 miles	1 188	41 920	14 485
250 to 499 miles	1 256	45 396	25 260
500 to 749 miles	412	16 578	17 557
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

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	**13 369**	**55 883**	**5 388**
Less than 50 miles	8 192	30 767	620
50 to 99 miles	2 479	10 694	1 033
100 to 249 miles	2 004	10 868	1 990
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**4 757**	**23 435**	**S**
Less than 50 miles	2 930	13 132	256
50 to 99 miles	608	3 246	306
100 to 249 miles	732	3 944	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	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**3 116**	**14 406**	**2 878**
Less than 50 miles	1 161	7 382	113
50 to 99 miles	622	2 345	213
100 to 249 miles	373	1 534	274
250 to 499 miles	503	1 797	913
500 to 749 miles	253	918	728
750 to 999 miles	133	238	249
1,000 to 1,499 miles	29	59	83
1,500 to 1,999 miles	43	133	303
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**10 989**	**16 993**	**7 107**
Less than 50 miles	1 667	3 692	94
50 to 99 miles	597	1 381	138
100 to 249 miles	1 511	3 698	897
250 to 499 miles	2 985	4 882	2 535
500 to 749 miles	2 278	2 056	1 605
750 to 999 miles	1 182	811	878
1,000 to 1,499 miles	266	162	225
1,500 to 1,999 miles	482	301	705
2,000 miles or more	21	10	30
SCTG 21, Pharmaceutical products	**10 541**	**785**	**132**
Less than 50 miles	1 602	S	S
50 to 99 miles	1 257	35	3
100 to 249 miles	4 543	173	27
250 to 499 miles	1 663	S	19
500 to 749 miles	787	19	14
750 to 999 miles	355	S	S
1,000 to 1,499 miles	134	11	S
1,500 to 1,999 miles	193	S	S
2,000 miles or more	S	–	1
SCTG 22, Fertilizers	**1 212**	**6 602**	**3 462**
Less than 50 miles	434	2 409	52
50 to 99 miles	107	665	64
100 to 249 miles	205	1 038	227
250 to 499 miles	182	1 036	462
500 to 749 miles	113	574	425
750 to 999 miles	26	126	126
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**10 423**	**4 646**	**2 191**
Less than 50 miles	2 471	1 028	24
50 to 99 miles	908	390	40
100 to 249 miles	1 549	720	153
250 to 499 miles	2 900	1 402	684
500 to 749 miles	1 280	523	387
750 to 999 miles	555	257	271
1,000 to 1,499 miles	218	76	100
1,500 to 1,999 miles	509	236	491
2,000 miles or more	S	13	41
SCTG 24, Plastics and rubber	**21 244**	**7 830**	**4 585**
Less than 50 miles	2 824	1 002	20
50 to 99 miles	1 318	486	49
100 to 249 miles	3 124	1 165	259
250 to 499 miles	6 360	2 053	970
500 to 749 miles	4 050	1 656	1 236
750 to 999 miles	1 871	864	902
1,000 to 1,499 miles	596	221	318
1,500 to 1,999 miles	998	347	740
2,000 miles or more	103	35	91

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	**1 795**	**57 314**	**4 974**
Less than 50 miles	962	39 345	1 103
50 to 99 miles	358	13 308	1 181
100 to 249 miles	152	2 564	444
250 to 499 miles	128	273	134
500 to 749 miles	S	S	S
750 to 999 miles	49	S	S
1,000 to 1,499 miles	31	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**11 304**	**35 467**	**8 971**
Less than 50 miles	2 906	10 442	291
50 to 99 miles	1 705	8 708	801
100 to 249 miles	2 576	8 796	2 299
250 to 499 miles	1 786	3 760	1 740
500 to 749 miles	1 257	2 246	1 740
750 to 999 miles	591	960	1 013
1,000 to 1,499 miles	188	244	356
1,500 to 1,999 miles	233	238	543
2,000 miles or more	62	73	189
SCTG 27, Pulp, newsprint, paper, and paperboard	**11 094**	**20 427**	**13 362**
Less than 50 miles	1 432	1 625	36
50 to 99 miles	876	1 642	161
100 to 249 miles	1 541	3 674	925
250 to 499 miles	2 700	5 074	2 699
500 to 749 miles	2 274	3 969	3 224
750 to 999 miles	1 314	2 851	3 141
1,000 to 1,499 miles	392	718	1 067
1,500 to 1,999 miles	514	789	1 869
2,000 miles or more	51	85	239
SCTG 28, Paper or paperboard articles	**5 353**	**4 150**	**1 230**
Less than 50 miles	1 585	1 468	36
50 to 99 miles	598	597	54
100 to 249 miles	980	836	169
250 to 499 miles	926	588	261
500 to 749 miles	721	369	273
750 to 999 miles	221	120	121
1,000 to 1,499 miles	128	86	124
1,500 to 1,999 miles	151	65	140
2,000 miles or more	43	21	53
SCTG 29, Printed products	**16 126**	**4 373**	**1 927**
Less than 50 miles	4 204	1 573	27
50 to 99 miles	528	120	10
100 to 249 miles	2 580	523	120
250 to 499 miles	3 775	930	414
500 to 749 miles	2 891	718	535
750 to 999 miles	718	192	187
1,000 to 1,499 miles	307	77	103
1,500 to 1,999 miles	1 035	220	480
2,000 miles or more	88	20	50
SCTG 30, Textiles, leather, and articles of textiles or leather	**35 878**	**4 843**	**2 718**
Less than 50 miles	5 108	819	20
50 to 99 miles	2 841	416	38
100 to 249 miles	4 881	786	167
250 to 499 miles	7 566	1 183	528
500 to 749 miles	5 990	715	530
750 to 999 miles	2 934	349	353
1,000 to 1,499 miles	1 425	173	235
1,500 to 1,999 miles	4 838	382	793
2,000 miles or more	296	21	54
SCTG 31, Nonmetallic mineral products	**8 393**	**82 022**	**7 281**
Less than 50 miles	2 828	61 422	1 118
50 to 99 miles	840	6 619	646
100 to 249 miles	1 584	8 027	1 732
250 to 499 miles	1 627	3 954	1 837
500 to 749 miles	975	1 441	1 075
750 to 999 miles	201	259	261
1,000 to 1,499 miles	89	120	171
1,500 to 1,999 miles	S	110	251
2,000 miles or more	84	70	189
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**22 928**	**25 079**	**11 085**
Less than 50 miles	3 369	4 856	112
50 to 99 miles	1 775	2 328	217
100 to 249 miles	4 772	6 224	1 453
250 to 499 miles	6 641	6 349	3 058
500 to 749 miles	3 399	3 341	2 509
750 to 999 miles	999	619	620
1,000 to 1,499 miles	597	310	454
1,500 to 1,999 miles	1 151	952	2 372
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	**15 206**	**8 850**	**5 210**
Less than 50 miles	2 846	1 285	28
50 to 99 miles	1 009	530	50
100 to 249 miles	2 458	1 704	377
250 to 499 miles	3 492	1 862	837
500 to 749 miles	3 054	2 079	1 584
750 to 999 miles	1 165	738	917
1,000 to 1,499 miles	304	173	248
1,500 to 1,999 miles	723	366	861
2,000 miles or more	154	S	S
SCTG 34, Machinery	**31 067**	**4 362**	**2 428**
Less than 50 miles	5 078	670	13
50 to 99 miles	1 823	243	22
100 to 249 miles	4 079	604	127
250 to 499 miles	10 644	1 389	668
500 to 749 miles	5 114	861	642
750 to 999 miles	2 082	265	267
1,000 to 1,499 miles	788	88	126
1,500 to 1,999 miles	1 173	189	418
2,000 miles or more	287	53	145
SCTG 35, Electronic and other electrical equipment and components and office equipment	**34 754**	**4 131**	**2 387**
Less than 50 miles	4 925	664	14
50 to 99 miles	1 597	217	19
100 to 249 miles	5 417	634	128
250 to 499 miles	8 548	1 181	522
500 to 749 miles	6 030	645	477
750 to 999 miles	3 116	312	316
1,000 to 1,499 miles	2 109	165	222
1,500 to 1,999 miles	2 411	280	602
2,000 miles or more	S	33	86
SCTG 36, Motorized and other vehicles (including parts)	**59 453**	**9 217**	**4 618**
Less than 50 miles	15 000	2 193	40
50 to 99 miles	2 494	535	50
100 to 249 miles	6 465	1 324	292
250 to 499 miles	18 096	2 718	1 276
500 to 749 miles	8 576	1 268	983
750 to 999 miles	3 100	422	440
1,000 to 1,499 miles	1 941	254	369
1,500 to 1,999 miles	3 409	429	981
2,000 miles or more	372	74	187
SCTG 37, Transportation equipment, n.e.c.	**3 559**	**413**	**329**
Less than 50 miles	S	8	–
50 to 99 miles	S	S	S
100 to 249 miles	561	49	11
250 to 499 miles	1 001	122	59
500 to 749 miles	880	154	114
750 to 999 miles	293	16	15
1,000 to 1,499 miles	129	S	S
1,500 to 1,999 miles	202	26	60
2,000 miles or more	334	14	38
SCTG 38, Precision instruments and apparatus	**3 483**	**98**	**57**
Less than 50 miles	323	8	–
50 to 99 miles	202	5	–
100 to 249 miles	638	18	4
250 to 499 miles	811	28	12
500 to 749 miles	756	19	14
750 to 999 miles	349	7	7
1,000 to 1,499 miles	166	9	11
1,500 to 1,999 miles	209	3	6
2,000 miles or more	29	–	1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**7 958**	**2 173**	**1 278**
Less than 50 miles	1 338	324	7
50 to 99 miles	299	86	8
100 to 249 miles	909	249	54
250 to 499 miles	1 948	580	279
500 to 749 miles	2 059	552	392
750 to 999 miles	745	199	203
1,000 to 1,499 miles	272	96	130
1,500 to 1,999 miles	291	63	139
2,000 miles or more	97	23	65
SCTG 40, Miscellaneous manufactured products	**22 102**	**7 561**	**3 269**
Less than 50 miles	3 521	1 322	37
50 to 99 miles	2 443	902	86
100 to 249 miles	4 091	1 740	361
250 to 499 miles	5 143	1 834	817
500 to 749 miles	3 319	866	633
750 to 999 miles	1 281	343	350
1,000 to 1,499 miles	566	284	399
1,500 to 1,999 miles	1 479	227	476
2,000 miles or more	259	43	112

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	**2 026**	**11 974**	**2 682**
Less than 50 miles	525	3 721	86
50 to 99 miles	219	1 704	175
100 to 249 miles	589	3 686	850
250 to 499 miles	562	2 553	1 299
500 to 749 miles	92	235	165
750 to 999 miles	18	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	**17 040**	**6 734**	**1 238**
Less than 50 miles	3 355	1 666	55
50 to 99 miles	3 840	1 600	154
100 to 249 miles	6 771	2 651	518
250 to 499 miles	1 857	533	214
500 to 749 miles	772	194	146
750 to 999 miles	184	32	33
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	117	36	78
2,000 miles or more	74	5	12
Commodity unknown	**1 877**	**S**	**S**
Less than 50 miles	S	843	12
50 to 99 miles	S	154	14
100 to 249 miles	S	492	109
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	50	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	49	18	37
2,000 miles or more	S	S	S

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

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

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**457 310**	**949 807**	**219 191**
Less than 50 lb	27 373	938	315
50 to 99 lb	9 347	888	192
100 to 499 lb	31 504	5 172	1 039
500 to 749 lb	10 736	2 507	493
750 to 999 lb	7 933	2 011	423
1,000 to 9,999 lb	125 683	41 362	10 452
10,000 to 49,999 lb	191 469	302 969	59 683
50,000 to 99,999 lb	21 374	225 352	21 880
100,000 lb or more	31 892	368 609	124 716
SCTG 01, Live animals and live fish	**859**	**803**	**402**
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	33	18	3
10,000 to 49,999 lb	627	601	307
50,000 to 99,999 lb	S	158	S
100,000 lb or more	32	24	S
SCTG 02, Cereal grains	**1 323**	**11 306**	**3 965**
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	4	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	23	79	4
10,000 to 49,999 lb	107	647	114
50,000 to 99,999 lb	S	S	330
100,000 lb or more	746	6 800	3 516
SCTG 03, Other agricultural products	**4 240**	**9 575**	**4 168**
Less than 50 lb	50	S	1
50 to 99 lb	82	32	1
100 to 499 lb	306	158	9
500 to 749 lb	156	90	5
750 to 999 lb	75	64	5
1,000 to 9,999 lb	826	771	91
10,000 to 49,999 lb	1 379	2 165	501
50,000 to 99,999 lb	113	371	104
100,000 lb or more	1 252	5 908	3 451
SCTG 04, Animal feed and products of animal origin, n.e.c.	**4 546**	**16 365**	**2 345**
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	507	1 160	75
10,000 to 49,999 lb	1 971	7 584	973
50,000 to 99,999 lb	709	3 398	286
100,000 lb or more	511	3 261	S
SCTG 05, Meat, fish, seafood, and their preparations	**11 490**	**5 767**	**2 321**
Less than 50 lb	49	8	1
50 to 99 lb	80	16	1
100 to 499 lb	502	156	16
500 to 749 lb	309	128	15
750 to 999 lb	194	88	12
1,000 to 9,999 lb	2 532	1 007	289
10,000 to 49,999 lb	7 259	3 962	1 806
50,000 to 99,999 lb	S	240	107
100,000 lb or more	S	163	S
SCTG 06, Milled grain products and preparations, and bakery products	**5 874**	**5 387**	**2 499**
Less than 50 lb	S	S	S
50 to 99 lb	97	63	3
100 to 499 lb	S	149	9
500 to 749 lb	164	82	7
750 to 999 lb	109	72	9
1,000 to 9,999 lb	1 330	897	256
10,000 to 49,999 lb	3 505	3 204	1 583
50,000 to 99,999 lb	107	319	47
100,000 lb or more	183	590	583
SCTG 07, Other prepared foodstuffs and fats and oils	**19 669**	**26 464**	**7 935**
Less than 50 lb	100	26	3
50 to 99 lb	124	61	4
100 to 499 lb	946	619	37
500 to 749 lb	636	392	36
750 to 999 lb	496	294	22
1,000 to 9,999 lb	4 622	4 235	495
10,000 to 49,999 lb	10 649	14 431	4 295
50,000 to 99,999 lb	616	1 756	330
100,000 lb or more	1 480	4 650	2 714

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	**5 013**	**3 242**	**937**
Less than 50 lb	37	8	–
50 to 99 lb	54	18	–
100 to 499 lb	468	292	7
500 to 749 lb	278	196	5
750 to 999 lb	218	166	4
1,000 to 9,999 lb	1 644	1 227	40
10,000 to 49,999 lb	2 210	1 108	729
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**8 140**	**424**	**185**
Less than 50 lb	233	7	1
50 to 99 lb	192	7	2
100 to 499 lb	918	49	12
500 to 749 lb	355	23	5
750 to 999 lb	292	17	5
1,000 to 9,999 lb	1 546	68	29
10,000 to 49,999 lb	4 560	218	130
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**138**
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	16	S
10,000 to 49,999 lb	S	220	52
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	43
SCTG 11, Natural sands	**178**	**29 368**	**3 671**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	S	S	–
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	30	201	5
10,000 to 49,999 lb	70	3 309	141
50,000 to 99,999 lb	36	S	S
100,000 lb or more	40	11 444	2 607
SCTG 12, Gravel and crushed stone	**1 144**	**169 492**	**11 070**
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	–	11	S
1,000 to 9,999 lb	S	757	22
10,000 to 49,999 lb	603	96 679	3 419
50,000 to 99,999 lb	291	47 523	2 053
100,000 lb or more	140	24 502	5 567
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**7 819**	**2 374**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	7	5	1
500 to 749 lb	S	S	–
750 to 999 lb	1	2	S
1,000 to 9,999 lb	39	97	S
10,000 to 49,999 lb	S	1 842	562
50,000 to 99,999 lb	45	1 381	177
100,000 lb or more	145	4 479	1 607
SCTG 14, Metallic ores and concentrates	**607**	**5 900**	**798**
Less than 50 lb	S	–	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	2	S	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	36	21	6
10,000 to 49,999 lb	301	S	S
50,000 to 99,999 lb	35	673	12
100,000 lb or more	187	807	324
SCTG 15, Coal	**5 931**	**224 855**	**64 225**
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	1
10,000 to 49,999 lb	32	565	S
50,000 to 99,999 lb	1 106	39 841	5 488
100,000 lb or more	4 669	184 431	58 651

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	**13 369**	**55 883**	**5 388**
Less than 50 lb	1	1	–
50 to 99 lb	–	2	–
100 to 499 lb	S	15	S
500 to 749 lb	S	10	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	1 020	2 048	50
10,000 to 49,999 lb	2 101	8 060	296
50,000 to 99,999 lb	6 947	27 096	1 226
100,000 lb or more	3 268	18 639	3 815
SCTG 18, Fuel oils	**4 757**	**23 435**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	–	1	–
100 to 499 lb	S	25	–
500 to 749 lb	13	40	1
750 to 999 lb	18	47	1
1,000 to 9,999 lb	753	2 259	47
10,000 to 49,999 lb	821	3 735	177
50,000 to 99,999 lb	1 720	8 720	460
100,000 lb or more	1 417	8 609	S
SCTG 19, Coal and petroleum products, n.e.c.	**3 116**	**14 406**	**2 878**
Less than 50 lb	28	6	–
50 to 99 lb	32	8	–
100 to 499 lb	177	95	4
500 to 749 lb	31	32	2
750 to 999 lb	37	40	2
1,000 to 9,999 lb	605	750	S
10,000 to 49,999 lb	1 033	4 103	777
50,000 to 99,999 lb	552	3 104	340
100,000 lb or more	622	6 269	1 669
SCTG 20, Basic chemicals	**10 989**	**16 993**	**7 107**
Less than 50 lb	454	11	4
50 to 99 lb	154	13	S
100 to 499 lb	209	97	8
500 to 749 lb	70	54	4
750 to 999 lb	39	44	5
1,000 to 9,999 lb	1 149	526	117
10,000 to 49,999 lb	5 878	6 477	2 341
50,000 to 99,999 lb	210	556	132
100,000 lb or more	2 826	9 214	4 490
SCTG 21, Pharmaceutical products	**10 541**	**785**	**132**
Less than 50 lb	4 386	48	12
50 to 99 lb	912	15	3
100 to 499 lb	2 505	56	15
500 to 749 lb	262	13	5
750 to 999 lb	342	14	6
1,000 to 9,999 lb	879	51	17
10,000 to 49,999 lb	S	177	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**1 212**	**6 602**	**3 462**
Less than 50 lb	1	S	S
50 to 99 lb	S	7	S
100 to 499 lb	17	22	S
500 to 749 lb	13	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	167	514	22
10,000 to 49,999 lb	538	2 773	771
50,000 to 99,999 lb	97	658	94
100,000 lb or more	364	2 598	S
SCTG 23, Chemical products and preparations, n.e.c.	**10 423**	**4 646**	**2 191**
Less than 50 lb	614	27	6
50 to 99 lb	195	23	5
100 to 499 lb	1 127	148	43
500 to 749 lb	375	76	21
750 to 999 lb	219	56	24
1,000 to 9,999 lb	2 017	651	245
10,000 to 49,999 lb	4 640	2 934	1 488
50,000 to 99,999 lb	65	S	S
100,000 lb or more	S	573	S
SCTG 24, Plastics and rubber	**21 244**	**7 830**	**4 585**
Less than 50 lb	699	30	6
50 to 99 lb	396	32	7
100 to 499 lb	1 362	198	44
500 to 749 lb	535	90	24
750 to 999 lb	293	67	22
1,000 to 9,999 lb	4 879	1 655	666
10,000 to 49,999 lb	11 950	4 832	3 061
50,000 to 99,999 lb	130	108	87
100,000 lb or more	1 000	818	668

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	**1 795**	**57 314**	**4 974**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	–	1	S
1,000 to 9,999 lb	61	S	38
10,000 to 49,999 lb	670	11 679	871
50,000 to 99,999 lb	660	25 012	1 411
100,000 lb or more	396	S	S
SCTG 26, Wood products	**11 304**	**35 467**	**8 971**
Less than 50 lb	89	9	1
50 to 99 lb	69	13	1
100 to 499 lb	341	93	10
500 to 749 lb	163	55	8
750 to 999 lb	113	45	6
1,000 to 9,999 lb	1 522	1 221	153
10,000 to 49,999 lb	6 521	15 622	4 281
50,000 to 99,999 lb	1 250	10 369	1 225
100,000 lb or more	1 236	8 041	3 286
SCTG 27, Pulp, newsprint, paper, and paperboard	**11 094**	**20 427**	**13 362**
Less than 50 lb	66	9	1
50 to 99 lb	49	13	1
100 to 499 lb	245	88	7
500 to 749 lb	78	38	3
750 to 999 lb	97	43	5
1,000 to 9,999 lb	962	642	119
10,000 to 49,999 lb	5 279	8 261	4 803
50,000 to 99,999 lb	550	1 855	543
100,000 lb or more	3 768	9 477	7 880
SCTG 28, Paper or paperboard articles	**5 353**	**4 150**	**1 230**
Less than 50 lb	254	20	7
50 to 99 lb	103	21	3
100 to 499 lb	327	107	12
500 to 749 lb	120	49	6
750 to 999 lb	150	51	6
1,000 to 9,999 lb	1 438	1 090	168
10,000 to 49,999 lb	2 910	2 602	1 008
50,000 to 99,999 lb	17	68	6
100,000 lb or more	S	S	15
SCTG 29, Printed products	**16 126**	**4 373**	**1 927**
Less than 50 lb	2 356	155	79
50 to 99 lb	1 070	77	34
100 to 499 lb	3 003	468	112
500 to 749 lb	609	132	27
750 to 999 lb	494	89	21
1,000 to 9,999 lb	5 218	1 314	427
10,000 to 49,999 lb	3 337	2 095	1 192
50,000 to 99,999 lb	35	29	10
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**35 878**	**4 843**	**2 718**
Less than 50 lb	1 876	75	56
50 to 99 lb	791	40	29
100 to 499 lb	2 560	172	115
500 to 749 lb	765	72	44
750 to 999 lb	803	76	40
1,000 to 9,999 lb	11 691	1 337	731
10,000 to 49,999 lb	17 267	2 985	1 661
50,000 to 99,999 lb	94	S	32
100,000 lb or more	S	43	9
SCTG 31, Nonmetallic mineral products	**8 393**	**82 022**	**7 281**
Less than 50 lb	167	14	2
50 to 99 lb	82	14	2
100 to 499 lb	263	77	14
500 to 749 lb	81	31	8
750 to 999 lb	82	36	7
1,000 to 9,999 lb	1 097	2 225	225
10,000 to 49,999 lb	4 965	40 104	3 651
50,000 to 99,999 lb	1 108	17 895	1 379
100,000 lb or more	548	21 628	1 992
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**22 928**	**25 079**	**11 085**
Less than 50 lb	341	17	4
50 to 99 lb	157	19	4
100 to 499 lb	761	194	35
500 to 749 lb	288	105	22
750 to 999 lb	280	95	21
1,000 to 9,999 lb	3 192	2 177	480
10,000 to 49,999 lb	14 272	15 664	6 013
50,000 to 99,999 lb	1 038	1 814	628
100,000 lb or more	2 600	4 994	3 879

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	**15 206**	**8 850**	**5 210**
Less than 50 lb	1 083	42	14
50 to 99 lb	381	32	9
100 to 499 lb	1 657	220	65
500 to 749 lb	574	102	43
750 to 999 lb	378	89	34
1,000 to 9,999 lb	4 082	1 559	651
10,000 to 49,999 lb	5 621	4 372	2 126
50,000 to 99,999 lb	302	387	S
100,000 lb or more	1 128	2 047	2 091
SCTG 34, Machinery	**31 067**	**4 362**	**2 428**
Less than 50 lb	3 016	67	18
50 to 99 lb	904	40	11
100 to 499 lb	2 745	222	69
500 to 749 lb	967	93	39
750 to 999 lb	752	81	39
1,000 to 9,999 lb	6 699	930	532
10,000 to 49,999 lb	15 237	2 741	1 592
50,000 to 99,999 lb	669	149	106
100,000 lb or more	77	40	22
SCTG 35, Electronic and other electrical equipment and components and office equipment	**34 754**	**4 131**	**2 387**
Less than 50 lb	4 356	69	29
50 to 99 lb	1 267	37	12
100 to 499 lb	4 206	172	75
500 to 749 lb	1 449	69	38
750 to 999 lb	841	49	23
1,000 to 9,999 lb	9 219	852	507
10,000 to 49,999 lb	13 267	2 851	1 686
50,000 to 99,999 lb	132	13	11
100,000 lb or more	17	19	6
SCTG 36, Motorized and other vehicles (including parts)	**59 453**	**9 217**	**4 618**
Less than 50 lb	1 763	94	18
50 to 99 lb	428	42	8
100 to 499 lb	1 230	133	42
500 to 749 lb	557	59	23
750 to 999 lb	359	43	21
1,000 to 9,999 lb	37 016	4 325	2 129
10,000 to 49,999 lb	17 164	4 151	2 254
50,000 to 99,999 lb	715	168	S
100,000 lb or more	222	S	S
SCTG 37, Transportation equipment, n.e.c.	**3 559**	**413**	**329**
Less than 50 lb	443	2	1
50 to 99 lb	126	S	1
100 to 499 lb	308	S	S
500 to 749 lb	95	1	1
750 to 999 lb	48	1	1
1,000 to 9,999 lb	1 579	108	77
10,000 to 49,999 lb	681	188	140
50,000 to 99,999 lb	S	S	13
100,000 lb or more	145	80	90
SCTG 38, Precision instruments and apparatus	**3 483**	**98**	**57**
Less than 50 lb	1 847	10	5
50 to 99 lb	346	2	2
100 to 499 lb	527	19	8
500 to 749 lb	S	4	3
750 to 999 lb	33	3	2
1,000 to 9,999 lb	427	40	27
10,000 to 49,999 lb	105	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**7 958**	**2 173**	**1 278**
Less than 50 lb	151	12	3
50 to 99 lb	149	19	8
100 to 499 lb	854	131	75
500 to 749 lb	347	59	32
750 to 999 lb	334	66	35
1,000 to 9,999 lb	4 047	1 052	621
10,000 to 49,999 lb	1 982	757	445
50,000 to 99,999 lb	36	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**22 102**	**7 561**	**3 269**
Less than 50 lb	2 596	80	36
50 to 99 lb	754	49	21
100 to 499 lb	2 184	240	143
500 to 749 lb	813	82	41
750 to 999 lb	414	57	31
1,000 to 9,999 lb	5 195	1 236	598
10,000 to 49,999 lb	9 549	4 882	1 960
50,000 to 99,999 lb	295	586	236
100,000 lb or more	302	348	204

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	**2 026**	**11 974**	**2 682**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	2	2	S
500 to 749 lb	S	S	S
750 to 999 lb	1	2	S
1,000 to 9,999 lb	45	51	S
10,000 to 49,999 lb	973	4 546	687
50,000 to 99,999 lb	173	1 389	165
100,000 lb or more	831	5 983	1 820
SCTG 43, Mixed freight	**17 040**	**6 734**	**1 238**
Less than 50 lb	152	19	2
50 to 99 lb	138	25	2
100 to 499 lb	705	197	22
500 to 749 lb	262	92	15
750 to 999 lb	273	56	7
1,000 to 9,999 lb	7 000	1 835	343
10,000 to 49,999 lb	8 316	4 364	824
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**1 877**	**S**	**S**
Less than 50 lb	59	3	1
50 to 99 lb	46	2	–
100 to 499 lb	109	21	5
500 to 749 lb	11	3	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	393	97	27
10,000 to 49,999 lb	S	1 067	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	53

– 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	**457 310**	**949 807**	**219 191**	**282**	**102 550**	**476 712**	**10 419**	**39 853**	**120 249**	**12 917**
Less than 50 lb	27 373	938	315	331	6 772	425	8	2 375	82	8
50 to 99 lb	9 347	888	192	214	2 664	552	11	859	75	7
100 to 499 lb	31 504	5 172	1 039	193	10 352	3 193	64	3 072	523	48
500 to 749 lb	10 736	2 507	493	196	3 097	1 445	29	1 000	275	25
750 to 999 lb	7 933	2 011	423	208	2 333	1 103	24	830	234	21
1,000 to 9,999 lb	125 683	41 362	10 452	236	32 946	20 893	415	9 264	4 144	384
10,000 to 49,999 lb	191 469	302 969	59 683	204	28 253	171 568	3 037	16 158	30 197	2 844
50,000 to 99,999 lb	21 374	225 352	21 880	92	11 370	137 449	3 177	3 927	48 304	4 242
100,000 lb or more	31 892	368 609	124 716	357	4 764	140 083	3 655	2 367	36 416	5 338
SCTG 01, Live animals and live fish	**859**	**803**	**402**	**409**	**157**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	471	S	S	S	S	S	S
50 to 99 lb	S	S	S	105	S	S	S	S	S	S
100 to 499 lb	S	S	S	47	S	S	–	S	S	S
500 to 749 lb	S	S	S	48	S	S	S	S	S	S
750 to 999 lb	S	S	S	24	S	S	S	S	S	S
1,000 to 9,999 lb	33	18	3	109	S	12	S	2	2	–
10,000 to 49,999 lb	627	601	307	485	91	S	S	S	S	S
50,000 to 99,999 lb	S	158	S	511	S	S	S	–	–	–
100,000 lb or more	32	24	S	376	S	S	S	–	–	–
SCTG 02, Cereal grains	**1 323**	**11 306**	**3 965**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	77	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	4	S	S	36	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	S	S	S	–	–	–
1,000 to 9,999 lb	23	79	4	38	16	60	1	S	S	S
10,000 to 49,999 lb	107	647	114	151	22	187	4	S	211	S
50,000 to 99,999 lb	S	S	330	92	223	1 888	S	S	S	S
100,000 lb or more	746	6 800	3 516	432	S	S	S	S	S	S
SCTG 03, Other agricultural products	**4 240**	**9 575**	**4 168**	**78**	**1 131**	**S**	**S**	**428**	**602**	**53**
Less than 50 lb	50	S	1	S	S	S	S	S	S	S
50 to 99 lb	82	32	1	S	46	28	S	S	S	S
100 to 499 lb	306	158	9	56	206	128	3	41	21	2
500 to 749 lb	156	90	5	S	116	77	S	12	6	1
750 to 999 lb	75	64	5	76	33	31	S	34	28	3
1,000 to 9,999 lb	826	771	91	102	360	360	8	172	179	15
10,000 to 49,999 lb	1 379	2 165	501	211	254	S	S	113	199	17
50,000 to 99,999 lb	113	371	104	S	S	S	S	S	S	S
100,000 lb or more	1 252	5 908	3 451	590	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**4 546**	**16 365**	**2 345**	**S**	**2 777**	**10 063**	**264**	**474**	**1 858**	**173**
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
100 to 499 lb	S	S	S	19	S	S	S	9	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	1	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	507	1 160	75	54	387	908	19	36	S	9
10,000 to 49,999 lb	1 971	7 584	973	116	963	4 416	122	S	1 040	96
50,000 to 99,999 lb	709	3 398	286	83	536	2 656	73	75	311	27
100,000 lb or more	511	3 261	S	314	74	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**11 490**	**5 767**	**2 321**	**148**	**2 018**	**997**	**28**	**1 376**	**741**	**72**
Less than 50 lb	49	8	1	72	37	5	–	7	S	–
50 to 99 lb	80	16	1	69	49	9	–	22	5	–
100 to 499 lb	502	156	16	93	265	76	2	138	48	5
500 to 749 lb	309	128	15	120	122	46	1	98	40	4
750 to 999 lb	194	88	12	137	99	46	1	20	10	1
1,000 to 9,999 lb	2 532	1 007	289	250	506	233	6	319	152	15
10,000 to 49,999 lb	7 259	3 962	1 806	445	920	571	18	705	434	42
50,000 to 99,999 lb	S	240	107	472	S	S	S	S	S	S
100,000 lb or more	S	163	S	835	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**5 874**	**5 387**	**2 499**	**107**	**1 144**	**1 040**	**22**	**600**	**707**	**69**
Less than 50 lb	S	S	S	S	13	S	–	S	S	S
50 to 99 lb	97	63	3	56	74	50	2	S	S	S
100 to 499 lb	S	149	9	60	S	94	2	S	S	S
500 to 749 lb	164	82	7	88	S	37	1	39	23	2
750 to 999 lb	109	72	9	129	33	19	1	34	24	2
1,000 to 9,999 lb	1 330	897	256	219	257	204	5	200	165	15
10,000 to 49,999 lb	3 505	3 204	1 583	477	373	514	10	227	349	34
50,000 to 99,999 lb	107	319	47	140	27	95	2	32	88	9
100,000 lb or more	183	590	583	1 033	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**19 669**	**26 464**	**7 935**	**105**	**6 048**	**8 207**	**181**	**3 388**	**4 836**	**465**
Less than 50 lb	100	26	3	199	57	20	–	8	1	–
50 to 99 lb	124	61	4	S	94	55	1	7	2	–
100 to 499 lb	946	619	37	50	640	508	11	117	52	5
500 to 749 lb	636	392	36	92	358	265	5	85	44	4
750 to 999 lb	496	294	22	76	322	212	4	56	34	3
1,000 to 9,999 lb	4 622	4 235	495	100	2 000	2 621	55	746	629	62
10,000 to 49,999 lb	10 649	14 431	4 295	261	2 098	3 500	81	2 097	3 363	315
50,000 to 99,999 lb	616	1 756	330	183	211	481	12	158	430	39
100,000 lb or more	1 480	4 650	2 714	507	268	545	11	113	280	36
SCTG 08, Alcoholic beverages	**5 013**	**3 242**	**937**	**32**	**2 564**	**2 000**	**38**	**285**	**102**	**9**
Less than 50 lb	37	8	–	27	34	8	–	3	1	–
50 to 99 lb	54	18	–	26	50	17	–	2	1	–
100 to 499 lb	468	292	7	25	426	277	6	36	14	1
500 to 749 lb	278	196	5	25	249	184	4	25	10	1
750 to 999 lb	218	166	4	24	202	160	3	13	5	–
1,000 to 9,999 lb	1 644	1 227	40	27	1 369	1 147	22	137	44	4
10,000 to 49,999 lb	2 210	1 108	729	522	221	175	3	68	28	S
50,000 to 99,999 lb	S	S	S	515	S	S	S	–	–	–
100,000 lb or more	S	S	S	714	S	S	S	–	–	–
SCTG 09, Tobacco products	**8 140**	**424**	**185**	**227**	**1 473**	**120**	**3**	**577**	**36**	**3**
Less than 50 lb	233	7	1	205	129	4	–	57	2	–
50 to 99 lb	192	7	2	208	110	4	–	27	1	S
100 to 499 lb	918	49	12	231	403	21	1	130	8	1
500 to 749 lb	355	23	5	214	97	8	–	95	5	–
750 to 999 lb	292	17	5	284	S	S	–	S	5	S
1,000 to 9,999 lb	1 546	68	29	489	117	8	–	109	7	1
10,000 to 49,999 lb	4 560	218	130	578	S	S	S	46	8	1
50,000 to 99,999 lb	S	S	S	2	S	S	S	–	–	–
100,000 lb or more	S	S	S	22	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**138**	**282**	**S**	**S**	**S**	**S**	**15**	**2**
Less than 50 lb	S	S	S	20	S	S	S	–	–	–
50 to 99 lb	S	S	S	119	S	S	S	–	–	–
100 to 499 lb	S	S	S	363	S	S	S	–	–	–
500 to 749 lb	S	S	S	1 011	S	S	S	S	S	S
750 to 999 lb	S	S	S	225	S	S	S	–	–	–
1,000 to 9,999 lb	S	16	S	440	S	S	–	S	S	S
10,000 to 49,999 lb	S	220	52	240	S	S	S	S	11	1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	43	230	S	S	S	–	–	–
SCTG 11, Natural sands	**178**	**29 368**	**3 671**	**55**	**72**	**12 803**	**303**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	11	S	S	S	–	–	–
100 to 499 lb	S	S	–	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	19	S	S	S	–	–	–
750 to 999 lb	S	S	S	444	S	S	S	–	–	–
1,000 to 9,999 lb	30	201	5	25	8	195	3	S	S	S
10,000 to 49,999 lb	70	3 309	141	S	23	2 717	S	S	S	S
50,000 to 99,999 lb	36	S	S	64	22	5 779	136	S	S	S
100,000 lb or more	40	11 444	2 607	106	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**1 144**	**169 492**	**11 070**	**49**	**811**	**132 832**	**2 105**	**107**	**17 767**	**1 578**
Less than 50 lb	S	S	S	18	S	S	S	–	–	–
50 to 99 lb	S	S	S	7	S	S	S	–	–	–
100 to 499 lb	S	S	S	803	S	1	–	–	–	–
500 to 749 lb	S	S	S	16	S	S	S	–	–	–
750 to 999 lb	–	11	S	9	–	11	S	–	–	–
1,000 to 9,999 lb	S	757	22	31	S	670	S	S	S	S
10,000 to 49,999 lb	603	96 679	3 419	34	528	86 026	1 182	32	S	S
50,000 to 99,999 lb	291	47 523	2 053	44	211	35 364	701	59	9 575	823
100,000 lb or more	140	24 502	5 567	169	57	10 751	211	15	3 741	327
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**7 819**	**2 374**	**537**	**100**	**S**	**88**	**S**	**372**	**38**
Less than 50 lb	S	S	S	789	1	S	–	S	S	S
50 to 99 lb	S	S	S	1 052	–	S	S	S	S	S
100 to 499 lb	7	5	1	S	2	3	–	S	S	S
500 to 749 lb	S	S	–	S	S	S	S	S	S	S
750 to 999 lb	1	2	S	74	S	S	S	S	S	S
1,000 to 9,999 lb	39	97	S	178	21	53	1	3	12	1
10,000 to 49,999 lb	S	1 842	562	283	44	574	S	S	206	21
50,000 to 99,999 lb	45	1 381	177	128	4	S	S	7	152	15
100,000 lb or more	145	4 479	1 607	586	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	**607**	**5 900**	**798**	**116**	**106**	**2 852**	**S**	**99**	**S**	**S**
Less than 50 lb	S	–	S	180	1	–	S	–	–	–
50 to 99 lb	S	S	S	380	S	S	S	–	–	–
100 to 499 lb	S	1	S	S	S	S	S	S	S	S
500 to 749 lb	2	S	–	365	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	36	21	6	281	S	11	S	S	S	S
10,000 to 49,999 lb	301	S	S	S	18	S	S	89	S	S
50,000 to 99,999 lb	35	673	12	S	S	640	5	S	S	S
100,000 lb or more	187	807	324	350	S	S	S	–	–	–
SCTG 15, Coal	**5 931**	**224 855**	**64 225**	**118**	**2 570**	**100 162**	**2 936**	**497**	**20 704**	**3 714**
Less than 50 lb	S	S	S	79	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	59	S	S	S	S	S	S
500 to 749 lb	S	S	S	514	S	S	S	–	–	–
750 to 999 lb	S	S	S	29	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	1	S	S	S	S	S	S	S
10,000 to 49,999 lb	32	565	S	170	13	343	S	S	S	S
50,000 to 99,999 lb	1 106	39 841	5 488	118	820	28 628	690	40	1 266	122
100,000 lb or more	4 669	184 431	58 651	116	1 638	71 173	2 230	456	19 391	3 589
SCTG 17, Gasoline and aviation turbine fuel	**13 369**	**55 883**	**5 388**	**32**	**8 192**	**30 767**	**620**	**2 479**	**10 694**	**1 033**
Less than 50 lb	1	1	–	12	1	1	–	–	–	–
50 to 99 lb	–	2	–	8	–	2	–	–	–	–
100 to 499 lb	S	15	S	15	S	15	S	S	S	S
500 to 749 lb	S	10	S	28	S	10	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	1 020	2 048	50	24	913	1 935	39	S	99	9
10,000 to 49,999 lb	2 101	8 060	296	33	1 771	6 733	153	269	1 080	96
50,000 to 99,999 lb	6 947	27 096	1 226	46	5 257	20 030	418	1 416	5 856	529
100,000 lb or more	3 268	18 639	3 815	S	S	S	S	S	S	S
SCTG 18, Fuel oils	**4 757**	**23 435**	**S**	**28**	**2 930**	**13 132**	**256**	**608**	**3 246**	**306**
Less than 50 lb	S	S	S	18	S	S	S	S	S	S
50 to 99 lb	–	1	–	11	–	1	–	S	S	S
100 to 499 lb	S	25	–	16	S	24	–	S	S	S
500 to 749 lb	13	40	1	17	13	38	1	–	1	–
750 to 999 lb	18	47	1	23	18	47	1	S	S	S
1,000 to 9,999 lb	753	2 259	47	20	744	2 237	44	S	13	1
10,000 to 49,999 lb	821	3 735	177	41	682	3 025	59	90	412	35
50,000 to 99,999 lb	1 720	8 720	460	53	1 304	6 601	137	297	1 426	115
100,000 lb or more	1 417	8 609	S	S	155	1 159	14	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**3 116**	**14 406**	**2 878**	**75**	**1 161**	**7 382**	**113**	**622**	**2 345**	**213**
Less than 50 lb	28	6	–	31	24	5	–	2	–	–
50 to 99 lb	32	8	–	44	28	7	–	1	S	S
100 to 499 lb	177	95	4	40	139	81	2	26	10	1
500 to 749 lb	31	32	2	53	26	28	1	2	S	S
750 to 999 lb	37	40	2	52	26	33	S	S	S	S
1,000 to 9,999 lb	605	750	S	107	339	521	11	109	94	8
10,000 to 49,999 lb	1 033	4 103	777	185	299	2 020	43	123	690	61
50,000 to 99,999 lb	552	3 104	340	111	171	1 606	35	S	791	80
100,000 lb or more	622	6 269	1 669	538	S	3 081	22	S	S	S
SCTG 20, Basic chemicals	**10 989**	**16 993**	**7 107**	**291**	**1 667**	**3 692**	**94**	**597**	**1 381**	**138**
Less than 50 lb	454	11	4	351	S	5	–	S	S	S
50 to 99 lb	154	13	S	516	17	6	–	5	1	–
100 to 499 lb	209	97	8	90	69	79	2	21	S	S
500 to 749 lb	70	54	4	84	27	39	1	7	S	S
750 to 999 lb	39	44	5	107	16	32	1	4	2	–
1,000 to 9,999 lb	1 149	526	117	193	199	262	6	48	65	6
10,000 to 49,999 lb	5 878	6 477	2 341	356	739	1 263	35	437	968	93
50,000 to 99,999 lb	210	556	132	233	72	S	6	S	S	S
100,000 lb or more	2 826	9 214	4 490	520	433	1 689	44	33	310	35
SCTG 21, Pharmaceutical products	**10 541**	**785**	**132**	**395**	**1 602**	**S**	**S**	**1 257**	**35**	**3**
Less than 50 lb	4 386	48	12	407	736	14	–	500	7	1
50 to 99 lb	912	15	3	213	135	4	–	123	3	–
100 to 499 lb	2 505	56	15	271	354	11	–	479	10	1
500 to 749 lb	262	13	5	380	S	4	S	S	2	S
750 to 999 lb	342	14	6	422	S	5	–	10	1	–
1,000 to 9,999 lb	879	51	17	314	114	14	–	119	11	1
10,000 to 49,999 lb	S	177	S	357	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	18	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	**1 212**	**6 602**	**3 462**	**80**	**434**	**2 409**	**52**	**107**	**665**	**64**
Less than 50 lb	1	S	S	128	S	S	S	S	S	S
50 to 99 lb	S	7	S	28	S	7	S	S	S	S
100 to 499 lb	17	22	S	S	11	19	–	S	1	–
500 to 749 lb	13	S	S	52	S	S	S	S	S	S
750 to 999 lb	S	S	S	102	S	S	S	S	S	S
1,000 to 9,999 lb	167	514	22	51	120	449	7	12	14	1
10,000 to 49,999 lb	538	2 773	771	232	173	1 014	25	43	277	27
50,000 to 99,999 lb	97	658	94	145	40	263	8	19	129	12
100,000 lb or more	364	2 598	S	354	S	S	11	32	244	23
SCTG 23, Chemical products and preparations, n.e.c.	**10 423**	**4 646**	**2 191**	**227**	**2 471**	**1 028**	**24**	**908**	**390**	**40**
Less than 50 lb	614	27	6	181	234	13	–	111	3	–
50 to 99 lb	195	23	5	216	91	10	–	26	2	–
100 to 499 lb	1 127	148	43	250	480	52	1	158	21	2
500 to 749 lb	375	76	21	278	156	30	1	31	11	1
750 to 999 lb	219	56	24	437	57	14	–	S	7	1
1,000 to 9,999 lb	2 017	651	245	380	573	168	4	217	79	7
10,000 to 49,999 lb	4 640	2 934	1 488	497	812	638	15	303	225	23
50,000 to 99,999 lb	65	S	S	217	27	76	S	S	S	S
100,000 lb or more	S	573	S	571	S	S	S	7	S	6
SCTG 24, Plastics and rubber	**21 244**	**7 830**	**4 585**	**247**	**2 824**	**1 002**	**20**	**1 318**	**486**	**49**
Less than 50 lb	699	30	6	205	266	17	–	64	3	–
50 to 99 lb	396	32	7	216	146	18	–	42	4	–
100 to 499 lb	1 362	198	44	216	523	98	2	192	29	3
500 to 749 lb	535	90	24	269	146	38	1	43	9	1
750 to 999 lb	293	67	22	326	67	20	1	50	12	1
1,000 to 9,999 lb	4 879	1 655	666	380	922	392	7	467	142	13
10,000 to 49,999 lb	11 950	4 832	3 061	584	740	399	8	423	239	24
50,000 to 99,999 lb	130	108	87	816	S	S	S	S	S	S
100,000 lb or more	1 000	818	668	814	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**1 795**	**57 314**	**4 974**	**72**	**962**	**39 345**	**1 103**	**358**	**13 308**	**1 181**
Less than 50 lb	S	S	S	25	S	S	S	–	–	–
50 to 99 lb	S	S	S	44	S	S	S	S	S	S
100 to 499 lb	S	S	S	60	S	S	S	S	S	S
500 to 749 lb	S	S	S	47	S	S	S	S	S	S
750 to 999 lb	–	1	S	891	S	S	S	–	–	–
1,000 to 9,999 lb	61	S	38	S	34	S	S	S	S	S
10,000 to 49,999 lb	670	11 679	871	78	301	7 970	246	83	2 520	219
50,000 to 99,999 lb	660	25 012	1 411	57	387	14 666	407	212	8 837	737
100,000 lb or more	396	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**11 304**	**35 467**	**8 971**	**158**	**2 906**	**10 442**	**291**	**1 705**	**8 708**	**801**
Less than 50 lb	89	9	1	165	47	5	–	13	2	–
50 to 99 lb	69	13	1	110	32	7	–	S	S	S
100 to 499 lb	341	93	10	100	181	59	1	69	17	2
500 to 749 lb	163	55	8	133	68	33	1	32	10	1
750 to 999 lb	113	45	6	144	45	24	–	25	9	1
1,000 to 9,999 lb	1 522	1 221	153	124	672	678	14	278	275	26
10,000 to 49,999 lb	6 521	15 622	4 281	255	1 222	4 287	126	954	2 788	271
50,000 to 99,999 lb	1 250	10 369	1 225	118	376	3 030	83	309	5 375	482
100,000 lb or more	1 236	8 041	3 286	488	264	2 318	65	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**11 094**	**20 427**	**13 362**	**183**	**1 432**	**1 625**	**36**	**876**	**1 642**	**161**
Less than 50 lb	66	9	1	76	49	7	–	8	1	–
50 to 99 lb	49	13	1	66	33	10	–	6	2	–
100 to 499 lb	245	88	7	73	141	60	1	36	15	1
500 to 749 lb	78	38	3	92	40	26	–	S	6	1
750 to 999 lb	97	43	5	S	54	29	–	15	8	1
1,000 to 9,999 lb	962	642	119	161	444	398	7	72	63	6
10,000 to 49,999 lb	5 279	8 261	4 803	531	540	764	19	253	421	39
50,000 to 99,999 lb	550	1 855	543	267	36	107	S	330	772	73
100,000 lb or more	3 768	9 477	7 880	847	97	224	6	143	354	41
SCTG 28, Paper or paperboard articles	**5 353**	**4 150**	**1 230**	**285**	**1 585**	**1 468**	**36**	**598**	**597**	**54**
Less than 50 lb	254	20	7	424	68	9	–	14	2	–
50 to 99 lb	103	21	3	135	59	14	–	13	3	–
100 to 499 lb	327	107	12	115	183	68	1	50	20	2
500 to 749 lb	120	49	6	131	57	30	1	23	10	1
750 to 999 lb	150	51	6	110	94	34	1	11	7	1
1,000 to 9,999 lb	1 438	1 090	168	144	666	576	13	240	212	19
10,000 to 49,999 lb	2 910	2 602	1 008	341	450	606	15	242	328	30
50,000 to 99,999 lb	17	68	6	89	S	S	S	S	S	S
100,000 lb or more	S	S	15	131	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**16 126**	**4 373**	**1 927**	**275**	**4 204**	**1 573**	**27**	**528**	**120**	**10**
Less than 50 lb	2 356	155	79	273	353	49	1	88	3	–
50 to 99 lb	1 070	77	34	448	211	31	1	21	1	–
100 to 499 lb	3 003	468	112	226	1 167	301	5	101	11	1
500 to 749 lb	609	132	27	203	225	89	1	40	9	1
750 to 999 lb	494	89	21	233	163	53	1	28	7	1
1,000 to 9,999 lb	5 218	1 314	427	290	1 421	626	9	205	69	6
10,000 to 49,999 lb	3 337	2 095	1 192	544	657	419	8	34	14	1
50,000 to 99,999 lb	35	29	10	349	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 378	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**35 878**	**4 843**	**2 718**	**719**	**5 108**	**819**	**20**	**2 841**	**416**	**38**
Less than 50 lb	1 876	75	56	747	104	5	–	60	3	–
50 to 99 lb	791	40	29	725	40	3	–	S	S	S
100 to 499 lb	2 560	172	115	653	194	20	–	86	9	1
500 to 749 lb	765	72	44	612	120	15	–	32	4	–
750 to 999 lb	803	76	40	536	S	S	–	11	1	–
1,000 to 9,999 lb	11 691	1 337	731	565	2 042	301	5	674	61	6
10,000 to 49,999 lb	17 267	2 985	1 661	523	2 435	450	13	1 923	327	30
50,000 to 99,999 lb	94	S	32	776	–	–	–	S	S	S
100,000 lb or more	S	43	9	300	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**8 393**	**82 022**	**7 281**	**120**	**2 828**	**61 422**	**1 118**	**840**	**6 619**	**646**
Less than 50 lb	167	14	2	158	94	8	–	18	2	–
50 to 99 lb	82	14	2	157	33	7	–	10	2	–
100 to 499 lb	263	77	14	187	109	39	1	40	12	1
500 to 749 lb	81	31	8	275	19	16	–	4	2	S
750 to 999 lb	82	36	7	176	23	21	–	4	2	–
1,000 to 9,999 lb	1 097	2 225	225	117	329	1 706	28	97	139	12
10,000 to 49,999 lb	4 965	40 104	3 651	81	1 533	31 170	488	378	2 356	215
50,000 to 99,999 lb	1 108	17 895	1 379	77	519	12 114	338	198	2 754	263
100,000 lb or more	548	21 628	1 992	S	168	S	S	90	1 350	155
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**22 928**	**25 079**	**11 085**	**241**	**3 369**	**4 856**	**112**	**1 775**	**2 328**	**217**
Less than 50 lb	341	17	4	237	103	8	–	33	2	–
50 to 99 lb	157	19	4	224	43	9	–	13	2	–
100 to 499 lb	761	194	35	186	289	112	2	67	23	2
500 to 749 lb	288	105	22	210	88	51	1	29	15	1
750 to 999 lb	280	95	21	222	82	41	1	25	14	1
1,000 to 9,999 lb	3 192	2 177	480	212	897	931	21	350	323	30
10,000 to 49,999 lb	14 272	15 664	6 013	371	1 531	2 692	67	1 148	1 646	152
50,000 to 99,999 lb	1 038	1 814	628	355	195	591	14	77	225	23
100,000 lb or more	2 600	4 994	3 879	873	142	422	5	S	S	S
SCTG 33, Articles of base metal	**15 206**	**8 850**	**5 210**	**355**	**2 846**	**1 285**	**28**	**1 009**	**530**	**50**
Less than 50 lb	1 083	42	14	361	387	21	–	91	3	–
50 to 99 lb	381	32	9	296	136	15	–	35	3	–
100 to 499 lb	1 657	220	65	288	557	102	2	206	27	2
500 to 749 lb	574	102	43	410	108	33	1	36	7	1
750 to 999 lb	378	89	34	384	73	23	–	31	7	1
1,000 to 9,999 lb	4 082	1 559	651	411	890	384	8	331	161	16
10,000 to 49,999 lb	5 621	4 372	2 126	470	591	539	13	253	261	24
50,000 to 99,999 lb	302	387	S	428	64	94	1	S	21	2
100,000 lb or more	1 128	2 047	2 091	956	40	75	2	S	S	S
SCTG 34, Machinery	**31 067**	**4 362**	**2 428**	**282**	**5 078**	**670**	**13**	**1 823**	**243**	**22**
Less than 50 lb	3 016	67	18	256	1 072	31	1	292	7	1
50 to 99 lb	904	40	11	259	284	18	–	137	5	–
100 to 499 lb	2 745	222	69	311	959	107	2	282	21	2
500 to 749 lb	967	93	39	407	242	29	1	94	10	1
750 to 999 lb	752	81	39	480	210	24	1	37	5	–
1,000 to 9,999 lb	6 699	930	532	536	851	148	3	228	49	5
10,000 to 49,999 lb	15 237	2 741	1 592	565	1 300	290	5	739	143	13
50,000 to 99,999 lb	669	149	106	735	161	22	S	15	4	S
100,000 lb or more	77	40	22	506	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**34 754**	**4 131**	**2 387**	**485**	**4 925**	**664**	**14**	**1 597**	**217**	**19**
Less than 50 lb	4 356	69	29	494	1 057	29	1	350	6	1
50 to 99 lb	1 267	37	12	340	277	18	–	S	4	–
100 to 499 lb	4 206	172	75	450	758	67	1	179	15	1
500 to 749 lb	1 449	69	38	542	155	16	–	53	7	1
750 to 999 lb	841	49	23	458	124	8	–	65	8	1
1,000 to 9,999 lb	9 219	852	507	547	1 181	114	3	461	69	6
10,000 to 49,999 lb	13 267	2 851	1 686	613	1 314	409	9	378	101	9
50,000 to 99,999 lb	132	13	11	823	S	S	S	S	S	S
100,000 lb or more	17	19	6	397	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**59 453**	**9 217**	**4 618**	**191**	**15 000**	**2 193**	**40**	**2 494**	**535**	**50**
Less than 50 lb	1 763	94	18	149	796	52	1	246	13	1
50 to 99 lb	428	42	8	209	163	21	–	64	6	1
100 to 499 lb	1 230	133	42	273	343	55	1	133	19	2
500 to 749 lb	557	59	23	386	101	19	1	59	7	1
750 to 999 lb	359	43	21	478	54	9	–	24	5	–
1,000 to 9,999 lb	37 016	4 325	2 129	431	11 590	1 367	16	1 137	191	18
10,000 to 49,999 lb	17 164	4 151	2 254	554	1 548	551	19	736	264	25
50,000 to 99,999 lb	715	168	S	453	S	S	1	S	S	S
100,000 lb or more	222	S	S	228	S	33	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**3 559**	**413**	**329**	**662**	**S**	**8**	**–**	**S**	**S**	**S**
Less than 50 lb	443	2	1	622	S	S	S	S	S	S
50 to 99 lb	126	S	1	680	S	S	S	S	S	S
100 to 499 lb	308	S	S	739	S	S	S	S	S	S
500 to 749 lb	95	1	1	1 287	–	–	–	–	–	–
750 to 999 lb	48	1	1	982	S	S	S	–	–	–
1,000 to 9,999 lb	1 579	108	77	726	41	S	–	S	S	S
10,000 to 49,999 lb	681	188	140	709	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	13	499	S	S	S	–	–	–
100,000 lb or more	145	80	90	1 134	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**3 483**	**98**	**57**	**579**	**323**	**8**	**–**	**202**	**5**	**–**
Less than 50 lb	1 847	10	5	584	126	1	–	105	1	–
50 to 99 lb	346	2	2	588	S	S	S	15	–	–
100 to 499 lb	527	19	8	393	S	5	–	S	2	–
500 to 749 lb	S	4	3	753	2	S	S	1	S	S
750 to 999 lb	33	3	2	672	S	S	S	S	S	S
1,000 to 9,999 lb	427	40	27	619	10	1	S	S	S	S
10,000 to 49,999 lb	105	S	S	644	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	180	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**7 958**	**2 173**	**1 278**	**458**	**1 338**	**324**	**7**	**299**	**86**	**8**
Less than 50 lb	151	12	3	319	80	S	–	3	–	–
50 to 99 lb	149	19	8	415	66	9	–	4	1	–
100 to 499 lb	854	131	75	540	205	28	–	35	5	–
500 to 749 lb	347	59	32	533	67	11	–	17	3	–
750 to 999 lb	334	66	35	526	55	16	–	20	4	–
1,000 to 9,999 lb	4 047	1 052	621	552	634	S	3	170	49	5
10,000 to 49,999 lb	1 982	757	445	615	176	89	3	50	24	2
50,000 to 99,999 lb	36	S	S	1 015	–	–	–	–	–	–
100,000 lb or more	S	S	S	501	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**22 102**	**7 561**	**3 269**	**541**	**3 521**	**1 322**	**37**	**2 443**	**902**	**86**
Less than 50 lb	2 596	80	36	556	568	28	1	213	7	1
50 to 99 lb	754	49	21	408	179	17	–	66	7	1
100 to 499 lb	2 184	240	143	562	434	53	1	138	21	2
500 to 749 lb	813	82	41	495	101	17	–	66	12	1
750 to 999 lb	414	57	31	554	53	9	–	22	4	–
1,000 to 9,999 lb	5 195	1 236	598	453	787	212	6	433	135	13
10,000 to 49,999 lb	9 549	4 882	1 960	405	1 367	829	21	S	S	S
50,000 to 99,999 lb	295	586	236	386	23	S	S	21	57	5
100,000 lb or more	302	348	204	794	S	S	S	S	S	S
SCTG 41, Waste and scrap	**2 026**	**11 974**	**2 682**	**152**	**525**	**3 721**	**86**	**219**	**1 704**	**175**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	2	2	S	81	1	S	–	S	S	S
500 to 749 lb	S	S	S	192	S	S	S	–	–	–
750 to 999 lb	1	2	S	70	1	S	–	S	S	S
1,000 to 9,999 lb	45	51	S	135	22	28	–	3	2	–
10,000 to 49,999 lb	973	4 546	687	147	254	1 727	39	159	1 155	109
50,000 to 99,999 lb	173	1 389	165	S	101	824	11	24	214	21
100,000 lb or more	831	5 983	1 820	307	145	1 140	36	32	332	45
SCTG 43, Mixed freight	**17 040**	**6 734**	**1 238**	**120**	**3 355**	**1 666**	**55**	**3 840**	**1 600**	**154**
Less than 50 lb	152	19	2	96	104	14	–	19	2	–
50 to 99 lb	138	25	2	87	88	17	–	19	3	–
100 to 499 lb	705	197	22	110	351	106	2	160	41	4
500 to 749 lb	262	92	15	161	66	30	1	29	8	1
750 to 999 lb	273	56	7	125	48	20	1	S	S	1
1,000 to 9,999 lb	7 000	1 835	343	164	1 247	554	19	1 703	436	42
10,000 to 49,999 lb	8 316	4 364	824	186	1 368	888	30	1 730	1 065	103
50,000 to 99,999 lb	S	S	S	142	S	S	S	S	S	S
100,000 lb or more	S	S	S	222	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	**1 877**	**S**	**S**	**252**	**S**	**843**	**12**	**S**	**154**	**14**
Less than 50 lb	59	3	1	213	21	S	S	7	–	–
50 to 99 lb	46	2	–	155	9	1	S	S	S	S
100 to 499 lb	109	21	5	225	49	S	S	8	2	–
500 to 749 lb	11	3	1	204	1	1	–	S	S	S
750 to 999 lb	S	S	S	273	S	S	S	S	S	S
1,000 to 9,999 lb	393	97	27	262	S	27	1	S	S	S
10,000 to 49,999 lb	S	1 067	S	331	S	S	S	S	87	8
50,000 to 99,999 lb	S	S	S	317	S	S	S	S	S	S
100,000 lb or more	S	S	53	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)
All commodities	**77 985**	**142 837**	**37 845**	**106 795**	**125 476**	**66 372**	**65 740**	**58 570**	**51 162**	**26 320**	**13 458**	**14 497**
Less than 50 lb	4 956	113	24	4 764	122	56	4 074	97	72	2 102	44	45
50 to 99 lb	1 575	81	16	1 601	72	33	1 220	54	40	637	21	21
100 to 499 lb	4 367	462	90	5 347	424	193	3 887	293	215	1 849	117	119
500 to 749 lb	1 621	323	62	2 029	208	92	1 344	121	89	712	67	66
750 to 999 lb	1 308	269	53	1 458	184	83	1 006	116	85	454	50	51
1,000 to 9,999 lb	20 655	5 454	1 099	29 747	5 227	2 360	16 508	3 100	2 336	6 717	1 141	1 168
10,000 to 49,999 lb	34 104	39 924	8 494	51 831	31 576	14 056	31 255	17 426	12 758	11 462	5 857	5 911
50,000 to 99,999 lb	2 695	19 879	4 315	1 340	S	S	1 081	3 295	2 820	308	305	312
100,000 lb or more	6 704	76 331	23 692	8 678	72 014	43 403	5 364	34 068	32 748	2 080	5 857	6 805
SCTG 01, Live animals and live fish	**51**	**43**	**9**	**137**	**160**	**S**	**S**	**S**	**S**	**203**	**127**	**126**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	2	1	–	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	34	30	6	114	135	68	175	122	S	179	111	109
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 02, Cereal grains	**115**	**933**	**260**	**175**	**1 557**	**831**	**320**	**2 812**	**2 645**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	2	6	1	S	1	–	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	8	78	37	S	S	S	–	–	–
100,000 lb or more	S	S	S	155	1 423	768	S	S	S	–	–	–
SCTG 03, Other agricultural products	**663**	**803**	**149**	**917**	**2 115**	**S**	**689**	**2 695**	**2 413**	**S**	**S**	**S**
Less than 50 lb	3	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	6	1	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	5	1	S	S	S	S	S	S	–	–	–
750 to 999 lb	7	5	1	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	179	184	37	52	36	14	S	5	4	S	S	S
10,000 to 49,999 lb	247	318	61	378	283	121	238	155	107	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	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**595**	**2 404**	**498**	**351**	**961**	**437**	**242**	**S**	**S**	**27**	**62**	**66**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	1	S	–	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	43	101	19	19	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	317	1 242	239	236	530	227	133	294	209	17	45	47
50,000 to 99,999 lb	40	182	41	43	195	102	12	42	29	S	11	11
100,000 lb or more	191	875	199	S	212	97	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**2 946**	**1 663**	**341**	**2 280**	**1 090**	**484**	**1 671**	**735**	**537**	**623**	**240**	**244**
Less than 50 lb	4	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	8	2	–	1	–	–	S	–	–	S	S	S
100 to 499 lb	70	25	5	12	3	1	7	1	1	4	1	1
500 to 749 lb	S	S	S	21	S	S	6	1	1	4	1	1
750 to 999 lb	44	25	6	15	3	1	5	1	1	3	–	1
1,000 to 9,999 lb	724	330	65	461	156	65	275	77	58	159	31	32
10,000 to 49,999 lb	1 636	1 016	207	1 739	879	397	1 371	636	464	433	182	185
50,000 to 99,999 lb	S	S	S	S	29	10	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**976**	**1 035**	**210**	**1 478**	**1 095**	**496**	**879**	**733**	**545**	**360**	**353**	**388**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	28	20	3	3	1	–	S	S	S	S	S	S
500 to 749 lb	35	21	4	2	1	–	–	–	–	S	S	S
750 to 999 lb	38	28	5	2	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	283	179	36	371	222	99	181	111	79	26	8	8
10,000 to 49,999 lb	518	588	120	1 057	732	326	669	526	384	267	188	186
50,000 to 99,999 lb	33	103	16	10	23	11	S	S	S	S	S	S
100,000 lb or more	23	86	24	33	115	59	26	90	78	64	153	188

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	**3 828**	**5 765**	**1 193**	**3 071**	**3 947**	**2 001**	**1 822**	**2 465**	**2 108**	**786**	**711**	**768**
Less than 50 lb	12	1	–	S	1	–	6	1	–	S	S	S
50 to 99 lb	10	2	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	93	38	7	S	14	5	9	S	S	3	1	1
500 to 749 lb	S	S	S	46	15	7	S	9	7	S	S	S
750 to 999 lb	75	32	6	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	1 043	572	110	506	243	112	214	120	88	67	27	27
10,000 to 49,999 lb	2 125	3 728	760	1 864	1 869	801	1 290	1 145	874	552	361	375
50,000 to 99,999 lb	162	651	128	35	146	72	S	S	S	S	S	S
100,000 lb or more	191	683	171	488	1 645	996	267	1 175	1 129	S	313	354
SCTG 08, Alcoholic beverages	**319**	**124**	**25**	**896**	**521**	**241**	**390**	**134**	**100**	**250**	**243**	**255**
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
100 to 499 lb	5	1	–	–	S	S	–	S	S	S	S	S
500 to 749 lb	3	2	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	100	26	4	13	4	2	10	3	2	6	1	1
10,000 to 49,999 lb	198	72	15	856	464	212	370	113	85	197	141	147
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 09, Tobacco products	**781**	**61**	**13**	**2 773**	**117**	**57**	**1 199**	**46**	**33**	**S**	**15**	**14**
Less than 50 lb	24	1	–	7	1	–	9	–	–	6	–	–
50 to 99 lb	27	1	–	S	S	S	9	–	–	S	S	S
100 to 499 lb	119	6	1	134	8	3	86	3	2	25	S	S
500 to 749 lb	45	3	1	102	4	2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	413	17	4	500	19	9	326	15	10	S	S	S
10,000 to 49,999 lb	S	S	S	1 966	83	42	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**7**	**59**	**11**	**S**	**99**	**46**	**S**	**39**	**28**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S	S	S	S
100 to 499 lb	–	–	–	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	3	31	6	S	42	19	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	**13**	**S**	**S**	**60**	**1 522**	**599**	**S**	**5**	**4**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	2	S	S	30	68	29	S	5	3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	7	1 392	545	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**85**	**12 867**	**3 231**	**28**	**3 486**	**1 705**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	11	3	–	–	–	–	–	–
10,000 to 49,999 lb	28	4 935	1 310	10	1 132	368	S	S	S	S	S	S
50,000 to 99,999 lb	19	2 448	479	S	S	S	–	–	–	–	–	–
100,000 lb or more	34	5 458	1 437	16	2 206	1 285	17	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**1 076**	**231**	**136**	**1 350**	**702**	**80**	**901**	**748**	**27**	**376**	**410**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	8	15	3	S	2	1	1	S	S	S	S	S
10,000 to 49,999 lb	S	486	103	72	263	117	31	210	152	8	45	46
50,000 to 99,999 lb	29	442	82	5	80	30	S	10	7	S	S	S
100,000 lb or more	S	132	S	55	1 005	553	45	673	582	14	329	362

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	**148**	**S**	**428**	**166**	**160**	**95**	**59**	**31**	**23**	**25**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	7	S	S	9	3	2	S	S	S
10,000 to 49,999 lb	S	S	S	127	74	36	36	28	21	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	126	434	209	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**1 188**	**41 920**	**14 485**	**1 256**	**45 396**	**25 260**	**412**	**16 578**	**17 557**	**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	5	103	33	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	157	6 099	1 695	53	2 212	1 391	S	S	S	–	–	–
100,000 lb or more	1 019	35 718	12 757	1 184	43 116	23 842	367	14 941	15 967	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**2 004**	**10 868**	**1 990**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	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	56	222	37	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	236	1 007	158	15	60	22	S	S	S	S	S	S
100,000 lb or more	1 705	9 624	1 793	S	S	S	S	S	S	–	–	–
SCTG 18, Fuel oils	**732**	**3 944**	**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	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	2	9	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	37	229	43	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	94	532	100	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.	**373**	**1 534**	**274**	**503**	**1 797**	**913**	**253**	**918**	**728**	**133**	**238**	**249**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	7	3	–	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	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	160	585	100	192	414	190	139	243	170	77	91	93
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	79	404	82	231	1 158	595	95	622	519	23	134	142
SCTG 20, Basic chemicals	**1 511**	**3 698**	**897**	**2 985**	**4 882**	**2 535**	**2 278**	**2 056**	**1 605**	**1 182**	**811**	**878**
Less than 50 lb	S	S	S	S	1	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	14	3	1	13	2	1	S	2	1	S	1	1
500 to 749 lb	3	S	S	9	2	1	4	1	–	S	S	S
750 to 999 lb	4	S	S	4	1	–	3	1	–	3	S	S
1,000 to 9,999 lb	138	74	14	391	64	28	214	28	20	77	23	23
10,000 to 49,999 lb	792	1 641	350	1 590	1 387	618	1 217	660	488	735	316	317
50,000 to 99,999 lb	45	106	27	31	49	26	S	S	S	S	S	S
100,000 lb or more	478	1 862	503	848	3 375	S	660	1 319	1 054	183	S	S
SCTG 21, Pharmaceutical products	**4 543**	**173**	**27**	**1 663**	**S**	**19**	**787**	**19**	**14**	**355**	**S**	**S**
Less than 50 lb	1 663	17	3	691	5	2	538	3	2	132	1	1
50 to 99 lb	448	6	1	S	2	1	24	–	–	S	S	S
100 to 499 lb	1 035	24	4	366	6	2	152	4	3	18	1	1
500 to 749 lb	83	5	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	243	11	2	S	S	S	S	4	3	S	S	S
10,000 to 49,999 lb	S	109	14	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	**205**	**1 038**	**227**	**182**	**1 036**	**462**	**113**	**574**	**425**	**26**	**126**	**126**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	21	S	S	13	10	S	S	S	S	S	S	S
10,000 to 49,999 lb	101	474	96	104	S	S	S	S	S	20	S	S
50,000 to 99,999 lb	25	193	43	11	61	23	S	S	S	–	–	–
100,000 lb or more	47	326	79	52	S	214	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**1 549**	**720**	**153**	**2 900**	**1 402**	**684**	**1 280**	**523**	**387**	**555**	**257**	**271**
Less than 50 lb	143	4	1	S	2	1	37	S	S	3	–	–
50 to 99 lb	25	3	1	S	S	S	15	S	S	2	S	S
100 to 499 lb	182	24	4	163	27	13	102	S	S	21	3	3
500 to 749 lb	75	15	3	50	9	4	29	4	3	16	3	3
750 to 999 lb	33	12	2	21	7	3	31	8	6	10	S	S
1,000 to 9,999 lb	475	144	29	267	112	51	210	69	51	138	48	48
10,000 to 49,999 lb	592	433	91	1 367	822	373	752	387	284	252	148	151
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**3 124**	**1 165**	**259**	**6 360**	**2 053**	**970**	**4 050**	**1 656**	**1 236**	**1 871**	**864**	**902**
Less than 50 lb	126	4	1	96	3	2	87	2	1	40	1	1
50 to 99 lb	46	3	1	37	2	1	41	2	1	65	1	1
100 to 499 lb	216	27	5	186	19	9	127	12	9	65	7	7
500 to 749 lb	134	18	3	107	12	6	62	7	5	24	5	4
750 to 999 lb	39	10	2	58	12	5	51	6	5	18	4	4
1,000 to 9,999 lb	964	336	70	1 283	407	184	633	207	151	304	87	90
10,000 to 49,999 lb	1 532	710	160	4 377	1 401	655	2 597	1 127	821	1 077	489	496
50,000 to 99,999 lb	S	S	S	29	S	S	S	S	S	S	S	S
100,000 lb or more	67	54	16	187	179	100	400	252	214	S	S	S
SCTG 25, Logs and other wood in the rough	**152**	**2 564**	**444**	**128**	**273**	**134**	**S**	**S**	**S**	**49**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	6	S	S	S	S	S	S	1	–	4	17	19
10,000 to 49,999 lb	81	901	168	82	123	58	S	S	S	14	47	49
50,000 to 99,999 lb	46	1 429	213	S	S	S	S	S	S	S	S	S
100,000 lb or more	17	S	S	29	86	44	S	S	S	S	S	S
SCTG 26, Wood products	**2 576**	**8 796**	**2 299**	**1 786**	**3 760**	**1 740**	**1 257**	**2 246**	**1 740**	**591**	**960**	**1 013**
Less than 50 lb	12	1	–	7	1	–	S	–	–	2	–	–
50 to 99 lb	11	1	–	4	1	S	S	–	–	1	–	–
100 to 499 lb	50	10	2	16	2	1	14	2	2	3	1	1
500 to 749 lb	29	6	1	12	2	1	8	2	1	S	1	1
750 to 999 lb	12	5	1	S	4	S	S	2	1	1	–	–
1,000 to 9,999 lb	243	152	28	134	48	22	124	43	32	34	11	11
10,000 to 49,999 lb	1 659	3 893	789	1 286	2 712	1 188	730	1 149	822	357	493	485
50,000 to 99,999 lb	335	1 349	265	114	362	152	61	164	121	30	54	52
100,000 lb or more	S	S	S	196	629	374	300	883	761	160	400	462
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 541**	**3 674**	**925**	**2 700**	**5 074**	**2 699**	**2 274**	**3 969**	**3 224**	**1 314**	**2 851**	**3 141**
Less than 50 lb	4	1	–	2	–	–	1	–	–	S	S	S
50 to 99 lb	4	1	–	5	1	–	1	–	–	S	–	–
100 to 499 lb	17	6	1	17	4	2	S	2	1	S	S	S
500 to 749 lb	6	3	–	S	1	–	3	1	1	S	S	1
750 to 999 lb	S	S	S	S	S	1	2	1	1	S	S	S
1,000 to 9,999 lb	83	67	14	70	37	17	S	47	34	44	18	19
10,000 to 49,999 lb	823	1 721	386	1 515	2 117	968	1 109	1 725	1 285	556	857	868
50,000 to 99,999 lb	63	S	S	81	254	140	22	S	74	S	S	S
100,000 lb or more	529	1 311	375	991	2 659	1 571	898	2 101	1 828	691	1 953	2 228
SCTG 28, Paper or paperboard articles	**980**	**836**	**169**	**926**	**588**	**261**	**721**	**369**	**273**	**221**	**120**	**121**
Less than 50 lb	23	2	–	53	3	1	49	2	2	22	1	1
50 to 99 lb	13	3	–	11	1	–	S	S	S	S	S	S
100 to 499 lb	31	11	2	22	3	1	22	3	2	6	1	1
500 to 749 lb	15	4	1	9	2	1	11	2	1	S	S	S
750 to 999 lb	S	6	1	8	2	1	6	S	S	S	S	S
1,000 to 9,999 lb	239	163	30	132	67	29	94	46	35	21	7	8
10,000 to 49,999 lb	597	603	126	690	494	221	533	313	232	170	110	110
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**2 580**	**523**	**120**	**3 775**	**930**	**414**	**2 891**	**718**	**535**	**718**	**192**	**187**
Less than 50 lb	252	15	4	588	34	16	569	28	21	226	12	12
50 to 99 lb	S	6	1	288	17	8	251	13	10	S	4	4
100 to 499 lb	209	16	4	799	80	37	346	35	24	88	6	6
500 to 749 lb	68	8	1	139	13	6	66	6	4	S	1	1
750 to 999 lb	64	7	2	87	9	4	120	7	6	9	S	S
1,000 to 9,999 lb	S	166	35	858	161	71	730	193	147	112	38	38
10,000 to 49,999 lb	381	298	73	1 005	604	266	805	435	321	170	127	122
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**4 881**	**786**	**167**	**7 566**	**1 183**	**528**	**5 990**	**715**	**530**	**2 934**	**349**	**353**
Less than 50 lb	261	10	2	512	19	8	429	18	13	230	10	10
50 to 99 lb	104	5	1	198	8	4	181	10	8	103	4	4
100 to 499 lb	330	26	6	671	39	18	415	30	22	403	23	23
500 to 749 lb	57	7	2	247	20	9	71	7	5	S	7	7
750 to 999 lb	S	11	2	172	15	7	111	11	8	48	5	6
1,000 to 9,999 lb	1 569	181	40	3 248	351	158	1 784	186	140	1 036	120	118
10,000 to 49,999 lb	2 395	515	109	2 491	704	310	2 958	440	323	998	178	184
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 31, Nonmetallic mineral products	**1 584**	**8 027**	**1 732**	**1 627**	**3 954**	**1 837**	**975**	**1 441**	**1 075**	**201**	**259**	**261**
Less than 50 lb	19	2	–	11	1	–	10	S	–	3	–	–
50 to 99 lb	19	2	–	5	1	–	5	S	–	4	–	S
100 to 499 lb	48	13	2	19	4	2	33	S	S	9	2	S
500 to 749 lb	11	3	1	S	4	1	10	S	S	S	S	S
750 to 999 lb	28	7	1	9	3	1	8	S	1	S	S	S
1,000 to 9,999 lb	214	165	32	219	107	50	169	72	54	34	19	19
10,000 to 49,999 lb	896	2 957	584	1 223	2 362	1 072	527	805	580	135	216	216
50,000 to 99,999 lb	178	2 413	424	39	305	127	S	303	214	–	–	–
100,000 lb or more	171	2 465	687	75	1 168	583	40	249	217	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**4 772**	**6 224**	**1 453**	**6 641**	**6 349**	**3 058**	**3 399**	**3 341**	**2 509**	**999**	**619**	**620**
Less than 50 lb	36	2	1	55	2	1	S	1	1	S	–	–
50 to 99 lb	46	3	1	28	3	1	17	1	1	3	–	–
100 to 499 lb	130	25	5	104	19	8	63	9	6	S	3	3
500 to 749 lb	58	17	3	48	13	6	22	4	3	11	1	1
750 to 999 lb	62	16	3	68	17	8	18	4	3	10	1	1
1,000 to 9,999 lb	657	414	84	696	295	131	297	126	91	135	43	41
10,000 to 49,999 lb	3 084	3 890	822	4 550	4 300	1 925	2 332	2 165	1 568	665	427	423
50,000 to 99,999 lb	406	403	76	123	273	123	75	188	140	S	S	S
100,000 lb or more	294	S	S	969	1 427	855	492	842	696	88	106	116
SCTG 33, Articles of base metal	**2 458**	**1 704**	**377**	**3 492**	**1 862**	**837**	**3 054**	**2 079**	**1 584**	**1 165**	**738**	**917**
Less than 50 lb	136	5	1	168	6	3	160	4	3	66	2	2
50 to 99 lb	47	5	1	63	4	2	62	3	2	13	1	1
100 to 499 lb	155	25	5	249	27	12	251	21	15	107	9	9
500 to 749 lb	82	18	3	150	18	8	75	14	10	60	6	5
750 to 999 lb	68	18	4	108	23	10	42	10	7	36	4	4
1,000 to 9,999 lb	633	276	56	956	360	164	616	210	154	285	74	75
10,000 to 49,999 lb	1 128	1 024	216	1 609	1 152	525	1 296	953	687	377	197	201
50,000 to 99,999 lb	S	S	S	22	33	14	S	S	S	S	13	13
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	433	S
SCTG 34, Machinery	**4 079**	**604**	**127**	**10 644**	**1 389**	**668**	**5 114**	**861**	**642**	**2 082**	**265**	**267**
Less than 50 lb	457	11	2	470	10	5	268	4	3	274	2	2
50 to 99 lb	145	6	1	151	6	3	89	3	2	48	1	1
100 to 499 lb	287	23	5	504	30	14	290	20	15	232	11	11
500 to 749 lb	131	11	2	219	18	8	157	12	9	52	7	7
750 to 999 lb	95	10	2	119	12	6	126	16	12	107	9	9
1,000 to 9,999 lb	898	127	29	2 179	271	127	1 307	175	129	529	76	76
10,000 to 49,999 lb	1 946	375	76	S	996	485	2 718	591	443	825	156	156
50,000 to 99,999 lb	69	13	3	175	S	S	143	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	**5 417**	**634**	**128**	**8 548**	**1 181**	**522**	**6 030**	**645**	**477**	**3 116**	**312**	**316**
Less than 50 lb	628	7	2	619	8	3	709	7	5	429	4	4
50 to 99 lb	207	4	1	193	4	2	212	4	3	110	2	2
100 to 499 lb	452	19	4	830	24	11	947	19	14	339	10	10
500 to 749 lb	213	8	2	377	12	6	288	11	8	189	8	9
750 to 999 lb	173	9	2	248	11	5	141	9	6	S	2	2
1,000 to 9,999 lb	1 586	155	33	2 621	191	85	1 285	157	117	895	52	52
10,000 to 49,999 lb	2 155	424	83	3 640	925	407	2 430	437	322	1 083	230	233
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	28	4	4
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**6 465**	**1 324**	**292**	**18 096**	**2 718**	**1 276**	**8 576**	**1 268**	**983**	**3 100**	**422**	**440**
Less than 50 lb	291	11	2	203	9	4	132	6	4	38	2	2
50 to 99 lb	78	6	1	53	3	2	39	3	2	21	S	S
100 to 499 lb	196	18	4	275	18	8	120	11	8	103	6	6
500 to 749 lb	110	11	2	97	8	4	100	6	5	57	4	4
750 to 999 lb	75	9	2	66	8	4	52	5	4	S	2	2
1,000 to 9,999 lb	3 363	433	87	10 756	1 176	545	4 896	568	467	1 756	212	230
10,000 to 49,999 lb	2 318	686	156	6 496	1 467	694	3 222	665	490	S	174	175
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**561**	**49**	**11**	**1 001**	**122**	**59**	**880**	**154**	**114**	**293**	**16**	**15**
Less than 50 lb	S	S	S	92	–	–	59	–	–	S	–	–
50 to 99 lb	S	S	S	S	–	–	24	S	S	13	–	–
100 to 499 lb	29	–	–	39	–	–	87	S	S	28	S	S
500 to 749 lb	S	S	S	S	–	–	15	–	–	S	S	S
750 to 999 lb	S	S	S	S	–	–	S	–	–	S	S	S
1,000 to 9,999 lb	361	27	6	382	27	12	354	24	18	100	8	8
10,000 to 49,999 lb	67	14	3	S	50	23	212	101	73	S	5	5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	103	S	S	16	20	17	S	S	S
SCTG 38, Precision instruments and apparatus	**638**	**18**	**4**	**811**	**28**	**12**	**756**	**19**	**14**	**349**	**7**	**7**
Less than 50 lb	286	2	–	449	2	1	377	1	1	243	1	1
50 to 99 lb	44	–	–	118	1	–	S	–	–	S	–	–
100 to 499 lb	77	2	1	93	3	1	81	3	2	S	2	2
500 to 749 lb	S	S	–	24	1	1	S	1	1	S	S	S
750 to 999 lb	S	S	S	12	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	2	87	12	5	74	S	S	11	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**909**	**249**	**54**	**1 948**	**580**	**279**	**2 059**	**552**	**392**	**745**	**199**	**203**
Less than 50 lb	8	1	–	22	1	1	19	1	1	7	1	1
50 to 99 lb	9	1	–	18	2	1	25	3	2	13	1	1
100 to 499 lb	92	15	3	179	28	13	171	28	21	86	14	14
500 to 749 lb	57	9	2	90	15	7	73	12	9	19	4	4
750 to 999 lb	37	7	2	73	15	7	62	11	8	42	7	7
1,000 to 9,999 lb	484	125	27	985	266	125	1 071	269	192	357	100	102
10,000 to 49,999 lb	218	90	20	574	215	106	622	216	152	220	72	73
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**4 091**	**1 740**	**361**	**5 143**	**1 834**	**817**	**3 319**	**866**	**633**	**1 281**	**343**	**350**
Less than 50 lb	410	10	2	540	13	6	394	11	8	167	5	5
50 to 99 lb	110	7	1	112	7	3	125	6	5	37	2	2
100 to 499 lb	328	34	7	489	47	22	381	41	29	169	13	13
500 to 749 lb	84	10	2	100	13	6	158	14	10	86	10	10
750 to 999 lb	43	9	2	122	14	7	116	12	9	25	4	4
1,000 to 9,999 lb	813	221	48	1 356	313	136	930	182	134	343	78	80
10,000 to 49,999 lb	2 211	1 218	250	2 213	1 179	528	1 081	516	378	434	220	223
50,000 to 99,999 lb	73	214	45	103	112	49	34	23	17	S	S	S
100,000 lb or more	S	S	S	108	135	59	S	60	42	S	S	S
SCTG 41, Waste and scrap	**589**	**3 686**	**850**	**562**	**2 553**	**1 299**	**92**	**235**	**165**	**18**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	–	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	10	12	2	8	3	2	S	S	S	–	–	–
10,000 to 49,999 lb	252	994	202	203	519	217	81	122	83	15	23	24
50,000 to 99,999 lb	33	309	80	2	18	S	S	S	S	S	S	S
100,000 lb or more	293	2 369	564	S	2 012	1 071	8	107	78	S	S	S
SCTG 43, Mixed freight	**6 771**	**2 651**	**518**	**1 857**	**533**	**214**	**772**	**194**	**146**	**184**	**32**	**33**
Less than 50 lb	13	2	–	8	1	–	S	S	S	3	S	S
50 to 99 lb	15	S	S	S	S	S	6	S	S	S	S	S
100 to 499 lb	115	36	7	46	10	4	17	S	2	S	S	S
500 to 749 lb	112	36	7	S	S	S	S	S	S	–	–	–
750 to 999 lb	105	22	4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	2 865	567	114	817	171	70	337	96	77	–	–	–
10,000 to 49,999 lb	3 512	1 914	367	920	332	134	395	88	62	170	31	32
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	**S**	**492**	**109**	**S**	**S**	**S**	**S**	**S**	**S**	**50**	**S**	**S**
Less than 50 lb	S	–	–	8	–	–	4	–	–	S	S	S
50 to 99 lb	S	–	–	–	–	–	S	S	S	S	S	S
100 to 499 lb	14	2	–	10	1	–	3	S	S	S	S	S
500 to 749 lb	S	–	–	1	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	32	6	S	6	3	S	6	4	S	S	S
10,000 to 49,999 lb	S	231	50	S	56	26	S	S	S	12	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	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**11 447**	**4 053**	**5 893**	**23 091**	**6 713**	**15 257**	**3 529**	**1 742**	**4 829**
Less than 50 lb	824	18	26	1 209	28	59	296	7	19
50 to 99 lb	309	15	21	352	13	28	129	5	15
100 to 499 lb	896	51	71	1 461	80	169	274	S	S
500 to 749 lb	272	29	41	567	33	69	95	7	19
750 to 999 lb	264	22	30	207	26	55	74	8	21
1,000 to 9,999 lb	3 278	560	793	5 422	726	1 588	1 146	117	310
10,000 to 49,999 lb	5 029	2 101	2 893	12 331	3 850	8 445	1 046	470	1 243
50,000 to 99,999 lb	150	184	253	402	241	538	S	46	126
100,000 lb or more	424	1 074	1 766	1 139	1 715	4 306	369	S	S
SCTG 01, Live animals and live fish	**21**	**13**	**16**	**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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**–**	**–**	**–**	**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	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 03, Other agricultural products	**S**	**S**	**S**	**354**	**202**	**396**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	S	S	S
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	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**9**	**11**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**176**	**78**	**110**	**323**	**165**	**345**	**75**	**58**	**160**
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	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	45	12	18	38	12	26	4	S	S
10,000 to 49,999 lb	121	62	86	280	152	317	53	31	88
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**159**	**194**	**275**	**276**	**229**	**493**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	6	4	6	5	3	7	S	S	S
10,000 to 49,999 lb	135	141	197	259	165	325	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**79**	**70**	**96**	**599**	**435**	**S**	**49**	**29**	**71**
Less than 50 lb	S	S	S	2	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	13	S	S	27	11	24	S	S	S
10,000 to 49,999 lb	47	41	55	534	S	S	43	27	66
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**54**	**12**	**18**	**234**	**97**	**220**	**21**	**9**	**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	–	–	–
1,000 to 9,999 lb	S	S	S	S	1	3	S	S	S
10,000 to 49,999 lb	54	12	18	225	95	217	21	9	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**S**	**4**	**5**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	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	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	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	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
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	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**47**	**64**	**15**	**39**	**86**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	2	24	31	12	34	73	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	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 14, Metallic ores and concentrates	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 15, Coal	**–**	**–**	**–**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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 18, Fuel oils	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**29**	**59**	**83**	**43**	**133**	**303**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
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 20, Basic chemicals	**266**	**162**	**225**	**482**	**301**	**705**	**21**	**10**	**30**
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	–	–	–	–	–
500 to 749 lb	S	S	S	S	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	4	5	64	6	13	S	S	S
10,000 to 49,999 lb	128	122	169	224	111	247	15	9	24
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	166	174	427	S	S	S
SCTG 21, Pharmaceutical products	**134**	**11**	**S**	**193**	**S**	**S**	**S**	**–**	**1**
Less than 50 lb	78	1	1	44	1	2	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**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	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**218**	**76**	**100**	**509**	**236**	**491**	**S**	**13**	**41**
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	6	1	1	12	2	4	2	S	S
500 to 749 lb	9	2	2	9	2	3	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	63	12	17	71	17	36	S	S	S
10,000 to 49,999 lb	134	58	76	407	212	442	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**596**	**221**	**318**	**998**	**347**	**740**	**103**	**35**	**91**
Less than 50 lb	8	–	–	9	–	1	3	–	–
50 to 99 lb	S	–	1	10	–	1	S	S	S
100 to 499 lb	23	2	3	22	3	6	S	–	1
500 to 749 lb	8	2	2	S	1	2	S	S	S
750 to 999 lb	5	1	2	2	–	1	4	S	S
1,000 to 9,999 lb	133	41	56	151	38	80	24	5	13
10,000 to 49,999 lb	381	153	215	760	287	612	62	27	68
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 25, Logs and other wood in the rough	**31**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	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	18	25	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 26, Wood products	**188**	**244**	**356**	**233**	**238**	**543**	**62**	**73**	**189**
Less than 50 lb	S	–	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	–	–	S	S	S
100 to 499 lb	4	1	1	S	S	S	S	–	–
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	11	12	5	10	S	S	S
10,000 to 49,999 lb	93	106	149	169	152	340	51	42	110
50,000 to 99,999 lb	12	14	19	S	9	20	7	S	31
100,000 lb or more	47	116	177	36	71	169	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**392**	**718**	**1 067**	**514**	**789**	**1 869**	**51**	**85**	**239**
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	7	9	S	5	12	S	S	S
10,000 to 49,999 lb	211	290	398	234	312	692	38	54	148
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	155	390	614	255	456	1 127	S	S	S
SCTG 28, Paper or paperboard articles	**128**	**86**	**124**	**151**	**65**	**140**	**43**	**21**	**53**
Less than 50 lb	5	S	S	18	1	2	S	S	S
50 to 99 lb	S	–	–	3	S	S	S	S	S
100 to 499 lb	5	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	–	1	S	S	S
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	23	8	15	S	S	S
10,000 to 49,999 lb	93	73	102	96	55	120	40	21	52
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**307**	**77**	**103**	**1 035**	**220**	**480**	**88**	**20**	**50**
Less than 50 lb	83	5	7	177	8	17	20	1	3
50 to 99 lb	S	1	2	51	3	6	S	S	S
100 to 499 lb	23	S	3	S	15	30	4	1	1
500 to 749 lb	S	2	S	38	4	8	S	S	S
750 to 999 lb	S	1	1	5	2	3	S	S	S
1,000 to 9,999 lb	75	17	25	298	38	82	15	5	13
10,000 to 49,999 lb	63	49	64	199	139	310	23	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**1 425**	**173**	**235**	**4 838**	**382**	**793**	**296**	**21**	**54**
Less than 50 lb	100	4	5	143	6	13	37	S	S
50 to 99 lb	38	2	2	44	2	5	33	S	S
100 to 499 lb	219	12	16	214	11	23	28	2	5
500 to 749 lb	S	S	S	63	5	10	12	1	3
750 to 999 lb	S	S	S	22	3	6	6	1	2
1,000 to 9,999 lb	408	41	56	851	89	190	80	7	18
10,000 to 49,999 lb	472	100	135	S	264	541	99	7	16
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**89**	**120**	**171**	**S**	**110**	**251**	**84**	**70**	**189**
Less than 50 lb	S	–	–	S	–	–	S	–	–
50 to 99 lb	S	S	S	S	–	–	S	–	–
100 to 499 lb	2	–	1	3	1	1	–	–	–
500 to 749 lb	S	–	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	15	8	10	8	3	7	10	S	S
10,000 to 49,999 lb	63	85	115	S	95	218	62	60	162
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**597**	**310**	**454**	**1 151**	**952**	**2 372**	**S**	**S**	**S**
Less than 50 lb	1	–	–	12	–	–	S	S	S
50 to 99 lb	2	–	–	4	–	1	S	S	S
100 to 499 lb	14	1	2	17	S	S	S	–	1
500 to 749 lb	21	3	4	S	1	2	S	S	S
750 to 999 lb	12	1	2	3	1	2	–	–	–
1,000 to 9,999 lb	110	20	30	46	20	44	4	3	8
10,000 to 49,999 lb	322	181	240	604	340	760	36	23	57
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	107	98	169	309	S	S	S	S	S
SCTG 33, Articles of base metal	**304**	**173**	**248**	**723**	**366**	**861**	**154**	**S**	**S**
Less than 50 lb	23	1	1	34	1	2	17	1	2
50 to 99 lb	5	–	1	8	–	1	S	S	S
100 to 499 lb	23	2	3	86	5	12	22	2	4
500 to 749 lb	S	2	S	42	4	9	S	S	S
750 to 999 lb	6	S	S	11	2	4	4	1	2
1,000 to 9,999 lb	102	35	49	236	54	110	34	7	19
10,000 to 49,999 lb	121	109	158	224	120	254	21	18	S
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 34, Machinery	**788**	**88**	**126**	**1 173**	**189**	**418**	**287**	**53**	**145**
Less than 50 lb	81	1	1	94	1	3	9	–	–
50 to 99 lb	27	1	1	18	–	1	4	–	–
100 to 499 lb	83	4	5	91	5	11	17	1	3
500 to 749 lb	45	3	5	18	2	5	11	1	1
750 to 999 lb	23	2	2	S	3	7	S	S	S
1,000 to 9,999 lb	247	27	37	355	48	103	105	8	22
10,000 to 49,999 lb	219	34	49	547	121	271	114	36	94
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**2 109**	**165**	**222**	**2 411**	**280**	**602**	**S**	**33**	**86**
Less than 50 lb	202	2	3	267	3	6	95	2	4
50 to 99 lb	74	1	1	66	1	1	23	1	2
100 to 499 lb	226	4	6	392	11	22	84	2	5
500 to 749 lb	46	3	4	117	3	7	10	1	2
750 to 999 lb	18	1	1	25	2	3	S	S	S
1,000 to 9,999 lb	346	51	69	504	46	97	S	S	45
10,000 to 49,999 lb	S	102	136	1 030	212	460	S	10	26
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**1 941**	**254**	**369**	**3 409**	**429**	**981**	**372**	**74**	**187**
Less than 50 lb	18	1	1	26	1	2	S	–	S
50 to 99 lb	2	–	–	S	–	1	S	S	S
100 to 499 lb	26	3	4	25	3	7	7	1	2
500 to 749 lb	10	1	2	S	2	4	S	S	S
750 to 999 lb	8	1	2	10	2	5	S	S	S
1,000 to 9,999 lb	1 254	136	199	2 149	224	521	114	17	46
10,000 to 49,999 lb	623	113	161	1 121	183	414	169	48	121
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**129**	**S**	**S**	**202**	**26**	**60**	**334**	**14**	**38**
Less than 50 lb	13	–	–	23	–	–	26	–	–
50 to 99 lb	S	–	–	S	–	–	9	S	S
100 to 499 lb	S	S	S	17	–	–	28	–	–
500 to 749 lb	S	S	S	S	–	–	S	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	29	3	4	54	6	14	S	6	16
10,000 to 49,999 lb	S	3	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**166**	**9**	**11**	**209**	**3**	**6**	**29**	**–**	**1**
Less than 50 lb	87	S	S	165	S	1	10	–	–
50 to 99 lb	S	–	–	S	S	S	S	S	S
100 to 499 lb	10	1	1	5	S	S	S	S	S
500 to 749 lb	S	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	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	**272**	**96**	**130**	**291**	**63**	**139**	**97**	**23**	**65**
Less than 50 lb	4	–	–	4	–	–	3	–	–
50 to 99 lb	6	1	1	7	1	2	S	S	S
100 to 499 lb	33	6	8	41	5	10	11	2	4
500 to 749 lb	8	2	3	13	2	5	S	S	S
750 to 999 lb	12	2	2	S	3	6	S	S	S
1,000 to 9,999 lb	138	41	57	149	32	72	60	13	38
10,000 to 49,999 lb	66	28	38	40	16	34	S	7	18
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**566**	**284**	**399**	**1 479**	**227**	**476**	**259**	**43**	**112**
Less than 50 lb	96	2	3	168	4	8	41	1	3
50 to 99 lb	13	1	1	87	3	5	S	1	2
100 to 499 lb	68	6	9	138	9	18	39	S	S
500 to 749 lb	29	2	3	S	3	7	S	S	S
750 to 999 lb	S	2	2	13	2	4	S	S	S
1,000 to 9,999 lb	137	36	50	292	46	97	104	S	S
10,000 to 49,999 lb	181	121	167	559	150	314	31	6	18
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 41, Waste and scrap	**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	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 43, Mixed freight	**S**	**S**	**S**	**117**	**36**	**78**	**74**	**5**	**12**
Less than 50 lb	S	–	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	74	5	12
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	**S**	**S**	**S**	**49**	**18**	**37**	**S**	**S**	**S**
Less than 50 lb	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	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
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.

[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	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**	**7.6**
Single modes	**2.4**	**1.1**	**8.4**	**1.1**	**8.2**	**1.9**	**5.3**
Truck	2.6	1.3	8.1	2.1	5.2	3.0	4.1
For-hire truck	4.2	1.6	11.4	1.8	3.3	2.4	4.5
Private truck	4.8	1.2	8.6	2.0	15.1	1.1	7.5
Rail	7.1	.3	11.8	1.1	12.7	2.3	3.9
Water	17.7	.2	17.4	1.1	21.1	1.8	28.4
Shallow draft	18.7	.2	17.9	1.1	22.4	1.9	30.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	20.6
Air (includes truck and air)	13.1	.1	14.1	–	27.4	–	3.6
Pipeline	36.8	.1	37.7	.2	S	S	S
Multiple modes	**11.0**	**.8**	**23.6**	**.5**	**32.9**	**1.6**	**3.6**
Parcel, U.S. Postal Service or courier	6.6	.4	15.2	–	8.9	–	3.7
Truck and rail	30.4	.7	26.1	.2	15.5	.4	9.6
Truck and water	24.9	–	42.8	.5	42.2	.9	S
Rail and water	S	S	S	S	S	S	21.0
Other multiple modes	S	S	S	S	S	S	25.4
Other and unknown modes	**19.4**	**1.0**	**20.0**	**.8**	**29.5**	**.8**	**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–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	**2.4**	**3.4**	**4.5**	**8.5**	**3.9**	**10.3**	**9.5**	**8.2**	**13.3**	**7.6**	**5.0**	**9.1**
Single modes	**2.4**	**3.6**	**4.5**	**8.4**	**4.2**	**10.4**	**8.2**	**8.8**	**12.4**	**5.3**	**5.2**	**7.8**
Truck	2.6	4.1	5.1	8.1	3.5	10.2	5.2	5.5	8.1	4.1	4.2	6.1
For-hire truck	4.2	6.1	7.8	11.4	5.9	14.0	3.3	2.7	4.8	4.5	2.8	5.3
Private truck	4.8	3.0	5.6	8.6	4.4	11.5	15.1	14.0	19.7	7.5	5.4	9.2
Rail	7.1	7.1	10.2	11.8	14.8	18.4	12.7	16.1	22.0	3.9	6.4	7.5
Water	17.7	16.9	21.5	17.4	16.0	24.3	21.1	24.5	27.2	28.4	36.5	9.2
Shallow draft	18.7	22.0	26.9	17.9	19.8	30.3	22.4	30.7	36.4	30.1	10.7	11.0
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	S	40.3	S	S	43.8	S	S	35.8	S	20.6	16.9	1.7
Air (includes truck and air)	13.1	24.9	18.9	14.1	15.1	20.4	27.4	20.3	32.5	3.6	2.7	4.4
Pipeline	36.8	45.1	111.2	37.7	47.5	105.3	S	S	S	S	S	S
Multiple modes	**11.0**	**7.7**	**18.2**	**23.6**	**11.5**	**26.0**	**32.9**	**13.9**	**48.1**	**3.6**	**2.6**	**4.8**
Parcel, U.S. Postal Service or courier	6.6	5.0	9.7	15.2	9.0	20.7	8.9	10.6	13.7	3.7	2.6	4.9
Truck and rail	30.4	33.1	93.1	26.1	26.2	70.9	15.5	17.8	35.8	9.6	7.2	10.0
Truck and water	24.9	18.6	18.0	42.8	20.2	26.2	42.2	21.9	28.0	S	47.4	S
Rail and water	S	27.8	S	S	34.3	S	S	S	S	21.0	18.3	11.1
Other multiple modes	S	S	S	S	45.6	S	S	44.6	S	25.4	20.0	30.5
Other and unknown modes	**19.4**	**17.1**	**38.9**	**20.0**	**17.4**	**27.2**	**29.5**	**14.1**	**54.0**	**S**	**45.5**	**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–1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	**–**	**–**	**–**	**–**	**–**	**–**
Single modes	**1.1**	**.6**	**1.1**	**.9**	**1.9**	**1.1**
Truck	1.3	.9	2.1	1.8	3.0	2.2
For-hire truck	1.6	1.4	1.8	1.5	2.4	1.8
Private truck	1.2	1.1	2.0	1.5	1.1	1.0
Rail	.3	.4	1.1	1.8	2.3	3.0
Water	.2	.3	1.1	1.1	1.8	2.1
Shallow draft	.2	.3	1.1	1.1	1.9	2.0
Great Lakes	–	–	–	–	–	–
Deep draft	S	.2	S	.6	S	1.0
Air (includes truck and air)	.1	.4	–	–	–	–
Pipeline	.1	–	.2	.3	S	S
Multiple modes	**.8**	**.5**	**.5**	**.4**	**1.6**	**1.1**
Parcel, U.S. Postal Service or courier	.4	.3	–	–	–	–
Truck and rail	.7	.5	.2	–	.4	.2
Truck and water	–	–	.5	.4	.9	1.0
Rail and water	S	–	S	.2	S	S
Other multiple modes	S	S	S	–	S	.1
Other and unknown modes	**1.0**	**.6**	**.8**	**.9**	**.8**	**.3**

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

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

Table B–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	**9.5**	**–**	**7.3**
Truck	5.1	3.0	4.0
Rail	12.0	2.1	4.0
Shallow draft	24.2	2.6	12.9
Great Lakes	–	–	22.9
Deep draft	S	S	31.5
Air	28.5	–	3.8
Parcel, U.S. Postal Service or courier	8.9	–	3.7
Pipeline	S	S	S
Other and unknown modes	29.5	.8	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–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	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**
Less than 50 miles	3.6	.8	10.4	2.1	11.6	.4
50 to 99 miles	4.9	.3	12.3	1.0	16.9	.5
100 to 249 miles	5.1	.5	8.2	1.1	10.2	1.4
250 to 499 miles	5.7	.9	16.0	1.1	17.6	2.4
500 to 749 miles	3.4	.4	11.0	.5	14.7	1.7
750 to 999 miles	4.7	.2	8.5	.2	9.3	.9
1,000 to 1,499 miles	7.8	.2	5.8	–	7.1	.3
1,500 to 1,999 miles	9.2	.5	7.1	–	8.2	.8
2,000 miles or more	11.7	.1	33.8	–	34.3	.7
Single modes	**2.4**	**–**	**8.4**	**–**	**8.2**	**–**
Less than 50 miles	2.6	.6	10.5	2.2	11.9	.4
50 to 99 miles	5.0	.4	12.5	1.1	17.2	.6
100 to 249 miles	5.4	.7	8.8	1.1	10.7	1.5
250 to 499 miles	6.3	1.0	16.8	1.2	15.5	2.2
500 to 749 miles	3.0	.4	8.8	.5	10.8	1.6
750 to 999 miles	5.3	.3	9.2	.2	10.2	.9
1,000 to 1,499 miles	9.1	.2	6.2	–	7.6	.3
1,500 to 1,999 miles	11.5	.5	7.9	–	9.2	.7
2,000 miles or more	15.4	.1	15.9	–	17.2	.3
Truck	**2.6**	**–**	**8.1**	**–**	**5.2**	**–**
Less than 50 miles	2.6	.7	11.2	2.3	13.2	1.1
50 to 99 miles	5.2	.4	12.1	1.2	11.5	.8
100 to 249 miles	5.4	.7	5.8	.8	6.5	1.0
250 to 499 miles	7.1	1.0	21.2	1.2	16.4	1.9
500 to 749 miles	3.4	.3	5.7	.3	6.2	1.1
750 to 999 miles	5.8	.3	4.9	–	5.0	.4
1,000 to 1,499 miles	9.8	.2	4.4	–	4.4	.2
1,500 to 1,999 miles	13.3	.6	6.8	–	6.7	.6
2,000 miles or more	16.3	.1	9.0	–	9.3	.1
For-hire truck	**4.2**	**–**	**11.4**	**–**	**3.3**	**–**
Less than 50 miles	5.8	.5	18.3	2.8	17.8	1.0
50 to 99 miles	5.1	.3	24.4	1.7	23.2	1.0
100 to 249 miles	4.1	.5	6.3	.9	6.3	.6
250 to 499 miles	8.6	1.1	4.1	1.1	4.3	.9
500 to 749 miles	4.5	.5	6.7	.8	7.4	1.3
750 to 999 miles	6.8	.5	5.6	.2	5.7	.5
1,000 to 1,499 miles	11.0	.4	4.7	–	4.7	.3
1,500 to 1,999 miles	14.4	.8	6.9	.1	6.8	.8
2,000 miles or more	16.7	.2	10.6	–	10.9	.2
Private truck	**4.8**	**–**	**8.6**	**–**	**15.1**	**–**
Less than 50 miles	3.5	1.6	11.4	3.3	14.6	2.5
50 to 99 miles	7.8	.6	10.8	2.0	9.7	1.8
100 to 249 miles	12.1	1.2	10.4	1.0	12.3	2.2
250 to 499 miles	5.9	.4	S	S	S	S
500 to 749 miles	8.5	.3	9.1	.1	8.9	.9
750 to 999 miles	8.1	.1	7.6	–	7.7	.4
1,000 to 1,499 miles	13.7	–	18.2	–	18.9	.3
1,500 to 1,999 miles	20.5	.2	26.4	–	25.6	.8
2,000 miles or more	22.9	–	26.5	–	26.3	.2
Rail	**7.1**	**–**	**11.8**	**–**	**12.7**	**–**
Less than 50 miles	14.4	.8	20.9	2.8	28.3	.3
50 to 99 miles	18.6	.9	29.0	2.3	29.6	.7
100 to 249 miles	8.1	1.1	15.6	2.9	16.5	2.3
250 to 499 miles	12.6	2.1	21.3	3.7	22.0	3.7
500 to 749 miles	7.8	1.4	20.4	1.6	21.5	2.6
750 to 999 miles	18.4	1.1	22.9	1.1	23.6	2.0
1,000 to 1,499 miles	13.3	.4	18.8	.2	21.9	.6
1,500 to 1,999 miles	15.0	.9	21.9	.4	23.0	1.8
2,000 miles or more	45.4	.4	44.1	.1	44.1	.7
Water	**17.7**	**–**	**17.4**	**–**	**21.1**	**–**
Less than 50 miles	33.0	5.4	33.0	4.1	48.6	.6
50 to 99 miles	41.5	3.9	40.8	4.1	S	S
100 to 249 miles	23.7	5.4	23.4	5.8	24.8	6.9
250 to 499 miles	S	S	43.5	5.0	37.9	5.7
500 to 749 miles	24.1	6.0	29.6	2.9	34.7	6.4
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	–	–	–	–	–	–
Shallow draft	**18.7**	**–**	**17.9**	**–**	**22.4**	**–**
Less than 50 miles	39.4	5.3	36.2	4.2	S	S
50 to 99 miles	41.5	4.2	40.8	4.9	S	S
100 to 249 miles	25.4	6.6	24.3	6.4	25.3	6.9
250 to 499 miles	45.1	5.1	32.7	4.3	30.5	5.3
500 to 749 miles	30.8	6.2	34.2	3.1	37.7	7.2
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	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	47.1	6.6	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**13.1**	**–**	**14.1**	**–**	**27.4**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	19.0	.2	39.0	1.4	35.8	.5
100 to 249 miles	24.4	3.0	21.6	3.2	22.7	1.4
250 to 499 miles	16.3	3.9	22.4	3.4	21.8	2.9
500 to 749 miles	28.2	3.3	25.6	3.6	24.0	3.6
750 to 999 miles	26.2	2.0	22.1	1.3	20.9	1.2
1,000 to 1,499 miles	31.4	1.5	22.2	1.8	23.6	2.7
1,500 to 1,999 miles	15.6	1.6	17.4	1.4	17.1	2.5
2,000 miles or more	25.0	.9	S	S	S	S
Pipeline	**36.8**	**–**	**37.7**	**–**	**S**	**S**
Less than 50 miles	31.3	11.0	33.7	11.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	48.1	12.1	48.7	12.0	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
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**11.0**	**–**	**23.6**	**–**	**32.9**	**–**
Less than 50 miles	9.4	.9	47.0	5.2	S	S
50 to 99 miles	14.1	.7	30.9	2.1	25.3	.2
100 to 249 miles	9.8	1.2	36.7	5.0	37.6	3.2
250 to 499 miles	12.1	1.7	43.0	4.0	S	S
500 to 749 miles	20.0	1.5	42.6	4.4	47.9	5.5
750 to 999 miles	18.3	.9	30.6	1.2	34.0	1.5
1,000 to 1,499 miles	21.8	.6	24.5	.9	24.3	1.4
1,500 to 1,999 miles	11.5	.7	15.0	2.4	15.0	5.5
2,000 miles or more	12.1	.3	23.4	.3	21.3	1.1
Parcel, U.S. Postal Service or courier	**6.6**	**–**	**15.2**	**–**	**8.9**	**–**
Less than 50 miles	10.3	.9	S	S	45.5	.5
50 to 99 miles	14.7	.8	13.5	1.0	13.8	.2
100 to 249 miles	10.6	.9	8.1	1.4	7.4	.5
250 to 499 miles	6.5	.6	8.2	1.4	8.4	.6
500 to 749 miles	8.4	.9	9.7	1.3	9.2	1.0
750 to 999 miles	9.9	.7	7.0	.6	7.1	.8
1,000 to 1,499 miles	10.3	.4	9.6	.4	9.4	.7
1,500 to 1,999 miles	7.0	.4	9.0	.7	8.7	1.5
2,000 miles or more	12.3	.2	S	S	48.3	2.6
Truck and rail	**30.4**	**–**	**26.1**	**–**	**15.5**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	46.0	.2	49.8	2.2	S	S
100 to 249 miles	46.5	3.5	41.4	5.7	39.3	3.6
250 to 499 miles	28.7	5.7	26.7	3.7	27.0	2.5
500 to 749 miles	44.2	3.8	37.5	3.9	36.7	3.5
750 to 999 miles	S	S	37.7	1.9	37.5	1.8
1,000 to 1,499 miles	39.5	1.7	28.0	1.8	27.5	2.1
1,500 to 1,999 miles	22.3	5.7	16.5	4.8	16.3	4.6
2,000 miles or more	39.9	1.4	25.4	.4	25.8	.8
Truck and water	**24.9**	**–**	**42.8**	**–**	**42.2**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	S	S	44.2	5.6
100 to 249 miles	27.5	7.6	45.5	8.2	43.4	7.4
250 to 499 miles	37.6	3.7	45.1	4.2	43.3	4.8
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	47.7	7.0	42.8	5.6	42.8	7.4

See footnotes at end of table.

Table B–3. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the 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	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**19.4**	**–**	**20.0**	**–**	**29.5**	**–**
Less than 50 miles	28.9	5.9	25.7	8.8	25.2	4.4
50 to 99 miles	23.4	.8	23.0	2.3	23.9	.5
100 to 249 miles	18.9	2.4	30.4	4.1	37.7	3.2
250 to 499 miles	14.2	1.6	29.4	4.7	28.9	4.6
500 to 749 miles	22.4	2.2	26.5	1.1	25.8	3.1
750 to 999 miles	21.7	1.4	19.3	.5	18.8	1.5
1,000 to 1,499 miles	20.9	.3	33.0	.1	33.7	1.1
1,500 to 1,999 miles	46.1	.7	21.3	.2	21.7	1.4
2,000 miles or more	48.6	.8	S	S	S	S

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**	**7.6**
Less than 50 lb	5.3	.3	5.3	–	6.6	–	9.8
50 to 99 lb	3.8	–	11.7	–	8.3	–	11.0
100 to 499 lb	4.0	.3	9.1	–	6.7	–	6.4
500 to 749 lb	5.5	.1	8.0	–	5.6	–	4.4
750 to 999 lb	4.5	–	6.7	–	6.1	–	4.5
1,000 to 9,999 lb	6.9	1.4	3.2	.3	6.5	.7	5.8
10,000 to 49,999 lb	3.3	1.0	7.3	2.5	2.2	2.5	4.6
50,000 to 99,999 lb	4.1	.2	13.0	1.3	18.7	1.0	10.6
100,000 lb or more	8.7	.6	14.5	2.8	14.9	3.0	10.6
Single modes	**2.4**	**–**	**8.4**	**–**	**8.2**	**–**	**5.3**
Less than 50 lb	7.3	.2	8.5	–	9.1	–	10.6
50 to 99 lb	6.8	–	13.5	–	13.7	–	15.6
100 to 499 lb	4.8	.3	8.1	–	6.3	–	5.7
500 to 749 lb	5.8	.1	7.7	–	5.6	–	4.2
750 to 999 lb	4.7	–	6.1	–	6.2	–	4.8
1,000 to 9,999 lb	4.6	.9	3.4	.3	3.6	.5	5.3
10,000 to 49,999 lb	3.6	1.0	7.3	2.5	2.2	2.3	4.7
50,000 to 99,999 lb	4.2	.2	14.1	1.5	23.0	1.0	8.4
100,000 lb or more	8.8	.7	15.0	2.8	12.3	2.8	11.1
Truck	**2.6**	**–**	**8.1**	**–**	**5.2**	**–**	**4.1**
Less than 50 lb	7.9	.2	8.8	–	10.7	–	8.8
50 to 99 lb	7.4	.1	13.6	–	14.5	–	16.4
100 to 499 lb	5.0	.3	8.1	–	6.5	–	5.8
500 to 749 lb	5.6	.1	7.7	–	5.6	–	4.2
750 to 999 lb	4.8	–	6.2	–	6.3	–	4.9
1,000 to 9,999 lb	4.7	1.0	3.5	.5	3.6	.6	5.3
10,000 to 49,999 lb	3.7	1.1	7.3	2.7	1.9	2.1	4.7
50,000 to 99,999 lb	4.1	.2	14.1	2.0	23.4	2.3	8.6
100,000 lb or more	14.9	.2	28.4	2.7	18.8	1.2	23.9
For-hire truck	**4.2**	**–**	**11.4**	**–**	**3.3**	**–**	**4.5**
Less than 50 lb	13.0	.1	11.8	–	11.8	–	7.7
50 to 99 lb	8.9	–	6.5	–	9.1	–	4.5
100 to 499 lb	7.6	.3	7.3	–	7.7	–	2.4
500 to 749 lb	8.1	.1	4.7	–	5.7	–	2.1
750 to 999 lb	9.6	.1	6.3	–	8.8	–	3.8
1,000 to 9,999 lb	7.5	1.6	5.5	.4	5.6	.6	2.6
10,000 to 49,999 lb	5.1	1.6	10.9	3.0	2.3	1.5	6.0
50,000 to 99,999 lb	7.0	.3	20.7	2.9	14.3	1.3	9.2
100,000 lb or more	15.0	.2	27.1	3.0	22.4	1.4	32.3
Private truck	**4.8**	**–**	**8.6**	**–**	**15.1**	**–**	**7.5**
Less than 50 lb	10.2	.3	9.4	–	14.1	–	9.7
50 to 99 lb	9.3	.2	14.7	–	29.7	–	31.6
100 to 499 lb	5.7	.6	9.1	.1	8.8	.1	8.7
500 to 749 lb	7.5	.2	9.5	–	14.4	–	5.5
750 to 999 lb	7.1	.1	8.0	–	9.1	–	5.5
1,000 to 9,999 lb	5.2	.8	5.5	.8	5.9	.9	6.7
10,000 to 49,999 lb	7.3	1.0	7.6	3.1	6.1	3.2	5.3
50,000 to 99,999 lb	4.8	.4	13.6	2.4	42.1	3.8	12.8
100,000 lb or more	20.9	.3	36.5	3.3	27.8	1.8	34.8
Rail	**7.1**	**–**	**11.8**	**–**	**12.7**	**–**	**3.9**
Less than 50 lb	S	S	S	S	43.3	–	28.3
50 to 99 lb	S	S	S	S	S	S	36.6
100 to 499 lb	40.6	–	S	S	48.0	–	29.5
500 to 749 lb	S	S	49.0	–	45.7	–	21.2
750 to 999 lb	44.5	–	42.6	–	S	S	19.7
1,000 to 9,999 lb	S	S	38.2	–	29.1	–	28.3
10,000 to 49,999 lb	15.9	1.8	18.9	.2	31.7	.6	7.9
50,000 to 99,999 lb	24.6	.5	19.8	.2	22.4	.2	10.1
100,000 lb or more	8.2	2.2	11.9	.3	13.0	.7	3.8
Water	**17.7**	**–**	**17.4**	**–**	**21.1**	**–**	**28.4**
Less than 50 lb	46.4	–	48.7	–	48.7	–	19.9
50 to 99 lb	S	S	49.8	–	49.8	–	20.5
100 to 499 lb	48.0	.5	47.4	–	42.8	–	31.7
500 to 749 lb	41.1	–	40.2	–	S	S	24.2
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	34.3
10,000 to 49,999 lb	S	S	S	S	S	S	38.2
50,000 to 99,999 lb	46.0	.4	43.3	.3	S	S	21.5
100,000 lb or more	17.8	1.3	17.7	1.0	21.2	.2	8.2
Shallow draft	**18.7**	**–**	**17.9**	**–**	**22.4**	**–**	**30.1**
Less than 50 lb	46.4	–	48.7	–	48.7	–	20.5
50 to 99 lb	S	S	49.8	–	49.8	–	20.5
100 to 499 lb	48.0	.5	47.4	–	42.8	–	31.7
500 to 749 lb	41.1	–	40.2	–	S	S	24.2
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	34.3
10,000 to 49,999 lb	S	S	S	S	S	S	38.2
50,000 to 99,999 lb	46.0	.4	43.3	.3	S	S	21.5
100,000 lb or more	18.8	1.3	18.1	1.0	22.4	.2	7.7

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	**S**	**S**	**S**	**S**	**S**	**S**	**20.6**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	20.6
Air (includes truck and air)	**13.1**	**–**	**14.1**	**–**	**27.4**	**–**	**3.6**
Less than 50 lb	15.8	3.9	17.9	2.5	15.1	2.7	4.1
50 to 99 lb	19.4	1.4	12.1	1.3	14.2	1.5	4.8
100 to 499 lb	16.2	3.6	11.2	2.8	11.3	3.7	5.6
500 to 749 lb	42.0	1.9	20.6	1.1	22.3	.9	7.3
750 to 999 lb	34.6	.5	38.5	1.1	30.7	.7	22.3
1,000 to 9,999 lb	25.7	2.5	16.7	3.5	16.4	3.0	20.2
10,000 to 49,999 lb	S	S	40.2	4.9	S	S	20.3
50,000 to 99,999 lb	S	S	S	S	S	S	24.5
100,000 lb or more	–	–	–	–	–	–	–
Pipeline	**36.8**	**–**	**37.7**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	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	37.2	10.1	37.9	10.1	S	S	S
Multiple modes	**11.0**	**–**	**23.6**	**–**	**32.9**	**–**	**3.6**
Less than 50 lb	8.0	3.3	7.3	1.4	8.1	1.1	3.3
50 to 99 lb	9.1	.9	12.6	.5	8.6	.5	7.0
100 to 499 lb	10.6	1.8	26.0	1.4	23.6	.9	10.9
500 to 749 lb	16.5	.2	43.9	.1	12.9	–	29.5
750 to 999 lb	27.6	.4	38.5	.1	27.3	–	37.5
1,000 to 9,999 lb	41.6	5.4	48.7	4.9	48.8	4.9	13.8
10,000 to 49,999 lb	24.2	1.5	15.8	4.5	11.8	7.0	10.1
50,000 to 99,999 lb	30.1	.4	47.1	8.4	47.0	7.6	33.4
100,000 lb or more	S	S	41.0	8.0	S	S	21.6
Parcel, U.S. Postal Service or courier	**6.6**	**–**	**15.2**	**–**	**8.9**	**–**	**3.7**
Less than 50 lb	8.0	1.8	7.3	3.0	8.1	2.7	3.3
50 to 99 lb	9.1	1.0	12.6	1.1	8.6	1.2	7.0
100 to 499 lb	10.6	1.6	26.0	3.5	23.6	3.2	10.9
500 to 749 lb	16.5	.3	44.0	.8	13.1	.4	29.5
750 to 999 lb	28.5	.5	38.9	.8	28.8	.9	39.3
1,000 to 9,999 lb	S	S	S	S	S	S	20.0
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**30.4**	**–**	**26.1**	**–**	**15.5**	**–**	**9.6**
Less than 50 lb	S	S	S	S	S	S	21.6
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	20.5
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	46.3	–	S	S	20.4
1,000 to 9,999 lb	41.7	12.1	48.8	6.1	49.2	5.8	16.9
10,000 to 49,999 lb	24.5	11.2	17.1	7.8	12.4	5.7	10.5
50,000 to 99,999 lb	33.6	.8	33.4	1.5	34.5	1.2	40.6
100,000 lb or more	34.7	1.3	S	S	44.4	3.4	S
Truck and water	**24.9**	**–**	**42.8**	**–**	**42.2**	**–**	**S**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	2.1	–	–	–	–	22.9
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	20.3
10,000 to 49,999 lb	S	S	49.0	4.3	44.3	6.0	S
50,000 to 99,999 lb	45.3	10.9	48.4	16.1	48.7	15.9	18.3
100,000 lb or more	41.4	10.4	34.5	14.0	42.7	12.9	17.2

See footnote at end of table.

Table B–4. **Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the Division: 1997**—Con.

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	**S**	**S**	**S**	**S**	**S**	**S**	**21.0**
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	3.7	.1	S	S	14.8	–	22.4
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	21.0
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**25.4**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	47.0	8.4	27.8
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	21.6
Other and unknown modes	**19.4**	**–**	**20.0**	**–**	**29.5**	**–**	**S**
Less than 50 lb	15.6	2.3	18.0	.2	14.4	–	S
50 to 99 lb	13.2	.6	12.8	–	27.5	–	24.7
100 to 499 lb	12.7	.9	18.1	.3	13.0	.1	23.6
500 to 749 lb	22.8	.5	17.1	–	20.2	–	22.1
750 to 999 lb	17.5	.2	16.2	–	22.9	–	31.7
1,000 to 9,999 lb	29.3	6.9	18.9	3.6	15.9	2.1	17.2
10,000 to 49,999 lb	19.0	3.1	21.2	2.9	16.2	5.7	16.7
50,000 to 99,999 lb	46.2	.3	29.7	2.1	42.4	2.1	33.7
100,000 lb or more	20.4	2.2	23.7	7.2	41.8	8.2	19.5

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**	**7.6**
01	Live animals and live fish	33.0	–	33.4	–	37.7	–	16.5
02	Cereal grains	33.2	.1	33.1	.4	33.5	.6	S
03	Other agricultural products	10.5	–	31.4	.4	31.2	.7	32.2
04	Animal feed and products of animal origin, n.e.c.	20.5	.2	15.8	.4	24.5	.3	S
05	Meat, fish, seafood, and their preparations	9.7	.2	10.0	.1	13.8	.2	13.2
06	Milled grain products and preparations, and bakery products	13.1	.2	11.8	.1	12.1	.2	30.5
07	Other prepared foodstuffs and fats and oils	6.3	.3	7.1	.3	15.0	.8	23.3
08	Alcoholic beverages	11.5	.1	11.7	–	28.6	.1	12.6
09	Tobacco products	26.3	.5	14.9	–	28.7	–	18.1
10	Monumental or building stone	S	S	S	S	44.3	–	23.2
11	Natural sands	18.0	–	42.3	.8	38.3	.4	19.3
12	Gravel and crushed stone	19.3	–	15.2	2.0	16.9	.8	10.8
13	Nonmetallic minerals n.e.c.	S	S	29.2	.3	17.6	.2	13.5
14	Metallic ores and concentrates	20.0	–	38.2	.2	41.6	.1	41.0
15	Coal	15.4	.2	17.2	2.3	20.5	3.2	34.7
17	Gasoline and aviation turbine fuel	8.5	.2	10.2	.5	23.7	.4	6.2
18	Fuel oils	12.4	.1	12.7	.3	S	S	7.5
19	Coal and petroleum products, n.e.c.	12.7	–	14.4	.3	11.5	.2	12.2
20	Basic chemicals	11.5	.3	21.6	.3	22.8	.4	18.6
21	Pharmaceutical products	12.1	.3	35.7	–	31.5	–	11.6
22	Fertilizers	19.7	–	22.3	.2	47.7	.7	18.7
23	Chemical products and preparations, n.e.c.	12.3	.3	15.9	.1	22.8	.3	12.6
24	Plastics and rubber	6.0	.3	9.4	.1	12.8	.3	6.5
25	Logs and other wood in the rough	10.5	–	20.3	.9	40.1	.9	23.8
26	Wood products	4.4	.1	9.4	.7	13.4	.9	11.9
27	Pulp, newsprint, paper, and paperboard	8.8	.2	9.7	.2	11.2	1.0	11.3
28	Paper or paperboard articles	8.3	.1	11.2	–	13.4	–	13.1
29	Printed products	11.9	.4	9.1	–	9.9	.2	23.6
30	Textiles, leather, and articles of textiles or leather	12.0	.9	8.1	–	14.7	.2	3.7
31	Nonmetallic mineral products	6.0	.1	14.9	1.1	5.2	.4	13.7
32	Base metal in primary or semifinished forms and in finished basic shapes	5.0	.2	8.6	.3	11.6	.7	8.2
33	Articles of base metal	5.4	.2	9.8	.1	14.2	.5	8.7
34	Machinery	12.1	.6	9.1	–	8.2	.2	6.1
35	Electronic and other electrical equipment and components and office equipment	6.6	.5	6.7	–	8.7	.1	10.1
36	Motorized and other vehicles (including parts)	13.4	1.5	11.2	.2	14.1	.5	13.4
37	Transportation equipment, n.e.c.	14.5	.1	16.6	–	16.8	–	9.9
38	Precision instruments and apparatus	16.5	.1	19.5	–	23.6	–	7.4
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	.2	13.5	–	12.5	.1	8.7
40	Miscellaneous manufactured products	11.1	.5	15.5	.1	9.7	.2	7.0
41	Waste and scrap	15.4	–	16.5	.2	22.8	.2	12.9
43	Mixed freight	17.8	.6	11.1	.1	10.4	.1	15.3
--	Commodity unknown	33.8	.1	S	S	S	S	17.2

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**	**7.6**
010	Live animals and live fish	33.0	–	33.4	–	37.7	–	16.5
021	Wheat	39.2	–	36.9	–	48.5	–	35.1
022	Corn, except sweet	41.3	–	39.8	.4	44.6	.6	S
029	Other cereal grains	45.4	–	49.9	.1	S	S	S
031	Fresh or chilled potatoes (Irish potatoes), except sweet	31.0	–	34.2	–	S	S	16.5
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	31.7	–	34.3	–	41.4	–	S
033	Fresh, chilled, or dried edible fruit and nuts	47.8	–	S	S	S	S	S
034	Soya beans	29.2	–	31.7	.1	40.7	.4	27.6
035	Oil seeds and nuts, except olives and soya beans	35.1	–	S	S	S	S	19.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	27.0	–	28.0	–	38.8	–	49.6
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	23.1	–	48.5	.1	35.9	–	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	49.4	.2	26.5	.1	45.1	.3	S
042	Animal feed preparations	17.8	.1	18.1	.4	24.4	.2	S
051	Meat including poultry, except preparations	11.0	.3	10.9	.1	14.8	.2	11.1
052	Fish, except live, and seafood, except preparations	31.4	–	26.3	–	24.5	–	37.6
053	Preparations, extracts, and juices of meat, fish, or seafood	31.5	–	40.6	–	41.9	–	24.1
061	Wheat flour, groats, and meal	26.6	–	26.1	–	35.6	–	16.8
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	20.5	–	19.1	–	22.6	.1	21.2
063	Food preparations of cereals, flour, starch, or milk	19.2	–	25.8	–	21.5	–	39.0
064	Bakery products	16.4	.1	15.1	–	23.3	.1	35.1
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	23.0	.1	29.5	.1	27.0	–	S
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	13.2	.1	15.7	–	20.1	.1	20.9
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	31.1	–	28.5	–	22.5	–	26.8
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	20.3	.1	22.8	.2	31.9	.7	27.4
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	36.2	–	36.2	.1	37.6	.2	16.3
076	Confectionery, cocoa, and cocoa preparations	27.4	–	24.9	–	29.0	–	15.5
077	Edible preparations, n.e.c. and vinegar	30.5	.2	35.5	.1	37.5	.2	29.1
078	Nonalcoholic beverages, n.e.c. and ice	11.9	.1	13.9	.1	16.7	–	27.6
081	Malt Beer	12.3	–	15.0	–	42.8	.1	13.3
082	Wine and other fermented beverages	24.3	–	27.8	–	26.9	–	14.9
083	Spirituous beverages and ethyl alcohol	19.6	.1	14.8	–	19.1	–	31.6
090	Tobacco products	26.3	.5	14.9	–	28.7	–	18.1
100	Monumental or building stone, except dolomite	S	S	S	S	44.3	–	23.2
110	Natural sands, except metal-bearing	18.0	–	42.3	.8	38.3	.4	19.3
120	Gravel and crushed stone, except dolomite and slate	19.3	–	15.2	2.0	16.9	.8	10.8
131	Salt	32.5	–	41.2	–	46.7	–	45.9
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	29.9	–	S	S	49.6	–	19.5
133	Dolomite	S	S	S	S	S	S	34.2
139	Other nonmetallic minerals	S	S	34.6	.2	21.6	.2	9.8
141	Iron ores and concentrates	S	S	S	S	S	S	28.8
149	Other metallic ores and concentrates	24.3	–	S	S	47.3	.1	29.8
151	Nonagglomerated bituminous coal	15.4	.2	17.2	2.3	20.6	3.2	34.8
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	7.4	.2	8.9	.5	20.5	.3	6.2
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	42.6
180	Fuel oils	12.4	.1	12.7	.3	S	S	7.5
191	Lubricating oils and greases	25.5	–	24.6	–	42.0	–	15.6
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	35.0	–	37.1	–	S	S	24.7
193	Gaseous hydrocarbons	31.3	–	40.8	–	28.0	–	46.2
199	Other products of petroleum refining, and coal products	20.0	–	20.0	.3	20.5	.2	16.5
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	S	S	S	S	S	S	18.1
202	Inorganic chemicals, n.e.c.	15.0	.1	17.0	.2	13.8	.2	34.9
203	Cyclic hydrocarbons	42.4	–	S	S	31.9	–	15.3
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	28.5	–	19.9	–	24.6	–	11.6
205	Organic chemicals, n.e.c.	15.7	.2	11.1	–	13.6	–	14.7
210	Pharmaceutical products	12.1	.3	35.7	–	31.5	–	11.6
220	Fertilizers and fertilizer materials	19.7	–	22.3	.2	47.7	.7	18.7
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	13.9	–	13.7	–	17.6	–	15.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	31.4	.1	S	S	40.3	–	21.1
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	29.2	–	36.3	–	46.4	.1	17.9
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	47.3	–	S	S	S	S	S
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	23.9	.2	28.6	–	43.7	.1	19.7
239	Other chemical products and preparations	34.3	.2	31.2	–	44.6	.2	16.4
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.5	.2	22.6	–	27.5	.2	9.5
242	Manmade fibers and plastics basic shapes and articles	9.1	.2	9.4	–	12.2	.1	7.3

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	6.0	.1	7.5	–	9.6	.1	10.5
250	Logs and other wood in the rough	10.5	–	20.3	.9	40.1	.9	23.8
261	Wood chips or particles	33.4	–	27.5	.5	S	S	13.2
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	6.3	–	7.5	.2	7.3	.2	9.4
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	10.8	–	10.4	–	15.1	.2	21.2
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.9	–	19.2	–	21.2	–	16.8
269	Other wood products	12.5	–	18.0	–	18.8	.1	19.5
271	Pulp of fibrous cellulosic materials	20.8	–	25.2	.2	33.5	.8	23.7
272	Newsprint in large rolls or sheets	39.3	–	39.5	–	39.8	.2	S
273	Uncoated paper and paperboard in large rolls or sheets	8.9	.1	9.2	.1	11.6	.6	13.9
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	20.1	.1	23.5	–	23.5	.3	21.1
280	Paper or paperboard articles	8.3	.1	11.2	–	13.4	–	13.1
291	Printed books, brochures, leaflets, and similar printed products	21.9	.3	15.6	–	16.7	–	6.1
292	Newspapers, journals, and periodicals	17.1	.1	17.4	–	33.6	–	S
293	Advertising material, commercial or trade catalogues, and similar printed products	14.8	–	22.5	–	19.5	–	25.6
299	Other printed products	23.2	.2	13.3	–	20.4	–	11.3
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	12.0	.2	10.8	–	13.3	–	7.1
302	Textile clothing and accessories, and headgear, except safety	16.4	.7	15.1	–	30.5	.1	3.6
303	Textiles and textile articles, n.e.c.	26.5	.4	16.8	–	23.2	.1	6.1
304	Footwear	34.5	.1	33.0	–	42.8	–	13.8
305	Leather and articles, luggage of related materials, and dressed furskins and articles	26.0	–	37.0	–	33.2	–	8.8
311	Hydraulic cements	15.2	–	48.4	.7	18.6	.1	21.0
312	Ceramic products	14.9	–	S	S	23.8	–	22.1
313	Glass and glass products	13.5	–	18.2	–	19.0	.2	15.4
319	Other nonmetallic mineral products	9.3	–	13.0	.9	10.9	.3	13.8
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	16.4	–	23.1	–	27.8	.1	32.4
322	Flat-rolled products of iron or steel	12.7	.1	14.8	.2	29.2	.6	12.9
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	13.9	.2	12.6	.1	17.8	.3	12.5
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	10.5	.3	10.7	–	16.1	.3	9.9
331	Pipes, tubes, and fittings	9.4	.1	15.6	.1	20.6	.4	11.7
332	Structures and parts, except prefabricated buildings	12.4	–	14.7	–	15.7	–	7.4
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	14.1	.1	16.4	–	25.6	–	12.1
339	Other articles of metal	10.5	–	12.1	–	13.5	–	17.0
341	Internal-combustion piston engines	S	S	46.4	–	47.8	.1	11.5
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	42.3	–	28.5	–	32.5	–	20.5
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	11.9	.1	14.9	–	15.8	–	9.7
344	Air-conditioning, refrigerating, or freezing equipment	17.3	.2	20.8	–	22.5	–	20.1
345	Materials-handling, excavating, boring, and related machinery and equipment	21.4	.2	23.8	–	27.1	–	14.6
349	Other machinery	6.7	.2	8.8	–	13.2	–	9.1
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	13.5	.1	16.9	–	23.6	–	11.8
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	28.9	.1	30.9	–	31.3	–	12.6
353	Line telephone or telegraph apparatus	32.4	–	45.7	–	41.1	–	11.8
354	Electronic entertainment products, except parts	36.8	.4	26.5	–	25.1	–	8.1
355	Computer and office equipment	28.6	.4	38.5	–	41.5	–	12.6
356	Prepared unrecorded or prerecorded media	19.6	–	26.0	–	29.0	–	9.8
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	46.8	–	45.7	–	S	S	12.5
358	Electronic components and parts	34.0	.3	30.5	–	27.2	–	8.9
359	Other electronic and electrical equipment	7.3	.2	10.3	–	14.8	–	14.6
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	25.4	1.5	28.5	.1	40.9	.4	26.6
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	41.1	.4	33.1	–	47.0	.2	40.8
363	Other vehicles	13.1	.2	9.9	–	12.3	–	15.1
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	14.3	.5	16.1	–	16.5	.2	14.1
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	27.0	–	27.0	–	27.4	–	13.3
372	Aircraft and spacecraft	22.4	–	40.1	–	35.2	–	19.0
373	Ships, boats, and floating structures	23.3	–	30.5	–	26.9	–	19.7
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	S	S	S	S	S	S	13.2
382	Photographic and photocopying machines	S	S	S	S	41.8	–	24.0
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	S	S	40.4	–	37.5	–	19.3
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	23.3	.1	33.3	–	35.6	–	12.9

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	18.1	–	21.2	–	17.2	–	20.3
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.7	.2	13.5	–	12.5	.1	8.7
401	Arms and ammunition	27.4	–	29.1	–	38.8	–	23.7
402	Toys, games, and sporting equipment	13.9	–	38.8	–	25.5	–	7.4
409	Miscellaneous manufactured products	11.7	.5	16.0	.1	10.2	.2	7.3
411	Metallic waste and scrap	16.1	–	15.4	.2	23.5	.2	14.0
412	Nonmetallic waste and scrap, except from food processing	39.1	–	45.3	–	S	S	17.9
439	Mixed freight	17.8	.6	11.1	.1	10.4	.1	15.3
—	Commodity unknown	33.8	.1	S	S	S	S	17.2

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	**2.4**	**–**	**8.5**	**–**	**9.5**	**–**	**7.6**
Single modes	**2.4**	**1.1**	**8.4**	**1.1**	**8.2**	**1.9**	**5.3**
Truck	2.6	1.3	8.1	2.1	5.2	3.0	4.1
For-hire truck	4.2	1.6	11.4	1.8	3.3	2.4	4.5
Private truck	4.8	1.2	8.6	2.0	15.1	1.1	7.5
Rail	7.1	.3	11.8	1.1	12.7	2.3	3.9
Water	17.7	.2	17.4	1.1	21.1	1.8	28.4
Shallow draft	18.7	.2	17.9	1.1	22.4	1.9	30.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	20.6
Air (includes truck and air)	13.1	.1	14.1	–	27.4	–	3.6
Pipeline	36.8	.1	37.7	.2	S	S	S
Multiple modes	**11.0**	**.8**	**23.6**	**.5**	**32.9**	**1.6**	**3.6**
Parcel, U.S. Postal Service or courier	6.6	.4	15.2	–	8.9	–	3.7
Truck and rail	30.4	.7	26.1	.2	15.5	.4	9.6
Truck and water	24.9	–	42.8	.5	42.2	.9	S
Rail and water	S	S	S	S	S	S	21.0
Other multiple modes	S	S	S	S	S	S	25.4
Other and unknown modes	**19.4**	**1.0**	**20.0**	**.8**	**29.5**	**.8**	**S**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**33.0**	**–**	**33.4**	**–**	**37.7**	**–**	**16.5**
Single modes	**33.0**	**–**	**33.4**	**–**	**37.7**	**–**	**16.7**
Truck	33.0	–	33.4	–	37.7	–	16.7
For-hire truck	42.0	7.8	42.5	7.6	42.2	7.6	14.2
Private truck	30.9	7.8	S	S	35.2	7.6	26.8
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.2**
SCTG 02, CEREAL GRAINS							
Total	**33.2**	**–**	**33.1**	**–**	**33.5**	**–**	**S**
Single modes	**33.4**	**1.7**	**33.7**	**1.3**	**33.7**	**1.5**	**S**
Truck	43.6	9.4	46.0	9.8	34.9	13.5	49.3
For-hire truck	S	S	S	S	48.6	7.8	48.0
Private truck	39.6	7.1	44.7	7.3	31.0	8.4	S
Rail	35.2	6.3	35.7	6.6	38.0	7.9	17.8
Water	45.3	8.2	45.0	8.5	46.9	12.1	21.5
Shallow draft	45.3	8.2	45.0	8.5	46.9	12.1	21.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

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	**10.5**	**–**	**31.4**	**–**	**31.2**	**–**	**32.2**
Single modes	**11.3**	**3.4**	**28.3**	**5.2**	**33.4**	**4.9**	**29.6**
Truck	12.6	6.0	38.8	8.7	S	S	27.5
For-hire truck	21.2	6.2	S	S	S	S	17.8
Private truck	17.4	6.1	30.9	6.8	28.7	8.3	23.2
Rail	S	S	S	S	S	S	18.7
Water	S	S	S	S	S	S	30.7
Shallow draft	S	S	S	S	S	S	30.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**43.1**	**.7**	**S**	**S**	**S**	**S**	**16.6**
Parcel, U.S. Postal Service or courier	S	S	49.5	–	S	S	16.9
Truck and rail	S	S	S	S	S	S	27.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**31.8**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**20.5**	**–**	**15.8**	**–**	**24.5**	**–**	**S**
Single modes	**20.2**	**2.3**	**16.6**	**2.2**	**26.1**	**3.8**	**36.1**
Truck	22.1	3.6	17.7	3.8	23.2	7.1	35.9
For-hire truck	34.5	4.0	39.6	3.9	32.6	5.4	16.6
Private truck	26.2	4.5	15.5	4.8	24.3	6.6	26.8
Rail	41.2	2.4	33.5	2.3	34.4	4.3	15.5
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**33.8**	**1.9**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**9.7**	**–**	**10.0**	**–**	**13.8**	**–**	**13.2**
Single modes	**10.0**	**1.1**	**10.4**	**1.1**	**14.0**	**1.1**	**13.3**
Truck	10.0	1.1	10.4	1.1	13.4	1.1	13.4
For-hire truck	14.9	3.8	15.2	4.5	16.2	3.4	8.3
Private truck	10.6	3.8	11.3	4.2	12.1	3.4	7.9
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.0
Pipeline	S	S	S	S	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	22.3
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	**48.4**	**1.1**	**44.8**	**1.1**	**S**	**S**	**46.0**

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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**13.1**	**–**	**11.8**	**–**	**12.1**	**–**	**30.5**
Single modes	**13.2**	**.6**	**11.9**	**.6**	**12.1**	**1.2**	**26.4**
Truck	13.8	2.0	13.3	3.2	15.8	5.8	25.3
For-hire truck	14.5	5.7	15.4	5.0	15.0	5.5	7.8
Private truck	21.0	5.9	16.8	5.6	27.8	5.6	21.9
Rail	28.8	1.6	28.5	2.8	29.6	5.3	16.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**47.6**	**.4**	**44.0**	**.5**	**44.7**	**1.2**	**27.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	27.0
Truck and rail	S	S	45.0	.5	45.0	1.2	19.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**6.3**	**–**	**7.1**	**–**	**15.0**	**–**	**23.3**
Single modes	**6.5**	**.7**	**7.0**	**.7**	**15.1**	**1.1**	**19.6**
Truck	6.8	1.6	8.4	3.4	12.4	5.4	17.9
For-hire truck	14.6	3.5	19.4	3.8	20.6	4.3	8.2
Private truck	10.4	3.7	11.6	4.5	14.5	3.4	12.3
Rail	18.0	.9	16.1	1.9	27.2	4.0	14.3
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**30.0**	**.6**	**S**	**S**	**31.0**	**1.0**	**15.2**
Parcel, U.S. Postal Service or courier	28.0	–	36.2	–	32.7	–	11.8
Truck and rail	34.2	.6	S	S	31.2	1.0	21.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**34.5**	**.2**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**11.5**	**–**	**11.7**	**–**	**28.6**	**–**	**12.6**
Single modes	**11.2**	**1.2**	**12.1**	**3.0**	**33.0**	**5.7**	**10.4**
Truck	11.0	1.4	12.1	3.0	35.1	5.1	10.5
For-hire truck	28.6	5.8	33.1	4.9	38.1	8.2	19.2
Private truck	7.5	6.6	10.6	6.1	11.8	8.0	6.0
Rail	47.3	1.2	47.1	.7	49.3	3.8	20.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	39.0	–	40.4	–	21.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**48.8**	**1.2**	**S**	**S**	**S**	**S**	**17.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.3
Truck and rail	49.9	1.2	S	S	S	S	18.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**49.0**

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	**26.3**	**–**	**14.9**	**–**	**28.7**	**–**	**18.1**
Single modes	**26.5**	**.8**	**15.1**	**.5**	**29.2**	**1.1**	**16.8**
Truck	26.5	.8	15.1	.5	29.3	1.1	16.8
For-hire truck	35.9	9.5	26.9	6.4	35.7	7.8	10.5
Private truck	10.8	9.1	17.7	6.4	28.2	7.5	27.6
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**43.5**	**.7**	**40.3**	**.5**	**S**	**S**	**13.8**
Parcel, U.S. Postal Service or courier	43.5	.7	40.3	.5	S	S	13.8
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.9**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**S**	**S**	**S**	**S**	**44.3**	**–**	**23.2**
Single modes	**S**	**S**	**S**	**S**	**42.1**	**1.1**	**23.2**
Truck	S	S	S	S	47.8	4.4	23.4
For-hire truck	S	S	38.1	8.2	S	S	20.1
Private truck	S	S	S	S	S	S	S
Rail	S	S	S	S	S	S	21.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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**	**22.3**
SCTG 11, NATURAL SANDS							
Total	**18.0**	**–**	**42.3**	**–**	**38.3**	**–**	**19.3**
Single modes	**18.4**	**1.1**	**43.5**	**3.3**	**37.3**	**2.6**	**35.9**
Truck	21.2	5.9	S	S	S	S	36.3
For-hire truck	26.5	8.0	S	S	S	S	S
Private truck	37.6	9.0	40.7	8.7	44.3	10.5	11.4
Rail	S	S	S	S	S	S	36.2
Water	S	S	S	S	S	S	29.2
Shallow draft	S	S	S	S	S	S	29.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**40.8**	**1.1**	**S**	**S**	**S**	**S**	**32.1**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 12, GRAVEL AND CRUSHED STONE							
Total	**19.3**	**–**	**15.2**	**–**	**16.9**	**–**	**10.8**
Single modes	**19.4**	**.6**	**15.5**	**1.1**	**17.2**	**1.0**	**10.5**
Truck	21.6	4.2	17.7	4.2	17.3	8.4	11.1
For-hire truck	27.0	3.8	26.8	4.0	28.1	4.0	31.9
Private truck	23.4	3.7	14.4	3.3	19.7	6.8	13.3
Rail	32.6	1.2	31.2	.9	30.7	3.1	21.0
Water	37.3	3.4	40.4	3.6	47.2	7.4	24.4
Shallow draft	37.3	3.4	40.4	3.6	47.2	7.4	24.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**44.7**	**.1**	**46.7**	**.2**	**S**	**S**	**22.2**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	21.2
Rail and water	S	S	S	S	S	S	22.6
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**S**	**S**	**29.2**	**–**	**17.6**	**–**	**13.5**
Single modes	**S**	**S**	**29.4**	**1.1**	**18.1**	**1.5**	**13.9**
Truck	S	S	39.3	5.2	15.0	5.0	15.7
For-hire truck	18.9	7.4	30.1	5.3	17.4	3.8	18.0
Private truck	S	S	S	S	28.4	2.7	19.5
Rail	27.1	5.5	25.8	4.9	23.8	5.4	11.3
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**39.0**	**.8**	**46.5**	**1.2**	**20.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.6
Truck and rail	44.5	.3	49.8	.7	S	S	19.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	.1	22.9
Other and unknown modes	**S**	**S**	**49.5**	**.6**	**49.9**	**.6**	**32.2**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**20.0**	**–**	**38.2**	**–**	**41.6**	**–**	**41.0**
Single modes	**22.6**	**5.3**	**40.0**	**3.4**	**S**	**S**	**44.3**
Truck	23.7	7.1	43.4	7.4	S	S	45.4
For-hire truck	29.4	9.3	45.9	11.0	S	S	47.8
Private truck	30.3	7.7	35.3	7.5	33.0	8.2	29.7
Rail	S	S	44.9	6.2	48.2	7.5	21.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**47.7**	**3.6**	**S**	**S**	**S**	**S**	**19.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.8**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	**15.4**	**–**	**17.2**	**–**	**20.5**	**–**	**34.7**
Single modes	**16.9**	**3.3**	**19.4**	**4.0**	**20.8**	**4.2**	**S**
Truck	32.9	5.0	36.7	5.0	34.9	1.7	28.5
For-hire truck	31.8	4.6	32.9	4.6	30.0	1.7	26.0
Private truck	S	S	S	S	S	S	S
Rail	15.3	5.2	17.2	5.6	22.3	5.4	6.8
Water	38.7	2.7	42.3	2.5	S	S	18.3
Shallow draft	38.7	2.7	42.3	2.5	S	S	18.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**34.2**	**2.2**	**33.8**	**2.2**	**40.0**	**3.6**	**18.6**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	S
Truck and water	47.1	1.7	47.3	1.7	46.6	3.2	18.8
Rail and water	S	S	S	S	S	S	21.2
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**24.1**	**1.9**	**25.4**	**2.7**	**30.1**	**1.7**	**23.7**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**8.5**	**–**	**10.2**	**–**	**23.7**	**–**	**6.2**
Single modes	**8.5**	**.1**	**10.2**	**.2**	**23.8**	**.5**	**6.2**
Truck	8.4	5.3	8.8	6.3	11.8	12.2	6.3
For-hire truck	22.5	2.3	20.6	2.2	25.3	3.4	13.7
Private truck	7.8	5.0	8.1	5.6	9.4	10.5	7.6
Rail	S	S	S	S	S	S	22.4
Water	31.5	3.7	31.2	4.7	35.7	10.8	25.8
Shallow draft	37.5	3.2	38.2	4.3	39.2	7.6	30.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.3
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	48.0	2.9	48.3	3.3	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**	**25.1**
SCTG 18, FUEL OILS							
Total	**12.4**	**–**	**12.7**	**–**	**S**	**S**	**7.5**
Single modes	**12.1**	**2.9**	**11.9**	**3.4**	**27.7**	**15.8**	**7.5**
Truck	12.1	5.8	11.5	6.7	16.1	15.9	7.4
For-hire truck	24.6	4.1	21.1	4.1	26.2	6.8	20.5
Private truck	15.0	5.6	14.9	6.2	18.5	11.6	7.7
Rail	S	S	S	S	S	S	22.2
Water	36.7	5.0	35.9	5.7	40.2	8.5	31.3
Shallow draft	S	S	S	S	S	S	34.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	48.2	2.6	48.4	3.5	S	S	21.5
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**45.0**	**–**	**49.2**	**.1**	**S**	**S**	**19.5**

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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**12.7**	**–**	**14.4**	**–**	**11.5**	**–**	**12.2**
Single modes	**13.0**	**1.7**	**13.7**	**4.4**	**11.4**	**.3**	**12.2**
Truck	16.9	5.2	17.0	5.6	17.5	6.5	13.3
For-hire truck	24.3	5.0	19.9	4.6	20.0	5.7	13.8
Private truck	21.4	5.0	23.5	4.3	24.7	2.2	12.3
Rail	20.8	2.4	15.3	2.5	19.7	5.9	9.1
Water	41.3	4.8	S	S	43.9	6.2	21.7
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	47.2	4.6	48.4	4.1	46.9	5.8	20.6
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**33.8**	**.2**	**37.4**	**–**	**45.0**	**.3**	**S**
Parcel, U.S. Postal Service or courier	45.9	.1	S	S	S	S	19.0
Truck and rail	46.7	–	47.4	–	47.0	.3	19.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**11.5**	**–**	**21.6**	**–**	**22.8**	**–**	**18.6**
Single modes	**11.3**	**2.7**	**22.0**	**1.0**	**24.0**	**1.7**	**21.8**
Truck	10.4	2.9	12.3	4.4	10.9	4.6	24.5
For-hire truck	12.1	2.4	14.6	2.4	12.0	3.4	4.3
Private truck	10.2	1.6	19.2	3.4	20.4	2.0	42.6
Rail	16.8	1.7	24.5	2.8	25.4	3.3	5.3
Water	S	S	S	S	S	S	20.3
Shallow draft	S	S	S	S	S	S	20.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	21.1
Pipeline	36.6	.7	47.4	1.5	S	S	S
Multiple modes	**35.3**	**2.6**	**26.7**	**.3**	**32.9**	**1.0**	**21.3**
Parcel, U.S. Postal Service or courier	46.1	2.4	S	S	S	S	20.4
Truck and rail	39.7	.9	28.2	.2	33.3	1.0	17.6
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**12.1**	**–**	**35.7**	**–**	**31.5**	**–**	**11.6**
Single modes	**16.5**	**6.5**	**38.5**	**5.6**	**25.1**	**5.9**	**12.6**
Truck	16.9	6.8	38.7	5.8	24.7	6.2	10.6
For-hire truck	34.3	5.9	30.8	7.6	34.4	8.1	34.0
Private truck	21.2	6.9	S	S	35.0	7.2	11.1
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	19.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.8**	**5.8**	**22.7**	**5.5**	**19.9**	**6.7**	**10.0**
Parcel, U.S. Postal Service or courier	25.8	5.8	23.1	5.5	20.4	6.8	10.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42.7**	**2.3**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	**19.7**	**–**	**22.3**	**–**	**47.7**	**–**	**18.7**
Single modes	**21.5**	**4.8**	**25.0**	**5.0**	**35.7**	**13.2**	**17.4**
Truck	21.5	6.0	25.6	6.7	40.5	12.6	17.7
For-hire truck	37.0	4.8	S	S	S	S	15.3
Private truck	22.6	7.1	22.7	7.7	32.2	11.9	24.3
Rail	34.7	1.6	32.2	2.4	38.3	4.8	16.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.3
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**12.3**	**–**	**15.9**	**–**	**22.8**	**–**	**12.6**
Single modes	**11.9**	**1.7**	**16.2**	**1.4**	**23.6**	**2.0**	**13.5**
Truck	9.5	3.8	14.4	2.8	21.0	3.3	13.2
For-hire truck	12.7	4.3	18.9	4.3	22.6	3.9	5.7
Private truck	11.3	4.7	14.3	5.2	21.0	3.6	14.9
Rail	S	S	S	S	S	S	19.7
Water	S	S	S	S	S	S	20.5
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	48.4	–	S	S	21.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**29.0**	**1.4**	**32.3**	**.4**	**42.8**	**1.1**	**13.3**
Parcel, U.S. Postal Service or courier	26.1	.9	29.6	.3	30.0	.4	13.5
Truck and rail	48.7	.9	S	S	44.2	1.0	20.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**42.0**	**1.1**	**36.6**	**1.4**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**6.0**	**–**	**9.4**	**–**	**12.8**	**–**	**6.5**
Single modes	**5.5**	**2.1**	**9.8**	**.7**	**13.4**	**1.1**	**7.9**
Truck	5.0	2.3	8.6	2.2	9.4	3.0	7.9
For-hire truck	6.8	2.4	10.0	2.3	9.6	2.8	3.1
Private truck	7.8	2.0	10.7	1.9	14.3	.9	12.3
Rail	25.3	1.1	34.8	2.1	40.0	2.7	9.3
Water	S	S	S	S	S	S	31.1
Shallow draft	S	S	S	S	S	S	31.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	30.8	–	S	S	36.6	–	14.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**48.3**	**2.2**	**33.9**	**.7**	**28.8**	**.7**	**5.9**
Parcel, U.S. Postal Service or courier	13.2	.3	9.1	–	10.6	–	5.9
Truck and rail	S	S	44.0	.6	35.7	.6	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**25.7**	**.5**	**26.2**	**.5**	**45.5**	**1.1**	**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 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**10.5**	**–**	**20.3**	**–**	**40.1**	**–**	**23.8**
Single modes	**12.1**	**4.3**	**20.6**	**1.3**	**40.3**	**4.0**	**8.6**
Truck	13.0	4.8	22.5	4.2	16.4	9.0	7.9
For-hire truck	17.5	5.7	22.8	7.6	16.5	7.1	S
Private truck	21.9	6.2	31.3	7.8	25.4	7.0	15.2
Rail	45.8	2.8	S	S	S	S	41.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.1**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	23.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**40.0**	**2.0**	**47.7**	**.7**	**35.6**	**1.1**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**4.4**	**–**	**9.4**	**–**	**13.4**	**–**	**11.9**
Single modes	**4.2**	**.6**	**9.5**	**.5**	**13.2**	**.9**	**11.7**
Truck	4.7	1.7	8.5	4.0	5.6	3.5	11.9
For-hire truck	6.5	2.3	10.7	4.1	7.5	3.3	7.8
Private truck	8.2	2.5	16.0	4.6	12.1	2.3	13.7
Rail	8.9	.9	27.6	2.1	8.1	2.2	10.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**19.1**	**.2**	**28.1**	**–**	**45.1**	**.4**	**7.4**
Parcel, U.S. Postal Service or courier	26.1	–	33.3	–	26.3	–	8.5
Truck and rail	24.4	.1	29.0	–	46.3	.4	20.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**30.3**	**.6**	**28.9**	**.5**	**37.9**	**.8**	**26.7**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**8.8**	**–**	**9.7**	**–**	**11.2**	**–**	**11.3**
Single modes	**8.7**	**1.0**	**9.6**	**1.3**	**11.4**	**1.3**	**11.4**
Truck	9.4	3.1	11.3	3.8	12.9	4.0	11.4
For-hire truck	11.8	2.7	12.9	3.0	12.9	3.2	6.8
Private truck	16.0	3.8	18.0	4.1	29.4	1.2	8.8
Rail	11.9	2.9	12.8	3.8	14.7	4.2	7.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	32.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**24.8**	**.5**	**39.4**	**.9**	**34.5**	**1.1**	**18.7**
Parcel, U.S. Postal Service or courier	23.2	–	20.1	–	35.3	–	23.7
Truck and rail	30.7	.5	44.4	.9	37.3	1.1	22.0
Truck and water	S	S	S	S	S	S	22.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**43.0**	**.6**	**49.5**	**.7**	**42.1**	**.4**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**8.3**	**–**	**11.2**	**–**	**13.4**	**–**	**13.1**
Single modes	**9.0**	**1.4**	**11.5**	**.9**	**14.0**	**1.3**	**14.3**
Truck	9.0	1.6	11.5	1.0	14.2	1.3	12.4
For-hire truck	10.9	3.6	15.5	4.5	9.3	3.5	13.0
Private truck	13.5	3.5	16.3	4.7	43.5	3.3	15.1
Rail	49.6	.4	S	S	S	S	27.0
Water	S	S	S	S	S	S	23.1
Shallow draft	S	S	S	S	S	S	23.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	46.8	–	44.8	–	20.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**24.9**	**1.1**	**32.3**	**.2**	**46.7**	**1.0**	**10.6**
Parcel, U.S. Postal Service or courier	24.2	1.1	23.7	.1	32.1	.4	10.7
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.2**	**1.0**	**40.2**	**1.0**	**37.8**	**.9**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**11.9**	**–**	**9.1**	**–**	**9.9**	**–**	**23.6**
Single modes	**13.0**	**3.2**	**7.5**	**3.6**	**10.3**	**2.5**	**16.4**
Truck	13.0	3.2	7.6	3.6	10.5	2.5	21.7
For-hire truck	17.7	3.7	9.4	4.1	10.9	2.9	6.9
Private truck	12.1	3.6	14.5	3.2	19.6	1.3	S
Rail	35.5	–	37.4	–	37.4	.6	19.2
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.3	.2	25.9	–	26.3	.1	11.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.4**	**3.1**	**23.9**	**1.5**	**21.2**	**2.6**	**7.7**
Parcel, U.S. Postal Service or courier	21.3	3.2	30.2	1.6	20.1	2.2	7.7
Truck and rail	37.0	.4	40.3	.6	40.9	2.3	17.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**30.3**	**1.4**	**43.5**	**2.6**	**28.0**	**.8**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**12.0**	**–**	**8.1**	**–**	**14.7**	**–**	**3.7**
Single modes	**12.4**	**.9**	**8.2**	**.6**	**15.3**	**1.5**	**6.3**
Truck	12.4	.9	8.2	.6	15.4	1.5	6.4
For-hire truck	18.3	3.6	11.7	3.2	17.5	2.2	3.8
Private truck	10.9	3.4	13.0	3.2	6.9	1.7	13.4
Rail	S	S	S	S	S	S	21.8
Water	S	S	S	S	S	S	23.0
Shallow draft	S	S	S	S	S	S	23.0
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	37.5	.1	39.3	–	38.1	–	19.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**12.5**	**.4**	**16.7**	**.5**	**21.9**	**1.5**	**4.1**
Parcel, U.S. Postal Service or courier	13.9	.4	24.7	.3	26.5	.3	4.1
Truck and rail	24.4	.2	29.0	.5	39.0	1.5	16.6
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**39.2**	**.8**	**25.9**	**.4**	**30.1**	**.3**	**31.5**

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 31, NONMETALLIC MINERAL PRODUCTS							
Total	**6.0**	**–**	**14.9**	**–**	**5.2**	**–**	**13.7**
Single modes	**6.0**	**1.6**	**15.3**	**.7**	**5.7**	**1.9**	**14.5**
Truck	6.3	1.7	16.4	1.8	6.1	2.6	14.7
For-hire truck	11.1	3.0	30.8	3.9	8.2	2.7	8.3
Private truck	6.8	3.2	20.8	4.4	10.8	2.3	10.5
Rail	15.2	.4	16.7	.9	13.8	1.9	13.4
Water	40.2	.6	40.3	1.5	48.5	2.6	S
Shallow draft	40.2	.6	40.3	1.5	48.5	2.6	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	45.6	–	44.0	–	39.8	–	21.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**37.0**	**.8**	**36.5**	**.2**	**35.5**	**1.0**	**14.6**
Parcel, U.S. Postal Service or courier	38.6	.4	42.8	–	28.0	–	14.6
Truck and rail	S	S	46.9	.2	45.7	.9	18.5
Truck and water	46.2	–	S	S	S	S	23.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**31.0**	**.7**	**42.0**	**1.7**	**35.2**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**5.0**	**–**	**8.6**	**–**	**11.6**	**–**	**8.2**
Single modes	**4.9**	**.6**	**8.6**	**1.2**	**12.1**	**1.7**	**7.1**
Truck	4.6	1.7	7.4	2.8	9.7	4.8	6.7
For-hire truck	5.8	1.8	7.9	1.8	10.3	4.4	5.5
Private truck	7.2	1.7	9.7	1.9	12.7	1.1	11.7
Rail	15.3	1.6	18.5	2.1	30.3	4.4	10.3
Water	48.9	.2	S	S	S	S	35.2
Shallow draft	48.9	.2	S	S	S	S	35.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	16.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**24.9**	**.4**	**34.5**	**.1**	**32.7**	**.2**	**14.9**
Parcel, U.S. Postal Service or courier	29.7	.4	45.1	–	30.0	–	15.4
Truck and rail	45.6	.1	45.7	–	42.6	.2	19.1
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	22.9
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.7**	**.4**	**36.3**	**1.2**	**47.0**	**1.7**	**30.6**
SCTG 33, ARTICLES OF BASE METAL							
Total	**5.4**	**–**	**9.8**	**–**	**14.2**	**–**	**8.7**
Single modes	**5.7**	**1.3**	**10.3**	**1.2**	**15.3**	**2.5**	**6.0**
Truck	6.4	2.2	6.9	4.5	8.2	7.2	6.1
For-hire truck	8.1	2.4	10.6	3.9	10.4	6.1	2.6
Private truck	9.0	2.4	10.6	3.1	14.0	2.2	6.3
Rail	39.3	2.3	41.8	4.3	39.2	6.7	16.6
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	31.2	.1	S	S	S	S	9.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.3**	**1.1**	**47.8**	**1.0**	**S**	**S**	**7.3**
Parcel, U.S. Postal Service or courier	15.4	1.1	17.2	.2	18.8	.3	7.3
Truck and rail	42.8	.2	40.1	.1	39.4	.2	19.8
Truck and water	S	S	S	S	S	S	21.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.4**	**.5**	**28.4**	**.7**	**25.4**	**.5**	**38.3**

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 34, MACHINERY							
Total	**12.1**	**–**	**9.1**	**–**	**8.2**	**–**	**6.1**
Single modes	**13.6**	**1.6**	**9.2**	**.9**	**8.2**	**1.9**	**9.2**
Truck	14.3	2.5	9.8	2.4	9.1	3.3	10.0
For-hire truck	18.1	2.8	11.8	2.7	10.2	3.6	7.9
Private truck	9.0	1.5	8.7	1.5	17.0	1.4	14.4
Rail	S	S	S	S	S	S	28.7
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	21.2
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	22.6	.4	27.7	–	24.6	.1	6.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**13.7**	**1.2**	**23.1**	**.6**	**36.0**	**1.7**	**6.2**
Parcel, U.S. Postal Service or courier	12.9	1.1	11.3	.2	14.8	.2	6.2
Truck and rail	43.1	.2	49.7	.5	S	S	18.1
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.8**	**.8**	**18.6**	**.6**	**22.3**	**.4**	**16.7**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**6.6**	**–**	**6.7**	**–**	**8.7**	**–**	**10.1**
Single modes	**8.0**	**2.5**	**6.6**	**.7**	**9.0**	**.9**	**11.7**
Truck	8.0	2.4	6.8	.7	9.4	1.2	11.9
For-hire truck	10.2	3.4	9.5	4.1	11.3	3.7	4.5
Private truck	13.3	1.8	16.7	3.3	12.5	1.7	12.6
Rail	S	S	34.6	.4	30.8	1.1	15.7
Water	S	S	S	S	S	S	20.5
Shallow draft	S	S	S	S	S	S	20.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	22.9	1.1	19.4	–	25.0	.1	4.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**11.0**	**1.8**	**11.2**	**.3**	**15.3**	**.7**	**6.4**
Parcel, U.S. Postal Service or courier	11.6	1.8	14.1	.3	20.0	.5	6.4
Truck and rail	31.7	.1	33.5	.2	33.7	.6	13.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.8**	**1.4**	**38.6**	**.7**	**41.6**	**.8**	**39.0**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**13.4**	**–**	**11.2**	**–**	**14.1**	**–**	**13.4**
Single modes	**11.1**	**5.6**	**10.4**	**4.5**	**10.9**	**4.8**	**17.7**
Truck	11.3	5.8	10.6	4.6	11.1	4.9	17.7
For-hire truck	13.8	4.3	13.2	3.7	13.1	4.2	19.6
Private truck	10.6	2.9	12.2	3.3	17.8	3.1	19.2
Rail	S	S	47.3	.3	37.4	.3	S
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	31.0	.1	22.9	–	28.4	.1	7.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**37.0**	**3.2**	**42.2**	**2.7**	**44.7**	**4.7**	**11.6**
Parcel, U.S. Postal Service or courier	19.7	.7	23.8	.2	18.1	.2	11.0
Truck and rail	41.5	3.4	44.9	2.7	45.9	4.8	20.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**36.2**	**5.4**	**34.3**	**4.4**	**40.9**	**2.5**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**14.5**	**–**	**16.6**	**–**	**16.8**	**–**	**9.9**
Single modes	**14.8**	**3.3**	**17.8**	**2.2**	**18.9**	**4.5**	**13.8**
Truck	17.5	3.9	16.6	4.4	17.1	6.5	18.6
For-hire truck	24.9	6.3	22.8	6.7	22.3	6.5	12.7
Private truck	24.3	5.2	21.8	7.0	33.3	6.4	S
Rail	S	S	49.8	5.0	47.3	6.6	18.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	27.5	3.0	S	S	S	S	10.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**43.7**	**3.3**	**37.4**	**1.0**	**43.1**	**2.4**	**20.6**
Parcel, U.S. Postal Service or courier	44.4	3.3	S	S	S	S	12.5
Truck and rail	S	S	49.3	.6	S	S	20.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.2**	**1.9**	**33.5**	**2.2**	**48.5**	**4.2**	**20.7**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**16.5**	**–**	**19.5**	**–**	**23.6**	**–**	**7.4**
Single modes	**18.0**	**5.7**	**27.0**	**7.7**	**27.1**	**8.5**	**11.9**
Truck	17.8	4.8	27.6	7.5	28.4	8.0	17.4
For-hire truck	13.8	4.6	31.0	7.0	30.0	7.7	9.1
Private truck	34.1	2.1	37.6	3.7	S	S	23.8
Rail	–	–	–	–	–	–	–
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)	29.9	4.7	28.7	.8	30.4	1.8	7.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**24.1**	**6.0**	**26.5**	**4.2**	**30.7**	**3.7**	**7.5**
Parcel, U.S. Postal Service or courier	24.3	6.0	26.8	4.2	31.7	3.8	7.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.3**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**8.7**	**–**	**13.5**	**–**	**12.5**	**–**	**8.7**
Single modes	**9.0**	**.7**	**13.9**	**.6**	**13.3**	**1.7**	**8.1**
Truck	9.0	.8	13.9	.7	13.4	1.8	8.5
For-hire truck	10.1	3.7	13.8	4.9	12.8	5.1	2.9
Private truck	16.6	4.1	26.1	5.2	31.4	5.4	17.2
Rail	41.3	.2	34.7	.1	40.1	.3	18.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.6	–	35.7	–	38.3	–	16.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**19.0**	**.3**	**25.8**	**.4**	**42.3**	**1.1**	**6.6**
Parcel, U.S. Postal Service or courier	22.7	.2	15.7	–	14.8	–	6.5
Truck and rail	48.2	.3	48.4	.3	S	S	19.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**36.8**	**.7**	**29.6**	**.5**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**11.1**	**–**	**15.5**	**–**	**9.7**	**–**	**7.0**
Single modes	**12.5**	**1.5**	**16.1**	**.9**	**10.1**	**1.5**	**12.6**
Truck	12.7	1.6	15.7	.8	9.9	1.4	10.6
For-hire truck	6.4	2.9	14.9	3.3	14.5	4.4	3.8
Private truck	29.2	3.3	30.2	3.3	17.4	3.1	15.9
Rail	S	S	42.0	.2	36.5	.5	17.1
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	35.4	.2	25.8	–	26.1	–	7.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**9.4**	**1.2**	**25.8**	**.8**	**33.4**	**1.4**	**4.6**
Parcel, U.S. Postal Service or courier	9.8	1.1	29.3	.8	42.0	1.2	4.6
Truck and rail	S	S	40.7	.1	S	S	17.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.0**	**.5**	**21.9**	**.3**	**32.6**	**.5**	**29.6**
SCTG 41, WASTE AND SCRAP							
Total	**15.4**	**–**	**16.5**	**–**	**22.8**	**–**	**12.9**
Single modes	**15.7**	**1.6**	**16.7**	**1.3**	**23.6**	**1.7**	**10.5**
Truck	14.2	4.4	18.6	4.3	22.2	6.1	11.9
For-hire truck	18.4	3.9	23.5	3.7	26.3	4.7	7.8
Private truck	19.2	4.4	23.9	4.2	36.5	3.6	14.8
Rail	38.2	4.2	26.5	4.5	36.1	6.4	15.8
Water	32.0	2.0	37.0	2.7	44.5	4.6	17.3
Shallow draft	32.0	2.0	37.0	2.7	44.5	4.6	17.3
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	S	S	S	S	S	S	22.2
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.0**	**1.2**	**43.3**	**1.2**	**S**	**S**	**S**
SCTG 43, MIXED FREIGHT							
Total	**17.8**	**–**	**11.1**	**–**	**10.4**	**–**	**15.3**
Single modes	**16.6**	**1.3**	**11.4**	**1.8**	**10.0**	**2.9**	**14.1**
Truck	16.6	1.3	11.4	1.8	10.0	2.9	14.0
For-hire truck	25.2	6.9	27.4	6.5	21.7	7.7	18.7
Private truck	24.2	6.9	13.1	6.3	14.7	7.5	11.8
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**41.9**	**.1**	**S**	**S**	**S**	**S**	**18.5**
Parcel, U.S. Postal Service or courier	35.8	.1	35.1	–	40.8	.1	17.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

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	**33.8**	**–**	**S**	**S**	**S**	**S**	**17.2**
Single modes	**37.1**	**5.2**	**S**	**S**	**S**	**S**	**15.3**
Truck	37.3	5.5	S	S	S	S	16.1
For-hire truck	46.2	5.5	S	S	31.5	10.4	17.7
Private truck	S	S	S	S	S	S	16.3
Rail	S	S	S	S	S	S	21.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	48.5	.4	41.0	–	44.2	–	17.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**43.5**
Parcel, U.S. Postal Service or courier	39.4	2.7	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	23.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**39.2**	**5.3**	**24.9**	**4.2**	**36.6**	**5.7**	**28.2**

– 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–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	**2.4**	**8.5**	**9.5**
Less than 50 miles	3.6	10.4	11.6
50 to 99 miles	4.9	12.3	16.9
100 to 249 miles	5.1	8.2	10.2
250 to 499 miles	5.7	16.0	17.6
500 to 749 miles	3.4	11.0	14.7
750 to 999 miles	4.7	8.5	9.3
1,000 to 1,499 miles	7.8	5.8	7.1
1,500 to 1,999 miles	9.2	7.1	8.2
2,000 miles or more	11.7	33.8	34.3
SCTG 01, Live animals and live fish	**33.0**	**33.4**	**37.7**
Less than 50 miles	37.3	S	S
50 to 99 miles	S	S	S
100 to 249 miles	37.7	40.0	39.9
250 to 499 miles	47.5	49.4	S
500 to 749 miles	S	S	S
750 to 999 miles	45.4	44.4	43.5
1,000 to 1,499 miles	48.2	48.5	48.1
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**33.2**	**33.1**	**33.5**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	45.2	48.8	49.3
250 to 499 miles	33.6	34.7	35.6
500 to 749 miles	46.3	48.9	48.3
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**10.5**	**31.4**	**31.2**
Less than 50 miles	19.6	S	S
50 to 99 miles	17.8	21.6	20.0
100 to 249 miles	24.7	24.2	24.9
250 to 499 miles	30.5	48.4	S
500 to 749 miles	31.7	48.4	47.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	47.2	48.3	48.4
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.5**	**15.8**	**24.5**
Less than 50 miles	29.9	14.6	16.9
50 to 99 miles	39.0	40.1	36.7
100 to 249 miles	22.7	23.0	22.6
250 to 499 miles	23.4	24.5	24.3
500 to 749 miles	29.0	S	S
750 to 999 miles	32.4	32.0	31.5
1,000 to 1,499 miles	S	49.9	49.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**9.7**	**10.0**	**13.8**
Less than 50 miles	12.5	11.6	15.6
50 to 99 miles	19.6	23.9	24.8
100 to 249 miles	20.7	18.0	20.2
250 to 499 miles	13.4	13.7	13.6
500 to 749 miles	17.3	15.4	15.2
750 to 999 miles	19.1	20.6	20.5
1,000 to 1,499 miles	28.7	28.2	28.3
1,500 to 1,999 miles	21.1	23.1	23.8
2,000 miles or more	39.4	43.1	46.2
SCTG 06, Milled grain products and preparations, and bakery products	**13.1**	**11.8**	**12.1**
Less than 50 miles	24.0	19.1	19.1
50 to 99 miles	16.9	21.5	20.6
100 to 249 miles	15.5	15.4	15.5
250 to 499 miles	18.7	17.7	17.8
500 to 749 miles	22.0	18.4	18.2
750 to 999 miles	17.2	22.0	24.2
1,000 to 1,499 miles	28.8	27.4	27.3
1,500 to 1,999 miles	26.5	23.8	23.5
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**6.3**	**7.1**	**15.0**
Less than 50 miles	11.1	11.6	11.8
50 to 99 miles	11.2	12.8	13.9
100 to 249 miles	10.9	16.6	17.7
250 to 499 miles	10.7	16.4	17.2
500 to 749 miles	14.4	22.1	25.2
750 to 999 miles	23.5	28.0	27.9
1,000 to 1,499 miles	25.9	36.3	34.1
1,500 to 1,999 miles	24.9	47.9	S
2,000 miles or more	35.0	39.0	39.3

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**11.5**	**11.7**	**28.6**
Less than 50 miles	7.7	11.0	12.1
50 to 99 miles	16.3	16.8	18.6
100 to 249 miles	21.4	22.3	24.6
250 to 499 miles	32.0	35.9	35.7
500 to 749 miles	26.3	24.5	24.5
750 to 999 miles	36.1	48.6	48.1
1,000 to 1,499 miles	41.4	35.8	37.3
1,500 to 1,999 miles	31.0	39.0	38.8
2,000 miles or more	46.5	49.7	S
SCTG 09, Tobacco products	**26.3**	**14.9**	**28.7**
Less than 50 miles	20.7	21.1	40.7
50 to 99 miles	18.3	16.5	17.5
100 to 249 miles	22.9	29.5	29.7
250 to 499 miles	32.4	22.8	24.1
500 to 749 miles	32.5	25.7	25.8
750 to 999 miles	S	45.8	46.1
1,000 to 1,499 miles	S	48.1	48.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**44.3**
Less than 50 miles	S	S	S
50 to 99 miles	S	41.0	42.0
100 to 249 miles	43.4	43.4	45.1
250 to 499 miles	S	44.7	44.5
500 to 749 miles	S	42.8	44.2
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**18.0**	**42.3**	**38.3**
Less than 50 miles	30.7	36.6	34.8
50 to 99 miles	S	S	S
100 to 249 miles	37.9	S	S
250 to 499 miles	38.7	43.5	42.9
500 to 749 miles	S	45.1	45.1
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 12, Gravel and crushed stone	**19.3**	**15.2**	**16.9**
Less than 50 miles	19.1	18.8	21.7
50 to 99 miles	26.8	28.4	26.9
100 to 249 miles	20.8	23.3	24.0
250 to 499 miles	33.1	34.0	37.6
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	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**29.2**	**17.6**
Less than 50 miles	27.8	S	49.7
50 to 99 miles	S	36.1	36.6
100 to 249 miles	S	26.7	27.8
250 to 499 miles	19.6	25.5	27.1
500 to 749 miles	23.0	31.1	33.6
750 to 999 miles	22.0	24.3	24.8
1,000 to 1,499 miles	S	30.5	29.6
1,500 to 1,999 miles	42.0	40.1	38.5
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**20.0**	**38.2**	**41.6**
Less than 50 miles	31.9	37.5	S
50 to 99 miles	39.7	S	S
100 to 249 miles	32.3	S	47.3
250 to 499 miles	41.2	41.0	46.3
500 to 749 miles	36.6	40.2	39.2
750 to 999 miles	49.8	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	**15.4**	**17.2**	**20.5**
Less than 50 miles	21.5	22.8	23.4
50 to 99 miles	30.8	33.9	45.7
100 to 249 miles	15.7	16.7	17.9
250 to 499 miles	25.2	25.9	26.8
500 to 749 miles	29.8	34.3	40.3
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

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	**8.5**	**10.2**	**23.7**
Less than 50 miles	8.6	9.1	11.4
50 to 99 miles	18.0	22.6	26.0
100 to 249 miles	30.3	31.8	36.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**12.4**	**12.7**	**S**
Less than 50 miles	12.6	11.1	14.7
50 to 99 miles	31.4	39.2	46.5
100 to 249 miles	47.2	45.8	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	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**12.7**	**14.4**	**11.5**
Less than 50 miles	17.1	22.5	20.3
50 to 99 miles	34.1	28.2	27.8
100 to 249 miles	19.0	22.3	22.5
250 to 499 miles	15.7	15.8	16.7
500 to 749 miles	22.1	15.6	16.2
750 to 999 miles	43.0	22.2	22.3
1,000 to 1,499 miles	45.3	37.0	36.0
1,500 to 1,999 miles	49.3	42.7	43.1
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**11.5**	**21.6**	**22.8**
Less than 50 miles	13.9	24.3	20.0
50 to 99 miles	22.8	19.6	19.0
100 to 249 miles	15.9	16.0	16.7
250 to 499 miles	16.9	35.2	38.3
500 to 749 miles	11.4	16.8	15.6
750 to 999 miles	24.4	33.3	34.7
1,000 to 1,499 miles	21.5	23.0	23.8
1,500 to 1,999 miles	21.5	20.4	20.5
2,000 miles or more	39.2	41.7	42.2
SCTG 21, Pharmaceutical products	**12.1**	**35.7**	**31.5**
Less than 50 miles	16.1	S	S
50 to 99 miles	18.5	13.7	14.2
100 to 249 miles	16.4	22.7	18.7
250 to 499 miles	20.6	S	48.3
500 to 749 miles	22.0	26.7	28.0
750 to 999 miles	28.9	S	S
1,000 to 1,499 miles	27.1	47.8	S
1,500 to 1,999 miles	31.5	S	S
2,000 miles or more	S	44.2	45.0
SCTG 22, Fertilizers	**19.7**	**22.3**	**47.7**
Less than 50 miles	19.6	21.7	22.5
50 to 99 miles	20.8	22.9	23.1
100 to 249 miles	31.7	30.0	28.9
250 to 499 miles	30.8	38.7	37.6
500 to 749 miles	42.7	49.3	48.3
750 to 999 miles	40.1	47.2	45.8
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**12.3**	**15.9**	**22.8**
Less than 50 miles	12.2	12.1	15.1
50 to 99 miles	23.1	29.4	29.6
100 to 249 miles	11.7	12.9	13.6
250 to 499 miles	25.4	30.6	33.6
500 to 749 miles	15.5	18.7	18.4
750 to 999 miles	19.1	25.1	26.0
1,000 to 1,499 miles	22.4	30.9	28.2
1,500 to 1,999 miles	22.8	32.0	31.2
2,000 miles or more	S	47.4	43.7
SCTG 24, Plastics and rubber	**6.0**	**9.4**	**12.8**
Less than 50 miles	10.3	16.1	13.2
50 to 99 miles	9.8	11.4	12.8
100 to 249 miles	6.1	8.6	7.9
250 to 499 miles	13.7	9.4	8.9
500 to 749 miles	10.0	17.5	17.0
750 to 999 miles	16.4	26.7	28.5
1,000 to 1,499 miles	17.1	20.4	22.5
1,500 to 1,999 miles	11.6	11.1	11.4
2,000 miles or more	22.5	33.5	33.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the 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	**10.5**	**20.3**	**40.1**
Less than 50 miles	20.1	30.4	35.0
50 to 99 miles	17.5	21.1	22.1
100 to 249 miles	20.6	30.6	32.3
250 to 499 miles	32.4	25.7	26.9
500 to 749 miles	S	S	S
750 to 999 miles	40.1	S	S
1,000 to 1,499 miles	46.3	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 26, Wood products	**4.4**	**9.4**	**13.4**
Less than 50 miles	7.6	13.2	9.3
50 to 99 miles	10.7	20.8	19.7
100 to 249 miles	7.3	32.1	47.1
250 to 499 miles	5.4	5.6	5.2
500 to 749 miles	8.5	8.3	8.2
750 to 999 miles	17.6	18.3	17.3
1,000 to 1,499 miles	20.0	18.7	19.3
1,500 to 1,999 miles	16.3	18.3	18.6
2,000 miles or more	27.7	35.0	35.2
SCTG 27, Pulp, newsprint, paper, and paperboard	**8.8**	**9.7**	**11.2**
Less than 50 miles	14.0	14.0	17.5
50 to 99 miles	12.8	15.7	15.6
100 to 249 miles	15.3	21.0	22.2
250 to 499 miles	12.5	14.1	15.3
500 to 749 miles	14.5	12.4	12.5
750 to 999 miles	15.8	24.5	26.5
1,000 to 1,499 miles	14.3	13.8	15.0
1,500 to 1,999 miles	19.7	18.8	18.9
2,000 miles or more	34.8	41.2	41.5
SCTG 28, Paper or paperboard articles	**8.3**	**11.2**	**13.4**
Less than 50 miles	8.6	14.6	19.6
50 to 99 miles	14.5	17.3	17.3
100 to 249 miles	16.0	18.1	18.6
250 to 499 miles	10.1	11.7	11.4
500 to 749 miles	16.4	17.8	18.7
750 to 999 miles	22.0	23.1	23.5
1,000 to 1,499 miles	34.8	48.4	48.5
1,500 to 1,999 miles	15.2	20.2	20.0
2,000 miles or more	26.0	23.6	23.6
SCTG 29, Printed products	**11.9**	**9.1**	**9.9**
Less than 50 miles	13.3	23.0	17.3
50 to 99 miles	14.0	23.2	22.3
100 to 249 miles	38.4	12.6	12.4
250 to 499 miles	17.2	11.7	11.3
500 to 749 miles	18.1	12.7	13.7
750 to 999 miles	14.7	14.5	14.0
1,000 to 1,499 miles	17.4	20.9	20.6
1,500 to 1,999 miles	20.5	19.6	19.2
2,000 miles or more	20.5	30.2	30.2
SCTG 30, Textiles, leather, and articles of textiles or leather	**12.0**	**8.1**	**14.7**
Less than 50 miles	18.0	22.3	32.9
50 to 99 miles	7.9	11.4	10.9
100 to 249 miles	10.5	9.1	9.9
250 to 499 miles	15.4	12.6	11.9
500 to 749 miles	21.3	14.4	14.8
750 to 999 miles	15.4	13.6	12.5
1,000 to 1,499 miles	17.1	12.1	12.1
1,500 to 1,999 miles	42.4	32.7	31.5
2,000 miles or more	19.4	19.3	19.3
SCTG 31, Nonmetallic mineral products	**6.0**	**14.9**	**5.2**
Less than 50 miles	8.1	20.6	21.2
50 to 99 miles	10.3	7.4	8.0
100 to 249 miles	12.4	9.1	10.5
250 to 499 miles	13.6	12.7	13.3
500 to 749 miles	17.6	13.6	14.0
750 to 999 miles	18.7	15.4	15.3
1,000 to 1,499 miles	28.0	20.3	21.5
1,500 to 1,999 miles	S	30.3	31.8
2,000 miles or more	25.1	22.4	20.5
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**5.0**	**8.6**	**11.6**
Less than 50 miles	8.5	10.2	12.4
50 to 99 miles	13.3	12.8	12.2
100 to 249 miles	7.7	15.3	21.4
250 to 499 miles	7.9	10.4	11.4
500 to 749 miles	11.4	14.3	14.3
750 to 999 miles	14.2	15.2	15.1
1,000 to 1,499 miles	15.7	19.8	21.4
1,500 to 1,999 miles	22.1	40.2	44.0
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.4**	**9.8**	**14.2**
Less than 50 miles	10.7	7.5	11.3
50 to 99 miles	12.2	14.5	13.3
100 to 249 miles	7.1	13.6	16.3
250 to 499 miles	8.2	13.0	12.7
500 to 749 miles	10.3	24.2	23.9
750 to 999 miles	12.0	28.4	34.9
1,000 to 1,499 miles	10.9	15.7	15.7
1,500 to 1,999 miles	14.4	28.7	33.0
2,000 miles or more	23.3	S	S
SCTG 34, Machinery	**12.1**	**9.1**	**8.2**
Less than 50 miles	10.7	13.5	12.2
50 to 99 miles	14.6	14.2	13.8
100 to 249 miles	12.3	16.1	15.1
250 to 499 miles	33.9	23.3	25.3
500 to 749 miles	10.4	8.7	9.5
750 to 999 miles	10.5	12.5	12.0
1,000 to 1,499 miles	13.8	17.9	18.9
1,500 to 1,999 miles	13.3	16.0	15.5
2,000 miles or more	23.9	31.7	30.3
SCTG 35, Electronic and other electrical equipment and components and office equipment	**6.6**	**6.7**	**8.7**
Less than 50 miles	11.7	18.7	22.6
50 to 99 miles	15.0	15.9	13.9
100 to 249 miles	9.2	9.2	8.8
250 to 499 miles	10.8	12.8	13.0
500 to 749 miles	10.0	9.8	10.0
750 to 999 miles	11.7	15.4	15.4
1,000 to 1,499 miles	43.0	22.3	22.5
1,500 to 1,999 miles	10.4	19.3	18.9
2,000 miles or more	S	31.8	30.6
SCTG 36, Motorized and other vehicles (including parts)	**13.4**	**11.2**	**14.1**
Less than 50 miles	26.8	20.5	19.9
50 to 99 miles	16.7	18.5	18.8
100 to 249 miles	14.3	12.4	13.4
250 to 499 miles	16.4	16.8	18.0
500 to 749 miles	23.1	20.8	22.0
750 to 999 miles	28.2	22.4	24.4
1,000 to 1,499 miles	21.2	18.7	18.9
1,500 to 1,999 miles	23.3	20.2	20.3
2,000 miles or more	26.2	31.2	30.5
SCTG 37, Transportation equipment, n.e.c.	**14.5**	**16.6**	**16.8**
Less than 50 miles	S	44.0	49.6
50 to 99 miles	S	S	S
100 to 249 miles	21.9	23.9	21.7
250 to 499 miles	21.3	28.7	30.7
500 to 749 miles	16.5	29.4	29.9
750 to 999 miles	25.8	22.8	22.5
1,000 to 1,499 miles	39.6	S	S
1,500 to 1,999 miles	36.5	30.2	29.7
2,000 miles or more	35.9	31.3	32.1
SCTG 38, Precision instruments and apparatus	**16.5**	**19.5**	**23.6**
Less than 50 miles	35.2	32.6	37.3
50 to 99 miles	28.8	30.0	30.4
100 to 249 miles	25.3	30.6	30.5
250 to 499 miles	19.0	29.3	27.6
500 to 749 miles	23.3	35.5	34.4
750 to 999 miles	24.2	30.8	30.3
1,000 to 1,499 miles	30.4	45.4	44.7
1,500 to 1,999 miles	32.3	34.1	33.0
2,000 miles or more	27.3	45.9	49.7
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**8.7**	**13.5**	**12.5**
Less than 50 miles	21.2	38.5	32.3
50 to 99 miles	14.3	16.2	15.9
100 to 249 miles	11.8	10.8	9.8
250 to 499 miles	9.2	13.7	14.3
500 to 749 miles	12.9	16.9	16.2
750 to 999 miles	12.9	15.1	15.5
1,000 to 1,499 miles	15.5	34.7	34.6
1,500 to 1,999 miles	16.0	14.4	14.5
2,000 miles or more	19.0	21.3	24.4
SCTG 40, Miscellaneous manufactured products	**11.1**	**15.5**	**9.7**
Less than 50 miles	16.4	29.6	31.5
50 to 99 miles	42.3	39.4	39.2
100 to 249 miles	23.7	21.3	17.3
250 to 499 miles	7.2	10.4	10.4
500 to 749 miles	9.4	16.2	16.0
750 to 999 miles	9.6	13.8	13.6
1,000 to 1,499 miles	12.1	20.9	22.0
1,500 to 1,999 miles	15.4	13.8	14.0
2,000 miles or more	21.5	40.7	38.7

See footnotes at end of table.

Table B–8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the 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	**15.4**	**16.5**	**22.8**
Less than 50 miles	13.4	14.3	15.4
50 to 99 miles	26.3	31.1	29.6
100 to 249 miles	21.7	29.5	30.5
250 to 499 miles	38.0	38.2	39.4
500 to 749 miles	19.4	25.1	23.9
750 to 999 miles	41.4	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	**17.8**	**11.1**	**10.4**
Less than 50 miles	17.9	16.1	18.7
50 to 99 miles	22.7	13.9	13.9
100 to 249 miles	28.3	12.2	12.2
250 to 499 miles	18.8	14.7	15.1
500 to 749 miles	20.5	22.9	23.9
750 to 999 miles	32.9	36.9	39.2
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	42.6	46.9	48.5
2,000 miles or more	45.6	39.9	39.8
Commodity unknown	**33.8**	**S**	**S**
Less than 50 miles	S	47.3	43.4
50 to 99 miles	S	29.7	29.7
100 to 249 miles	S	45.1	48.7
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	42.1	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	43.0	41.0	41.0
2,000 miles or more	S	S	S

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

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

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	**2.4**	**8.5**	**9.5**
Less than 50 lb	5.3	5.3	6.6
50 to 99 lb	3.8	11.7	8.3
100 to 499 lb	4.0	9.1	6.7
500 to 749 lb	5.5	8.0	5.6
750 to 999 lb	4.5	6.7	6.1
1,000 to 9,999 lb	6.9	3.2	6.5
10,000 to 49,999 lb	3.3	7.3	2.2
50,000 to 99,999 lb	4.1	13.0	18.7
100,000 lb or more	8.7	14.5	14.9
SCTG 01, Live animals and live fish	**33.0**	**33.4**	**37.7**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	44.6	38.0	38.7
10,000 to 49,999 lb	31.2	31.4	34.7
50,000 to 99,999 lb	S	47.6	S
100,000 lb or more	49.6	47.7	S
SCTG 02, Cereal grains	**33.2**	**33.1**	**33.5**
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	44.5	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	35.0	27.2	24.1
10,000 to 49,999 lb	42.3	38.5	43.5
50,000 to 99,999 lb	S	S	42.1
100,000 lb or more	32.2	32.1	38.8
SCTG 03, Other agricultural products	**10.5**	**31.4**	**31.2**
Less than 50 lb	43.9	S	40.8
50 to 99 lb	34.2	46.0	37.0
100 to 499 lb	29.8	35.2	25.9
500 to 749 lb	24.4	40.9	27.2
750 to 999 lb	35.2	38.8	34.8
1,000 to 9,999 lb	21.9	24.4	30.4
10,000 to 49,999 lb	20.4	34.4	30.7
50,000 to 99,999 lb	37.9	34.8	42.9
100,000 lb or more	25.9	40.4	36.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.5**	**15.8**	**24.5**
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	34.7	21.4	37.9
10,000 to 49,999 lb	24.3	25.0	26.2
50,000 to 99,999 lb	13.3	13.1	19.6
100,000 lb or more	32.8	40.9	S
SCTG 05, Meat, fish, seafood, and their preparations	**9.7**	**10.0**	**13.8**
Less than 50 lb	20.6	28.1	31.8
50 to 99 lb	21.4	26.8	26.2
100 to 499 lb	17.7	25.9	22.3
500 to 749 lb	29.6	34.3	32.5
750 to 999 lb	21.2	29.2	22.2
1,000 to 9,999 lb	9.6	9.2	11.7
10,000 to 49,999 lb	11.6	11.5	14.8
50,000 to 99,999 lb	S	46.2	43.0
100,000 lb or more	S	36.0	S
SCTG 06, Milled grain products and preparations, and bakery products	**13.1**	**11.8**	**12.1**
Less than 50 lb	S	S	S
50 to 99 lb	36.8	39.1	43.0
100 to 499 lb	S	43.5	45.6
500 to 749 lb	42.9	40.0	36.0
750 to 999 lb	21.2	36.9	35.0
1,000 to 9,999 lb	22.5	26.4	31.4
10,000 to 49,999 lb	14.1	12.4	14.1
50,000 to 99,999 lb	24.3	27.1	26.4
100,000 lb or more	29.2	26.5	28.8
SCTG 07, Other prepared foodstuffs and fats and oils	**6.3**	**7.1**	**15.0**
Less than 50 lb	20.2	31.6	32.9
50 to 99 lb	27.5	33.9	43.8
100 to 499 lb	15.2	21.1	23.9
500 to 749 lb	24.2	24.4	36.2
750 to 999 lb	16.9	19.9	27.9
1,000 to 9,999 lb	8.8	13.5	10.0
10,000 to 49,999 lb	9.6	9.4	18.3
50,000 to 99,999 lb	17.6	20.2	23.8
100,000 lb or more	21.4	20.0	26.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**11.5**	**11.7**	**28.6**
Less than 50 lb	19.6	15.1	19.1
50 to 99 lb	18.5	12.4	14.8
100 to 499 lb	8.3	9.1	10.5
500 to 749 lb	6.2	8.7	9.1
750 to 999 lb	10.9	12.9	12.7
1,000 to 9,999 lb	9.6	12.2	12.8
10,000 to 49,999 lb	23.4	24.7	29.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**26.3**	**14.9**	**28.7**
Less than 50 lb	17.5	15.0	32.0
50 to 99 lb	20.0	17.7	37.9
100 to 499 lb	14.7	17.4	25.7
500 to 749 lb	18.0	24.4	42.5
750 to 999 lb	32.9	32.3	48.2
1,000 to 9,999 lb	28.5	25.5	29.0
10,000 to 49,999 lb	47.7	32.1	43.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**S**	**S**	**44.3**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	49.2	S
10,000 to 49,999 lb	S	40.3	41.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	44.0
SCTG 11, Natural sands	**18.0**	**42.3**	**38.3**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	S	S	49.8
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	49.9	41.5	30.7
10,000 to 49,999 lb	26.0	40.1	41.5
50,000 to 99,999 lb	39.6	S	S
100,000 lb or more	38.5	37.2	47.1
SCTG 12, Gravel and crushed stone	**19.3**	**15.2**	**16.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	45.4	46.6	S
1,000 to 9,999 lb	S	40.3	36.2
10,000 to 49,999 lb	23.2	23.5	21.2
50,000 to 99,999 lb	26.5	26.6	31.1
100,000 lb or more	20.5	23.2	36.2
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**29.2**	**17.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	40.7	22.0	40.0
500 to 749 lb	S	S	36.7
750 to 999 lb	45.1	43.4	S
1,000 to 9,999 lb	35.5	29.0	S
10,000 to 49,999 lb	S	25.1	14.3
50,000 to 99,999 lb	35.7	36.6	25.9
100,000 lb or more	27.3	47.3	23.2
SCTG 14, Metallic ores and concentrates	**20.0**	**38.2**	**41.6**
Less than 50 lb	S	41.5	S
50 to 99 lb	S	S	S
100 to 499 lb	S	46.7	S
500 to 749 lb	44.8	S	42.5
750 to 999 lb	S	S	S
1,000 to 9,999 lb	46.1	36.0	44.3
10,000 to 49,999 lb	26.6	S	S
50,000 to 99,999 lb	44.1	43.1	43.9
100,000 lb or more	29.5	33.6	32.9
SCTG 15, Coal	**15.4**	**17.2**	**20.5**
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	43.1
10,000 to 49,999 lb	35.8	33.4	S
50,000 to 99,999 lb	37.9	37.1	38.3
100,000 lb or more	15.9	18.3	22.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**8.5**	**10.2**	**23.7**
Less than 50 lb	43.2	32.4	35.4
50 to 99 lb	37.4	42.0	40.9
100 to 499 lb	S	40.6	S
500 to 749 lb	S	44.9	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	28.7	30.2	29.9
10,000 to 49,999 lb	12.7	14.0	12.2
50,000 to 99,999 lb	7.9	8.3	12.3
100,000 lb or more	29.5	31.1	34.0
SCTG 18, Fuel oils	**12.4**	**12.7**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	32.4	25.2	26.4
100 to 499 lb	S	27.2	37.4
500 to 749 lb	39.7	38.1	37.0
750 to 999 lb	40.0	29.2	42.2
1,000 to 9,999 lb	25.5	22.0	25.8
10,000 to 49,999 lb	21.8	21.2	24.7
50,000 to 99,999 lb	13.2	13.4	17.4
100,000 lb or more	29.5	29.6	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.7**	**14.4**	**11.5**
Less than 50 lb	25.8	19.3	31.4
50 to 99 lb	30.1	24.4	36.3
100 to 499 lb	26.2	30.4	34.0
500 to 749 lb	23.9	27.9	38.8
750 to 999 lb	36.0	37.5	44.8
1,000 to 9,999 lb	28.9	26.1	S
10,000 to 49,999 lb	22.7	28.0	23.3
50,000 to 99,999 lb	40.1	31.6	29.1
100,000 lb or more	17.1	28.7	15.1
SCTG 20, Basic chemicals	**11.5**	**21.6**	**22.8**
Less than 50 lb	43.9	36.8	47.6
50 to 99 lb	44.2	25.7	S
100 to 499 lb	36.5	27.6	29.7
500 to 749 lb	26.9	28.3	26.0
750 to 999 lb	14.2	31.9	31.4
1,000 to 9,999 lb	21.0	11.4	16.9
10,000 to 49,999 lb	10.8	12.8	10.8
50,000 to 99,999 lb	25.2	32.9	30.6
100,000 lb or more	19.9	31.6	33.0
SCTG 21, Pharmaceutical products	**12.1**	**35.7**	**31.5**
Less than 50 lb	19.8	16.6	20.3
50 to 99 lb	32.4	14.7	14.8
100 to 499 lb	24.7	18.5	21.1
500 to 749 lb	37.6	22.3	45.0
750 to 999 lb	44.8	27.4	34.5
1,000 to 9,999 lb	31.9	15.5	30.5
10,000 to 49,999 lb	S	33.3	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**19.7**	**22.3**	**47.7**
Less than 50 lb	46.5	S	S
50 to 99 lb	S	41.3	S
100 to 499 lb	37.3	23.4	S
500 to 749 lb	37.5	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	25.7	29.8	26.8
10,000 to 49,999 lb	26.3	33.8	49.6
50,000 to 99,999 lb	20.7	20.8	27.5
100,000 lb or more	31.5	28.2	S
SCTG 23, Chemical products and preparations, n.e.c.	**12.3**	**15.9**	**22.8**
Less than 50 lb	26.1	15.7	31.0
50 to 99 lb	16.2	24.8	39.9
100 to 499 lb	17.0	16.6	32.0
500 to 749 lb	12.1	14.4	19.2
750 to 999 lb	18.3	22.9	46.0
1,000 to 9,999 lb	10.1	12.0	11.7
10,000 to 49,999 lb	14.5	18.0	25.4
50,000 to 99,999 lb	35.0	S	S
100,000 lb or more	S	47.3	S
SCTG 24, Plastics and rubber	**6.0**	**9.4**	**12.8**
Less than 50 lb	12.0	8.1	9.8
50 to 99 lb	13.0	9.3	10.8
100 to 499 lb	8.7	8.6	9.4
500 to 749 lb	12.8	12.5	9.4
750 to 999 lb	10.8	8.8	12.6
1,000 to 9,999 lb	7.2	11.6	8.7
10,000 to 49,999 lb	9.1	10.7	9.8
50,000 to 99,999 lb	25.3	29.1	26.9
100,000 lb or more	30.7	37.4	46.9

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**10.5**	**20.3**	**40.1**
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	45.8	49.1	S
1,000 to 9,999 lb	28.9	S	24.5
10,000 to 49,999 lb	15.0	22.0	14.0
50,000 to 99,999 lb	14.5	13.9	14.6
100,000 lb or more	38.9	S	S
SCTG 26, Wood products	**4.4**	**9.4**	**13.4**
Less than 50 lb	20.1	19.2	27.5
50 to 99 lb	28.1	28.8	25.1
100 to 499 lb	15.8	20.4	14.9
500 to 749 lb	19.1	17.3	28.2
750 to 999 lb	17.6	21.6	25.6
1,000 to 9,999 lb	8.8	11.2	7.8
10,000 to 49,999 lb	6.2	5.5	7.1
50,000 to 99,999 lb	11.0	17.9	12.8
100,000 lb or more	15.4	38.1	35.6
SCTG 27, Pulp, newsprint, paper, and paperboard	**8.8**	**9.7**	**11.2**
Less than 50 lb	27.7	23.7	25.0
50 to 99 lb	20.1	24.3	17.3
100 to 499 lb	15.6	14.8	20.1
500 to 749 lb	18.7	17.9	19.5
750 to 999 lb	21.3	20.4	36.9
1,000 to 9,999 lb	27.3	17.8	21.6
10,000 to 49,999 lb	9.2	10.3	12.3
50,000 to 99,999 lb	25.1	27.9	29.2
100,000 lb or more	12.0	13.0	14.8
SCTG 28, Paper or paperboard articles	**8.3**	**11.2**	**13.4**
Less than 50 lb	21.5	19.6	29.3
50 to 99 lb	18.0	17.6	31.2
100 to 499 lb	13.6	12.7	20.3
500 to 749 lb	14.4	14.8	26.7
750 to 999 lb	32.8	20.2	30.8
1,000 to 9,999 lb	12.6	15.0	28.5
10,000 to 49,999 lb	10.7	12.9	11.8
50,000 to 99,999 lb	47.7	47.0	45.4
100,000 lb or more	S	S	42.7
SCTG 29, Printed products	**11.9**	**9.1**	**9.9**
Less than 50 lb	22.3	16.2	22.8
50 to 99 lb	26.2	19.5	24.2
100 to 499 lb	19.9	30.7	26.2
500 to 749 lb	11.0	16.2	18.4
750 to 999 lb	20.8	21.5	25.9
1,000 to 9,999 lb	22.3	19.0	18.8
10,000 to 49,999 lb	10.3	10.9	14.2
50,000 to 99,999 lb	45.1	35.9	45.9
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**12.0**	**8.1**	**14.7**
Less than 50 lb	16.8	23.2	25.8
50 to 99 lb	13.7	16.8	20.1
100 to 499 lb	16.2	13.0	13.6
500 to 749 lb	15.4	15.3	15.0
750 to 999 lb	22.4	24.3	24.4
1,000 to 9,999 lb	20.1	19.7	28.5
10,000 to 49,999 lb	15.4	9.0	18.9
50,000 to 99,999 lb	40.4	S	46.3
100,000 lb or more	S	43.8	38.4
SCTG 31, Nonmetallic mineral products	**6.0**	**14.9**	**5.2**
Less than 50 lb	23.7	21.2	28.6
50 to 99 lb	21.4	20.4	26.9
100 to 499 lb	16.7	17.5	34.0
500 to 749 lb	33.1	17.8	47.9
750 to 999 lb	22.5	18.7	36.3
1,000 to 9,999 lb	13.8	10.3	12.7
10,000 to 49,999 lb	7.7	11.7	6.9
50,000 to 99,999 lb	16.5	17.4	14.6
100,000 lb or more	14.6	45.5	10.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**5.0**	**8.6**	**11.6**
Less than 50 lb	30.8	14.4	19.5
50 to 99 lb	15.8	18.1	15.9
100 to 499 lb	12.6	18.0	21.3
500 to 749 lb	15.9	14.8	19.3
750 to 999 lb	14.8	16.2	16.0
1,000 to 9,999 lb	6.9	10.6	9.4
10,000 to 49,999 lb	7.4	8.5	10.5
50,000 to 99,999 lb	13.6	17.8	27.5
100,000 lb or more	14.3	21.9	28.1

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.4**	**9.8**	**14.2**
Less than 50 lb	11.8	10.9	20.7
50 to 99 lb	9.3	7.2	15.2
100 to 499 lb	11.4	8.3	11.3
500 to 749 lb	15.8	10.0	14.1
750 to 999 lb	11.0	9.2	11.7
1,000 to 9,999 lb	9.4	7.0	7.7
10,000 to 49,999 lb	7.4	7.8	8.9
50,000 to 99,999 lb	44.0	40.0	S
100,000 lb or more	35.5	35.1	33.1
SCTG 34, Machinery	**12.1**	**9.1**	**8.2**
Less than 50 lb	10.5	10.8	13.2
50 to 99 lb	12.9	12.8	13.9
100 to 499 lb	8.9	9.3	10.2
500 to 749 lb	11.0	10.5	14.3
750 to 999 lb	15.5	13.3	18.3
1,000 to 9,999 lb	10.0	11.3	13.5
10,000 to 49,999 lb	22.9	13.1	11.3
50,000 to 99,999 lb	21.2	32.5	43.8
100,000 lb or more	46.9	44.5	44.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	**6.6**	**6.7**	**8.7**
Less than 50 lb	8.2	9.8	23.3
50 to 99 lb	10.0	12.1	12.7
100 to 499 lb	9.3	12.9	14.6
500 to 749 lb	17.0	12.2	16.6
750 to 999 lb	20.2	11.7	16.8
1,000 to 9,999 lb	14.4	10.9	11.5
10,000 to 49,999 lb	12.0	8.9	10.8
50,000 to 99,999 lb	40.9	30.2	39.3
100,000 lb or more	45.4	49.5	42.1
SCTG 36, Motorized and other vehicles (including parts)	**13.4**	**11.2**	**14.1**
Less than 50 lb	13.6	16.7	21.5
50 to 99 lb	15.0	15.2	16.7
100 to 499 lb	10.2	10.3	11.5
500 to 749 lb	14.7	12.7	13.8
750 to 999 lb	17.4	12.0	13.8
1,000 to 9,999 lb	20.7	21.0	29.4
10,000 to 49,999 lb	14.9	13.9	14.9
50,000 to 99,999 lb	35.5	34.2	S
100,000 lb or more	41.0	S	S
SCTG 37, Transportation equipment, n.e.c.	**14.5**	**16.6**	**16.8**
Less than 50 lb	34.5	49.3	32.2
50 to 99 lb	31.5	S	33.6
100 to 499 lb	35.5	S	S
500 to 749 lb	39.4	18.4	22.6
750 to 999 lb	29.6	26.9	33.0
1,000 to 9,999 lb	20.3	18.8	21.3
10,000 to 49,999 lb	27.6	22.7	23.4
50,000 to 99,999 lb	S	S	47.3
100,000 lb or more	15.9	34.3	34.1
SCTG 38, Precision instruments and apparatus	**16.5**	**19.5**	**23.6**
Less than 50 lb	23.0	26.7	37.3
50 to 99 lb	35.9	18.1	20.6
100 to 499 lb	24.6	19.0	26.6
500 to 749 lb	S	21.6	24.6
750 to 999 lb	31.6	31.7	43.7
1,000 to 9,999 lb	25.4	30.1	37.2
10,000 to 49,999 lb	39.2	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**8.7**	**13.5**	**12.5**
Less than 50 lb	23.3	37.7	17.4
50 to 99 lb	20.7	25.0	18.2
100 to 499 lb	9.4	9.7	11.1
500 to 749 lb	9.8	9.2	11.8
750 to 999 lb	14.1	12.5	14.4
1,000 to 9,999 lb	10.8	15.7	14.0
10,000 to 49,999 lb	14.1	16.2	14.4
50,000 to 99,999 lb	41.1	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**11.1**	**15.5**	**9.7**
Less than 50 lb	8.6	10.7	11.0
50 to 99 lb	14.5	17.9	11.1
100 to 499 lb	9.8	20.8	36.9
500 to 749 lb	22.8	12.4	14.0
750 to 999 lb	17.7	12.4	15.1
1,000 to 9,999 lb	9.5	7.5	8.1
10,000 to 49,999 lb	24.8	19.7	11.4
50,000 to 99,999 lb	17.2	34.6	34.0
100,000 lb or more	29.6	31.6	39.1

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the 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	**15.4**	**16.5**	**22.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	28.9	49.9	S
500 to 749 lb	S	S	S
750 to 999 lb	49.3	49.4	S
1,000 to 9,999 lb	23.8	29.5	S
10,000 to 49,999 lb	13.1	17.9	18.6
50,000 to 99,999 lb	21.8	20.9	26.7
100,000 lb or more	27.8	22.1	28.6
SCTG 43, Mixed freight	**17.8**	**11.1**	**10.4**
Less than 50 lb	19.4	21.3	26.1
50 to 99 lb	30.1	33.1	28.3
100 to 499 lb	20.5	24.3	25.8
500 to 749 lb	21.9	28.1	41.6
750 to 999 lb	39.1	30.4	34.5
1,000 to 9,999 lb	30.7	19.4	22.5
10,000 to 49,999 lb	13.5	12.9	12.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**33.8**	**S**	**S**
Less than 50 lb	24.2	31.8	30.6
50 to 99 lb	49.9	34.1	39.1
100 to 499 lb	25.9	38.0	32.1
500 to 749 lb	35.6	29.7	37.8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	40.3	30.1	28.6
10,000 to 49,999 lb	S	49.6	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	42.3

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

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

Table B–10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**2.4**	**8.5**	**9.5**	**7.6**	**3.6**	**10.4**	**11.6**	**4.9**	**12.3**	**16.9**
Less than 50 lb	5.3	5.3	6.6	9.8	4.4	9.5	10.2	11.8	9.1	9.0
50 to 99 lb	3.8	11.7	8.3	11.0	6.5	18.3	18.9	12.7	13.1	13.0
100 to 499 lb	4.0	9.1	6.7	6.4	4.9	12.3	12.9	6.9	8.7	9.0
500 to 749 lb	5.5	8.0	5.6	4.4	6.9	9.4	11.0	9.7	14.3	13.6
750 to 999 lb	4.5	6.7	6.1	4.5	7.2	9.2	10.4	16.1	7.4	7.8
1,000 to 9,999 lb	6.9	3.2	6.5	5.8	11.1	6.3	7.4	9.7	5.7	5.7
10,000 to 49,999 lb	3.3	7.3	2.2	4.6	3.5	12.6	13.1	8.0	7.2	7.8
50,000 to 99,999 lb	4.1	13.0	18.7	10.6	4.7	13.4	14.4	9.3	21.7	21.4
100,000 lb or more	8.7	14.5	14.9	10.6	11.6	20.1	21.3	20.9	19.4	31.0
SCTG 01, Live animals and live fish	**33.0**	**33.4**	**37.7**	**16.5**	**37.3**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	21.7	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.2	S	S	S	S	S	S
100 to 499 lb	S	S	S	24.7	S	S	48.4	S	S	S
500 to 749 lb	S	S	S	22.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	44.6	38.0	38.7	43.9	S	47.7	S	49.1	41.9	42.6
10,000 to 49,999 lb	31.2	31.4	34.7	16.2	43.1	S	S	S	S	S
50,000 to 99,999 lb	S	47.6	S	18.7	S	S	S	–	–	–
100,000 lb or more	49.6	47.7	S	24.3	S	S	S	–	–	–
SCTG 02, Cereal grains	**33.2**	**33.1**	**33.5**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.3	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	44.5	S	S	40.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	24.3	S	S	S	–	–	–
1,000 to 9,999 lb	35.0	27.2	24.1	31.3	42.2	31.6	23.5	S	S	S
10,000 to 49,999 lb	42.3	38.5	43.5	17.7	31.7	32.7	38.7	S	49.5	S
50,000 to 99,999 lb	S	S	42.1	46.2	48.8	47.3	S	S	S	S
100,000 lb or more	32.2	32.1	38.8	18.3	S	S	S	S	S	S
SCTG 03, Other agricultural products	**10.5**	**31.4**	**31.2**	**32.2**	**19.6**	**S**	**S**	**17.8**	**21.6**	**20.0**
Less than 50 lb	43.9	S	40.8	S	S	S	S	S	S	S
50 to 99 lb	34.2	46.0	37.0	S	46.1	47.3	S	S	S	S
100 to 499 lb	29.8	35.2	25.9	38.8	39.3	41.4	49.7	23.3	26.6	25.4
500 to 749 lb	24.4	40.9	27.2	S	33.5	48.2	S	39.7	38.4	37.0
750 to 999 lb	35.2	38.8	34.8	12.6	46.4	48.3	S	47.5	46.0	47.5
1,000 to 9,999 lb	21.9	24.4	30.4	14.5	22.6	31.2	39.1	27.7	29.6	28.3
10,000 to 49,999 lb	20.4	34.4	30.7	28.2	23.0	S	S	35.9	35.1	32.4
50,000 to 99,999 lb	37.9	34.8	42.9	S	S	S	S	S	S	S
100,000 lb or more	25.9	40.4	36.6	18.9	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**20.5**	**15.8**	**24.5**	**S**	**29.9**	**14.6**	**16.9**	**39.0**	**40.1**	**36.7**
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
100 to 499 lb	S	S	S	26.7	S	S	S	41.0	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	38.4	39.5
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.7	21.4	37.9	21.4	43.4	23.0	26.7	37.3	S	47.9
10,000 to 49,999 lb	24.3	25.0	26.2	9.4	25.3	23.4	28.2	S	47.5	44.7
50,000 to 99,999 lb	13.3	13.1	19.6	16.1	13.5	14.3	11.6	39.4	37.4	35.1
100,000 lb or more	32.8	40.9	S	21.3	44.3	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**9.7**	**10.0**	**13.8**	**13.2**	**12.5**	**11.6**	**15.6**	**19.6**	**23.9**	**24.8**
Less than 50 lb	20.6	28.1	31.8	14.0	22.3	30.1	30.2	32.9	S	46.5
50 to 99 lb	21.4	26.8	26.2	14.2	24.5	28.2	30.0	33.4	43.2	39.9
100 to 499 lb	17.7	25.9	22.3	14.6	15.8	22.6	25.5	35.0	44.4	41.2
500 to 749 lb	29.6	34.3	32.5	29.6	28.8	34.5	31.7	41.5	33.6	31.5
750 to 999 lb	21.2	29.2	22.2	15.6	30.5	36.6	34.7	31.8	39.5	36.4
1,000 to 9,999 lb	9.6	9.2	11.7	11.6	13.4	13.4	13.0	17.5	18.2	18.4
10,000 to 49,999 lb	11.6	11.5	14.8	7.4	17.9	17.5	23.4	22.9	23.8	25.4
50,000 to 99,999 lb	S	46.2	43.0	19.5	S	S	S	S	S	S
100,000 lb or more	S	36.0	S	22.6	S	S	S	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**13.1**	**11.8**	**12.1**	**30.5**	**24.0**	**19.1**	**19.1**	**16.9**	**21.5**	**20.6**
Less than 50 lb	S	S	S	S	47.2	S	46.2	S	S	S
50 to 99 lb	36.8	39.1	43.0	23.8	42.5	44.0	46.7	S	S	S
100 to 499 lb	S	43.5	45.6	23.8	S	46.1	42.6	S	S	S
500 to 749 lb	42.9	40.0	36.0	22.8	S	44.9	49.0	38.6	41.6	40.3
750 to 999 lb	21.2	36.9	35.0	16.7	32.3	41.6	44.5	31.3	41.6	42.0
1,000 to 9,999 lb	22.5	26.4	31.4	16.5	24.9	41.9	42.5	24.5	47.5	45.0
10,000 to 49,999 lb	14.1	12.4	14.1	7.8	19.5	21.1	24.7	15.4	17.4	17.0
50,000 to 99,999 lb	24.3	27.1	26.4	21.1	28.3	30.8	28.7	41.5	42.2	43.4
100,000 lb or more	29.2	26.5	28.8	16.6	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**6.3**	**7.1**	**15.0**	**23.3**	**11.1**	**11.6**	**11.8**	**11.2**	**12.8**	**13.9**
Less than 50 lb	20.2	31.6	32.9	33.5	34.4	40.7	38.5	24.6	28.2	27.8
50 to 99 lb	27.5	33.9	43.8	S	34.6	38.0	39.7	17.5	19.0	18.0
100 to 499 lb	15.2	21.1	23.9	22.0	19.8	25.3	24.7	17.8	18.9	18.2
500 to 749 lb	24.2	24.4	36.2	22.2	19.8	22.1	20.4	46.8	48.0	47.6
750 to 999 lb	16.9	19.9	27.9	18.8	23.7	26.4	23.3	25.2	24.0	24.8
1,000 to 9,999 lb	8.8	13.5	10.0	18.1	14.1	18.9	22.4	13.8	16.7	17.0
10,000 to 49,999 lb	9.6	9.4	18.3	16.6	20.1	15.3	16.3	14.0	15.4	16.4
50,000 to 99,999 lb	17.6	20.2	23.8	22.8	35.2	22.5	19.4	30.0	29.4	28.7
100,000 lb or more	21.4	20.0	26.6	11.2	49.1	41.3	48.9	46.6	42.2	44.7
SCTG 08, Alcoholic beverages	**11.5**	**11.7**	**28.6**	**12.6**	**7.7**	**11.0**	**12.1**	**16.3**	**16.8**	**18.6**
Less than 50 lb	19.6	15.1	19.1	11.7	19.8	14.9	12.6	37.7	40.4	39.1
50 to 99 lb	18.5	12.4	14.8	9.1	18.7	12.2	11.8	20.8	25.6	26.8
100 to 499 lb	8.3	9.1	10.5	5.9	8.3	9.9	12.8	31.5	24.5	26.8
500 to 749 lb	6.2	8.7	9.1	8.9	6.1	9.7	11.8	39.5	30.4	33.0
750 to 999 lb	10.9	12.9	12.7	8.7	10.7	13.2	13.6	32.3	26.2	29.5
1,000 to 9,999 lb	9.6	12.2	12.8	11.9	10.3	13.0	14.2	22.1	21.6	21.5
10,000 to 49,999 lb	23.4	24.7	29.0	14.9	20.3	25.9	34.6	47.9	48.9	S
50,000 to 99,999 lb	S	S	S	21.9	S	S	S	–	–	–
100,000 lb or more	S	S	S	21.2	S	S	S	–	–	–
SCTG 09, Tobacco products	**26.3**	**14.9**	**28.7**	**18.1**	**20.7**	**21.1**	**40.7**	**18.3**	**16.5**	**17.5**
Less than 50 lb	17.5	15.0	32.0	28.6	21.0	21.2	17.8	27.5	27.5	28.3
50 to 99 lb	20.0	17.7	37.9	22.3	17.2	16.5	15.2	40.4	47.4	S
100 to 499 lb	14.7	17.4	25.7	13.0	14.9	14.7	19.9	22.3	24.1	24.9
500 to 749 lb	18.0	24.4	42.5	20.3	27.7	25.8	31.4	28.4	30.2	31.4
750 to 999 lb	32.9	32.3	48.2	14.5	S	S	42.2	S	49.8	S
1,000 to 9,999 lb	28.5	25.5	29.0	18.5	33.4	27.4	31.4	38.4	29.0	29.6
10,000 to 49,999 lb	47.7	32.1	43.0	14.8	S	S	S	43.2	42.5	46.5
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	–	–	–
100,000 lb or more	S	S	S	37.9	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**44.3**	**23.2**	**S**	**S**	**S**	**S**	**41.0**	**42.0**
Less than 50 lb	S	S	S	20.5	S	S	S	–	–	–
50 to 99 lb	S	S	S	36.7	S	S	S	–	–	–
100 to 499 lb	S	S	S	24.6	S	S	S	–	–	–
500 to 749 lb	S	S	S	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	26.5	S	S	S	–	–	–
1,000 to 9,999 lb	S	49.2	S	20.5	S	S	46.2	S	S	S
10,000 to 49,999 lb	S	40.3	41.9	24.4	S	S	S	S	46.9	48.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	44.0	23.9	S	S	S	–	–	–
SCTG 11, Natural sands	**18.0**	**42.3**	**38.3**	**19.3**	**30.7**	**36.6**	**34.8**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	21.3	S	S	S	–	–	–
100 to 499 lb	S	S	49.8	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	21.2	S	S	S	–	–	–
750 to 999 lb	S	S	S	25.4	S	S	S	–	–	–
1,000 to 9,999 lb	49.9	41.5	30.7	41.6	37.1	43.0	44.7	S	S	S
10,000 to 49,999 lb	26.0	40.1	41.5	S	25.4	36.2	S	S	S	S
50,000 to 99,999 lb	39.6	S	S	17.7	44.8	48.0	43.3	S	S	S
100,000 lb or more	38.5	37.2	47.1	31.2	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**19.3**	**15.2**	**16.9**	**10.8**	**19.1**	**18.8**	**21.7**	**26.8**	**28.4**	**26.9**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	S	S	21.9	S	46.4	43.7	–	–	–
500 to 749 lb	S	S	S	21.4	S	S	S	–	–	–
750 to 999 lb	45.4	46.6	S	30.5	45.4	46.6	S	–	–	–
1,000 to 9,999 lb	S	40.3	36.2	43.1	S	45.9	S	S	S	S
10,000 to 49,999 lb	23.2	23.5	21.2	16.3	25.5	25.7	34.6	46.3	S	S
50,000 to 99,999 lb	26.5	26.6	31.1	10.3	26.0	26.0	30.2	38.2	40.3	38.9
100,000 lb or more	20.5	23.2	36.2	16.8	21.8	23.0	22.4	39.6	46.5	43.4
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**29.2**	**17.6**	**13.5**	**27.8**	**S**	**49.7**	**S**	**36.1**	**36.6**
Less than 50 lb	S	S	S	24.0	44.2	S	48.9	S	S	S
50 to 99 lb	S	S	S	21.6	43.1	S	S	S	S	S
100 to 499 lb	40.7	22.0	40.0	S	29.7	32.0	34.9	S	S	S
500 to 749 lb	S	S	36.7	S	S	S	S	S	S	S
750 to 999 lb	45.1	43.4	S	21.6	S	S	S	S	S	S
1,000 to 9,999 lb	35.5	29.0	S	17.9	43.9	34.9	36.8	42.6	42.8	42.0
10,000 to 49,999 lb	S	25.1	14.3	23.2	42.0	43.3	S	S	48.7	48.7
50,000 to 99,999 lb	35.7	36.6	25.9	41.6	38.9	S	S	39.6	41.8	40.8
100,000 lb or more	27.3	47.3	23.2	16.1	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**20.0**	**38.2**	**41.6**	**41.0**	**31.9**	**37.5**	**S**	**39.7**	**S**	**S**
Less than 50 lb	S	41.5	S	26.0	40.1	49.5	S	–	–	–
50 to 99 lb	S	S	S	24.0	S	S	S	–	–	–
100 to 499 lb	S	46.7	S	S	S	S	S	S	S	S
500 to 749 lb	44.8	S	42.5	27.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	46.1	36.0	44.3	22.8	S	39.1	S	S	S	S
10,000 to 49,999 lb	26.6	S	S	S	41.9	S	S	40.8	S	S
50,000 to 99,999 lb	44.1	43.1	43.9	S	S	44.3	43.8	S	S	S
100,000 lb or more	29.5	33.6	32.9	22.7	S	S	S	–	–	–
SCTG 15, Coal	**15.4**	**17.2**	**20.5**	**34.7**	**21.5**	**22.8**	**23.4**	**30.8**	**33.9**	**45.7**
Less than 50 lb	S	S	S	22.2	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	21.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.2	S	S	S	–	–	–
750 to 999 lb	S	S	S	23.6	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	43.1	S	S	S	S	S	S	S
10,000 to 49,999 lb	35.8	33.4	S	33.4	48.1	43.8	S	S	S	S
50,000 to 99,999 lb	37.9	37.1	38.3	25.0	47.2	47.8	39.7	35.0	31.9	32.2
100,000 lb or more	15.9	18.3	22.6	48.5	22.8	25.4	28.8	32.6	35.9	47.3
SCTG 17, Gasoline and aviation turbine fuel	**8.5**	**10.2**	**23.7**	**6.2**	**8.6**	**9.1**	**11.4**	**18.0**	**22.6**	**26.0**
Less than 50 lb	43.2	32.4	35.4	16.2	43.2	32.4	35.4	–	–	–
50 to 99 lb	37.4	42.0	40.9	15.3	37.4	42.0	40.9	–	–	–
100 to 499 lb	S	40.6	S	10.3	S	40.7	S	S	S	S
500 to 749 lb	S	44.9	S	24.0	S	45.2	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	28.7	30.2	29.9	6.5	27.6	31.1	31.3	S	41.3	41.9
10,000 to 49,999 lb	12.7	14.0	12.2	4.6	13.1	14.5	13.9	18.2	17.6	17.6
50,000 to 99,999 lb	7.9	8.3	12.3	5.3	8.7	8.6	12.9	11.2	12.5	13.1
100,000 lb or more	29.5	31.1	34.0	S	S	S	S	S	S	S
SCTG 18, Fuel oils	**12.4**	**12.7**	**S**	**7.5**	**12.6**	**11.1**	**14.7**	**31.4**	**39.2**	**46.5**
Less than 50 lb	S	S	S	26.4	S	S	S	S	S	S
50 to 99 lb	32.4	25.2	26.4	15.8	32.5	25.1	25.2	S	S	S
100 to 499 lb	S	27.2	37.4	44.4	S	27.5	41.3	S	S	S
500 to 749 lb	39.7	38.1	37.0	19.9	40.5	39.0	43.7	41.3	42.7	46.2
750 to 999 lb	40.0	29.2	42.2	11.7	40.0	29.2	42.6	S	S	S
1,000 to 9,999 lb	25.5	22.0	25.8	7.2	25.8	22.1	27.0	S	23.6	26.1
10,000 to 49,999 lb	21.8	21.2	24.7	14.9	23.1	22.5	20.7	18.2	18.7	17.1
50,000 to 99,999 lb	13.2	13.4	17.4	18.2	15.5	16.0	19.5	17.3	16.9	16.5
100,000 lb or more	29.5	29.6	S	S	45.1	44.0	48.8	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.7**	**14.4**	**11.5**	**12.2**	**17.1**	**22.5**	**20.3**	**34.1**	**28.2**	**27.8**
Less than 50 lb	25.8	19.3	31.4	15.5	28.3	19.6	21.7	28.9	30.1	31.7
50 to 99 lb	30.1	24.4	36.3	19.9	32.1	24.6	27.5	31.5	S	S
100 to 499 lb	26.2	30.4	34.0	12.4	28.2	32.0	27.9	45.9	40.1	40.4
500 to 749 lb	23.9	27.9	38.8	22.8	23.7	28.6	44.3	47.6	S	S
750 to 999 lb	36.0	37.5	44.8	18.9	33.7	38.5	S	S	S	S
1,000 to 9,999 lb	28.9	26.1	S	25.6	28.3	28.8	29.3	39.2	39.6	41.0
10,000 to 49,999 lb	22.7	28.0	23.3	22.0	33.1	36.0	42.6	34.5	35.3	35.7
50,000 to 99,999 lb	40.1	31.6	29.1	19.4	37.5	32.1	40.0	S	39.5	39.9
100,000 lb or more	17.1	28.7	15.1	12.1	S	49.8	33.9	S	S	S
SCTG 20, Basic chemicals	**11.5**	**21.6**	**22.8**	**18.6**	**13.9**	**24.3**	**20.0**	**22.8**	**19.6**	**19.0**
Less than 50 lb	43.9	36.8	47.6	21.4	S	34.2	47.1	S	S	S
50 to 99 lb	44.2	25.7	S	18.1	32.2	26.3	32.3	45.7	42.9	42.6
100 to 499 lb	36.5	27.6	29.7	32.1	19.6	28.0	38.3	37.2	S	S
500 to 749 lb	26.9	28.3	26.0	45.6	25.3	26.2	29.9	36.8	S	S
750 to 999 lb	14.2	31.9	31.4	33.3	22.7	31.0	45.5	32.0	26.6	29.6
1,000 to 9,999 lb	21.0	11.4	16.9	18.8	19.2	17.2	17.0	18.4	18.7	18.5
10,000 to 49,999 lb	10.8	12.8	10.8	6.1	21.4	15.7	14.9	28.9	26.3	26.5
50,000 to 99,999 lb	25.2	32.9	30.6	21.3	34.9	S	39.1	S	S	S
100,000 lb or more	19.9	31.6	33.0	5.7	25.1	34.2	29.7	24.4	26.9	26.9
SCTG 21, Pharmaceutical products	**12.1**	**35.7**	**31.5**	**11.6**	**16.1**	**S**	**S**	**18.5**	**13.7**	**14.2**
Less than 50 lb	19.8	16.6	20.3	12.1	20.4	28.2	22.9	25.3	20.6	19.5
50 to 99 lb	32.4	14.7	14.8	12.3	25.6	18.2	21.4	35.3	32.7	36.0
100 to 499 lb	24.7	18.5	21.1	27.5	39.0	19.5	24.5	32.6	25.1	26.0
500 to 749 lb	37.6	22.3	45.0	36.2	S	37.0	S	S	46.1	S
750 to 999 lb	44.8	27.4	34.5	28.1	S	45.2	43.6	46.5	43.2	43.3
1,000 to 9,999 lb	31.9	15.5	30.5	16.7	29.3	20.8	21.5	28.7	26.3	25.3
10,000 to 49,999 lb	S	33.3	S	20.7	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	21.8	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**19.7**	**22.3**	**47.7**	**18.7**	**19.6**	**21.7**	**22.5**	**20.8**	**22.9**	**23.1**
Less than 50 lb	46.5	S	S	46.6	S	S	S	S	S	S
50 to 99 lb	S	41.3	S	30.7	S	41.9	S	S	S	S
100 to 499 lb	37.3	23.4	S	S	31.0	24.7	33.2	S	39.2	39.5
500 to 749 lb	37.5	S	S	49.9	S	S	S	S	S	S
750 to 999 lb	S	S	S	26.0	S	S	S	S	S	S
1,000 to 9,999 lb	25.7	29.8	26.8	46.1	29.4	32.7	34.0	38.8	33.5	39.5
10,000 to 49,999 lb	26.3	33.8	49.6	16.2	22.8	24.2	32.8	30.8	33.4	32.4
50,000 to 99,999 lb	20.7	20.8	27.5	13.8	21.3	20.2	22.8	28.6	28.7	30.2
100,000 lb or more	31.5	28.2	S	18.9	S	S	47.3	36.6	34.5	34.3
SCTG 23, Chemical products and preparations, n.e.c.	**12.3**	**15.9**	**22.8**	**12.6**	**12.2**	**12.1**	**15.1**	**23.1**	**29.4**	**29.6**
Less than 50 lb	26.1	15.7	31.0	19.9	16.0	13.7	15.2	40.6	21.6	22.9
50 to 99 lb	16.2	24.8	39.9	14.6	19.9	17.3	14.7	31.1	30.1	30.3
100 to 499 lb	17.0	16.6	32.0	17.2	28.2	17.1	17.1	37.2	28.5	33.6
500 to 749 lb	12.1	14.4	19.2	16.9	22.3	18.6	29.9	28.2	32.1	30.3
750 to 999 lb	18.3	22.9	46.0	12.9	28.9	23.6	20.2	S	22.6	20.2
1,000 to 9,999 lb	10.1	12.0	11.7	8.9	24.8	19.1	23.9	32.3	33.3	33.7
10,000 to 49,999 lb	14.5	18.0	25.4	7.1	18.7	16.0	20.5	35.2	40.7	42.1
50,000 to 99,999 lb	35.0	S	S	31.6	41.3	40.9	S	S	S	S
100,000 lb or more	S	47.3	S	15.8	S	S	S	45.8	S	43.5
SCTG 24, Plastics and rubber	**6.0**	**9.4**	**12.8**	**6.5**	**10.3**	**16.1**	**13.2**	**9.8**	**11.4**	**12.8**
Less than 50 lb	12.0	8.1	9.8	8.2	11.4	8.3	11.3	19.9	16.8	15.8
50 to 99 lb	13.0	9.3	10.8	15.0	17.5	12.2	15.1	29.0	20.8	18.4
100 to 499 lb	8.7	8.6	9.4	10.2	10.7	11.7	14.4	15.8	15.6	15.3
500 to 749 lb	12.8	12.5	9.4	7.7	19.6	21.1	15.1	24.6	18.3	18.1
750 to 999 lb	10.8	8.8	12.6	8.6	16.0	13.2	16.8	26.0	27.2	24.1
1,000 to 9,999 lb	7.2	11.6	8.7	7.1	20.0	28.6	18.6	13.9	10.2	10.3
10,000 to 49,999 lb	9.1	10.7	9.8	5.1	26.4	28.4	24.2	16.6	20.0	22.0
50,000 to 99,999 lb	25.3	29.1	26.9	18.5	S	S	S	S	S	S
100,000 lb or more	30.7	37.4	46.9	10.2	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**10.5**	**20.3**	**40.1**	**23.8**	**20.1**	**30.4**	**35.0**	**17.5**	**21.1**	**22.1**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.5	S	S	S	S	S	S
100 to 499 lb	S	S	S	22.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	26.3	S	S	S	S	S	S
750 to 999 lb	45.8	49.1	S	23.1	S	S	S	–	–	–
1,000 to 9,999 lb	28.9	S	24.5	S	44.4	S	S	S	S	S
10,000 to 49,999 lb	15.0	22.0	14.0	42.4	25.4	31.6	39.1	17.8	20.6	21.3
50,000 to 99,999 lb	14.5	13.9	14.6	6.7	20.4	19.8	20.3	22.9	27.0	26.3
100,000 lb or more	38.9	S	S	S	S	S	S	S	S	S
SCTG 26, Wood products	**4.4**	**9.4**	**13.4**	**11.9**	**7.6**	**13.2**	**9.3**	**10.7**	**20.8**	**19.7**
Less than 50 lb	20.1	19.2	27.5	19.1	23.5	21.9	30.1	29.7	29.2	28.2
50 to 99 lb	28.1	28.8	25.1	17.7	24.6	24.1	25.7	S	S	S
100 to 499 lb	15.8	20.4	14.9	26.1	22.0	26.9	25.4	26.6	29.7	28.7
500 to 749 lb	19.1	17.3	28.2	32.7	24.4	24.0	17.0	24.3	21.5	20.7
750 to 999 lb	17.6	21.6	25.6	19.0	24.4	26.1	31.1	23.3	29.0	28.6
1,000 to 9,999 lb	8.8	11.2	7.8	12.6	13.7	15.0	12.1	15.4	19.0	19.1
10,000 to 49,999 lb	6.2	5.5	7.1	5.9	12.9	15.4	17.6	13.6	11.9	12.8
50,000 to 99,999 lb	11.0	17.9	12.8	9.5	15.4	21.7	22.5	18.3	31.9	30.9
100,000 lb or more	15.4	38.1	35.6	12.4	26.4	42.0	29.9	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**8.8**	**9.7**	**11.2**	**11.3**	**14.0**	**14.0**	**17.5**	**12.8**	**15.7**	**15.6**
Less than 50 lb	27.7	23.7	25.0	31.9	34.7	30.7	34.1	26.4	27.9	26.7
50 to 99 lb	20.1	24.3	17.3	26.6	24.5	30.3	26.9	22.7	26.2	25.2
100 to 499 lb	15.6	14.8	20.1	25.7	16.3	17.2	17.3	36.5	42.6	37.7
500 to 749 lb	18.7	17.9	19.5	27.5	17.2	22.6	24.6	S	43.5	44.0
750 to 999 lb	21.3	20.4	36.9	S	31.5	28.4	31.6	34.4	35.3	33.6
1,000 to 9,999 lb	27.3	17.8	21.6	16.1	18.3	22.5	30.3	20.5	20.8	20.9
10,000 to 49,999 lb	9.2	10.3	12.3	7.8	20.2	17.5	19.7	15.1	19.0	18.3
50,000 to 99,999 lb	25.1	27.9	29.2	18.4	49.9	32.9	S	36.2	35.0	34.6
100,000 lb or more	12.0	13.0	14.8	8.1	37.4	41.2	34.8	38.8	36.0	38.5
SCTG 28, Paper or paperboard articles	**8.3**	**11.2**	**13.4**	**13.1**	**8.6**	**14.6**	**19.6**	**14.5**	**17.3**	**17.3**
Less than 50 lb	21.5	19.6	29.3	13.9	18.1	16.3	18.0	20.9	23.3	24.6
50 to 99 lb	18.0	17.6	31.2	20.3	18.9	18.1	22.8	31.9	30.9	31.2
100 to 499 lb	13.6	12.7	20.3	22.8	16.4	15.8	16.3	23.0	21.8	24.3
500 to 749 lb	14.4	14.8	26.7	19.3	15.6	19.3	17.7	42.7	42.0	42.3
750 to 999 lb	32.8	20.2	30.8	22.4	49.5	25.4	29.1	29.0	33.6	34.5
1,000 to 9,999 lb	12.6	15.0	28.5	12.6	13.4	16.4	21.7	21.5	23.9	23.0
10,000 to 49,999 lb	10.7	12.9	11.8	10.1	24.6	23.5	27.1	18.6	20.4	20.9
50,000 to 99,999 lb	47.7	47.0	45.4	38.8	S	S	S	S	S	S
100,000 lb or more	S	S	42.7	27.7	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**11.9**	**9.1**	**9.9**	**23.6**	**13.3**	**23.0**	**17.3**	**14.0**	**23.2**	**22.3**
Less than 50 lb	22.3	16.2	22.8	26.5	16.0	28.6	30.7	29.8	18.6	18.9
50 to 99 lb	26.2	19.5	24.2	13.2	19.4	27.4	25.5	27.6	22.9	21.7
100 to 499 lb	19.9	30.7	26.2	20.3	24.7	39.6	39.9	25.8	27.7	27.2
500 to 749 lb	11.0	16.2	18.4	28.9	18.3	25.3	23.9	30.8	48.2	47.8
750 to 999 lb	20.8	21.5	25.9	28.9	29.6	34.4	26.8	29.4	32.3	31.7
1,000 to 9,999 lb	22.3	19.0	18.8	17.0	19.1	33.2	25.8	16.1	25.9	25.3
10,000 to 49,999 lb	10.3	10.9	14.2	8.7	18.6	20.5	18.7	45.9	33.5	33.8
50,000 to 99,999 lb	45.1	35.9	45.9	22.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.1	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**12.0**	**8.1**	**14.7**	**3.7**	**18.0**	**22.3**	**32.9**	**7.9**	**11.4**	**10.9**
Less than 50 lb	16.8	23.2	25.8	3.8	18.9	21.9	24.3	38.1	39.0	40.9
50 to 99 lb	13.7	16.8	20.1	7.2	26.9	35.0	29.8	S	S	S
100 to 499 lb	16.2	13.0	13.6	3.7	24.3	21.2	19.6	32.2	23.4	24.0
500 to 749 lb	15.4	15.3	15.0	8.0	40.6	36.6	27.2	33.3	31.9	32.4
750 to 999 lb	22.4	24.3	24.4	12.1	S	S	48.7	38.4	37.8	38.7
1,000 to 9,999 lb	20.1	19.7	28.5	7.0	22.3	29.2	23.2	14.0	14.6	12.1
10,000 to 49,999 lb	15.4	9.0	18.9	8.6	19.4	24.7	41.5	8.9	12.8	12.5
50,000 to 99,999 lb	40.4	S	46.3	21.8	–	–	–	S	S	S
100,000 lb or more	S	43.8	38.4	22.0	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**6.0**	**14.9**	**5.2**	**13.7**	**8.1**	**20.6**	**21.2**	**10.3**	**7.4**	**8.0**
Less than 50 lb	23.7	21.2	28.6	30.1	31.9	21.1	22.8	32.1	29.9	29.7
50 to 99 lb	21.4	20.4	26.9	18.4	23.4	18.9	24.7	36.4	35.2	35.3
100 to 499 lb	16.7	17.5	34.0	15.9	15.5	13.9	18.7	30.9	36.8	36.0
500 to 749 lb	33.1	17.8	47.9	16.6	21.3	18.1	17.8	39.8	49.6	S
750 to 999 lb	22.5	18.7	36.3	19.1	24.4	23.3	22.8	47.7	34.5	34.8
1,000 to 9,999 lb	13.8	10.3	12.7	16.0	12.9	12.0	14.1	25.9	23.4	22.9
10,000 to 49,999 lb	7.7	11.7	6.9	20.9	11.0	14.8	14.2	16.2	13.1	12.6
50,000 to 99,999 lb	16.5	17.4	14.6	12.0	17.2	24.3	33.2	22.3	17.2	18.2
100,000 lb or more	14.6	45.5	10.9	S	43.8	S	S	29.6	25.7	26.2
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**5.0**	**8.6**	**11.6**	**8.2**	**8.5**	**10.2**	**12.4**	**13.3**	**12.8**	**12.2**
Less than 50 lb	30.8	14.4	19.5	13.4	15.6	14.2	15.1	29.2	31.5	31.6
50 to 99 lb	15.8	18.1	15.9	11.3	17.4	17.0	24.0	34.8	30.6	32.8
100 to 499 lb	12.6	18.0	21.3	11.0	16.0	21.9	25.9	23.5	30.3	30.9
500 to 749 lb	15.9	14.8	19.3	12.0	21.5	17.8	25.5	30.9	27.0	26.6
750 to 999 lb	14.8	16.2	16.0	16.9	26.6	22.6	31.0	34.5	25.1	24.4
1,000 to 9,999 lb	6.9	10.6	9.4	9.4	17.1	16.3	19.9	20.4	20.3	19.9
10,000 to 49,999 lb	7.4	8.5	10.5	3.8	11.6	11.8	13.8	19.3	13.4	13.1
50,000 to 99,999 lb	13.6	17.8	27.5	23.9	22.3	21.9	23.9	23.5	40.6	40.8
100,000 lb or more	14.3	21.9	28.1	13.3	37.1	41.2	35.8	S	S	S
SCTG 33, Articles of base metal	**5.4**	**9.8**	**14.2**	**8.7**	**10.7**	**7.5**	**11.3**	**12.2**	**14.5**	**13.3**
Less than 50 lb	11.8	10.9	20.7	11.8	13.2	11.5	13.2	25.3	24.7	24.8
50 to 99 lb	9.3	7.2	15.2	14.3	11.4	10.4	11.6	23.3	18.5	16.0
100 to 499 lb	11.4	8.3	11.3	8.1	14.7	12.7	14.5	28.1	23.2	22.3
500 to 749 lb	15.8	10.0	14.1	8.9	17.8	16.1	17.7	23.2	17.2	16.0
750 to 999 lb	11.0	9.2	11.7	7.3	16.3	18.8	17.3	41.2	20.7	20.2
1,000 to 9,999 lb	9.4	7.0	7.7	5.8	18.7	9.3	8.7	20.0	19.2	20.6
10,000 to 49,999 lb	7.4	7.8	8.9	5.2	22.6	14.6	20.7	21.4	21.0	17.4
50,000 to 99,999 lb	44.0	40.0	S	17.3	42.4	34.1	46.5	S	48.0	47.3
100,000 lb or more	35.5	35.1	33.1	14.9	38.5	34.2	46.0	S	S	S
SCTG 34, Machinery	**12.1**	**9.1**	**8.2**	**6.1**	**10.7**	**13.5**	**12.2**	**14.6**	**14.2**	**13.8**
Less than 50 lb	10.5	10.8	13.2	7.2	15.9	13.7	16.8	22.7	21.2	20.0
50 to 99 lb	12.9	12.8	13.9	10.3	20.6	14.4	18.9	42.3	39.2	38.6
100 to 499 lb	8.9	9.3	10.2	9.1	14.8	16.9	17.4	20.8	16.3	17.6
500 to 749 lb	11.0	10.5	14.3	8.3	16.5	19.5	18.3	30.9	27.0	27.6
750 to 999 lb	15.5	13.3	18.3	8.4	25.0	22.1	29.5	34.5	31.2	30.7
1,000 to 9,999 lb	10.0	11.3	13.5	6.5	21.7	21.1	17.8	17.8	21.8	22.0
10,000 to 49,999 lb	22.9	13.1	11.3	5.5	20.1	21.3	18.9	19.3	18.9	17.5
50,000 to 99,999 lb	21.2	32.5	43.8	15.5	42.2	41.3	S	44.8	48.8	S
100,000 lb or more	46.9	44.5	44.0	30.9	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**6.6**	**6.7**	**8.7**	**10.1**	**11.7**	**18.7**	**22.6**	**15.0**	**15.9**	**13.9**
Less than 50 lb	8.2	9.8	23.3	11.3	12.4	13.7	16.9	21.9	15.2	15.3
50 to 99 lb	10.0	12.1	12.7	12.3	12.3	20.5	21.4	S	27.4	30.0
100 to 499 lb	9.3	12.9	14.6	11.3	16.5	25.1	27.1	23.5	25.0	25.4
500 to 749 lb	17.0	12.2	16.6	8.9	23.8	19.9	20.9	31.5	39.8	36.9
750 to 999 lb	20.2	11.7	16.8	6.2	49.2	32.6	28.9	27.2	28.6	26.4
1,000 to 9,999 lb	14.4	10.9	11.5	6.2	42.1	17.5	26.3	21.9	19.9	19.3
10,000 to 49,999 lb	12.0	8.9	10.8	5.5	24.6	29.7	34.6	25.4	25.9	21.8
50,000 to 99,999 lb	40.9	30.2	39.3	21.1	S	S	S	S	S	S
100,000 lb or more	45.4	49.5	42.1	24.7	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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)	**13.4**	**11.2**	**14.1**	**13.4**	**26.8**	**20.5**	**19.9**	**16.7**	**18.5**	**18.8**
Less than 50 lb	13.6	16.7	21.5	18.7	14.4	22.6	20.6	23.3	30.0	27.3
50 to 99 lb	15.0	15.2	16.7	14.5	18.7	20.2	20.8	25.6	22.9	23.8
100 to 499 lb	10.2	10.3	11.5	12.8	12.5	15.4	23.5	16.4	21.6	21.6
500 to 749 lb	14.7	12.7	13.8	13.2	31.5	21.9	24.6	35.3	40.0	40.7
750 to 999 lb	17.4	12.0	13.8	16.2	33.4	33.0	28.1	30.6	28.4	31.2
1,000 to 9,999 lb	20.7	21.0	29.4	11.5	35.2	31.7	18.2	32.3	27.7	25.5
10,000 to 49,999 lb	14.9	13.9	14.9	7.1	22.9	38.2	41.3	29.0	30.1	32.1
50,000 to 99,999 lb	35.5	34.2	S	27.3	S	S	46.0	S	S	S
100,000 lb or more	41.0	S	S	21.9	S	42.5	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**14.5**	**16.6**	**16.8**	**9.9**	**S**	**44.0**	**49.6**	**S**	**S**	**S**
Less than 50 lb	34.5	49.3	32.2	19.5	S	S	S	S	S	S
50 to 99 lb	31.5	S	33.6	19.7	S	S	S	S	S	S
100 to 499 lb	35.5	S	S	11.7	S	S	S	S	S	S
500 to 749 lb	39.4	18.4	22.6	13.7	–	–	–	–	–	–
750 to 999 lb	29.6	26.9	33.0	15.9	S	S	S	–	–	–
1,000 to 9,999 lb	20.3	18.8	21.3	8.3	44.0	S	47.0	S	S	S
10,000 to 49,999 lb	27.6	22.7	23.4	13.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	47.3	18.9	S	S	S	–	–	–
100,000 lb or more	15.9	34.3	34.1	18.3	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**16.5**	**19.5**	**23.6**	**7.4**	**35.2**	**32.6**	**37.3**	**28.8**	**30.0**	**30.4**
Less than 50 lb	23.0	26.7	37.3	7.8	26.0	21.0	27.4	28.5	38.4	37.6
50 to 99 lb	35.9	18.1	20.6	10.2	S	S	S	44.7	39.7	41.4
100 to 499 lb	24.6	19.0	26.6	18.2	S	42.5	45.9	S	44.0	42.6
500 to 749 lb	S	21.6	24.6	12.0	49.1	S	S	42.7	S	S
750 to 999 lb	31.6	31.7	43.7	19.3	S	S	S	S	S	S
1,000 to 9,999 lb	25.4	30.1	37.2	12.4	47.6	49.7	S	S	S	S
10,000 to 49,999 lb	39.2	S	S	18.4	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**8.7**	**13.5**	**12.5**	**8.7**	**21.2**	**38.5**	**32.3**	**14.3**	**16.2**	**15.9**
Less than 50 lb	23.3	37.7	17.4	21.7	38.8	S	33.8	37.7	35.2	33.6
50 to 99 lb	20.7	25.0	18.2	15.7	37.7	48.6	34.2	37.6	24.6	22.9
100 to 499 lb	9.4	9.7	11.1	6.0	19.9	23.4	17.3	32.8	22.4	23.0
500 to 749 lb	9.8	9.2	11.8	9.2	24.4	24.1	24.7	22.6	24.8	24.6
750 to 999 lb	14.1	12.5	14.4	10.1	39.1	40.6	34.5	37.3	44.4	45.2
1,000 to 9,999 lb	10.8	15.7	14.0	7.0	39.2	S	46.3	15.1	19.2	20.2
10,000 to 49,999 lb	14.1	16.2	14.4	6.7	40.2	44.6	35.6	34.2	35.0	30.2
50,000 to 99,999 lb	41.1	S	S	21.1	–	–	–	–	–	–
100,000 lb or more	S	S	S	21.8	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**11.1**	**15.5**	**9.7**	**7.0**	**16.4**	**29.6**	**31.5**	**42.3**	**39.4**	**39.2**
Less than 50 lb	8.6	10.7	11.0	7.8	15.1	18.0	18.6	20.9	23.0	24.4
50 to 99 lb	14.5	17.9	11.1	8.8	14.8	24.6	25.4	34.6	44.7	43.1
100 to 499 lb	9.8	20.8	36.9	7.2	16.9	20.8	25.4	19.1	22.4	21.4
500 to 749 lb	22.8	12.4	14.0	8.3	25.4	23.4	22.6	25.8	22.1	23.3
750 to 999 lb	17.7	12.4	15.1	12.0	33.1	28.0	24.1	40.8	35.8	35.8
1,000 to 9,999 lb	9.5	7.5	8.1	9.5	22.9	15.9	17.6	33.5	18.8	19.8
10,000 to 49,999 lb	24.8	19.7	11.4	7.6	35.0	33.1	35.1	S	S	S
50,000 to 99,999 lb	17.2	34.6	34.0	17.7	36.7	S	S	35.2	38.4	35.9
100,000 lb or more	29.6	31.6	39.1	15.8	S	S	S	S	S	S
SCTG 41, Waste and scrap	**15.4**	**16.5**	**22.8**	**12.9**	**13.4**	**14.3**	**15.4**	**26.3**	**31.1**	**29.6**
Less than 50 lb	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	28.9	49.9	S	28.3	41.7	S	32.9	S	S	S
500 to 749 lb	S	S	S	36.6	S	S	S	–	–	–
750 to 999 lb	49.3	49.4	S	26.8	44.9	S	42.4	S	S	S
1,000 to 9,999 lb	23.8	29.5	S	11.3	27.4	27.2	37.4	36.7	36.0	33.7
10,000 to 49,999 lb	13.1	17.9	18.6	9.9	14.5	16.2	23.8	35.6	43.8	43.1
50,000 to 99,999 lb	21.8	20.9	26.7	S	30.3	28.6	28.4	25.2	24.6	25.7
100,000 lb or more	27.8	22.1	28.6	10.7	22.8	22.1	29.9	36.4	40.3	45.9
SCTG 43, Mixed freight	**17.8**	**11.1**	**10.4**	**15.3**	**17.9**	**16.1**	**18.7**	**22.7**	**13.9**	**13.9**
Less than 50 lb	19.4	21.3	26.1	24.1	20.5	24.3	26.4	38.6	30.2	31.1
50 to 99 lb	30.1	33.1	28.3	40.1	32.9	37.1	45.3	44.5	49.8	46.1
100 to 499 lb	20.5	24.3	25.8	20.4	25.3	29.1	31.5	32.7	38.3	40.7
500 to 749 lb	21.9	28.1	41.6	18.6	30.0	36.6	39.0	35.2	26.2	26.8
750 to 999 lb	39.1	30.4	34.5	27.1	23.6	32.1	38.7	S	S	48.5
1,000 to 9,999 lb	30.7	19.4	22.5	11.3	36.4	33.6	41.9	34.4	20.1	19.2
10,000 to 49,999 lb	13.5	12.9	12.1	15.9	17.2	16.3	16.9	19.6	16.5	16.2
50,000 to 99,999 lb	S	S	S	27.7	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.3	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
Commodity unknown	**33.8**	**S**	**S**	**17.2**	**S**	**47.3**	**43.4**	**S**	**29.7**	**29.7**
Less than 50 lb	24.2	31.8	30.6	31.3	40.4	S	S	36.3	47.0	44.2
50 to 99 lb	49.9	34.1	39.1	32.9	31.5	43.2	S	S	S	S
100 to 499 lb	25.9	38.0	32.1	38.1	43.5	S	S	44.2	38.7	37.3
500 to 749 lb	35.6	29.7	37.8	25.6	47.0	42.4	48.3	S	S	S
750 to 999 lb	S	S	S	20.8	S	S	S	S	S	S
1,000 to 9,999 lb	40.3	30.1	28.6	21.2	S	43.1	36.6	S	S	S
10,000 to 49,999 lb	S	49.6	S	29.2	S	S	S	S	37.0	36.6
50,000 to 99,999 lb	S	S	S	20.1	S	S	S	S	S	S
100,000 lb or more	S	S	42.3	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
All commodities	**5.1**	**8.2**	**10.2**	**5.7**	**16.0**	**17.6**	**3.4**	**11.0**	**14.7**	**4.7**	**8.5**	**9.3**
Less than 50 lb	9.2	6.1	6.5	6.9	7.5	7.4	7.2	7.7	7.7	10.8	9.6	9.7
50 to 99 lb	9.1	8.2	7.2	9.5	8.9	8.7	8.2	7.9	7.8	16.4	13.2	13.1
100 to 499 lb	9.1	8.0	8.1	8.8	8.6	8.7	10.1	9.4	9.3	8.1	5.4	5.5
500 to 749 lb	8.5	18.9	18.9	8.3	9.4	8.1	13.6	5.3	5.6	14.3	9.9	9.8
750 to 999 lb	8.7	7.4	8.0	10.0	6.4	7.1	11.9	7.8	7.8	22.0	14.6	15.1
1,000 to 9,999 lb	11.0	4.7	4.4	9.4	6.3	6.6	12.3	8.5	9.2	15.4	11.2	11.9
10,000 to 49,999 lb	5.9	6.9	7.7	10.0	3.8	3.8	4.4	3.5	3.7	4.2	3.9	3.8
50,000 to 99,999 lb	15.2	11.3	15.1	13.1	S	S	16.9	29.3	32.0	30.3	18.5	18.4
100,000 lb or more	13.6	14.3	15.6	15.6	20.4	25.2	8.7	18.1	22.3	16.9	19.9	20.4
SCTG 01, Live animals and live fish	**37.7**	**40.0**	**39.9**	**47.5**	**49.4**	**S**	**S**	**S**	**S**	**45.4**	**44.4**	**43.5**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	38.8	39.1	37.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.4	39.6	37.6	47.0	47.6	49.7	48.2	48.3	S	48.7	47.4	46.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 02, Cereal grains	**45.2**	**48.8**	**49.3**	**33.6**	**34.7**	**35.6**	**46.3**	**48.9**	**48.3**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	40.0	42.4	43.6	S	47.6	48.7	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	36.6	36.6	39.9	S	S	S	–	–	–
100,000 lb or more	S	S	S	36.6	37.7	38.4	S	S	S	–	–	–
SCTG 03, Other agricultural products	**24.7**	**24.2**	**24.9**	**30.5**	**48.4**	**S**	**31.7**	**48.4**	**47.4**	**S**	**S**	**S**
Less than 50 lb	42.4	40.1	40.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	32.5	32.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	32.1	34.9	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	31.3	34.1	S	S	S	S	S	S	–	–	–
750 to 999 lb	37.6	29.0	28.3	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	35.3	35.1	37.2	39.9	46.0	42.7	S	40.4	40.7	S	S	S
10,000 to 49,999 lb	24.4	28.2	30.4	28.8	28.4	28.0	46.9	35.7	36.0	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	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**22.7**	**23.0**	**22.6**	**23.4**	**24.5**	**24.3**	**29.0**	**S**	**S**	**32.4**	**32.0**	**31.5**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	36.4	S	43.8	S	S	S	45.5	40.0	40.6	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	22.5	24.0	24.3	43.6	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.3	34.5	33.4	32.4	36.6	36.1	33.0	35.4	35.8	37.7	37.8	37.7
50,000 to 99,999 lb	23.7	22.4	23.4	37.3	38.1	39.8	36.3	41.7	43.8	S	49.8	49.3
100,000 lb or more	33.4	31.4	32.6	S	47.5	47.5	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**20.7**	**18.0**	**20.2**	**13.4**	**13.7**	**13.6**	**17.3**	**15.4**	**15.2**	**19.1**	**20.6**	**20.5**
Less than 50 lb	21.9	24.4	32.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	30.0	36.4	36.3	35.9	36.1	35.0	S	48.9	49.8	S	S	S
100 to 499 lb	19.6	19.7	21.2	29.9	38.6	34.0	36.4	28.0	27.6	40.3	41.7	42.4
500 to 749 lb	S	S	S	46.1	S	S	31.5	25.8	25.5	41.9	49.7	50.0
750 to 999 lb	27.1	31.5	36.6	40.7	36.8	34.4	29.8	29.9	30.1	45.7	46.7	46.5
1,000 to 9,999 lb	12.3	12.1	12.0	13.8	15.1	15.2	18.9	20.8	22.0	32.0	18.9	18.4
10,000 to 49,999 lb	20.8	19.9	20.2	16.2	15.0	15.1	20.7	17.3	17.2	24.2	21.8	21.9
50,000 to 99,999 lb	S	S	S	S	43.4	46.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**15.5**	**15.4**	**15.5**	**18.7**	**17.7**	**17.8**	**22.0**	**18.4**	**18.2**	**17.2**	**22.0**	**24.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	41.4	49.9	48.5	34.2	32.6	32.1	S	S	S	S	S	S
500 to 749 lb	43.4	40.6	40.6	37.1	45.1	43.6	42.7	41.2	41.1	S	S	S
750 to 999 lb	38.3	44.2	42.8	47.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	24.9	27.5	30.7	40.0	44.2	44.2	35.8	37.2	37.0	31.2	24.0	24.7
10,000 to 49,999 lb	17.2	14.5	16.5	20.4	19.1	19.4	21.2	19.1	19.4	22.4	21.3	21.5
50,000 to 99,999 lb	32.4	39.5	37.8	25.3	31.6	32.0	S	S	S	S	S	S
100,000 lb or more	39.5	39.7	40.5	40.4	39.3	39.3	49.3	44.3	42.5	43.7	49.6	49.7

See footnotes at end of table.

Table B–10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the 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	**10.9**	**16.6**	**17.7**	**10.7**	**16.4**	**17.2**	**14.4**	**22.1**	**25.2**	**23.5**	**28.0**	**27.9**
Less than 50 lb	43.0	30.9	27.8	S	36.7	41.0	47.7	47.5	46.9	S	S	S
50 to 99 lb	43.6	45.4	43.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	21.3	22.9	23.3	S	43.9	43.1	36.8	S	S	39.3	45.1	48.4
500 to 749 lb	S	S	S	35.8	39.8	39.8	S	44.6	43.6	S	S	S
750 to 999 lb	28.3	26.7	27.6	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	12.7	11.7	11.4	21.0	19.1	19.0	18.7	18.7	19.0	28.6	30.2	30.1
10,000 to 49,999 lb	14.1	17.3	18.7	15.1	23.3	21.4	19.6	24.0	26.5	17.7	19.7	20.5
50,000 to 99,999 lb	34.0	34.1	34.7	37.4	38.6	40.7	S	S	S	S	S	S
100,000 lb or more	34.1	34.1	32.8	25.9	27.2	29.3	34.5	38.4	41.6	S	46.3	44.6
SCTG 08, Alcoholic beverages	**21.4**	**22.3**	**24.6**	**32.0**	**35.9**	**35.7**	**26.3**	**24.5**	**24.5**	**36.1**	**48.6**	**48.1**
Less than 50 lb	S	S	47.6	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	25.4	28.8	26.6	44.1	S	S	48.8	S	S	S	S	S
500 to 749 lb	44.9	49.5	S	S	S	S	S	40.9	40.7	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	48.2	49.2	S	S	S
1,000 to 9,999 lb	37.5	31.9	32.9	46.7	41.6	43.1	38.3	35.2	35.4	38.4	29.0	28.8
10,000 to 49,999 lb	24.6	23.6	25.5	31.5	35.8	35.9	27.4	26.2	25.5	33.6	44.2	43.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 09, Tobacco products	**22.9**	**29.5**	**29.7**	**32.4**	**22.8**	**24.1**	**32.5**	**25.7**	**25.8**	**S**	**45.8**	**46.1**
Less than 50 lb	32.2	24.2	23.1	39.3	49.0	49.4	45.4	39.7	40.9	48.1	43.0	42.5
50 to 99 lb	38.6	35.2	34.4	S	S	S	42.8	45.6	46.6	S	S	S
100 to 499 lb	22.2	19.4	19.2	33.9	42.2	41.4	36.8	30.7	30.6	48.1	S	S
500 to 749 lb	32.2	45.0	48.7	42.2	41.6	41.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	47.9	49.8	S	S	S	S	S	S
1,000 to 9,999 lb	36.1	34.7	37.7	39.1	36.7	37.6	39.0	44.9	44.1	S	S	S
10,000 to 49,999 lb	S	S	S	46.2	33.2	33.8	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**43.4**	**43.4**	**45.1**	**S**	**44.7**	**44.5**	**S**	**42.8**	**44.2**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S	S	S	S
100 to 499 lb	–	–	–	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	44.9	44.7	45.5	S	41.1	44.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 11, Natural sands	**37.9**	**S**	**S**	**38.7**	**43.5**	**42.9**	**S**	**45.1**	**45.1**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	48.2	S	S	47.3	39.4	38.2	S	47.5	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	47.8	46.0	45.5	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**20.8**	**23.3**	**24.0**	**33.1**	**34.0**	**37.6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	40.6	41.2	41.0	–	–	–	–	–	–
10,000 to 49,999 lb	34.0	38.3	40.1	35.9	39.2	37.3	S	S	S	S	S	S
50,000 to 99,999 lb	35.9	40.9	39.0	S	S	S	–	–	–	–	–	–
100,000 lb or more	39.7	43.5	44.1	38.2	39.8	42.8	48.3	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**26.7**	**27.8**	**19.6**	**25.5**	**27.1**	**23.0**	**31.1**	**33.6**	**22.0**	**24.3**	**24.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	31.8	32.8	32.5	S	31.2	31.2	32.4	S	S	S	S	S
10,000 to 49,999 lb	S	35.1	32.7	29.1	20.7	19.0	23.1	15.8	15.9	25.3	20.4	20.2
50,000 to 99,999 lb	43.3	35.4	34.3	44.6	45.2	41.4	S	45.0	45.4	S	S	S
100,000 lb or more	S	48.5	S	37.5	32.6	33.4	38.2	41.3	42.9	29.0	26.6	27.1

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**32.3**	**S**	**47.3**	**41.2**	**41.0**	**46.3**	**36.6**	**40.2**	**39.2**	**49.8**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	48.7	S	S	47.7	49.6	49.7	S	S	S
10,000 to 49,999 lb	S	S	S	49.0	39.3	38.8	42.1	43.3	42.0	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	37.4	36.2	32.4	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**15.7**	**16.7**	**17.9**	**25.2**	**25.9**	**26.8**	**29.8**	**34.3**	**40.3**	**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	49.7	44.0	49.6	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	36.3	37.7	40.9	43.5	44.4	45.2	S	S	S	–	–	–
100,000 lb or more	16.3	17.0	17.7	27.1	27.6	28.7	34.1	38.4	44.8	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**30.3**	**31.8**	**36.6**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	25.2	24.6	25.6	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	22.4	21.9	20.4	46.6	41.4	41.2	S	S	S	S	S	S
100,000 lb or more	36.7	36.6	41.0	S	S	S	S	S	S	–	–	–
SCTG 18, Fuel oils	**47.2**	**45.8**	**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	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	48.2	49.6	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	31.0	40.0	46.5	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	23.6	24.4	29.2	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**19.0**	**22.3**	**22.5**	**15.7**	**15.8**	**16.7**	**22.1**	**15.6**	**16.2**	**43.0**	**22.2**	**22.3**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	34.4	49.4	45.1	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	49.4	47.0	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	27.5	23.4	23.0	23.6	26.5	28.5	36.4	32.7	33.0	39.9	26.7	27.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	40.1	40.6	32.9	26.7	20.5	20.6	27.5	19.4	20.1	42.4	37.2	36.9
SCTG 20, Basic chemicals	**15.9**	**16.0**	**16.7**	**16.9**	**35.2**	**38.3**	**11.4**	**16.8**	**15.6**	**24.4**	**33.3**	**34.7**
Less than 50 lb	S	S	S	S	49.9	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	33.7	23.3	23.3	34.8	22.4	23.0	S	38.6	40.3	S	37.6	38.1
500 to 749 lb	22.0	S	S	36.5	32.6	32.5	48.5	37.0	37.8	S	S	S
750 to 999 lb	45.6	S	S	36.0	28.9	30.2	47.6	33.6	34.2	46.7	S	S
1,000 to 9,999 lb	27.5	21.7	21.9	36.2	17.5	18.1	39.2	27.1	27.2	29.8	46.2	47.5
10,000 to 49,999 lb	19.9	19.4	20.0	10.0	10.4	10.7	17.6	12.9	13.4	27.4	18.1	17.7
50,000 to 99,999 lb	28.8	22.2	24.2	32.0	32.2	33.0	S	S	S	S	S	S
100,000 lb or more	20.1	21.4	20.4	35.7	49.7	S	18.1	23.3	21.4	40.2	S	S
SCTG 21, Pharmaceutical products	**16.4**	**22.7**	**18.7**	**20.6**	**S**	**48.3**	**22.0**	**26.7**	**28.0**	**28.9**	**S**	**S**
Less than 50 lb	23.0	22.3	22.7	21.2	20.9	21.5	32.4	30.1	29.5	29.4	35.4	36.0
50 to 99 lb	34.8	25.4	26.1	S	25.8	24.6	47.3	36.2	35.5	S	S	S
100 to 499 lb	32.7	28.6	28.9	32.5	25.8	24.9	39.4	31.4	32.0	39.6	38.2	38.4
500 to 749 lb	45.2	36.4	38.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	33.9	32.5	37.4	S	S	S	S	39.5	38.9	S	S	S
10,000 to 49,999 lb	S	39.3	38.1	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	**31.7**	**30.0**	**28.9**	**30.8**	**38.7**	**37.6**	**42.7**	**49.3**	**48.3**	**40.1**	**47.2**	**45.8**
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	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	48.3	S	S	48.6	46.4	S	S	S	S	S	S	S
10,000 to 49,999 lb	36.1	41.3	40.5	40.7	S	S	S	S	S	45.8	S	S
50,000 to 99,999 lb	45.1	44.5	48.0	38.3	37.7	36.8	S	S	S	–	–	–
100,000 lb or more	33.5	31.6	32.0	42.4	S	40.9	S	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**11.7**	**12.9**	**13.6**	**25.4**	**30.6**	**33.6**	**15.5**	**18.7**	**18.4**	**19.1**	**25.1**	**26.0**
Less than 50 lb	49.6	34.1	34.2	S	39.5	45.0	40.7	S	S	34.0	30.7	31.0
50 to 99 lb	32.8	35.9	37.3	S	S	S	44.2	S	S	43.9	S	S
100 to 499 lb	42.6	30.6	27.6	28.9	37.1	40.7	36.2	S	S	30.1	24.2	24.0
500 to 749 lb	33.1	29.1	30.2	27.8	22.3	21.8	36.7	26.2	26.0	30.3	24.3	24.1
750 to 999 lb	26.1	33.5	28.4	30.9	30.7	30.5	44.6	47.8	49.0	49.4	S	S
1,000 to 9,999 lb	18.0	19.3	19.5	11.0	13.1	13.1	16.4	15.6	15.1	22.5	19.0	19.1
10,000 to 49,999 lb	15.5	16.0	16.7	26.8	27.0	28.3	19.4	22.3	22.0	20.5	25.2	26.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**6.1**	**8.6**	**7.9**	**13.7**	**9.4**	**8.9**	**10.0**	**17.5**	**17.0**	**16.4**	**26.7**	**28.5**
Less than 50 lb	27.8	12.5	13.2	21.7	18.8	19.0	30.7	13.0	13.0	49.1	19.0	19.8
50 to 99 lb	28.5	18.4	18.7	35.5	15.2	16.4	35.0	20.2	19.8	47.0	26.3	26.2
100 to 499 lb	18.2	15.2	17.0	20.0	12.7	11.9	20.7	11.6	11.6	26.1	23.0	22.8
500 to 749 lb	29.9	17.7	15.0	23.5	12.3	13.2	25.2	13.3	12.8	38.2	40.5	37.5
750 to 999 lb	17.8	18.1	19.6	22.7	23.0	22.1	30.3	17.3	17.9	27.2	31.5	31.7
1,000 to 9,999 lb	8.8	11.7	11.3	10.5	10.2	10.0	8.1	12.5	12.3	18.9	21.4	21.6
10,000 to 49,999 lb	10.2	13.3	11.6	20.1	11.3	10.7	14.1	20.6	20.1	11.6	10.2	10.1
50,000 to 99,999 lb	S	S	S	48.0	S	S	S	S	S	S	S	S
100,000 lb or more	42.6	41.8	45.0	23.3	23.3	26.3	29.5	28.1	27.6	S	S	S
SCTG 25, Logs and other wood in the rough	**20.6**	**30.6**	**32.3**	**32.4**	**25.7**	**26.9**	**S**	**S**	**S**	**40.1**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	48.3	S	S	S	S	S	S	46.6	44.9	45.9	45.6	45.7
10,000 to 49,999 lb	21.3	30.2	36.7	42.1	25.1	27.0	S	S	S	32.9	34.7	35.4
50,000 to 99,999 lb	34.4	34.0	35.3	S	S	S	S	S	S	S	S	S
100,000 lb or more	46.7	S	S	49.7	35.4	32.5	S	S	S	S	S	S
SCTG 26, Wood products	**7.3**	**32.1**	**47.1**	**5.4**	**5.6**	**5.2**	**8.5**	**8.3**	**8.2**	**17.6**	**18.3**	**17.3**
Less than 50 lb	28.0	29.7	30.0	39.3	31.3	32.4	S	43.5	44.9	39.8	37.7	38.4
50 to 99 lb	28.0	32.3	31.0	38.8	49.8	S	S	34.5	35.3	41.8	45.3	43.7
100 to 499 lb	17.4	17.3	16.4	35.9	23.4	22.6	35.2	34.0	33.8	32.9	23.3	23.7
500 to 749 lb	34.0	30.6	29.8	40.1	32.0	30.8	43.9	41.8	42.2	S	43.8	43.2
750 to 999 lb	23.2	24.7	24.6	S	49.4	S	S	45.7	46.8	41.1	44.3	45.5
1,000 to 9,999 lb	12.1	15.0	14.2	17.0	14.7	15.3	18.2	12.7	12.7	38.2	31.4	31.3
10,000 to 49,999 lb	6.3	7.4	7.5	7.5	8.0	7.6	11.6	10.6	10.5	28.9	35.0	34.3
50,000 to 99,999 lb	20.2	20.0	19.3	12.4	11.4	11.0	28.6	26.5	26.6	37.8	37.0	36.1
100,000 lb or more	S	S	S	8.6	9.7	10.3	11.1	12.9	12.4	18.9	18.4	18.7
SCTG 27, Pulp, newsprint, paper, and paperboard	**15.3**	**21.0**	**22.2**	**12.5**	**14.1**	**15.3**	**14.5**	**12.4**	**12.5**	**15.8**	**24.5**	**26.5**
Less than 50 lb	31.9	27.5	29.3	45.1	30.4	30.9	45.6	36.2	34.5	S	S	S
50 to 99 lb	42.2	39.2	37.5	43.7	39.5	36.2	47.7	45.2	47.0	S	48.4	48.5
100 to 499 lb	22.3	19.8	18.4	44.2	42.8	40.3	S	38.1	36.6	S	S	S
500 to 749 lb	32.5	39.8	34.2	S	46.6	42.5	44.3	41.6	41.8	S	S	50.0
750 to 999 lb	S	S	S	S	S	49.3	41.6	40.9	39.6	S	S	S
1,000 to 9,999 lb	21.9	28.0	31.2	36.6	22.0	24.6	S	48.3	49.3	31.2	21.5	20.4
10,000 to 49,999 lb	14.9	18.3	19.5	14.0	14.0	14.1	12.5	12.3	12.3	13.2	14.1	14.0
50,000 to 99,999 lb	47.6	S	S	25.5	35.8	35.6	39.9	S	49.2	S	S	S
100,000 lb or more	30.6	26.5	27.2	18.8	19.3	20.2	15.6	14.4	14.3	26.0	34.4	36.4
SCTG 28, Paper or paperboard articles	**16.0**	**18.1**	**18.6**	**10.1**	**11.7**	**11.4**	**16.4**	**17.8**	**18.7**	**22.0**	**23.1**	**23.5**
Less than 50 lb	23.8	26.2	26.4	30.6	32.2	31.9	33.8	34.8	34.9	45.5	43.8	42.8
50 to 99 lb	27.2	28.5	29.5	44.5	38.4	40.2	S	S	S	S	S	S
100 to 499 lb	24.8	23.9	26.0	47.0	37.1	39.8	40.8	37.3	37.7	35.5	34.9	34.5
500 to 749 lb	31.8	32.0	28.7	36.7	31.2	31.9	43.0	39.1	39.9	S	S	S
750 to 999 lb	S	44.9	40.3	48.2	37.1	40.4	49.6	S	S	S	S	S
1,000 to 9,999 lb	23.8	25.4	24.9	22.3	27.7	27.9	31.1	47.0	48.9	38.0	37.4	39.4
10,000 to 49,999 lb	21.5	19.4	20.8	10.8	11.1	10.7	16.8	15.3	15.9	25.5	24.0	24.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

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	**38.4**	**12.6**	**12.4**	**17.2**	**11.7**	**11.3**	**18.1**	**12.7**	**13.7**	**14.7**	**14.5**	**14.0**
Less than 50 lb	21.1	17.8	20.6	23.7	25.6	25.8	30.5	24.4	24.6	31.7	28.0	27.9
50 to 99 lb	S	45.8	42.2	32.3	31.0	30.9	38.8	30.9	31.1	S	42.5	41.0
100 to 499 lb	34.8	24.4	26.9	30.5	33.1	34.7	47.2	41.1	40.9	29.4	21.9	23.0
500 to 749 lb	47.4	33.5	29.9	33.7	24.1	24.2	38.0	26.6	26.7	S	45.9	45.6
750 to 999 lb	42.7	31.9	33.2	30.8	17.0	17.2	49.9	47.0	46.8	47.5	S	S
1,000 to 9,999 lb	S	37.9	37.0	31.3	12.0	11.9	29.4	36.1	40.2	20.5	18.5	18.1
10,000 to 49,999 lb	10.4	12.3	14.9	16.7	18.5	18.0	31.7	16.1	16.1	19.8	21.2	20.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**10.5**	**9.1**	**9.9**	**15.4**	**12.6**	**11.9**	**21.3**	**14.4**	**14.8**	**15.4**	**13.6**	**12.5**
Less than 50 lb	17.4	19.7	18.9	17.3	22.3	22.2	20.6	26.8	27.4	21.9	29.1	29.5
50 to 99 lb	22.0	18.6	17.7	18.4	27.8	26.0	20.1	20.5	20.5	46.1	34.0	34.1
100 to 499 lb	19.1	20.0	19.7	27.2	21.2	22.1	22.5	15.9	16.3	25.2	24.1	23.5
500 to 749 lb	17.6	23.1	23.7	31.0	26.9	26.3	18.1	15.9	15.7	S	37.2	37.4
750 to 999 lb	S	43.8	36.8	34.0	35.1	40.4	43.8	37.8	34.8	35.1	42.0	45.6
1,000 to 9,999 lb	27.4	18.4	20.2	28.2	24.7	23.7	40.1	38.5	38.7	36.2	37.4	35.0
10,000 to 49,999 lb	11.7	11.1	11.5	12.9	13.6	12.7	32.5	16.7	17.5	11.2	11.2	11.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 31, Nonmetallic mineral products	**12.4**	**9.1**	**10.5**	**13.6**	**12.7**	**13.3**	**17.6**	**13.6**	**14.0**	**18.7**	**15.4**	**15.3**
Less than 50 lb	39.0	35.8	34.2	39.7	37.3	35.6	45.5	S	49.9	32.3	38.0	37.9
50 to 99 lb	39.5	33.5	32.3	44.5	39.2	41.3	47.3	S	49.0	47.0	48.9	S
100 to 499 lb	25.2	27.3	25.7	35.9	26.4	27.7	42.2	S	S	39.4	50.0	S
500 to 749 lb	40.7	25.4	29.9	S	38.6	39.4	44.3	S	S	S	S	S
750 to 999 lb	46.1	41.8	38.3	36.5	35.2	33.7	40.4	S	49.9	S	S	S
1,000 to 9,999 lb	22.4	20.5	20.0	25.2	20.3	19.7	34.6	26.1	26.4	38.1	29.6	30.5
10,000 to 49,999 lb	15.2	8.3	9.1	15.6	14.9	15.3	9.1	10.9	10.8	16.9	18.4	18.1
50,000 to 99,999 lb	13.1	14.6	14.8	26.5	27.1	26.1	S	49.3	49.7	–	–	–
100,000 lb or more	17.5	21.0	23.2	25.7	22.2	22.2	45.9	47.0	47.4	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**7.7**	**15.3**	**21.4**	**7.9**	**10.4**	**11.4**	**11.4**	**14.3**	**14.3**	**14.2**	**15.2**	**15.1**
Less than 50 lb	20.6	34.1	35.5	29.1	23.7	22.4	S	29.0	28.5	S	45.0	43.7
50 to 99 lb	44.3	38.9	37.4	20.5	24.6	23.8	31.5	19.7	19.3	32.1	38.7	39.0
100 to 499 lb	24.3	22.6	22.5	19.1	22.2	23.3	18.5	26.2	24.1	S	31.9	30.7
500 to 749 lb	37.8	27.2	29.4	20.3	30.9	33.2	27.4	18.9	18.1	29.0	29.5	29.9
750 to 999 lb	35.9	30.2	29.4	31.8	35.0	36.3	29.6	25.1	25.4	30.7	25.8	25.9
1,000 to 9,999 lb	16.2	16.0	17.2	10.7	11.3	11.4	15.7	14.6	14.6	24.4	30.9	29.1
10,000 to 49,999 lb	9.0	8.2	8.4	10.2	10.3	10.4	14.1	17.4	18.0	14.6	12.0	12.4
50,000 to 99,999 lb	31.6	20.2	18.8	26.1	34.1	34.9	38.6	39.9	40.2	S	S	S
100,000 lb or more	28.5	S	S	22.8	25.7	26.3	20.7	16.9	16.6	42.2	36.5	35.3
SCTG 33, Articles of base metal	**7.1**	**13.6**	**16.3**	**8.2**	**13.0**	**12.7**	**10.3**	**24.2**	**23.9**	**12.0**	**28.4**	**34.9**
Less than 50 lb	19.2	18.7	15.9	18.5	19.3	20.5	22.2	21.3	21.7	24.4	35.2	35.5
50 to 99 lb	19.4	14.8	14.2	19.5	11.5	12.6	24.0	18.1	17.8	26.7	24.0	23.8
100 to 499 lb	17.4	7.8	8.0	18.4	9.7	9.4	16.6	12.9	12.6	21.9	19.1	18.5
500 to 749 lb	26.7	17.1	17.4	32.9	16.8	16.4	20.8	20.5	21.0	39.2	39.1	37.4
750 to 999 lb	20.8	14.8	13.7	17.8	14.3	14.7	18.1	18.2	17.8	45.5	23.0	22.6
1,000 to 9,999 lb	12.4	11.3	11.2	13.5	11.8	12.2	9.6	9.5	9.8	23.4	12.7	13.1
10,000 to 49,999 lb	11.9	13.3	13.1	9.1	11.9	12.5	9.4	13.4	13.3	15.1	18.1	18.8
50,000 to 99,999 lb	S	S	S	46.8	49.0	47.8	S	S	S	S	48.2	48.7
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	49.7	S
SCTG 34, Machinery	**12.3**	**16.1**	**15.1**	**33.9**	**23.3**	**25.3**	**10.4**	**8.7**	**9.5**	**10.5**	**12.5**	**12.0**
Less than 50 lb	16.8	27.3	33.1	15.1	35.7	33.9	16.0	11.2	11.9	47.4	15.0	15.1
50 to 99 lb	23.3	22.0	23.2	18.5	19.0	19.5	21.8	21.0	19.0	34.9	23.0	23.0
100 to 499 lb	15.2	16.9	16.8	12.2	10.2	10.5	21.6	12.5	13.5	23.5	15.8	15.4
500 to 749 lb	20.2	17.8	17.7	23.4	15.5	15.0	21.5	19.4	20.0	26.9	27.7	27.8
750 to 999 lb	30.4	25.3	25.9	19.1	17.3	18.0	24.0	20.3	21.2	39.2	35.9	36.8
1,000 to 9,999 lb	13.3	12.5	14.0	13.9	12.6	12.9	18.8	19.6	19.3	19.6	18.2	18.3
10,000 to 49,999 lb	24.2	24.4	23.0	S	31.7	34.4	14.8	12.3	13.5	14.8	14.8	14.3
50,000 to 99,999 lb	41.9	41.8	43.7	37.0	S	S	43.2	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	**9.2**	**9.2**	**8.8**	**10.8**	**12.8**	**13.0**	**10.0**	**9.8**	**10.0**	**11.7**	**15.4**	**15.4**
Less than 50 lb	19.7	14.9	16.6	15.7	15.6	15.7	18.1	19.5	19.3	19.1	23.9	24.4
50 to 99 lb	26.9	15.9	15.8	26.1	14.0	14.2	21.4	17.6	18.2	27.7	21.8	21.9
100 to 499 lb	13.8	17.4	18.2	16.8	17.1	17.1	22.0	15.2	15.7	18.4	17.3	18.1
500 to 749 lb	33.7	22.2	22.7	23.8	18.5	17.8	34.4	19.0	19.6	32.4	37.6	37.5
750 to 999 lb	33.4	20.3	21.5	31.0	14.1	13.6	35.9	25.4	24.5	S	43.7	42.3
1,000 to 9,999 lb	24.7	16.5	16.4	22.8	15.6	15.1	20.0	18.9	18.6	27.2	12.4	12.4
10,000 to 49,999 lb	15.9	10.8	10.5	12.9	15.3	15.6	21.3	12.3	12.6	22.0	19.7	19.8
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	44.2	43.3	43.3
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**14.3**	**12.4**	**13.4**	**16.4**	**16.8**	**18.0**	**23.1**	**20.8**	**22.0**	**28.2**	**22.4**	**24.4**
Less than 50 lb	23.2	21.7	23.1	23.2	34.6	34.1	25.8	28.2	27.5	19.4	20.8	21.1
50 to 99 lb	41.8	37.6	36.1	23.6	21.1	21.7	28.4	34.5	33.3	49.0	S	S
100 to 499 lb	16.2	15.8	17.1	25.6	14.0	14.1	17.1	14.4	14.8	39.2	21.3	22.0
500 to 749 lb	38.8	18.4	18.1	35.7	21.5	20.9	41.6	17.9	17.9	23.4	29.4	29.7
750 to 999 lb	32.8	30.4	31.5	20.7	17.8	16.0	26.6	17.7	17.3	S	33.3	34.6
1,000 to 9,999 lb	25.1	24.2	20.4	24.4	25.4	25.7	37.8	41.2	42.2	42.8	44.6	46.6
10,000 to 49,999 lb	9.8	12.2	13.1	24.7	21.7	23.7	16.0	19.5	20.2	S	23.6	25.5
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	S	S	S	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**21.9**	**23.9**	**21.7**	**21.3**	**28.7**	**30.7**	**16.5**	**29.4**	**29.9**	**25.8**	**22.8**	**22.5**
Less than 50 lb	S	S	S	38.4	36.6	33.8	30.3	43.3	47.0	S	34.7	33.7
50 to 99 lb	S	S	S	S	35.2	29.8	26.9	S	S	47.1	28.1	29.1
100 to 499 lb	38.8	34.1	33.9	28.5	38.6	33.9	37.1	S	S	47.1	S	S
500 to 749 lb	S	S	S	S	47.3	46.8	48.2	31.9	32.7	S	S	S
750 to 999 lb	S	S	S	S	47.2	47.0	S	26.1	26.9	S	S	S
1,000 to 9,999 lb	25.8	31.1	33.2	20.8	18.6	18.1	22.1	21.5	21.6	23.5	28.0	27.7
10,000 to 49,999 lb	36.8	43.6	32.4	S	39.9	40.3	24.0	37.5	38.5	S	45.3	44.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	13.3	S	S	37.7	38.1	38.4	S	S	S
SCTG 38, Precision instruments and apparatus	**25.3**	**30.6**	**30.5**	**19.0**	**29.3**	**27.6**	**23.3**	**35.5**	**34.4**	**24.2**	**30.8**	**30.3**
Less than 50 lb	26.2	27.6	26.1	27.6	35.9	35.9	29.9	36.6	36.0	29.5	37.0	36.9
50 to 99 lb	35.9	25.0	25.5	37.7	26.1	27.5	S	27.8	28.9	S	37.3	37.0
100 to 499 lb	26.8	23.7	21.8	27.8	26.6	27.6	39.4	33.8	32.6	S	43.2	44.2
500 to 749 lb	S	S	47.9	35.4	36.5	38.5	S	41.2	47.1	S	S	S
750 to 999 lb	S	S	S	45.1	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	37.9	42.3	27.6	36.3	37.3	35.9	S	S	43.3	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**11.8**	**10.8**	**9.8**	**9.2**	**13.7**	**14.3**	**12.9**	**16.9**	**16.2**	**12.9**	**15.1**	**15.5**
Less than 50 lb	23.8	25.6	28.9	34.9	29.5	28.2	28.9	22.5	22.5	24.7	29.0	28.9
50 to 99 lb	17.9	20.1	21.4	22.3	22.1	25.1	33.0	21.6	21.5	19.6	19.5	19.8
100 to 499 lb	14.5	14.5	15.1	14.3	11.4	11.6	9.9	11.1	10.9	15.3	13.4	13.1
500 to 749 lb	23.2	18.5	20.6	23.1	17.2	16.2	18.3	18.8	18.9	20.8	26.9	27.5
750 to 999 lb	20.0	19.7	18.6	17.0	19.7	19.3	28.6	16.0	16.0	36.5	31.3	30.9
1,000 to 9,999 lb	20.3	19.2	18.1	12.8	14.8	15.5	15.3	20.4	19.6	16.0	21.7	22.5
10,000 to 49,999 lb	17.3	21.7	21.4	18.9	19.9	20.3	23.7	23.9	23.5	26.5	19.6	19.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**23.7**	**21.3**	**17.3**	**7.2**	**10.4**	**10.4**	**9.4**	**16.2**	**16.0**	**9.6**	**13.8**	**13.6**
Less than 50 lb	20.1	13.7	13.6	9.1	10.3	10.6	9.6	12.5	13.2	12.0	14.7	14.4
50 to 99 lb	21.2	18.6	17.5	15.6	13.3	14.7	18.5	18.3	18.5	20.6	12.9	12.9
100 to 499 lb	16.9	23.5	24.7	13.0	21.5	23.1	13.1	33.0	28.9	12.5	13.3	13.0
500 to 749 lb	21.3	16.7	15.9	15.1	15.4	15.8	23.3	19.4	19.4	31.7	36.0	34.0
750 to 999 lb	26.2	24.7	23.9	31.1	22.4	23.9	34.7	27.7	26.3	24.4	26.7	27.0
1,000 to 9,999 lb	16.4	14.3	15.4	10.7	13.3	12.6	17.6	10.2	10.2	13.3	15.5	15.8
10,000 to 49,999 lb	43.5	28.5	23.3	9.6	14.2	14.4	15.8	26.2	26.0	15.9	19.0	18.3
50,000 to 99,999 lb	26.2	40.7	37.3	23.4	23.9	24.4	32.7	32.4	33.2	S	S	S
100,000 lb or more	S	S	S	39.8	48.3	49.4	S	38.9	36.6	S	S	S
SCTG 41, Waste and scrap	**21.7**	**29.5**	**30.5**	**38.0**	**38.2**	**39.4**	**19.4**	**25.1**	**23.9**	**41.4**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	47.4	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	37.8	31.6	31.4	45.4	38.5	43.2	S	S	S	–	–	–
10,000 to 49,999 lb	21.4	34.1	36.3	16.5	23.2	21.2	21.8	30.6	27.6	46.7	45.6	47.5
50,000 to 99,999 lb	24.8	34.1	43.2	46.9	45.3	S	S	S	S	S	S	S
100,000 lb or more	34.4	33.3	30.9	S	46.3	46.6	37.6	44.7	42.5	S	S	S
SCTG 43, Mixed freight	**28.3**	**12.2**	**12.2**	**18.8**	**14.7**	**15.1**	**20.5**	**22.9**	**23.9**	**32.9**	**36.9**	**39.2**
Less than 50 lb	28.0	32.4	32.0	46.4	40.0	42.8	S	S	S	48.9	S	S
50 to 99 lb	42.1	S	S	S	S	S	49.0	S	S	S	S	S
100 to 499 lb	26.3	46.3	49.2	38.8	33.9	30.8	34.9	S	48.5	S	S	S
500 to 749 lb	28.2	34.9	39.3	S	S	S	S	S	S	–	–	–
750 to 999 lb	39.9	35.8	36.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.6	23.0	23.7	39.5	34.5	34.6	44.4	42.1	42.6	–	–	–
10,000 to 49,999 lb	19.9	15.2	15.5	17.0	12.6	12.8	29.1	30.5	30.8	36.5	38.7	41.1
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	**S**	**45.1**	**48.7**	**S**	**S**	**S**	**S**	**S**	**S**	**42.1**	**S**	**S**
Less than 50 lb	S	46.2	37.6	31.3	32.4	33.6	40.7	35.8	34.8	S	S	S
50 to 99 lb	S	44.6	41.9	42.4	45.3	46.1	S	S	S	S	S	S
100 to 499 lb	35.4	45.7	43.1	39.5	29.9	31.7	40.1	S	S	S	S	S
500 to 749 lb	S	42.9	43.9	49.4	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	49.7	43.1	S	39.2	37.6	S	43.2	43.9	S	S	S
10,000 to 49,999 lb	S	45.8	48.5	S	41.7	42.9	S	S	S	37.0	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	–	–	–

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	**7.8**	**5.8**	**7.1**	**9.2**	**7.1**	**8.2**	**11.7**	**33.8**	**34.3**
Less than 50 lb	9.6	10.3	10.2	8.1	10.1	10.0	11.5	15.4	14.7
50 to 99 lb	24.5	45.1	44.6	14.6	12.3	12.2	14.7	22.8	22.1
100 to 499 lb	12.2	8.7	8.4	14.9	12.0	11.9	13.8	S	S
500 to 749 lb	14.4	14.1	14.0	32.8	10.2	10.1	24.7	15.6	15.4
750 to 999 lb	41.2	19.5	19.5	17.8	10.2	10.4	22.0	22.4	22.5
1,000 to 9,999 lb	13.9	8.4	8.9	14.6	11.6	12.2	29.2	13.7	14.3
10,000 to 49,999 lb	17.9	4.8	4.9	16.1	6.9	7.7	13.1	9.6	9.1
50,000 to 99,999 lb	24.0	39.1	37.5	24.4	24.3	24.7	S	34.1	33.3
100,000 lb or more	14.7	19.3	22.2	19.4	22.5	24.2	48.9	S	S
SCTG 01, Live animals and live fish	**48.2**	**48.5**	**48.1**	**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	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**–**	**–**	**–**	**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	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 03, Other agricultural products	**S**	**S**	**S**	**47.2**	**48.3**	**48.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	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	S	S	S
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**49.9**	**49.0**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**28.7**	**28.2**	**28.3**	**21.1**	**23.1**	**23.8**	**39.4**	**43.1**	**46.2**
Less than 50 lb	46.6	48.6	47.1	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	42.1	32.7	34.5	22.6	23.0	22.9	42.9	S	S
10,000 to 49,999 lb	41.8	34.8	35.0	22.9	24.1	24.8	34.0	33.3	40.5
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**28.8**	**27.4**	**27.3**	**26.5**	**23.8**	**23.5**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.0	39.2	37.9	35.9	36.5	35.5	S	S	S
10,000 to 49,999 lb	32.2	26.1	25.8	28.4	29.5	27.9	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**25.9**	**36.3**	**34.1**	**24.9**	**47.9**	**S**	**35.0**	**39.0**	**39.3**
Less than 50 lb	S	S	S	45.5	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–
100 to 499 lb	45.2	43.2	42.6	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	37.0	S	S	33.8	36.4	36.3	S	S	S
10,000 to 49,999 lb	30.8	36.1	35.1	27.6	S	S	37.2	40.5	40.9
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**41.4**	**35.8**	**37.3**	**31.0**	**39.0**	**38.8**	**46.5**	**49.7**	**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	–	–	–
1,000 to 9,999 lb	S	S	S	S	46.1	48.1	S	S	S
10,000 to 49,999 lb	42.1	36.6	38.1	31.1	39.6	39.3	46.9	49.7	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**S**	**48.1**	**48.5**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	48.7	48.4	47.5	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	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	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	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
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	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**S**	**30.5**	**29.6**	**42.0**	**40.1**	**38.5**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	30.6	48.5	46.6	48.8	46.6	45.3	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	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 14, Metallic ores and concentrates	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 15, Coal	**–**	**–**	**–**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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 18, Fuel oils	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**45.3**	**37.0**	**36.0**	**49.3**	**42.7**	**43.1**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
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 20, Basic chemicals	**21.5**	**23.0**	**23.8**	**21.5**	**20.4**	**20.5**	**39.2**	**41.7**	**42.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	39.5	40.4	–	–	–
500 to 749 lb	S	S	S	S	48.0	47.9	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	32.1	30.5	40.8	34.5	33.4	S	S	S
10,000 to 49,999 lb	24.7	26.1	26.9	29.5	21.4	21.7	49.7	45.9	46.7
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	33.7	30.1	30.2	S	S	S
SCTG 21, Pharmaceutical products	**27.1**	**47.8**	**S**	**31.5**	**S**	**S**	**S**	**44.2**	**45.0**
Less than 50 lb	45.8	49.0	48.6	32.6	32.6	32.4	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**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	–	–	–
500 to 749 lb	–	–	–	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**22.4**	**30.9**	**28.2**	**22.8**	**32.0**	**31.2**	**S**	**47.4**	**43.7**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	29.7	41.8	40.7	S	S	S
100 to 499 lb	32.4	33.5	34.5	36.9	29.6	30.1	49.3	S	S
500 to 749 lb	44.7	42.5	42.1	39.5	34.4	33.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.0	24.5	24.4	29.8	34.3	33.6	S	S	S
10,000 to 49,999 lb	29.3	40.0	36.9	29.0	36.1	35.2	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**17.1**	**20.4**	**22.5**	**11.6**	**11.1**	**11.4**	**22.5**	**33.5**	**33.7**
Less than 50 lb	21.3	27.4	26.1	28.0	18.0	18.2	39.2	42.3	41.8
50 to 99 lb	S	30.1	31.4	48.9	37.2	37.0	S	S	S
100 to 499 lb	29.0	27.5	26.8	36.4	27.6	28.2	S	45.1	43.8
500 to 749 lb	41.2	29.3	30.5	S	33.5	31.3	S	S	S
750 to 999 lb	43.7	43.6	42.4	33.9	35.2	36.0	47.2	S	S
1,000 to 9,999 lb	18.8	25.5	25.9	13.6	11.7	11.4	46.7	38.3	36.3
10,000 to 49,999 lb	19.3	17.8	18.7	13.1	12.0	12.4	34.8	42.9	43.7
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 25, Logs and other wood in the rough	**46.3**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	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	37.2	36.6	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 26, Wood products	**20.0**	**18.7**	**19.3**	**16.3**	**18.3**	**18.6**	**27.7**	**35.0**	**35.2**
Less than 50 lb	S	48.3	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	48.6	48.6	S	S	S
100 to 499 lb	48.0	46.1	47.9	S	S	S	S	47.9	47.5
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	S	49.4	48.6	38.2	35.2	33.9	S	S	S
10,000 to 49,999 lb	25.3	22.8	23.3	19.6	20.5	20.3	34.5	31.9	32.5
50,000 to 99,999 lb	39.1	33.3	33.4	S	41.6	42.3	45.8	S	49.6
100,000 lb or more	24.1	23.5	23.4	32.7	30.5	31.3	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**14.3**	**13.8**	**15.0**	**19.7**	**18.8**	**18.9**	**34.8**	**41.2**	**41.5**
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	41.3	41.4	S	46.2	46.0	S	S	S
10,000 to 49,999 lb	20.8	19.3	19.3	22.7	25.3	26.3	40.7	44.7	42.7
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	16.6	17.2	19.3	27.1	24.8	24.7	S	S	S
SCTG 28, Paper or paperboard articles	**34.8**	**48.4**	**48.5**	**15.2**	**20.2**	**20.0**	**26.0**	**23.6**	**23.6**
Less than 50 lb	47.9	S	S	36.5	30.6	30.4	S	S	S
50 to 99 lb	S	49.8	48.8	49.1	S	S	S	S	S
100 to 499 lb	37.9	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	48.3	47.9	S	S	S
750 to 999 lb	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	40.5	43.3	40.6	S	S	S
10,000 to 49,999 lb	35.1	45.9	45.2	21.2	23.7	23.2	27.5	24.5	24.5
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**17.4**	**20.9**	**20.6**	**20.5**	**19.6**	**19.2**	**20.5**	**30.2**	**30.2**
Less than 50 lb	24.6	29.5	29.9	30.6	25.8	25.6	29.4	27.5	27.0
50 to 99 lb	S	44.4	44.3	37.9	31.3	31.5	S	S	S
100 to 499 lb	49.8	S	47.5	S	36.8	35.9	47.4	46.2	44.2
500 to 749 lb	S	48.7	S	37.6	37.7	37.1	S	S	S
750 to 999 lb	S	42.7	42.5	45.3	47.2	45.6	S	S	S
1,000 to 9,999 lb	41.2	35.7	38.3	42.4	23.3	24.8	43.3	45.8	45.8
10,000 to 49,999 lb	26.8	28.7	28.5	23.6	25.2	25.0	46.5	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**17.1**	**12.1**	**12.1**	**42.4**	**32.7**	**31.5**	**19.4**	**19.3**	**19.3**
Less than 50 lb	17.1	17.5	17.7	22.0	23.7	24.2	28.7	S	S
50 to 99 lb	32.3	35.7	38.0	20.8	21.4	21.2	45.9	S	S
100 to 499 lb	32.0	25.2	25.1	23.8	18.0	18.6	46.9	30.1	29.9
500 to 749 lb	S	S	S	34.2	31.9	31.5	33.4	30.0	29.5
750 to 999 lb	S	S	S	21.8	28.9	28.4	33.1	30.2	29.6
1,000 to 9,999 lb	33.5	20.0	20.9	44.0	42.8	44.0	25.4	19.3	18.9
10,000 to 49,999 lb	21.2	17.4	17.5	S	46.7	45.2	41.9	42.8	44.0
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 31, Nonmetallic mineral products	**28.0**	**20.3**	**21.5**	**S**	**30.3**	**31.8**	**25.1**	**22.4**	**20.5**
Less than 50 lb	S	43.7	43.3	S	43.6	41.8	S	44.6	44.6
50 to 99 lb	S	S	S	S	49.3	49.8	S	48.1	47.0
100 to 499 lb	44.4	46.8	44.5	45.5	38.6	39.7	43.8	38.0	37.7
500 to 749 lb	S	49.8	S	46.5	44.8	44.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	38.6	39.1	35.8	28.2	20.9	20.7	47.9	S	S
10,000 to 49,999 lb	36.5	20.6	20.1	S	34.2	35.7	29.5	23.6	21.4
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**15.7**	**19.8**	**21.4**	**22.1**	**40.2**	**44.0**	**S**	**S**	**S**
Less than 50 lb	25.7	36.3	37.3	23.0	21.9	21.9	S	S	S
50 to 99 lb	39.0	28.2	29.1	24.7	26.2	26.5	S	S	S
100 to 499 lb	28.4	21.4	21.0	46.4	S	S	S	44.7	44.7
500 to 749 lb	39.8	41.1	40.8	S	49.2	48.7	S	S	S
750 to 999 lb	45.8	38.8	39.9	42.2	41.1	41.3	–	–	–
1,000 to 9,999 lb	34.7	26.3	27.7	20.8	43.1	43.6	32.1	42.8	42.5
10,000 to 49,999 lb	24.9	21.3	20.9	27.8	27.7	28.0	38.8	35.8	36.4
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	38.2	44.2	46.4	46.4	S	S	S	S	S
SCTG 33, Articles of base metal	**10.9**	**15.7**	**15.7**	**14.4**	**28.7**	**33.0**	**23.3**	**S**	**S**
Less than 50 lb	21.7	19.7	20.1	25.1	24.2	22.9	34.0	33.6	39.5
50 to 99 lb	30.9	30.0	30.6	30.5	23.4	23.2	S	S	S
100 to 499 lb	31.3	22.2	23.6	42.6	27.2	27.2	36.7	45.2	46.1
500 to 749 lb	S	49.8	S	44.6	32.1	32.8	S	S	S
750 to 999 lb	40.5	S	S	29.7	34.3	33.2	46.9	45.2	45.4
1,000 to 9,999 lb	20.5	20.1	20.4	26.7	24.2	22.8	37.6	31.0	35.4
10,000 to 49,999 lb	29.4	22.1	22.0	18.5	16.5	15.3	46.1	49.4	S
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 34, Machinery	**13.8**	**17.9**	**18.9**	**13.3**	**16.0**	**15.5**	**23.9**	**31.7**	**30.3**
Less than 50 lb	21.0	18.4	19.1	24.6	22.1	22.4	33.5	26.0	27.4
50 to 99 lb	36.0	24.7	25.0	31.5	32.8	31.9	41.9	48.0	48.3
100 to 499 lb	29.5	20.9	21.9	24.3	17.7	17.8	34.1	34.8	33.1
500 to 749 lb	36.7	29.7	29.5	32.5	34.9	34.2	43.9	38.6	39.4
750 to 999 lb	45.9	39.2	39.1	S	40.1	41.3	S	S	S
1,000 to 9,999 lb	27.4	22.1	21.4	22.3	22.9	22.5	49.1	29.2	27.3
10,000 to 49,999 lb	28.8	26.9	27.5	20.3	18.9	18.8	36.9	43.0	43.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**43.0**	**22.3**	**22.5**	**10.4**	**19.3**	**18.9**	**S**	**31.8**	**30.6**
Less than 50 lb	19.9	32.0	31.6	16.6	37.1	37.4	31.1	44.2	41.0
50 to 99 lb	46.9	31.1	32.8	34.3	15.3	15.7	48.0	49.4	49.4
100 to 499 lb	37.7	21.6	21.4	29.4	36.8	33.7	41.0	34.1	33.3
500 to 749 lb	28.3	27.6	26.8	42.3	27.6	27.9	36.3	36.3	41.3
750 to 999 lb	43.5	41.0	40.1	38.3	37.1	35.8	S	S	S
1,000 to 9,999 lb	22.1	21.1	20.8	24.9	21.3	21.1	S	S	49.9
10,000 to 49,999 lb	S	31.0	31.2	19.6	23.1	22.4	S	48.4	49.3
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**21.2**	**18.7**	**18.9**	**23.3**	**20.2**	**20.3**	**26.2**	**31.2**	**30.5**
Less than 50 lb	22.8	30.3	31.2	23.9	25.3	25.2	S	37.7	S
50 to 99 lb	45.1	36.5	38.3	S	38.3	39.4	S	S	S
100 to 499 lb	20.5	20.8	21.3	28.4	27.2	26.7	32.7	30.9	28.5
500 to 749 lb	30.0	35.1	34.0	S	42.1	44.0	S	S	S
750 to 999 lb	30.0	33.2	31.6	42.1	35.3	34.4	S	S	S
1,000 to 9,999 lb	34.3	36.5	36.3	28.5	27.4	28.2	45.7	41.8	43.4
10,000 to 49,999 lb	24.0	22.9	23.0	35.4	26.3	26.2	45.3	45.0	44.3
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**39.6**	**S**	**S**	**36.5**	**30.2**	**29.7**	**35.9**	**31.3**	**32.1**
Less than 50 lb	35.1	39.8	41.2	30.6	29.5	30.1	44.6	21.3	21.9
50 to 99 lb	S	43.0	43.0	S	46.9	46.5	41.1	S	S
100 to 499 lb	S	S	S	44.6	44.1	45.1	38.7	30.7	31.2
500 to 749 lb	S	S	S	S	45.1	44.4	S	47.8	48.4
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.8	38.8	39.7	35.0	41.7	43.4	S	38.9	38.6
10,000 to 49,999 lb	S	50.0	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**30.4**	**45.4**	**44.7**	**32.3**	**34.1**	**33.0**	**27.3**	**45.9**	**49.7**
Less than 50 lb	49.8	S	S	37.8	S	49.7	33.5	30.6	30.9
50 to 99 lb	S	33.0	32.9	S	S	S	S	S	S
100 to 499 lb	25.9	27.5	30.1	29.7	S	S	S	S	S
500 to 749 lb	S	49.3	49.4	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	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	**15.5**	**34.7**	**34.6**	**16.0**	**14.4**	**14.5**	**19.0**	**21.3**	**24.4**
Less than 50 lb	36.9	24.1	26.5	46.9	26.7	26.7	34.5	27.9	28.5
50 to 99 lb	41.1	29.7	29.0	26.9	21.6	22.1	S	S	S
100 to 499 lb	19.5	24.4	23.2	21.3	19.2	19.5	23.3	25.5	25.9
500 to 749 lb	33.1	31.3	31.2	32.7	30.0	30.5	S	S	S
750 to 999 lb	38.4	45.9	46.3	S	45.4	46.1	S	S	S
1,000 to 9,999 lb	19.9	26.7	27.6	20.3	16.7	17.7	27.1	26.1	34.5
10,000 to 49,999 lb	27.2	32.2	32.5	30.7	27.3	28.0	S	48.3	47.3
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**12.1**	**20.9**	**22.0**	**15.4**	**13.8**	**14.0**	**21.5**	**40.7**	**38.7**
Less than 50 lb	21.8	14.7	15.1	17.5	15.7	15.7	23.2	20.2	19.2
50 to 99 lb	29.8	19.4	19.8	36.7	19.5	20.1	S	38.2	48.3
100 to 499 lb	22.9	18.7	21.5	21.9	17.6	17.1	34.8	S	S
500 to 749 lb	44.0	28.6	28.9	S	28.7	29.1	S	S	S
750 to 999 lb	S	42.7	40.5	24.2	26.0	26.1	S	S	S
1,000 to 9,999 lb	14.7	11.1	11.2	37.5	23.9	24.6	48.8	S	S
10,000 to 49,999 lb	25.2	19.4	19.5	29.9	17.5	17.8	48.3	44.4	45.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 41, Waste and scrap	**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	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 43, Mixed freight	**S**	**S**	**S**	**42.6**	**46.9**	**48.5**	**45.6**	**39.9**	**39.8**
Less than 50 lb	S	47.0	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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	45.8	40.0	39.9
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	**S**	**S**	**S**	**43.0**	**41.0**	**41.0**	**S**	**S**	**S**
Less than 50 lb	S	46.5	45.7	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	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
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.

Appendix C.
Sample Design, Data Collection, and Estimation

INTRODUCTION

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

SAMPLE DESIGN

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

First Stage

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

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

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

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

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

Second Stage

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

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

Third Stage

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

DATA COLLECTION

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

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

ESTIMATION

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

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

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

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

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

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

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

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

Appendix D.
Standard Classification of Transported Goods Code Information

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

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

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

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

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

Appendix E.
Sample Report Forms and Instructions

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

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

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

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

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE.

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

SELECTING YOUR SAMPLE OF SHIPMENTS

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

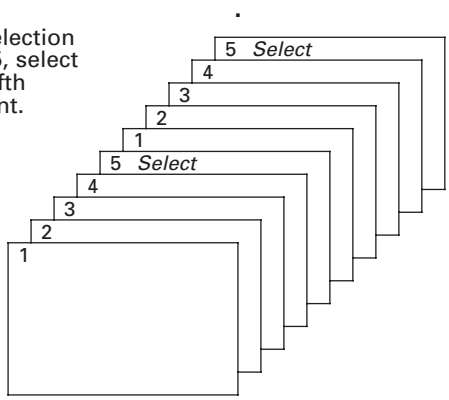
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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

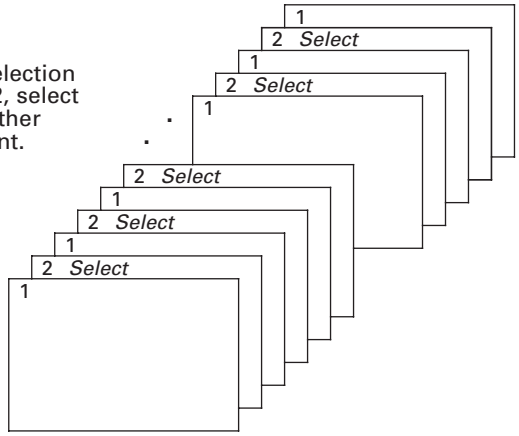
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

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

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

Item G

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

☐ Yes

☐ No

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

☐ Yes

☐ No

If yes to item G1 or item G2:

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

☐ Yes

☐ No

Item H

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

Total value in whole dollars

Item I

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

☐ Yes

☐ No

Item J **CERTIFICATION**

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

Signature	Title

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

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

Remarks

THANK YOU FOR COMPLETING YOUR REPORT

FORM CFS-1000 (11-1-96)

Page 7

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

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

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

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

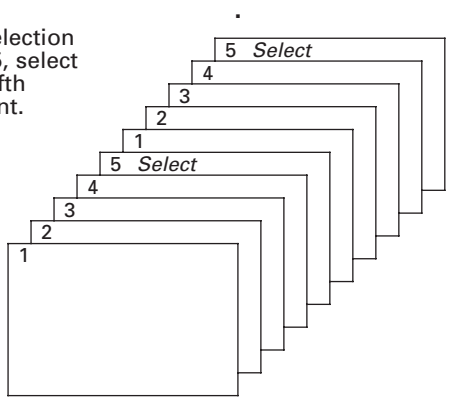
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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

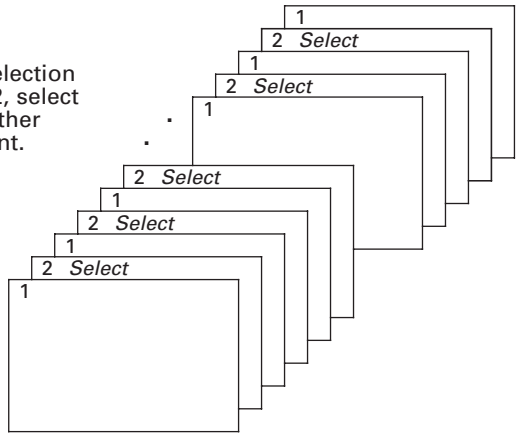
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

Total value in whole dollars

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

☐ Yes

☐ No

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

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

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

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

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

Item J USE OF OFF-SITE SHIPPING FACILITIES

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

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

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

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

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

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

Item L TRANSPORTATION DECISIONS

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

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

Remarks

Item M CERTIFICATION

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

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

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

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

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

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

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

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

Who reports in the CFS?

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

Why is my participation important?

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

Your report helps ensure quality results.

Is this survey mandatory?

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

Will my data be kept confidential?

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

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

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

How often must I report?

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

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

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

Item D

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

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

What we mean by a "shipment":

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

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

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

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

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

A special note about "shipments":

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

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

Item E: Sampling Instructions

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

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

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

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

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

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

Item F **SHIPMENT CHARACTERISTICS**

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

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

Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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

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

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

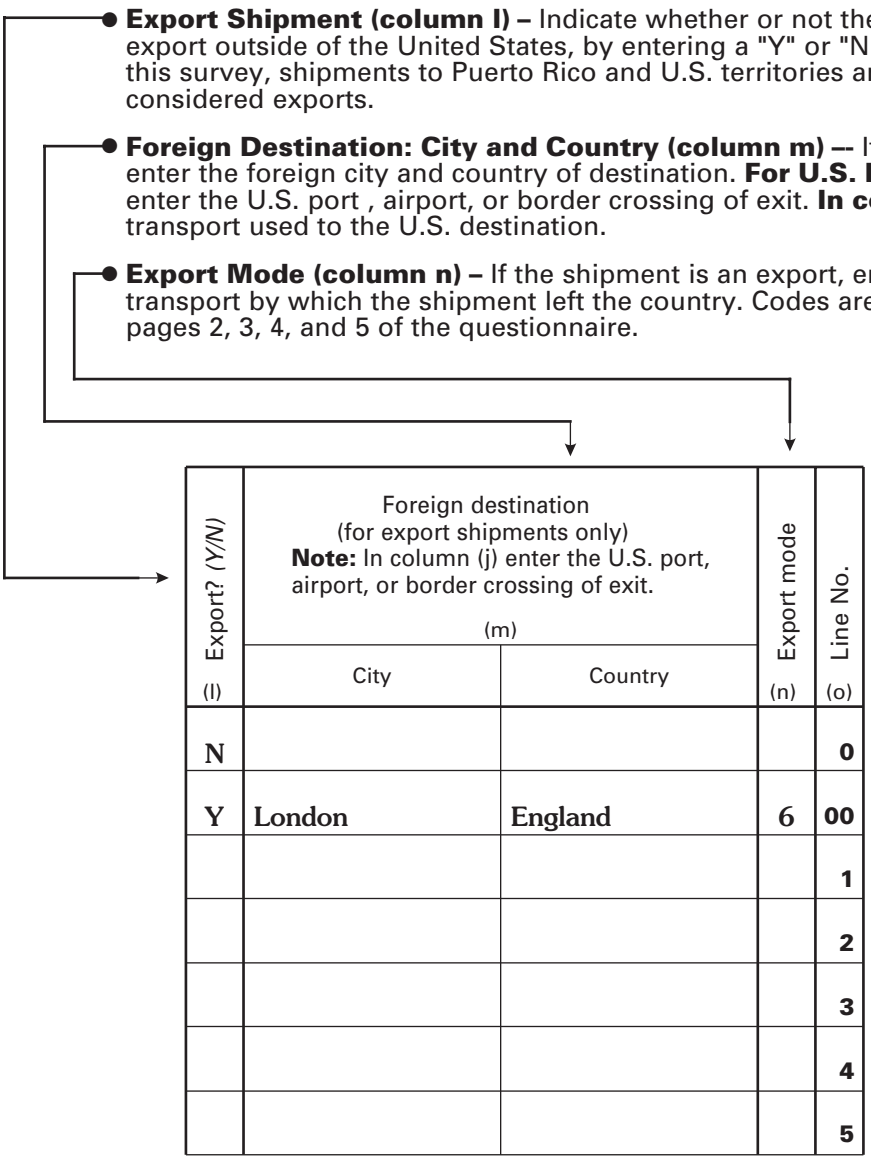
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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



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

Items G – I

Please enter the information requested.

Item J: Certification

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

PART III – MODE DEFINITIONS

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

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

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

Railroad– Any common carrier or private railroad.

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

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

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

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

Other mode – Any mode not listed above.

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

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

PART IV -- STATE ABBREVIATION LIST

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

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