West North Central Division

1997

Issued April 2000

EC97TCF-DIV(4)

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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**	**562**
Single modes	**481 594**	**82.4**	**987 547**	**92.1**	**326 864**	**89.0**	**193**
Truck[1]	415 405	71.1	724 875	67.6	115 643	31.5	135
For-hire truck	249 769	42.8	317 751	29.6	89 015	24.2	372
Private truck	161 055	27.6	401 335	37.4	25 812	7.0	55
Rail	46 645	8.0	204 516	19.1	169 085	46.0	821
Water	3 878	.7	41 794	3.9	39 713	10.8	1 061
Shallow draft	3 685	.6	37 511	3.5	37 497	10.2	1 066
Great Lakes	171	–	S	S	S	S	565
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	12 026	2.1	259	–	357	.1	1 386
Pipeline[2]	3 640	.6	16 103	1.5	S	S	S
Multiple modes	**84 088**	**14.4**	**33 244**	**3.1**	**31 890**	**8.7**	**881**
Parcel, U.S. Postal Service or courier	75 623	12.9	2 794	.3	2 139	.6	881
Truck and rail	7 419	1.3	4 551	.4	5 253	1.4	1 268
Truck and water	S	S	S	S	S	S	3 435
Rail and water	740	.1	24 333	2.3	22 659	6.2	1 411
Other multiple modes	S	S	S	S	26	–	S
Other and unknown modes	**18 527**	**3.2**	**51 713**	**4.8**	**8 428**	**2.3**	**93**

– 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	**584 209**	**460 068**	**27.0**	**1 072 504**	**868 108**	**23.5**	**367 183**	**290 073**	**26.6**	**562**	**444**	**26.5**
Single modes	**481 594**	**389 767**	**23.6**	**987 547**	**808 221**	**22.2**	**326 864**	**260 357**	**25.5**	**193**	**213**	**-9.0**
Truck[1]	415 405	342 909	21.1	724 875	590 447	22.8	115 643	89 619	29.0	135	144	–6.3
For-hire truck	249 769	214 054	16.7	317 751	256 659	23.8	89 015	65 007	36.9	372	451	–17.5
Private truck	161 055	128 009	25.8	401 335	332 726	20.6	25 812	24 371	5.9	55	55	–.7
Rail	46 645	27 903	67.2	204 516	158 942	28.7	169 085	120 882	39.9	821	810	1.3
Water	3 878	3 815	1.7	41 794	46 036	–9.2	39 713	48 118	–17.5	1 061	921	15.1
Shallow draft	3 685	3 636	1.3	37 511	41 384	–9.4	37 497	44 337	–15.4	1 066	874	22.0
Great Lakes	171	S	S	S	S	S	S	S	S	565	819	–31.0
Deep draft	S	21	S	S	5	S	S	25	S	1	4 341	–100.0
Air (includes truck and air)	12 026	12 922	–6.9	259	S	S	357	347	3.0	1 386	1 298	6.8
Pipeline[2]	3 640	2 217	64.2	16 103	12 531	28.5	S	S	S	S	S	S
Multiple modes	**84 088**	**54 017**	**55.7**	**33 244**	**19 336**	**71.9**	**31 890**	**18 123**	**76.0**	**881**	**727**	**21.2**
Parcel, U.S. Postal Service or courier	75 623	45 647	65.7	2 794	2 129	31.2	2 139	1 401	52.7	881	726	21.5
Truck and rail	7 419	7 629	–2.8	4 551	2 395	90.0	5 253	2 592	102.7	1 268	1 209	4.9
Truck and water	S	434	S	S	S	S	S	S	S	3 435	2 031	69.1
Rail and water	740	278	166.5	24 333	S	S	22 659	S	S	1 411	881	60.1
Other multiple modes	S	S	S	S	S	S	26	S	S	S	70	S
Other and unknown modes	**18 527**	**16 284**	**13.8**	**51 713**	**40 552**	**27.5**	**8 428**	**S**	**S**	**93**	**180**	**-48.4**

– Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons. 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	**82.4**	**84.7**	**92.1**	**93.1**	**89.0**	**89.8**
Truck[1]	71.1	74.5	67.6	68.0	31.5	30.9
For-hire truck	42.8	46.5	29.6	29.6	24.2	22.4
Private truck	27.6	27.8	37.4	38.3	7.0	8.4
Rail	8.0	6.1	19.1	18.3	46.0	41.7
Water	.7	.8	3.9	5.3	10.8	16.6
Shallow draft	.6	.8	3.5	4.8	10.2	15.3
Great Lakes	–	S	S	S	S	S
Deep draft	S	–	S	–	S	–
Air (includes truck and air)	2.1	2.8	–	S	.1	.1
Pipeline[2]	.6	.5	1.5	1.4	S	S
Multiple modes	**14.4**	**11.7**	**3.1**	**2.2**	**8.7**	**6.2**
Parcel, U.S. Postal Service or courier	12.9	9.9	.3	.2	.6	.5
Truck and rail	1.3	1.7	.4	.3	1.4	.9
Truck and water	S	–	S	S	S	S
Rail and water	.1	–	2.3	S	6.2	S
Other multiple modes	S	S	S	S	–	S
Other and unknown modes	**3.2**	**3.5**	**4.8**	**4.7**	**2.3**	**S**

– 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	**367 184**	**100.0**	**552**
Truck	116 326	31.7	133
Rail	178 148	48.5	872
Shallow draft	38 924	10.6	1 027
Great Lakes	20 480	5.6	695
Deep draft	S	S	4 035
Air	333	–	1 303
Parcel, U.S. Postal Service or courier	2 139	.6	881
Pipeline	S	S	S
Other and unknown modes	8 441	2.3	92

– 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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**
Less than 50 miles	140 426	24.0	517 540	48.3	10 717	2.9
50 to 99 miles	46 308	7.9	105 278	9.8	9 930	2.7
100 to 249 miles	85 288	14.6	134 345	12.5	30 214	8.2
250 to 499 miles	92 955	15.9	112 235	10.5	57 434	15.6
500 to 749 miles	68 135	11.7	69 405	6.5	59 527	16.2
750 to 999 miles	57 783	9.9	54 878	5.1	64 181	17.5
1,000 to 1,499 miles	76 866	13.2	73 588	6.9	124 125	33.8
1,500 to 1,999 miles	15 748	2.7	5 116	.5	10 458	2.8
2,000 miles or more	700	.1	S	S	S	S
Single modes	**481 594**	**100.0**	**987 547**	**100.0**	**326 864**	**100.0**
Less than 50 miles	124 432	25.8	474 662	48.1	10 104	3.1
50 to 99 miles	41 621	8.6	103 820	10.5	9 789	3.0
100 to 249 miles	73 956	15.4	131 502	13.3	29 576	9.0
250 to 499 miles	76 498	15.9	95 939	9.7	43 884	13.4
500 to 749 miles	54 233	11.3	61 185	6.2	52 549	16.1
750 to 999 miles	44 640	9.3	47 891	4.8	56 035	17.1
1,000 to 1,499 miles	55 520	11.5	68 127	6.9	115 916	35.5
1,500 to 1,999 miles	10 553	2.2	4 413	.4	8 994	2.8
2,000 miles or more	142	–	7	–	17	–
Truck[1]	**415 405**	**100.0**	**724 875**	**100.0**	**115 643**	**100.0**
Less than 50 miles	121 334	29.2	454 987	62.8	9 689	8.4
50 to 99 miles	39 879	9.6	81 354	11.2	7 458	6.4
100 to 249 miles	66 909	16.1	82 293	11.4	16 394	14.2
250 to 499 miles	64 295	15.5	50 138	6.9	21 364	18.5
500 to 749 miles	42 448	10.2	22 875	3.2	17 133	14.8
750 to 999 miles	33 381	8.0	16 081	2.2	16 933	14.6
1,000 to 1,499 miles	39 716	9.6	14 460	2.0	21 462	18.6
1,500 to 1,999 miles	7 415	1.8	2 684	.4	5 205	4.5
2,000 miles or more	27	–	4	–	6	–
For-hire truck	**249 769**	**100.0**	**317 751**	**100.0**	**89 015**	**100.0**
Less than 50 miles	33 145	13.3	137 319	43.2	3 321	3.7
50 to 99 miles	16 939	6.8	40 872	12.9	3 786	4.3
100 to 249 miles	37 676	15.1	50 547	15.9	10 422	11.7
250 to 499 miles	52 223	20.9	38 842	12.2	16 583	18.6
500 to 749 miles	36 932	14.8	20 183	6.4	15 190	17.1
750 to 999 miles	29 005	11.6	13 916	4.4	14 642	16.4
1,000 to 1,499 miles	36 864	14.8	13 504	4.2	20 089	22.6
1,500 to 1,999 miles	6 960	2.8	2 565	.8	4 976	5.6
2,000 miles or more	26	–	4	–	5	–
Private truck	**161 055**	**100.0**	**401 335**	**100.0**	**25 812**	**100.0**
Less than 50 miles	87 435	54.3	313 376	78.1	6 195	24.0
50 to 99 miles	22 656	14.1	40 057	10.0	3 626	14.0
100 to 249 miles	28 877	17.9	31 347	7.8	5 888	22.8
250 to 499 miles	11 647	7.2	10 991	2.7	4 638	18.0
500 to 749 miles	5 184	3.2	2 513	.6	1 815	7.0
750 to 999 miles	2 359	1.5	S	S	S	S
1,000 to 1,499 miles	2 517	1.6	846	.2	1 217	4.7
1,500 to 1,999 miles	380	.2	113	–	218	.8
2,000 miles or more	S	S	S	S	S	S
Rail	**46 645**	**100.0**	**204 516**	**100.0**	**169 085**	**100.0**
Less than 50 miles	796	1.7	8 424	4.1	S	S
50 to 99 miles	1 092	2.3	19 511	9.5	2 010	1.2
100 to 249 miles	5 936	12.7	40 332	19.7	10 899	6.4
250 to 499 miles	8 738	18.7	38 961	19.1	18 384	10.9
500 to 749 miles	8 359	17.9	24 323	11.9	21 663	12.8
750 to 999 miles	8 236	17.7	23 611	11.5	27 685	16.4
1,000 to 1,499 miles	11 373	24.4	47 656	23.3	84 442	49.9
1,500 to 1,999 miles	2 115	4.5	1 697	.8	3 722	2.2
2,000 miles or more	–	–	–	–	–	–
Water	**3 878**	**100.0**	**41 794**	**100.0**	**39 713**	**100.0**
Less than 50 miles	186	4.8	2 063	4.9	S	S
50 to 99 miles	46	1.2	1 548	3.7	227	.6
100 to 249 miles	180	4.6	6 342	15.2	1 790	4.5
250 to 499 miles	337	8.7	3 798	9.1	2 743	6.9
500 to 749 miles	1 051	27.1	13 946	33.4	13 707	34.5
750 to 999 miles	1 219	31.4	8 154	19.5	11 349	28.6
1,000 to 1,499 miles	860	22.2	5 942	14.2	9 893	24.9
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**3 685**	**100.0**	**37 511**	**100.0**	**37 497**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	46	1.3	1 548	4.1	227	.6
100 to 249 miles	180	4.9	6 342	16.9	1 790	4.8
250 to 499 miles	330	8.9	3 558	9.5	2 656	7.1
500 to 749 miles	954	25.9	11 219	29.9	11 580	30.9
750 to 999 miles	1 219	33.1	8 154	21.7	11 349	30.3
1,000 to 1,499 miles	860	23.3	5 942	15.8	9 893	26.4
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	**171**	**100.0**	**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	–	–	–	–	–	–
Deep draft	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**12 026**	**100.0**	**259**	**100.0**	**357**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	205	1.7	S	S	S	S
100 to 249 miles	415	3.4	10	4.0	3	1.0
250 to 499 miles	2 518	20.9	47	18.1	38	10.5
500 to 749 miles	2 376	19.8	41	15.9	46	12.9
750 to 999 miles	1 804	15.0	46	17.6	68	19.1
1,000 to 1,499 miles	3 571	29.7	69	26.6	119	33.2
1,500 to 1,999 miles	1 022	8.5	S	S	S	S
2,000 miles or more	115	1.0	3	1.0	11	3.1
Pipeline[2]	**3 640**	**100.0**	**16 103**	**100.0**	**S**	**S**
Less than 50 miles	2 116	58.1	9 187	57.1	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	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	**84 088**	**100.0**	**33 244**	**100.0**	**31 890**	**100.0**
Less than 50 miles	8 318	9.9	710	2.1	14	–
50 to 99 miles	3 400	4.0	322	1.0	35	.1
100 to 249 miles	9 531	11.3	716	2.2	193	.6
250 to 499 miles	14 708	17.5	15 029	45.2	12 890	40.4
500 to 749 miles	12 557	14.9	7 630	23.0	6 560	20.6
750 to 999 miles	12 114	14.4	6 464	19.4	7 554	23.7
1,000 to 1,499 miles	18 099	21.5	1 819	5.5	3 103	9.7
1,500 to 1,999 miles	4 824	5.7	442	1.3	970	3.0
2,000 miles or more	538	.6	S	S	S	S
Parcel, U.S. Postal Service or courier	**75 623**	**100.0**	**2 794**	**100.0**	**2 139**	**100.0**
Less than 50 miles	8 179	10.8	312	11.2	7	.3
50 to 99 miles	3 356	4.4	157	5.6	15	.7
100 to 249 miles	9 361	12.4	378	13.5	80	3.8
250 to 499 miles	13 560	17.9	476	17.0	219	10.2
500 to 749 miles	11 115	14.7	402	14.4	307	14.3
750 to 999 miles	10 215	13.5	421	15.1	449	21.0
1,000 to 1,499 miles	15 530	20.5	526	18.8	772	36.1
1,500 to 1,999 miles	3 804	5.0	97	3.5	191	8.9
2,000 miles or more	503	.7	25	.9	S	S
Truck and rail	**7 419**	**100.0**	**4 551**	**100.0**	**5 253**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	152	2.0	224	4.9	71	1.4
250 to 499 miles	790	10.6	1 391	30.6	851	16.2
500 to 749 miles	1 204	16.2	544	12.0	464	8.8
750 to 999 miles	1 640	22.1	720	15.8	870	16.6
1,000 to 1,499 miles	2 561	34.5	1 230	27.0	2 202	41.9
1,500 to 1,999 miles	1 020	13.7	345	7.6	778	14.8
2,000 miles or more	–	–	–	–	–	–
Truck and water	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	–	–	–	–	–	–
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	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	31	18.2	S	S	S	S

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	**740**	**100.0**	**24 333**	**100.0**	**22 659**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	353	47.7	13 162	54.1	11 819	52.2
500 to 749 miles	237	32.1	6 684	27.5	5 789	25.5
750 to 999 miles	143	19.3	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**26**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	3	.6	13	50.7
Other and unknown modes	**18 527**	**100.0**	**51 713**	**100.0**	**8 428**	**100.0**
Less than 50 miles	7 676	41.4	42 168	81.5	600	7.1
50 to 99 miles	1 287	6.9	1 136	2.2	106	1.3
100 to 249 miles	1 801	9.7	2 127	4.1	444	5.3
250 to 499 miles	1 749	9.4	S	S	S	S
500 to 749 miles	1 345	7.3	589	1.1	419	5.0
750 to 999 miles	1 030	5.6	523	1.0	S	S
1,000 to 1,499 miles	3 247	17.5	3 642	7.0	5 106	60.6
1,500 to 1,999 miles	371	2.0	260	.5	494	5.9
2,000 miles or more	20	.1	2	–	7	–

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

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

Table 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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**	**562**
Less than 50 lb	68 424	11.7	2 254	.2	1 408	.4	697
50 to 99 lb	18 238	3.1	1 273	.1	444	.1	349
100 to 499 lb	53 932	9.2	7 109	.7	1 573	.4	231
500 to 749 lb	17 715	3.0	3 529	.3	696	.2	195
750 to 999 lb	10 434	1.8	3 011	.3	589	.2	195
1,000 to 9,999 lb	109 447	18.7	62 573	5.8	11 488	3.1	178
10,000 to 49,999 lb	225 521	38.6	381 586	35.6	82 088	22.4	206
50,000 to 99,999 lb	38 494	6.6	232 381	21.7	25 175	6.9	109
100,000 lb or more	42 003	7.2	378 787	35.3	243 722	66.4	618
Single modes	**481 594**	**100.0**	**987 547**	**100.0**	**326 864**	**100.0**	**193**
Less than 50 lb	17 454	3.6	658	–	116	–	220
50 to 99 lb	7 933	1.6	736	–	110	–	143
100 to 499 lb	37 333	7.8	6 084	.6	1 099	.3	174
500 to 749 lb	15 465	3.2	3 273	.3	631	.2	190
750 to 999 lb	9 520	2.0	2 854	.3	553	.2	193
1,000 to 9,999 lb	101 183	21.0	59 313	6.0	10 637	3.3	176
10,000 to 49,999 lb	215 162	44.7	374 303	37.9	75 978	23.2	194
50,000 to 99,999 lb	37 909	7.9	229 545	23.2	24 338	7.4	107
100,000 lb or more	39 634	8.2	310 779	31.5	213 402	65.3	624
Truck[1]	**415 405**	**100.0**	**724 875**	**100.0**	**115 643**	**100.0**	**135**
Less than 50 lb	13 003	3.1	618	–	60	–	86
50 to 99 lb	7 033	1.7	725	.1	95	–	124
100 to 499 lb	34 363	8.3	6 044	.8	1 048	.9	166
500 to 749 lb	14 862	3.6	3 259	.4	615	.5	186
750 to 999 lb	9 287	2.2	2 841	.4	539	.5	190
1,000 to 9,999 lb	99 287	23.9	59 108	8.2	10 443	9.0	174
10,000 to 49,999 lb	202 897	48.8	371 685	51.3	73 254	63.3	189
50,000 to 99,999 lb	29 487	7.1	227 081	31.3	22 241	19.2	100
100,000 lb or more	5 184	1.2	53 514	7.4	7 347	6.4	111
For-hire truck	**249 769**	**100.0**	**317 751**	**100.0**	**89 015**	**100.0**	**372**
Less than 50 lb	4 229	1.7	137	–	36	–	231
50 to 99 lb	2 822	1.1	145	–	61	–	402
100 to 499 lb	17 219	6.9	1 454	.5	758	.9	520
500 to 749 lb	9 262	3.7	851	.3	464	.5	544
750 to 999 lb	4 973	2.0	674	.2	387	.4	573
1,000 to 9,999 lb	53 812	21.5	15 297	4.8	7 511	8.4	509
10,000 to 49,999 lb	138 043	55.3	159 865	50.3	58 433	65.6	383
50,000 to 99,999 lb	16 714	6.7	119 720	37.7	15 599	17.5	132
100,000 lb or more	2 696	1.1	19 607	6.2	5 766	6.5	247
Private truck	**161 055**	**100.0**	**401 335**	**100.0**	**25 812**	**100.0**	**55**
Less than 50 lb	8 675	5.4	479	.1	24	–	44
50 to 99 lb	4 002	2.5	577	.1	33	.1	55
100 to 499 lb	16 633	10.3	4 542	1.1	284	1.1	60
500 to 749 lb	5 453	3.4	2 395	.6	150	.6	62
750 to 999 lb	4 192	2.6	2 149	.5	151	.6	70
1,000 to 9,999 lb	43 402	26.9	43 377	10.8	2 869	11.1	65
10,000 to 49,999 lb	63 587	39.5	209 376	52.2	14 256	55.2	64
50,000 to 99,999 lb	12 631	7.8	105 079	26.2	6 511	25.2	63
100,000 lb or more	2 478	1.5	33 361	8.3	1 535	5.9	64
Rail	**46 645**	**100.0**	**204 516**	**100.0**	**169 085**	**100.0**	**821**
Less than 50 lb	S	S	S	S	S	S	351
50 to 99 lb	S	S	S	S	S	S	1 301
100 to 499 lb	S	S	S	S	S	S	886
500 to 749 lb	S	S	S	S	S	S	401
750 to 999 lb	S	S	S	S	S	S	938
1,000 to 9,999 lb	S	S	83	–	S	S	1 372
10,000 to 49,999 lb	S	S	2 081	1.0	2 590	1.5	1 274
50,000 to 99,999 lb	S	S	2 140	1.0	1 984	1.2	971
100,000 lb or more	27 427	58.8	200 208	97.9	164 396	97.2	755
Water	**3 878**	**100.0**	**41 794**	**100.0**	**39 713**	**100.0**	**1 061**
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	424
500 to 749 lb	S	S	S	S	S	S	8
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	378
10,000 to 49,999 lb	S	S	S	S	S	S	356
50,000 to 99,999 lb	S	S	S	S	S	S	1 277
100,000 lb or more	3 862	99.6	41 756	99.9	39 673	99.9	1 138
Shallow draft	**3 685**	**100.0**	**37 511**	**100.0**	**37 497**	**100.0**	**1 066**
Less than 50 lb	S	S	S	S	S	S	384
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	424
500 to 749 lb	S	S	S	S	S	S	8
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	378
10,000 to 49,999 lb	S	S	S	S	S	S	356
50,000 to 99,999 lb	S	S	S	S	S	S	1 277
100,000 lb or more	3 668	99.6	37 473	99.9	37 457	99.9	1 145

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	**171**	**100.0**	**S**	**S**	**S**	**S**	**565**
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	171	100.0	S	S	S	S	565
Deep draft	**S**	**S**	**S**	**S**	**S**	**S**	**1**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	1
Air (includes truck and air)	**12 026**	**100.0**	**259**	**100.0**	**357**	**100.0**	**1 386**
Less than 50 lb	4 448	37.0	40	15.4	56	15.5	1 397
50 to 99 lb	899	7.5	12	4.5	15	4.1	1 269
100 to 499 lb	2 945	24.5	38	14.8	49	13.8	1 250
500 to 749 lb	599	5.0	11	4.4	15	4.2	1 317
750 to 999 lb	229	1.9	13	4.8	12	3.5	987
1,000 to 9,999 lb	932	7.8	63	24.4	76	21.3	1 183
10,000 to 49,999 lb	S	S	S	S	S	S	1 636
50,000 to 99,999 lb	S	S	S	S	S	S	1 592
100,000 lb or more	–	–	–	–	–	–	–
Pipeline[2]	**3 640**	**100.0**	**16 103**	**100.0**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	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	291	8.0	S	S	S	S	S
100,000 lb or more	3 161	86.8	15 302	95.0	S	S	S
Multiple modes	**84 088**	**100.0**	**33 244**	**100.0**	**31 890**	**100.0**	**881**
Less than 50 lb	48 336	57.5	1 489	4.5	1 280	4.0	893
50 to 99 lb	9 645	11.5	446	1.3	326	1.0	743
100 to 499 lb	14 968	17.8	692	2.1	450	1.4	662
500 to 749 lb	1 814	2.2	112	.3	51	.2	457
750 to 999 lb	714	.8	72	.2	31	.1	416
1,000 to 9,999 lb	1 910	2.3	489	1.5	352	1.1	S
10,000 to 49,999 lb	5 396	6.4	2 143	6.4	3 017	9.5	1 398
50,000 to 99,999 lb	S	S	437	1.3	S	S	1 244
100,000 lb or more	1 183	1.4	27 364	82.3	25 889	81.2	1 015
Parcel, U.S. Postal Service or courier	**75 623**	**100.0**	**2 794**	**100.0**	**2 139**	**100.0**	**881**
Less than 50 lb	48 332	63.9	1 488	53.3	1 280	59.8	893
50 to 99 lb	9 645	12.8	446	16.0	326	15.2	743
100 to 499 lb	14 964	19.8	687	24.6	450	21.0	663
500 to 749 lb	1 809	2.4	100	3.6	50	2.3	494
750 to 999 lb	704	.9	57	2.0	30	1.4	513
1,000 to 9,999 lb	169	.2	15	.5	4	.2	247
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**7 419**	**100.0**	**4 551**	**100.0**	**5 253**	**100.0**	**1 268**
Less than 50 lb	S	S	S	S	S	S	186
50 to 99 lb	S	S	S	S	S	S	1 016
100 to 499 lb	3	–	–	–	1	–	1 322
500 to 749 lb	S	S	S	S	S	S	1 274
750 to 999 lb	S	S	S	S	S	S	720
1,000 to 9,999 lb	1 681	22.7	291	6.4	335	6.4	1 180
10,000 to 49,999 lb	5 356	72.2	2 057	45.2	2 937	55.9	1 432
50,000 to 99,999 lb	59	.8	175	3.8	101	1.9	557
100,000 lb or more	314	4.2	2 027	44.5	1 879	35.8	941
Truck and water	**S**	**S**	**S**	**S**	**S**	**S**	**3 435**
Less than 50 lb	S	S	S	S	S	S	827
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	6 520
500 to 749 lb	S	S	S	S	S	S	2 457
750 to 999 lb	S	S	S	S	S	S	3 847
1,000 to 9,999 lb	S	S	S	S	S	S	6 081
10,000 to 49,999 lb	S	S	S	S	S	S	6 104
50,000 to 99,999 lb	S	S	S	S	S	S	5 266
100,000 lb or more	S	S	S	S	S	S	1 335

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	**740**	**100.0**	**24 333**	**100.0**	**22 659**	**100.0**	**1 411**
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	740	100.0	24 333	100.0	22 659	100.0	1 411
Other multiple modes	**S**	**S**	**S**	**S**	**26**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	1 100
50 to 99 lb	S	S	S	S	S	S	77
100 to 499 lb	S	S	S	S	S	S	14
500 to 749 lb	S	S	S	S	S	S	15
750 to 999 lb	S	S	S	S	S	S	11
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	15	56.7	S
50,000 to 99,999 lb	S	S	S	S	S	S	44
100,000 lb or more	–	–	–	–	–	–	–
Other and unknown modes	**18 527**	**100.0**	**51 713**	**100.0**	**8 428**	**100.0**	**93**
Less than 50 lb	2 635	14.2	107	.2	11	.1	82
50 to 99 lb	661	3.6	90	.2	S	S	92
100 to 499 lb	1 631	8.8	334	.6	23	.3	65
500 to 749 lb	435	2.3	144	.3	15	.2	101
750 to 999 lb	200	1.1	85	.2	5	–	63
1,000 to 9,999 lb	6 354	34.3	2 770	5.4	498	5.9	173
10,000 to 49,999 lb	4 963	26.8	5 140	9.9	3 094	36.7	549
50,000 to 99,999 lb	463	2.5	2 399	4.6	343	4.1	138
100,000 lb or more	1 186	6.4	40 644	78.6	4 431	52.6	351

– 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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**	**562**
01	Live animals and live fish	1 660	.3	1 366	.1	227	–	224
02	Cereal grains	22 559	3.9	200 917	18.7	117 679	32.0	178
03	Other agricultural products	18 183	3.1	52 839	4.9	22 065	6.0	350
04	Animal feed and products of animal origin, n.e.c.	17 147	2.9	58 359	5.4	15 628	4.3	63
05	Meat, fish, seafood, and their preparations	38 108	6.5	17 497	1.6	11 963	3.3	273
06	Milled grain products and preparations, and bakery products	16 042	2.7	24 270	2.3	15 858	4.3	330
07	Other prepared foodstuffs and fats and oils	36 759	6.3	47 403	4.4	20 754	5.7	137
08	Alcoholic beverages	7 312	1.3	8 364	.8	2 957	.8	50
09	Tobacco products	2 208	.4	200	–	20	–	76
10	Monumental or building stone	476	–	1 289	.1	246	–	S
11	Natural sands	252	–	43 611	4.1	2 290	.6	37
12	Gravel and crushed stone	958	.2	172 184	16.1	15 017	4.1	38
13	Nonmetallic minerals n.e.c.	1 337	.2	13 556	1.3	4 082	1.1	235
14	Metallic ores and concentrates	1 898	.3	49 744	4.6	37 441	10.2	448
15	Coal	337	–	34 826	3.2	564	.2	S
17	Gasoline and aviation turbine fuel	10 298	1.8	40 805	3.8	5 029	1.4	33
18	Fuel oils	4 951	.8	22 552	2.1	S	S	24
19	Coal and petroleum products, n.e.c.	5 383	.9	34 738	3.2	6 293	1.7	67
20	Basic chemicals	4 501	.8	15 151	1.4	12 329	3.4	292
21	Pharmaceutical products	17 329	3.0	861	–	497	.1	447
22	Fertilizers	3 652	.6	16 181	1.5	2 344	.6	133
23	Chemical products and preparations, n.e.c.	20 395	3.5	8 976	.8	4 316	1.2	306
24	Plastics and rubber	18 550	3.2	6 541	.6	3 442	.9	565
25	Logs and other wood in the rough	161	–	S	S	S	S	S
26	Wood products	9 874	1.7	12 757	1.2	4 441	1.2	527
27	Pulp, newsprint, paper, and paperboard	5 701	1.0	5 616	.5	2 719	.7	188
28	Paper or paperboard articles	7 781	1.3	4 759	.4	1 571	.4	380
29	Printed products	23 204	4.0	5 698	.5	2 836	.8	747
30	Textiles, leather, and articles of textiles or leather	13 506	2.3	1 335	.1	832	.2	979
31	Nonmetallic mineral products	8 375	1.4	75 016	7.0	9 754	2.7	425
32	Base metal in primary or semifinished forms and in finished basic shapes	14 876	2.5	16 139	1.5	6 995	1.9	353
33	Articles of base metal	16 662	2.9	12 957	1.2	S	S	439
34	Machinery	36 494	6.2	4 816	.4	2 911	.8	372
35	Electronic and other electrical equipment and components and office equipment	49 296	8.4	3 095	.3	2 221	.6	710
36	Motorized and other vehicles (including parts)	59 712	10.2	8 944	.8	5 948	1.6	306
37	Transportation equipment, n.e.c.	10 408	1.8	438	–	410	.1	894
38	Precision instruments and apparatus	14 110	2.4	371	–	291	–	728
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 476	1.1	1 909	.2	1 128	.3	1 054
40	Miscellaneous manufactured products	34 203	5.9	6 062	.6	3 229	.9	876
41	Waste and scrap	2 179	.4	18 506	1.7	4 395	1.2	205
43	Mixed freight	17 240	3.0	12 318	1.1	S	S	291
--	Commodity unknown	3 655	.6	6 945	.6	S	S	468

– 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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**	**562**
010	Live animals and live fish	1 660	.3	1 366	.1	227	–	224
021	Wheat	6 978	1.2	53 610	5.0	27 026	7.4	260
022	Corn, except sweet	12 037	2.1	122 406	11.4	74 802	20.4	112
029	Other cereal grains	3 544	.6	24 900	2.3	15 851	4.3	327
031	Fresh or chilled potatoes (Irish potatoes), except sweet	461	–	S	S	S	S	154
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	S	S	S	S	465	.1	406
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	88
034	Soya beans	10 702	1.8	43 240	4.0	19 401	5.3	86
035	Oil seeds and nuts, except olives and soya beans	981	.2	2 753	.3	1 035	.3	433
036	Bulbs, live plants, and seeds for sowing, n.e.c.	586	.1	356	–	78	–	664
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	645	.1	781	–	112	–	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.	4 541	.8	18 046	1.7	7 298	2.0	189
042	Animal feed preparations	12 606	2.2	40 313	3.8	8 330	2.3	54
051	Meat including poultry, except preparations	36 733	6.3	16 830	1.6	11 527	3.1	339
052	Fish, except live, and seafood, except preparations	402	–	65	–	14	–	S
053	Preparations, extracts, and juices of meat, fish, or seafood	973	.2	602	–	423	.1	468
061	Wheat flour, groats, and meal	2 083	.4	8 912	.8	5 431	1.5	353
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	2 194	.4	7 500	.7	6 463	1.8	486
063	Food preparations of cereals, flour, starch, or milk	5 497	.9	4 345	.4	2 419	.7	548
064	Bakery products	6 267	1.1	3 513	.3	1 544	.4	130
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	10 184	1.7	9 077	.8	2 135	.6	94
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	6 248	1.1	3 813	.4	1 679	.5	79
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	1 232	.2	367	–	107	–	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	4 532	.8	10 790	1.0	6 555	1.8	330
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	2 095	.4	7 666	.7	6 907	1.9	482
076	Confectionery, cocoa, and cocoa preparations	1 394	.2	552	–	328	–	443
077	Edible preparations, n.e.c. and vinegar	5 357	.9	2 903	.3	1 568	.4	336
078	Nonalcoholic beverages, n.e.c. and ice	5 716	1.0	12 236	1.1	1 477	.4	41
081	Malt Beer	4 548	.8	5 596	.5	1 311	.4	40
082	Wine and other fermented beverages	358	–	150	–	9	–	57
083	Spirituous beverages and ethyl alcohol	2 406	.4	2 618	.2	1 637	.4	95
090	Tobacco products	2 208	.4	200	–	20	–	76
100	Monumental or building stone, except dolomite	476	–	1 289	.1	246	–	S
110	Natural sands, except metal-bearing	252	–	43 611	4.1	2 290	.6	37
120	Gravel and crushed stone, except dolomite and slate	958	.2	172 184	16.1	15 017	4.1	38
131	Salt	S	S	4 533	.4	1 854	.5	84
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	246
133	Dolomite	41	–	S	S	146	–	S
139	Other nonmetallic minerals	281	–	5 074	.5	1 994	.5	477
141	Iron ores and concentrates	1 501	.3	47 673	4.4	37 263	10.1	751
149	Other metallic ores and concentrates	398	–	2 071	.2	178	–	277
151	Nonagglomerated bituminous coal	29	–	706	–	46	–	62
159	Other coal	308	–	34 120	3.2	517	.1	S
171	Gasoline	9 179	1.6	34 566	3.2	3 968	1.1	32
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	336
180	Fuel oils	4 951	.8	22 552	2.1	S	S	24
191	Lubricating oils and greases	1 355	.2	1 312	.1	228	–	101
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	309	–	S	S	S	S	78
193	Gaseous hydrocarbons	1 437	.2	4 868	.5	409	.1	20
199	Other products of petroleum refining, and coal products	2 282	.4	27 778	2.6	5 017	1.4	107
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	230	–	916	–	290	–	255
202	Inorganic chemicals, n.e.c.	2 560	.4	13 144	1.2	11 527	3.1	241
203	Cyclic hydrocarbons	S	S	63	–	S	S	327
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	324	–	274	–	86	–	572
205	Organic chemicals, n.e.c.	1 320	.2	753	–	402	.1	480
210	Pharmaceutical products	17 329	3.0	861	–	497	.1	447
220	Fertilizers and fertilizer materials	3 652	.6	16 181	1.5	2 344	.6	133
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	2 326	.4	843	–	604	.2	355
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	3 547	.6	929	–	704	.2	396
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	3 811	.7	4 663	.4	2 101	.6	445
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	973	.2	139	–	S	S	263
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	8 020	1.4	1 403	.1	444	.1	109
239	Other chemical products and preparations	1 719	.3	999	–	380	.1	221
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 615	.3	914	–	612	.2	492
242	Manmade fibers and plastics basic shapes and articles	11 522	2.0	4 083	.4	1 880	.5	675

See footnotes at end of table.

Table 6. **Shipment Characteristics by Three-Digit Commodity for the Division: 1997**—Con.

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	5 413	.9	1 544	.1	950	.3	268
250	Logs and other wood in the rough	161	–	S	S	S	S	S
261	Wood chips or particles	71	–	1 885	.2	S	S	217
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	3 260	.6	5 360	.5	1 078	.3	474
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	1 519	.3	3 212	.3	1 742	.5	716
264	Builders' joinery and carpentry of wood, except shingles and shakes	4 139	.7	1 020	.1	549	.1	255
269	Other wood products	886	.2	1 281	.1	230	–	753
271	Pulp of fibrous cellulosic materials	S	S	S	S	S	S	150
272	Newsprint in large rolls or sheets	S	S	S	S	S	S	101
273	Uncoated paper and paperboard in large rolls or sheets	2 809	.5	3 445	.3	1 420	.4	92
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	2 771	.5	1 926	.2	1 269	.3	406
280	Paper or paperboard articles	7 781	1.3	4 759	.4	1 571	.4	380
291	Printed books, brochures, leaflets, and similar printed products	9 582	1.6	1 915	.2	1 048	.3	1 065
292	Newspapers, journals, and periodicals	2 898	.5	1 080	.1	258	–	170
293	Advertising material, commercial or trade catalogues, and similar printed products	3 546	.6	1 432	.1	755	.2	758
299	Other printed products	7 179	1.2	1 271	.1	774	.2	496
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	474	–	S	S	S	S	474
302	Textile clothing and accessories, and headgear, except safety	6 640	1.1	422	–	179	–	895
303	Textiles and textile articles, n.e.c.	2 533	.4	327	–	167	–	1 124
304	Footwear	S	S	S	S	S	S	1 025
305	Leather and articles, luggage of related materials, and dressed furskins and articles	752	.1	108	–	92	–	943
311	Hydraulic cements	1 172	.2	17 745	1.7	1 747	.5	61
312	Ceramic products	930	.2	1 616	.2	712	.2	619
313	Glass and glass products	1 772	.3	1 499	.1	771	.2	753
319	Other nonmetallic mineral products	4 502	.8	54 155	5.0	6 525	1.8	104
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	1 119	.2	S	S	S	S	316
322	Flat-rolled products of iron or steel	3 388	.6	4 845	.5	849	.2	210
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	4 571	.8	6 176	.6	1 846	.5	377
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	5 799	1.0	2 893	.3	1 856	.5	453
331	Pipes, tubes, and fittings	3 687	.6	S	S	S	S	207
332	Structures and parts, except prefabricated buildings	3 697	.6	1 742	.2	801	.2	316
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	5 393	.9	852	–	454	.1	484
339	Other articles of metal	3 885	.7	2 183	.2	942	.3	608
341	Internal-combustion piston engines	3 493	.6	343	–	152	–	254
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	1 447	.2	119	–	100	–	367
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	3 973	.7	350	–	206	–	521
344	Air-conditioning, refrigerating, or freezing equipment	3 674	.6	595	–	495	.1	524
345	Materials-handling, excavating, boring, and related machinery and equipment	5 278	.9	772	–	526	.1	440
349	Other machinery	18 629	3.2	2 637	.2	1 433	.4	352
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	3 738	.6	544	–	491	.1	591
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 057	.2	165	–	88	–	975
353	Line telephone or telegraph apparatus	2 075	.4	73	–	64	–	872
354	Electronic entertainment products, except parts	1 431	.2	93	–	84	–	1 167
355	Computer and office equipment	16 434	2.8	282	–	230	–	960
356	Prepared unrecorded or prerecorded media	3 207	.5	22	–	25	–	1 084
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	1 160	.2	9	–	9	–	1 075
358	Electronic components and parts	5 473	.9	52	–	40	–	825
359	Other electronic and electrical equipment	14 720	2.5	1 856	.2	1 189	.3	383
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	22 213	3.8	2 876	.3	3 056	.8	910
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	3 612	.6	612	–	304	–	452
363	Other vehicles	18 024	3.1	2 749	.3	1 446	.4	591
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	15 863	2.7	2 707	.3	1 142	.3	236
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	843	.1	196	–	112	–	762
372	Aircraft and spacecraft	7 927	1.4	S	S	S	S	993
373	Ships, boats, and floating structures	1 637	.3	132	–	108	–	726
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	421	–	S	S	6	–	840
382	Photographic and photocopying machines	1 512	.3	61	–	S	S	619
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	610	.1	S	S	S	S	1 036
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	7 752	1.3	185	–	171	–	891
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	3 815	.7	102	–	72	–	416

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	6 476	1.1	1 909	.2	1 128	.3	1 054
401	Arms and ammunition	S	S	124	–	116	–	950
402	Toys, games, and sporting equipment	3 583	.6	340	–	287	–	1 035
409	Miscellaneous manufactured products	27 421	4.7	5 598	.5	2 827	.8	823
411	Metallic waste and scrap	1 808	.3	13 327	1.2	2 993	.8	114
412	Nonmetallic waste and scrap, except from food processing	371	–	5 179	.5	1 403	.4	324
439	Mixed freight	17 240	3.0	12 318	1.1	S	S	291
—	Commodity unknown	3 655	.6	6 945	.6	S	S	468

– 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	**584 209**	**100.0**	**1 072 504**	**100.0**	**367 183**	**100.0**	**562**
Single modes	**481 594**	**82.4**	**987 547**	**92.1**	**326 864**	**89.0**	**193**
Truck[1]	415 405	71.1	724 875	67.6	115 643	31.5	135
For-hire truck	249 769	42.8	317 751	29.6	89 015	24.2	372
Private truck	161 055	27.6	401 335	37.4	25 812	7.0	55
Rail	46 645	8.0	204 516	19.1	169 085	46.0	821
Water	3 878	.7	41 794	3.9	39 713	10.8	1 061
Shallow draft	3 685	.6	37 511	3.5	37 497	10.2	1 066
Great Lakes	171	–	S	S	S	S	565
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	12 026	2.1	259	–	357	.1	1 386
Pipeline[2]	3 640	.6	16 103	1.5	S	S	S
Multiple modes	**84 088**	**14.4**	**33 244**	**3.1**	**31 890**	**8.7**	**881**
Parcel, U.S. Postal Service or courier	75 623	12.9	2 794	.3	2 139	.6	881
Truck and rail	7 419	1.3	4 551	.4	5 253	1.4	1 268
Truck and water	S	S	S	S	S	S	3 435
Rail and water	740	.1	24 333	2.3	22 659	6.2	1 411
Other multiple modes	S	S	S	S	26	–	S
Other and unknown modes	**18 527**	**3.2**	**51 713**	**4.8**	**8 428**	**2.3**	**93**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**1 660**	**100.0**	**1 366**	**100.0**	**227**	**100.0**	**224**
Single modes	**1 613**	**97.2**	**1 337**	**97.9**	**216**	**95.2**	**224**
Truck[1]	1 605	96.7	1 337	97.9	216	95.1	192
For-hire truck	851	51.3	769	56.3	154	67.7	200
Private truck	754	45.4	S	S	S	S	191
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 732
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**	**171**
SCTG 02, CEREAL GRAINS							
Total	**22 559**	**100.0**	**200 917**	**100.0**	**117 679**	**100.0**	**178**
Single modes	**22 075**	**97.9**	**197 294**	**98.2**	**114 977**	**97.7**	**178**
Truck[1]	10 228	45.3	89 832	44.7	10 142	8.6	122
For-hire truck	7 008	31.1	58 788	29.3	8 264	7.0	186
Private truck	3 216	14.3	30 999	15.4	1 872	1.6	52
Rail	10 173	45.1	91 119	45.4	85 004	72.2	753
Water	1 670	7.4	16 304	8.1	19 822	16.8	1 263
Shallow draft	1 603	7.1	15 738	7.8	19 821	16.8	1 268
Great Lakes	S	S	S	S	S	S	1
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**944**
Parcel, U.S. Postal Service or courier	S	S	S	S	–	–	329
Truck and rail	S	S	S	S	S	S	874
Truck and water	S	S	S	S	S	S	4 721
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**407**	**1.8**	**2 813**	**1.4**	**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	**18 183**	**100.0**	**52 839**	**100.0**	**22 065**	**100.0**	**350**
Single modes	**17 531**	**96.4**	**51 191**	**96.9**	**20 883**	**94.6**	**82**
Truck[1]	13 700	75.3	35 913	68.0	4 077	18.5	78
For-hire truck	5 321	29.3	17 975	34.0	2 803	12.7	120
Private truck	8 320	45.8	17 701	33.5	1 263	5.7	64
Rail	2 166	11.9	8 617	16.3	8 408	38.1	599
Water	1 665	9.2	6 661	12.6	8 398	38.1	1 269
Shallow draft	1 665	9.2	6 661	12.6	8 398	38.1	1 269
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 766
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**188**	**1.0**	**S**	**S**	**S**	**S**	**857**
Parcel, U.S. Postal Service or courier	89	.5	8	–	5	–	857
Truck and rail	S	S	S	S	S	S	1 045
Truck and water	S	S	S	S	S	S	1 461
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**465**	**2.6**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**17 147**	**100.0**	**58 359**	**100.0**	**15 628**	**100.0**	**63**
Single modes	**16 361**	**95.4**	**56 296**	**96.5**	**13 662**	**87.4**	**59**
Truck[1]	14 954	87.2	49 943	85.6	7 583	48.5	53
For-hire truck	7 394	43.1	18 107	31.0	5 616	35.9	268
Private truck	7 476	43.6	31 375	53.8	1 889	12.1	28
Rail	1 403	8.2	6 317	10.8	6 044	38.7	979
Water	S	S	S	S	S	S	1 277
Shallow draft	S	S	S	S	S	S	1 277
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 005
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**513**	**3.0**	**1 076**	**1.8**	**1 644**	**10.5**	**791**
Parcel, U.S. Postal Service or courier	15	–	2	–	1	–	477
Truck and rail	473	2.8	867	1.5	1 303	8.3	1 476
Truck and water	–	–	–	–	–	–	–
Rail and water	25	.1	206	.4	334	2.1	1 604
Other multiple modes	S	S	S	S	S	S	4 280
Other and unknown modes	**273**	**1.6**	**987**	**1.7**	**322**	**2.1**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**38 108**	**100.0**	**17 497**	**100.0**	**11 963**	**100.0**	**273**
Single modes	**37 746**	**99.0**	**17 345**	**99.1**	**11 827**	**98.9**	**264**
Truck[1]	36 995	97.1	16 921	96.7	11 182	93.5	259
For-hire truck	29 439	77.3	13 238	75.7	10 146	84.8	788
Private truck	7 520	19.7	3 664	20.9	1 016	8.5	81
Rail	739	1.9	420	2.4	644	5.4	1 793
Water	S	S	S	S	S	S	9
Shallow draft	S	S	S	S	S	S	9
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 358
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**52**	**.1**	**18**	**.1**	**S**	**S**	**965**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	952
Truck and rail	S	S	S	S	S	S	2 076
Truck and water	S	S	S	S	S	S	4 532
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**311**	**.8**	**133**	**.8**	**97**	**.8**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**16 042**	**100.0**	**24 270**	**100.0**	**15 858**	**100.0**	**330**
Single modes	**15 184**	**94.7**	**23 525**	**96.9**	**15 197**	**95.8**	**202**
Truck[1]	13 150	82.0	14 711	60.6	6 471	40.8	184
For-hire truck	8 911	55.6	10 354	42.7	5 589	35.2	547
Private truck	4 229	26.4	4 341	17.9	872	5.5	108
Rail	1 957	12.2	8 156	33.6	7 982	50.3	962
Water	S	S	S	S	S	S	1 235
Shallow draft	S	S	S	S	S	S	1 235
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	–	–	–	–	846
Pipeline[2]	15	–	55	.2	S	S	S
Multiple modes	**S**	**S**	**344**	**1.4**	**334**	**2.1**	**692**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	690
Truck and rail	125	.8	331	1.4	326	2.1	1 005
Truck and water	S	S	S	S	S	S	1 180
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**409**	**2.5**	**401**	**1.7**	**328**	**2.1**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**36 759**	**100.0**	**47 403**	**100.0**	**20 754**	**100.0**	**137**
Single modes	**35 757**	**97.3**	**46 309**	**97.7**	**19 922**	**96.0**	**93**
Truck[1]	31 977	87.0	35 614	75.1	8 813	42.5	87
For-hire truck	15 462	42.1	17 145	36.2	6 376	30.7	396
Private truck	16 273	44.3	18 268	38.5	2 402	11.6	61
Rail	3 756	10.2	10 657	22.5	11 043	53.2	1 030
Water	S	S	S	S	S	S	1 619
Shallow draft	S	S	S	S	S	S	1 619
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 454
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**296**	**.8**	**S**	**S**	**S**	**S**	**811**
Parcel, U.S. Postal Service or courier	S	S	18	–	9	–	809
Truck and rail	171	.5	S	S	S	S	1 198
Truck and water	S	S	S	S	S	S	2 573
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**7 312**	**100.0**	**8 364**	**100.0**	**2 957**	**100.0**	**50**
Single modes	**7 128**	**97.5**	**8 001**	**95.7**	**2 813**	**95.1**	**49**
Truck[1]	6 087	83.2	6 592	78.8	1 451	49.1	47
For-hire truck	1 840	25.2	2 341	28.0	996	33.7	199
Private truck	4 224	57.8	4 230	50.6	455	15.4	40
Rail	1 041	14.2	1 409	16.8	1 362	46.1	906
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**17**	**.2**	**S**	**S**	**S**	**S**	**844**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	874
Truck and rail	S	S	S	S	S	S	804
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	4 611
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 09, TOBACCO PRODUCTS							
Total	**2 208**	**100.0**	**200**	**100.0**	**20**	**100.0**	**76**
Single modes	**2 203**	**99.8**	**199**	**99.9**	**20**	**99.7**	**75**
Truck[1]	2 203	99.8	199	99.9	20	99.7	75
For-hire truck	S	S	S	S	S	S	S
Private truck	1 737	78.6	174	87.0	17	83.7	71
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4**	**.2**	**–**	**–**	**S**	**S**	**413**
Parcel, U.S. Postal Service or courier	3	.2	–	–	S	S	573
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	43
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**72**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**476**	**100.0**	**1 289**	**100.0**	**246**	**100.0**	**S**
Single modes	**465**	**97.6**	**1 278**	**99.2**	**246**	**100.0**	**S**
Truck[1]	460	96.6	1 254	97.3	207	84.2	S
For-hire truck	190	40.0	182	14.1	123	50.0	789
Private truck	S	S	1 072	83.2	S	S	54
Rail	S	S	S	S	S	S	1 590
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**4**
SCTG 11, NATURAL SANDS							
Total	**252**	**100.0**	**43 611**	**100.0**	**2 290**	**100.0**	**37**
Single modes	**242**	**96.0**	**43 075**	**98.8**	**2 201**	**96.1**	**36**
Truck[1]	206	81.9	41 964	96.2	1 472	64.3	32
For-hire truck	48	18.9	10 221	23.4	667	29.1	62
Private truck	159	63.0	31 742	72.8	805	35.2	25
Rail	S	S	S	S	S	S	674
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**	**471**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	201
Truck and rail	S	S	S	S	S	S	1 822
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**65**

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	**958**	**100.0**	**172 184**	**100.0**	**15 017**	**100.0**	**38**
Single modes	**912**	**95.2**	**169 533**	**98.5**	**14 353**	**95.6**	**37**
Truck[1]	827	86.3	151 512	88.0	5 890	39.2	35
For-hire truck	246	25.7	46 535	27.0	1 910	12.7	26
Private truck	568	59.3	102 550	59.6	3 931	26.2	40
Rail	52	5.4	7 231	4.2	2 152	14.3	343
Water	34	3.5	10 789	6.3	6 312	42.0	645
Shallow draft	34	3.5	10 789	6.3	6 312	42.0	645
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**878**	**.5**	**S**	**S**	**705**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	97
Truck and rail	S	S	877	.5	S	S	712
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**10**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**1 337**	**100.0**	**13 556**	**100.0**	**4 082**	**100.0**	**235**
Single modes	**S**	**S**	**12 779**	**94.3**	**3 807**	**93.3**	**97**
Truck[1]	S	S	10 233	75.5	1 383	33.9	72
For-hire truck	250	18.7	4 615	34.0	920	22.5	205
Private truck	S	S	4 998	36.9	376	9.2	45
Rail	78	5.8	2 463	18.2	2 412	59.1	1 051
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 024
Pipeline[2]	11	.8	71	.5	S	S	S
Multiple modes	**10**	**.8**	**272**	**2.0**	**149**	**3.7**	**965**
Parcel, U.S. Postal Service or courier	S	S	1	–	S	S	969
Truck and rail	4	.3	271	2.0	149	3.7	709
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**1 898**	**100.0**	**49 744**	**100.0**	**37 441**	**100.0**	**448**
Single modes	**1 069**	**56.3**	**25 593**	**51.4**	**15 114**	**40.4**	**429**
Truck[1]	248	13.1	1 863	3.7	S	S	424
For-hire truck	239	12.6	1 846	3.7	S	S	557
Private truck	S	S	S	S	S	S	47
Rail	693	36.5	19 992	40.2	12 510	33.4	300
Water	S	S	S	S	S	S	607
Shallow draft	–	–	–	–	–	–	–
Great Lakes	S	S	S	S	S	S	747
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	S	S	S	S	S	S	1 465
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**807**	**42.5**	**24 127**	**48.5**	**22 325**	**59.6**	**1 014**
Parcel, U.S. Postal Service or courier	92	4.8	S	S	S	S	1 023
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	715	37.7	24 127	48.5	22 325	59.6	913
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**27**

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	**337**	**100.0**	**34 826**	**100.0**	**564**	**100.0**	**S**
Single modes	**52**	**15.3**	**752**	**2.2**	**72**	**12.8**	**116**
Truck[1]	51	15.2	751	2.2	71	12.6	115
For-hire truck	48	14.3	743	2.1	69	12.2	S
Private truck	S	S	S	S	S	S	261
Rail	S	S	S	S	S	S	1 001
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**	**586**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	586
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**285**	**84.7**	**34 075**	**97.8**	**492**	**87.2**	**20**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**10 298**	**100.0**	**40 805**	**100.0**	**5 029**	**100.0**	**33**
Single modes	**10 096**	**98.0**	**40 226**	**98.6**	**5 006**	**99.5**	**36**
Truck[1]	7 451	72.4	27 495	67.4	1 614	32.1	31
For-hire truck	2 394	23.2	9 692	23.8	730	14.5	59
Private truck	5 026	48.8	17 709	43.4	880	17.5	26
Rail	S	S	S	S	S	S	1 459
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 762
Pipeline[2]	2 397	23.3	11 657	28.6	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**16**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	16
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 18, FUEL OILS							
Total	**4 951**	**100.0**	**22 552**	**100.0**	**S**	**S**	**24**
Single modes	**4 787**	**96.7**	**21 890**	**97.1**	**S**	**S**	**25**
Truck[1]	3 823	77.2	17 041	75.6	799	30.9	22
For-hire truck	828	16.7	4 492	19.9	407	15.7	50
Private truck	2 907	58.7	12 328	54.7	379	14.7	20
Rail	S	S	S	S	S	S	736
Water	S	S	S	S	S	S	136
Shallow draft	S	S	S	S	S	S	136
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	692	14.0	2 439	10.8	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	59
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	13
Other and unknown modes	**S**	**S**	**S**	**S**	**10**	**.4**	**18**

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	**5 383**	**100.0**	**34 738**	**100.0**	**6 293**	**100.0**	**67**
Single modes	**5 290**	**98.3**	**34 466**	**99.2**	**6 265**	**99.6**	**60**
Truck[1]	3 714	69.0	17 730	51.0	1 433	22.8	53
For-hire truck	1 269	23.6	6 962	20.0	840	13.4	178
Private truck	2 438	45.3	10 687	30.8	584	9.3	31
Rail	S	S	14 230	41.0	4 032	64.1	284
Water	S	S	S	S	S	S	399
Shallow draft	S	S	S	S	S	S	399
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	831
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**52**	**1.0**	**S**	**S**	**5**	**–**	**277**
Parcel, U.S. Postal Service or courier	27	.5	5	–	2	–	386
Truck and rail	S	S	S	S	S	S	693
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	14
Other and unknown modes	**41**	**.8**	**202**	**.6**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**4 501**	**100.0**	**15 151**	**100.0**	**12 329**	**100.0**	**292**
Single modes	**4 079**	**90.6**	**15 025**	**99.2**	**12 215**	**99.1**	**278**
Truck[1]	3 222	71.6	6 158	40.6	2 939	23.8	123
For-hire truck	2 246	49.9	4 117	27.2	2 721	22.1	556
Private truck	914	20.3	1 930	12.7	191	1.5	37
Rail	643	14.3	8 150	53.8	8 601	69.8	1 029
Water	S	S	S	S	S	S	1 029
Shallow draft	S	S	S	S	S	S	1 029
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	146	3.3	S	S	S	S	1 312
Pipeline[2]	36	.8	65	.4	S	S	S
Multiple modes	**320**	**7.1**	**S**	**S**	**S**	**S**	**506**
Parcel, U.S. Postal Service or courier	154	3.4	5	–	2	–	501
Truck and rail	S	S	S	S	S	S	1 221
Truck and water	S	S	S	S	S	S	945
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**102**	**2.3**	**55**	**.4**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**17 329**	**100.0**	**861**	**100.0**	**497**	**100.0**	**447**
Single modes	**10 595**	**61.1**	**736**	**85.5**	**449**	**90.3**	**422**
Truck[1]	9 930	57.3	728	84.5	439	88.2	188
For-hire truck	7 873	45.4	574	66.6	405	81.6	314
Private truck	1 885	10.9	153	17.8	32	6.5	79
Rail	S	S	S	S	S	S	266
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	659	3.8	8	.9	10	1.9	1 407
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 475**	**37.4**	**117**	**13.6**	**45**	**9.1**	**461**
Parcel, U.S. Postal Service or courier	6 441	37.2	114	13.2	43	8.6	461
Truck and rail	34	.2	3	.4	3	.6	844
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**165**

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	**3 652**	**100.0**	**16 181**	**100.0**	**2 344**	**100.0**	**133**
Single modes	**3 483**	**95.4**	**15 512**	**95.9**	**2 278**	**97.2**	**40**
Truck[1]	3 198	87.6	13 548	83.7	1 086	46.4	35
For-hire truck	810	22.2	3 866	23.9	630	26.9	92
Private truck	2 382	65.2	9 679	59.8	455	19.4	24
Rail	265	7.3	1 773	11.0	1 187	50.7	648
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	912
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 148**
Parcel, U.S. Postal Service or courier	S	S	1	–	1	–	1 148
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	370
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**154**	**4.2**	**562**	**3.5**	**26**	**1.1**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**20 395**	**100.0**	**8 976**	**100.0**	**4 316**	**100.0**	**306**
Single modes	**18 970**	**93.0**	**8 494**	**94.6**	**3 931**	**91.1**	**175**
Truck[1]	17 919	87.9	7 926	88.3	3 360	77.9	167
For-hire truck	11 871	58.2	6 279	70.0	2 959	68.6	409
Private truck	5 892	28.9	1 521	16.9	285	6.6	64
Rail	S	S	566	6.3	569	13.2	984
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	9	–	1	–	2	–	1 493
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**995**	**4.9**	**266**	**3.0**	**334**	**7.7**	**566**
Parcel, U.S. Postal Service or courier	754	3.7	65	.7	27	.6	564
Truck and rail	240	1.2	201	2.2	306	7.1	1 526
Truck and water	S	S	S	S	S	S	3 741
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**430**	**2.1**	**S**	**S**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**18 550**	**100.0**	**6 541**	**100.0**	**3 442**	**100.0**	**565**
Single modes	**15 648**	**84.4**	**6 118**	**93.5**	**3 171**	**92.1**	**196**
Truck[1]	14 762	79.6	5 490	83.9	2 587	75.2	177
For-hire truck	10 856	58.5	4 329	66.2	2 384	69.3	456
Private truck	3 895	21.0	1 157	17.7	200	5.8	70
Rail	799	4.3	622	9.5	578	16.8	973
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	87	.5	5	–	6	.2	1 416
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 991**	**10.7**	**171**	**2.6**	**153**	**4.4**	**870**
Parcel, U.S. Postal Service or courier	1 908	10.3	122	1.9	87	2.5	869
Truck and rail	83	.4	S	S	S	S	1 487
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**910**	**4.9**	**252**	**3.9**	**118**	**3.4**	**54**

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	**161**	**100.0**	**S**	**S**	**S**	**S**	**S**
Single modes	**157**	**97.3**	**S**	**S**	**S**	**S**	**67**
Truck[1]	150	93.0	S	S	S	S	65
For-hire truck	79	49.3	S	S	S	S	117
Private truck	70	43.6	S	S	S	S	53
Rail	S	S	S	S	S	S	924
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 045**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 042
Truck and rail	S	S	S	S	S	S	1 950
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**–**	**–**	**11**
SCTG 26, WOOD PRODUCTS							
Total	**9 874**	**100.0**	**12 757**	**100.0**	**4 441**	**100.0**	**527**
Single modes	**9 493**	**96.1**	**11 929**	**93.5**	**3 604**	**81.2**	**139**
Truck[1]	9 288	94.1	11 212	87.9	2 371	53.4	134
For-hire truck	5 054	51.2	5 204	40.8	1 740	39.2	400
Private truck	4 197	42.5	5 960	46.7	628	14.1	76
Rail	205	2.1	717	5.6	1 233	27.8	1 709
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	S	S	1 597
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**199**	**2.0**	**43**	**.3**	**S**	**S**	**1 040**
Parcel, U.S. Postal Service or courier	165	1.7	S	S	S	S	1 040
Truck and rail	34	.3	16	.1	20	.5	1 341
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**182**	**1.8**	**S**	**S**	**S**	**S**	**159**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**5 701**	**100.0**	**5 616**	**100.0**	**2 719**	**100.0**	**188**
Single modes	**5 246**	**92.0**	**5 188**	**92.4**	**2 441**	**89.8**	**99**
Truck[1]	4 402	77.2	4 170	74.2	1 347	49.5	90
For-hire truck	2 356	41.3	2 512	44.7	1 215	44.7	218
Private truck	1 901	33.3	1 573	28.0	97	3.6	45
Rail	809	14.2	995	17.7	1 057	38.9	1 083
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	35	.6	S	S	S	S	1 034
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**341**	**6.0**	**159**	**2.8**	**S**	**S**	**521**
Parcel, U.S. Postal Service or courier	185	3.2	32	.6	7	.3	518
Truck and rail	S	S	S	S	S	S	1 554
Truck and water	S	S	S	S	S	S	494
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**114**	**2.0**	**270**	**4.8**	**83**	**3.0**	**68**

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	**7 781**	**100.0**	**4 759**	**100.0**	**1 571**	**100.0**	**380**
Single modes	**7 222**	**92.8**	**4 631**	**97.3**	**1 506**	**95.9**	**153**
Truck[1]	7 202	92.6	4 578	96.2	1 461	93.0	138
For-hire truck	5 103	65.6	3 107	65.3	1 280	81.5	389
Private truck	2 099	27.0	1 471	30.9	181	11.5	49
Rail	S	S	S	S	S	S	837
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	14	.2	1	–	1	–	1 243
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**389**	**5.0**	**37**	**.8**	**36**	**2.3**	**854**
Parcel, U.S. Postal Service or courier	376	4.8	31	.7	25	1.6	854
Truck and rail	S	S	S	S	S	S	1 762
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**171**	**2.2**	**90**	**1.9**	**28**	**1.8**	**51**
SCTG 29, PRINTED PRODUCTS							
Total	**23 204**	**100.0**	**5 698**	**100.0**	**2 836**	**100.0**	**747**
Single modes	**14 105**	**60.8**	**5 011**	**87.9**	**2 302**	**81.2**	**157**
Truck[1]	13 563	58.4	4 978	87.4	2 257	79.6	98
For-hire truck	9 686	41.7	3 993	70.1	2 183	77.0	S
Private truck	3 806	16.4	953	16.7	69	2.4	S
Rail	S	S	S	S	S	S	1 611
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	514	2.2	30	.5	40	1.4	1 269
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**8 092**	**34.9**	**527**	**9.3**	**482**	**17.0**	**933**
Parcel, U.S. Postal Service or courier	8 012	34.5	496	8.7	430	15.1	933
Truck and rail	79	.3	30	.5	47	1.7	1 548
Truck and water	S	S	S	S	S	S	2 045
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 008**	**4.3**	**160**	**2.8**	**52**	**1.8**	**146**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**13 506**	**100.0**	**1 335**	**100.0**	**832**	**100.0**	**979**
Single modes	**8 142**	**60.3**	**1 073**	**80.4**	**593**	**71.2**	**611**
Truck[1]	8 039	59.5	1 071	80.2	589	70.8	332
For-hire truck	5 316	39.4	680	51.0	S	S	571
Private truck	2 719	20.1	390	29.2	S	S	110
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	103	.8	2	.2	3	.4	1 356
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**5 051**	**37.4**	**211**	**15.8**	**193**	**23.2**	**1 020**
Parcel, U.S. Postal Service or courier	5 048	37.4	208	15.6	188	22.5	1 020
Truck and rail	S	S	S	S	S	S	2 185
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**313**	**2.3**	**51**	**3.8**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	**8 375**	**100.0**	**75 016**	**100.0**	**9 754**	**100.0**	**425**
Single modes	**7 854**	**93.8**	**72 116**	**96.1**	**7 112**	**72.9**	**114**
Truck[1]	7 575	90.4	68 512	91.3	5 837	59.8	101
For-hire truck	3 711	44.3	19 543	26.1	3 894	39.9	286
Private truck	3 578	42.7	48 413	64.5	1 790	18.4	53
Rail	161	1.9	2 019	2.7	782	8.0	434
Water	S	S	S	S	S	S	316
Shallow draft	S	S	S	S	S	S	316
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	1	–	1 031
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**377**	**4.5**	**311**	**.4**	**S**	**S**	**965**
Parcel, U.S. Postal Service or courier	230	2.7	60	–	53	.5	964
Truck and rail	S	S	S	S	S	S	1 655
Truck and water	S	S	S	S	S	S	4 487
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**145**	**1.7**	**S**	**S**	**S**	**S**	**253**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**14 876**	**100.0**	**16 139**	**100.0**	**6 995**	**100.0**	**353**
Single modes	**14 097**	**94.8**	**15 882**	**98.4**	**6 880**	**98.3**	**158**
Truck[1]	13 352	89.8	12 690	78.6	3 295	47.1	152
For-hire truck	7 470	50.2	6 494	40.2	2 558	36.6	340
Private truck	5 768	38.8	6 019	37.3	716	10.2	92
Rail	713	4.8	S	S	S	S	849
Water	S	S	S	S	S	S	456
Shallow draft	S	S	S	S	S	S	456
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	27	.2	S	S	S	S	1 476
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**541**	**3.6**	**58**	**.4**	**38**	**.5**	**919**
Parcel, U.S. Postal Service or courier	391	2.6	25	.2	13	.2	919
Truck and rail	S	S	S	S	S	S	757
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 273
Other and unknown modes	**238**	**1.6**	**199**	**1.2**	**78**	**1.1**	**S**
SCTG 33, ARTICLES OF BASE METAL							
Total	**16 662**	**100.0**	**12 957**	**100.0**	**S**	**S**	**439**
Single modes	**13 120**	**78.7**	**12 284**	**94.8**	**S**	**S**	**221**
Truck[1]	12 930	77.6	12 147	93.7	S	S	204
For-hire truck	8 590	51.6	S	S	S	S	544
Private truck	4 329	26.0	2 264	17.5	405	5.5	62
Rail	111	.7	127	1.0	189	2.6	1 528
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	79	.5	S	S	S	S	1 557
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 845**	**17.1**	**171**	**1.3**	**153**	**2.1**	**658**
Parcel, U.S. Postal Service or courier	2 795	16.8	132	1.0	79	1.1	657
Truck and rail	48	.3	38	.3	68	.9	1 941
Truck and water	S	S	S	S	S	S	4 506
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	4 477
Other and unknown modes	**697**	**4.2**	**502**	**3.9**	**S**	**S**	**64**

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	**36 494**	**100.0**	**4 816**	**100.0**	**2 911**	**100.0**	**372**
Single modes	**29 930**	**82.0**	**4 454**	**92.5**	**2 668**	**91.6**	**281**
Truck[1]	28 666	78.5	4 339	90.1	2 516	86.4	224
For-hire truck	20 354	55.8	2 962	61.5	2 145	73.7	652
Private truck	7 782	21.3	1 261	26.2	268	9.2	50
Rail	537	1.5	98	2.0	135	4.6	1 271
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	726	2.0	16	.3	17	.6	1 196
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**5 277**	**14.5**	**236**	**4.9**	**211**	**7.2**	**494**
Parcel, U.S. Postal Service or courier	4 903	13.4	177	3.7	98	3.4	494
Truck and rail	371	1.0	59	1.2	104	3.6	1 555
Truck and water	S	S	S	S	S	S	6 639
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 287**	**3.5**	**126**	**2.6**	**33**	**1.1**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**49 296**	**100.0**	**3 095**	**100.0**	**2 221**	**100.0**	**710**
Single modes	**26 360**	**53.5**	**2 564**	**82.8**	**1 826**	**82.2**	**371**
Truck[1]	22 532	45.7	2 500	80.8	1 729	77.8	188
For-hire truck	14 362	29.1	1 734	56.0	1 525	68.7	676
Private truck	6 154	12.5	762	24.6	200	9.0	49
Rail	59	.1	26	.8	45	2.0	854
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	3 770	7.6	38	1.2	52	2.3	1 415
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**20 984**	**42.6**	**433**	**14.0**	**370**	**16.7**	**925**
Parcel, U.S. Postal Service or courier	20 910	42.4	418	13.5	351	15.8	925
Truck and rail	71	.1	15	.5	19	.9	1 035
Truck and water	S	S	S	S	S	S	708
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 952**	**4.0**	**99**	**3.2**	**26**	**1.1**	**60**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**59 712**	**100.0**	**8 944**	**100.0**	**5 948**	**100.0**	**306**
Single modes	**46 728**	**78.3**	**7 472**	**83.5**	**4 679**	**78.7**	**132**
Truck[1]	31 885	53.4	5 799	64.8	2 805	47.2	110
For-hire truck	20 695	34.7	3 465	38.7	2 357	39.6	416
Private truck	11 168	18.7	2 330	26.1	447	7.5	41
Rail	14 730	24.7	1 659	18.6	1 863	31.3	1 095
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	114	.2	13	.1	11	.2	1 295
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**8 055**	**13.5**	**802**	**9.0**	**929**	**15.6**	**668**
Parcel, U.S. Postal Service or courier	3 334	5.6	180	2.0	118	2.0	665
Truck and rail	4 721	7.9	623	7.0	811	13.6	1 213
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**4 929**	**8.3**	**670**	**7.5**	**340**	**5.7**	**60**

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	**10 408**	**100.0**	**438**	**100.0**	**410**	**100.0**	**894**
Single modes	**9 374**	**90.1**	**424**	**96.7**	**401**	**97.6**	**962**
Truck[1]	4 645	44.6	299	68.1	213	51.9	648
For-hire truck	3 114	29.9	178	40.6	132	32.1	855
Private truck	1 529	14.7	121	27.5	81	19.7	343
Rail	S	S	S	S	S	S	2 173
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	3 433	33.0	9	2.0	12	3.0	1 463
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**911**	**8.8**	**5**	**1.1**	**4**	**1.1**	**776**
Parcel, U.S. Postal Service or courier	907	8.7	4	1.0	3	.8	775
Truck and rail	S	S	S	S	S	S	2 281
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**122**	**1.2**	**9**	**2.2**	**S**	**S**	**424**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**14 110**	**100.0**	**371**	**100.0**	**291**	**100.0**	**728**
Single modes	**6 310**	**44.7**	**273**	**73.6**	**223**	**76.6**	**728**
Truck[1]	4 801	34.0	262	70.7	208	71.5	158
For-hire truck	2 683	19.0	206	55.6	199	68.6	627
Private truck	1 840	13.0	50	13.4	6	2.0	S
Rail	S	S	S	S	S	S	1 086
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 506	10.7	10	2.8	14	5.0	1 427
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**7 289**	**51.7**	**90**	**24.3**	**65**	**22.2**	**746**
Parcel, U.S. Postal Service or courier	7 259	51.4	88	23.7	60	20.6	746
Truck and rail	S	S	S	S	S	S	1 914
Truck and water	S	S	S	S	S	S	1 167
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**512**	**3.6**	**8**	**2.1**	**4**	**1.2**	**198**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**6 476**	**100.0**	**1 909**	**100.0**	**1 128**	**100.0**	**1 054**
Single modes	**5 682**	**87.7**	**1 749**	**91.6**	**964**	**85.5**	**543**
Truck[1]	5 646	87.2	1 741	91.2	948	84.1	455
For-hire truck	3 206	49.5	1 096	57.4	848	75.2	761
Private truck	2 427	37.5	644	33.7	100	8.9	143
Rail	S	S	S	S	S	S	1 323
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 565
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**579**	**8.9**	**119**	**6.2**	**154**	**13.7**	**1 204**
Parcel, U.S. Postal Service or courier	565	8.7	108	5.7	113	10.0	1 203
Truck and rail	S	S	S	S	S	S	639
Truck and water	S	S	S	S	S	S	9 104
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**215**	**3.3**	**41**	**2.2**	**10**	**.9**	**88**

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	**34 203**	**100.0**	**6 062**	**100.0**	**3 229**	**100.0**	**876**
Single modes	**23 368**	**68.3**	**5 438**	**89.7**	**2 716**	**84.1**	**437**
Truck[1]	22 267	65.1	5 375	88.7	2 633	81.5	324
For-hire truck	16 864	49.3	3 198	52.7	2 206	68.3	762
Private truck	5 372	15.7	2 161	35.6	421	13.0	87
Rail	S	S	47	.8	59	1.8	1 348
Water	S	S	S	S	S	S	383
Shallow draft	S	S	S	S	S	S	383
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	678	2.0	17	.3	24	.7	1 456
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**9 679**	**28.3**	**419**	**6.9**	**402**	**12.5**	**999**
Parcel, U.S. Postal Service or courier	9 550	27.9	395	6.5	351	10.9	999
Truck and rail	122	.4	21	.4	31	1.0	1 480
Truck and water	S	S	S	S	S	S	6 038
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	1 618
Other and unknown modes	**1 157**	**3.4**	**205**	**3.4**	**111**	**3.4**	**339**
SCTG 41, WASTE AND SCRAP							
Total	**2 179**	**100.0**	**18 506**	**100.0**	**4 395**	**100.0**	**205**
Single modes	**2 123**	**97.4**	**18 373**	**99.3**	**4 300**	**97.8**	**118**
Truck[1]	1 531	70.3	13 433	72.6	2 105	47.9	97
For-hire truck	884	40.6	3 739	20.2	978	22.2	274
Private truck	638	29.3	9 646	52.1	S	S	57
Rail	551	25.3	4 619	25.0	1 923	43.7	462
Water	S	S	S	S	S	S	802
Shallow draft	S	S	S	S	S	S	802
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**44**	**2.0**	**S**	**S**	**83**	**1.9**	**951**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	950
Truck and rail	33	1.5	S	S	82	1.9	992
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**50**
SCTG 43, MIXED FREIGHT							
Total	**17 240**	**100.0**	**12 318**	**100.0**	**S**	**S**	**291**
Single modes	**16 847**	**97.7**	**12 251**	**99.5**	**S**	**S**	**143**
Truck[1]	16 808	97.5	12 221	99.2	S	S	134
For-hire truck	3 169	18.4	S	S	S	S	507
Private truck	13 639	79.1	7 562	61.4	893	21.0	83
Rail	S	S	S	S	S	S	590
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 656
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**340**	**2.0**	**S**	**S**	**21**	**.5**	**741**
Parcel, U.S. Postal Service or courier	340	2.0	S	S	21	.5	741
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	**3 655**	**100.0**	**6 945**	**100.0**	**S**	**S**	**468**
Single modes	**2 865**	**78.4**	**6 874**	**99.0**	**S**	**S**	**219**
Truck[1]	2 220	60.7	2 236	32.2	424	21.6	187
For-hire truck	1 212	33.2	806	11.6	310	15.8	426
Private truck	1 007	27.5	1 430	20.6	114	5.8	47
Rail	S	S	S	S	S	S	937
Water	S	S	S	S	S	S	1 478
Shallow draft	S	S	S	S	S	S	1 478
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	3	–	5	.3	1 976
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**15**	**.2**	**10**	**.5**	**764**
Parcel, U.S. Postal Service or courier	S	S	15	.2	10	.5	764
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	4 529
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

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

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

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	**584 209**	**1 072 504**	**367 183**
Less than 50 miles	140 426	517 540	10 717
50 to 99 miles	46 308	105 278	9 930
100 to 249 miles	85 288	134 345	30 214
250 to 499 miles	92 955	112 235	57 434
500 to 749 miles	68 135	69 405	59 527
750 to 999 miles	57 783	54 878	64 181
1,000 to 1,499 miles	76 866	73 588	124 125
1,500 to 1,999 miles	15 748	5 116	10 458
2,000 miles or more	700	S	S
SCTG 01, Live animals and live fish	**1 660**	**1 366**	**227**
Less than 50 miles	174	85	4
50 to 99 miles	S	S	S
100 to 249 miles	399	361	59
250 to 499 miles	138	98	40
500 to 749 miles	S	26	19
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	20	30
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**22 559**	**200 917**	**117 679**
Less than 50 miles	5 954	59 348	1 579
50 to 99 miles	1 808	17 379	1 629
100 to 249 miles	3 496	31 977	7 784
250 to 499 miles	3 406	29 409	13 354
500 to 749 miles	1 610	11 362	11 158
750 to 999 miles	2 180	17 523	21 591
1,000 to 1,499 miles	4 067	33 805	60 133
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**18 183**	**52 839**	**22 065**
Less than 50 miles	6 508	19 358	692
50 to 99 miles	4 560	11 589	1 062
100 to 249 miles	2 986	7 296	1 388
250 to 499 miles	572	1 519	830
500 to 749 miles	681	2 366	2 179
750 to 999 miles	1 374	4 917	6 434
1,000 to 1,499 miles	1 481	5 751	9 397
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17 147**	**58 359**	**15 628**
Less than 50 miles	6 412	30 354	650
50 to 99 miles	2 037	6 794	635
100 to 249 miles	2 700	7 756	1 666
250 to 499 miles	2 182	5 396	2 535
500 to 749 miles	1 409	2 941	2 296
750 to 999 miles	809	1 586	1 805
1,000 to 1,499 miles	1 496	3 442	5 847
1,500 to 1,999 miles	101	90	189
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**38 108**	**17 497**	**11 963**
Less than 50 miles	3 987	2 046	46
50 to 99 miles	2 500	1 398	130
100 to 249 miles	5 021	2 569	555
250 to 499 miles	6 669	3 360	1 541
500 to 749 miles	4 919	2 377	1 801
750 to 999 miles	4 132	1 847	1 921
1,000 to 1,499 miles	10 165	3 607	5 391
1,500 to 1,999 miles	712	289	559
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**16 042**	**24 270**	**15 858**
Less than 50 miles	2 559	4 025	85
50 to 99 miles	1 029	1 134	112
100 to 249 miles	3 377	4 603	1 114
250 to 499 miles	2 720	3 708	1 814
500 to 749 miles	2 404	4 527	3 963
750 to 999 miles	1 892	2 687	2 903
1,000 to 1,499 miles	1 621	3 115	4 940
1,500 to 1,999 miles	433	470	926
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**36 759**	**47 403**	**20 754**
Less than 50 miles	11 171	12 750	314
50 to 99 miles	4 327	6 364	597
100 to 249 miles	6 819	10 315	2 158
250 to 499 miles	5 278	6 319	2 914
500 to 749 miles	3 112	3 768	3 003
750 to 999 miles	2 466	3 045	3 360
1,000 to 1,499 miles	3 136	4 055	6 758
1,500 to 1,999 miles	447	785	1 644
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	**7 312**	**8 364**	**2 957**
Less than 50 miles	3 300	3 031	63
50 to 99 miles	518	636	57
100 to 249 miles	1 217	1 562	381
250 to 499 miles	1 330	1 792	754
500 to 749 miles	268	477	371
750 to 999 miles	S	314	345
1,000 to 1,499 miles	227	378	622
1,500 to 1,999 miles	97	S	S
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	**2 208**	**200**	**20**
Less than 50 miles	1 141	82	3
50 to 99 miles	512	68	6
100 to 249 miles	458	42	8
250 to 499 miles	87	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	–	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 10, Monumental or building stone	**476**	**1 289**	**246**
Less than 50 miles	72	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	27	54	22
500 to 749 miles	35	34	27
750 to 999 miles	S	S	S
1,000 to 1,499 miles	72	46	72
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 11, Natural sands	**252**	**43 611**	**2 290**
Less than 50 miles	157	38 022	761
50 to 99 miles	18	1 858	178
100 to 249 miles	37	2 992	632
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**958**	**172 184**	**15 017**
Less than 50 miles	751	140 914	2 433
50 to 99 miles	53	11 167	1 069
100 to 249 miles	69	10 161	2 598
250 to 499 miles	38	2 887	1 799
500 to 749 miles	25	4 950	4 714
750 to 999 miles	21	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**1 337**	**13 556**	**4 082**
Less than 50 miles	415	7 270	195
50 to 99 miles	S	1 042	105
100 to 249 miles	117	1 179	267
250 to 499 miles	94	1 365	666
500 to 749 miles	67	1 461	1 111
750 to 999 miles	33	590	692
1,000 to 1,499 miles	38	633	1 016
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 14, Metallic ores and concentrates	**1 898**	**49 744**	**37 441**
Less than 50 miles	165	3 362	S
50 to 99 miles	429	8 890	913
100 to 249 miles	S	27	7
250 to 499 miles	367	13 452	11 932
500 to 749 miles	583	16 258	13 988
750 to 999 miles	S	S	S
1,000 to 1,499 miles	192	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 15, Coal	**337**	**34 826**	**564**
Less than 50 miles	307	34 504	498
50 to 99 miles	6	200	22
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	7	15	11
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

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	**10 298**	**40 805**	**5 029**
Less than 50 miles	7 271	27 722	593
50 to 99 miles	1 073	4 462	397
100 to 249 miles	930	4 075	804
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**4 951**	**22 552**	**S**
Less than 50 miles	3 889	16 372	303
50 to 99 miles	430	1 974	193
100 to 249 miles	295	1 590	286
250 to 499 miles	185	1 089	417
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**5 383**	**34 738**	**6 293**
Less than 50 miles	2 179	13 072	241
50 to 99 miles	837	5 051	362
100 to 249 miles	1 343	11 425	2 844
250 to 499 miles	738	4 421	1 905
500 to 749 miles	182	S	S
750 to 999 miles	72	64	74
1,000 to 1,499 miles	31	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 20, Basic chemicals	**4 501**	**15 151**	**12 329**
Less than 50 miles	1 019	1 929	35
50 to 99 miles	284	668	64
100 to 249 miles	457	1 836	402
250 to 499 miles	939	S	S
500 to 749 miles	543	S	S
750 to 999 miles	583	2 355	3 007
1,000 to 1,499 miles	536	3 453	5 706
1,500 to 1,999 miles	128	85	170
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	**17 329**	**861**	**497**
Less than 50 miles	2 594	117	2
50 to 99 miles	1 406	82	8
100 to 249 miles	4 795	146	31
250 to 499 miles	2 961	109	48
500 to 749 miles	2 397	141	106
750 to 999 miles	1 076	S	S
1,000 to 1,499 miles	1 780	60	86
1,500 to 1,999 miles	274	16	31
2,000 miles or more	S	–	1
SCTG 22, Fertilizers	**3 652**	**16 181**	**2 344**
Less than 50 miles	2 435	10 064	191
50 to 99 miles	358	1 867	169
100 to 249 miles	469	2 273	506
250 to 499 miles	231	1 175	555
500 to 749 miles	78	432	356
750 to 999 miles	28	137	154
1,000 to 1,499 miles	48	214	370
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**20 395**	**8 976**	**4 316**
Less than 50 miles	5 891	3 478	60
50 to 99 miles	1 240	346	31
100 to 249 miles	3 764	982	233
250 to 499 miles	2 972	1 134	548
500 to 749 miles	2 242	1 291	992
750 to 999 miles	1 749	806	851
1,000 to 1,499 miles	1 472	557	831
1,500 to 1,999 miles	1 055	382	766
2,000 miles or more	S	S	S
SCTG 24, Plastics and rubber	**18 550**	**6 541**	**3 442**
Less than 50 miles	4 140	1 331	25
50 to 99 miles	1 193	400	35
100 to 249 miles	2 662	1 020	228
250 to 499 miles	3 931	1 588	742
500 to 749 miles	2 491	934	724
750 to 999 miles	1 797	672	721
1,000 to 1,499 miles	1 716	433	635
1,500 to 1,999 miles	617	162	332
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	**161**	**S**	**S**
Less than 50 miles	71	S	S
50 to 99 miles	S	S	S
100 to 249 miles	25	154	29
250 to 499 miles	21	73	30
500 to 749 miles	8	13	11
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 26, Wood products	**9 874**	**12 757**	**4 441**
Less than 50 miles	2 809	4 927	121
50 to 99 miles	1 275	2 223	211
100 to 249 miles	1 649	2 188	431
250 to 499 miles	1 462	1 265	589
500 to 749 miles	770	543	445
750 to 999 miles	902	394	438
1,000 to 1,499 miles	856	1 023	1 738
1,500 to 1,999 miles	151	194	469
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**5 701**	**5 616**	**2 719**
Less than 50 miles	2 016	1 643	28
50 to 99 miles	402	629	65
100 to 249 miles	590	720	166
250 to 499 miles	1 084	973	441
500 to 749 miles	546	630	484
750 to 999 miles	366	365	411
1,000 to 1,499 miles	495	514	809
1,500 to 1,999 miles	201	142	314
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**7 781**	**4 759**	**1 571**
Less than 50 miles	2 790	1 608	34
50 to 99 miles	772	750	67
100 to 249 miles	1 111	844	179
250 to 499 miles	1 250	626	276
500 to 749 miles	854	343	251
750 to 999 miles	473	305	320
1,000 to 1,499 miles	419	235	352
1,500 to 1,999 miles	112	46	90
2,000 miles or more	S	S	S
SCTG 29, Printed products	**23 204**	**5 698**	**2 836**
Less than 50 miles	6 222	1 877	40
50 to 99 miles	983	350	32
100 to 249 miles	2 475	681	137
250 to 499 miles	3 870	904	396
500 to 749 miles	2 563	659	482
750 to 999 miles	2 658	440	451
1,000 to 1,499 miles	3 625	579	856
1,500 to 1,999 miles	709	195	388
2,000 miles or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**13 506**	**1 335**	**832**
Less than 50 miles	1 886	259	7
50 to 99 miles	820	115	11
100 to 249 miles	1 861	154	29
250 to 499 miles	2 813	225	101
500 to 749 miles	2 006	194	146
750 to 999 miles	1 316	117	126
1,000 to 1,499 miles	2 431	S	S
1,500 to 1,999 miles	339	25	49
2,000 miles or more	33	S	S
SCTG 31, Nonmetallic mineral products	**8 375**	**75 016**	**9 754**
Less than 50 miles	3 435	50 507	905
50 to 99 miles	912	7 809	808
100 to 249 miles	1 231	7 484	1 466
250 to 499 miles	1 341	6 076	2 655
500 to 749 miles	635	1 045	744
750 to 999 miles	309	587	670
1,000 to 1,499 miles	363	S	S
1,500 to 1,999 miles	149	328	686
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**14 876**	**16 139**	**6 995**
Less than 50 miles	4 235	4 943	103
50 to 99 miles	1 526	1 865	176
100 to 249 miles	2 736	2 589	524
250 to 499 miles	2 841	2 380	1 071
500 to 749 miles	1 510	1 369	1 051
750 to 999 miles	1 084	S	S
1,000 to 1,499 miles	586	S	S
1,500 to 1,999 miles	343	115	241
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	**16 662**	**12 957**	**S**
Less than 50 miles	4 014	2 715	84
50 to 99 miles	1 357	768	70
100 to 249 miles	2 587	2 183	469
250 to 499 miles	3 037	1 817	826
500 to 749 miles	2 291	S	S
750 to 999 miles	1 345	S	S
1,000 to 1,499 miles	1 719	S	S
1,500 to 1,999 miles	300	149	294
2,000 miles or more	12	S	S
SCTG 34, Machinery	**36 494**	**4 816**	**2 911**
Less than 50 miles	6 409	902	22
50 to 99 miles	2 257	279	26
100 to 249 miles	5 217	733	162
250 to 499 miles	6 157	886	411
500 to 749 miles	5 769	766	586
750 to 999 miles	4 239	497	516
1,000 to 1,499 miles	5 342	631	940
1,500 to 1,999 miles	1 093	120	239
2,000 miles or more	9	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**49 296**	**3 095**	**2 221**
Less than 50 miles	8 479	583	13
50 to 99 miles	1 624	102	9
100 to 249 miles	3 784	284	65
250 to 499 miles	8 264	666	316
500 to 749 miles	5 949	411	310
750 to 999 miles	7 789	320	339
1,000 to 1,499 miles	10 524	553	816
1,500 to 1,999 miles	2 571	169	333
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**59 712**	**8 944**	**5 948**
Less than 50 miles	8 037	1 597	39
50 to 99 miles	2 789	437	45
100 to 249 miles	6 686	1 154	240
250 to 499 miles	11 953	1 815	848
500 to 749 miles	10 097	1 394	1 068
750 to 999 miles	8 990	1 146	1 273
1,000 to 1,499 miles	8 563	1 012	1 624
1,500 to 1,999 miles	2 579	386	807
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**10 408**	**438**	**410**
Less than 50 miles	549	10	–
50 to 99 miles	94	9	1
100 to 249 miles	561	50	11
250 to 499 miles	1 321	132	65
500 to 749 miles	2 055	69	54
750 to 999 miles	1 528	43	45
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	8	16
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	**14 110**	**371**	**291**
Less than 50 miles	3 636	72	1
50 to 99 miles	422	22	2
100 to 249 miles	792	32	6
250 to 499 miles	1 970	34	17
500 to 749 miles	1 685	56	45
750 to 999 miles	1 815	36	40
1,000 to 1,499 miles	2 785	105	153
1,500 to 1,999 miles	979	13	26
2,000 miles or more	28	–	1
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**6 476**	**1 909**	**1 128**
Less than 50 miles	2 085	541	9
50 to 99 miles	200	36	3
100 to 249 miles	709	304	79
250 to 499 miles	954	283	133
500 to 749 miles	799	241	181
750 to 999 miles	652	180	186
1,000 to 1,499 miles	843	251	357
1,500 to 1,999 miles	221	66	129
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**34 203**	**6 062**	**3 229**
Less than 50 miles	4 699	1 623	32
50 to 99 miles	1 433	367	35
100 to 249 miles	4 093	827	174
250 to 499 miles	6 224	1 012	462
500 to 749 miles	6 311	791	587
750 to 999 miles	4 535	691	730
1,000 to 1,499 miles	5 583	596	886
1,500 to 1,999 miles	1 272	150	294
2,000 miles or more	54	5	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 41, Waste and scrap	**2 179**	**18 506**	**4 395**
Less than 50 miles	579	7 924	157
50 to 99 miles	207	2 295	216
100 to 249 miles	428	3 021	685
250 to 499 miles	602	3 539	1 606
500 to 749 miles	239	1 245	1 002
750 to 999 miles	53	188	209
1,000 to 1,499 miles	59	212	348
1,500 to 1,999 miles	S	82	173
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**17 240**	**12 318**	**S**
Less than 50 miles	5 159	3 484	87
50 to 99 miles	2 879	1 383	131
100 to 249 miles	6 520	3 414	648
250 to 499 miles	1 305	S	S
500 to 749 miles	395	S	S
750 to 999 miles	527	S	S
1,000 to 1,499 miles	392	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	**3 655**	**6 945**	**S**
Less than 50 miles	825	1 314	S
50 to 99 miles	263	S	S
100 to 249 miles	619	S	S
250 to 499 miles	877	S	S
500 to 749 miles	421	217	182
750 to 999 miles	265	66	69
1,000 to 1,499 miles	217	S	S
1,500 to 1,999 miles	S	5	11
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	**584 209**	**1 072 504**	**367 183**
Less than 50 lb	68 424	2 254	1 408
50 to 99 lb	18 238	1 273	444
100 to 499 lb	53 932	7 109	1 573
500 to 749 lb	17 715	3 529	696
750 to 999 lb	10 434	3 011	589
1,000 to 9,999 lb	109 447	62 573	11 488
10,000 to 49,999 lb	225 521	381 586	82 088
50,000 to 99,999 lb	38 494	232 381	25 175
100,000 lb or more	42 003	378 787	243 722
SCTG 01, Live animals and live fish	**1 660**	**1 366**	**227**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	164
50,000 to 99,999 lb	S	S	29
100,000 lb or more	171	S	S
SCTG 02, Cereal grains	**22 559**	**200 917**	**117 679**
Less than 50 lb	–	–	–
50 to 99 lb	S	4	–
100 to 499 lb	10	32	1
500 to 749 lb	7	24	3
750 to 999 lb	4	18	3
1,000 to 9,999 lb	346	818	156
10,000 to 49,999 lb	2 254	12 743	2 300
50,000 to 99,999 lb	6 941	67 799	7 638
100,000 lb or more	12 997	119 480	107 577
SCTG 03, Other agricultural products	**18 183**	**52 839**	**22 065**
Less than 50 lb	184	19	5
50 to 99 lb	70	18	1
100 to 499 lb	442	175	10
500 to 749 lb	147	99	6
750 to 999 lb	S	88	7
1,000 to 9,999 lb	1 183	1 518	159
10,000 to 49,999 lb	S	8 503	S
50,000 to 99,999 lb	5 444	22 133	1 703
100,000 lb or more	5 060	20 286	18 126
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17 147**	**58 359**	**15 628**
Less than 50 lb	23	13	1
50 to 99 lb	43	43	2
100 to 499 lb	267	445	13
500 to 749 lb	163	313	9
750 to 999 lb	77	146	5
1,000 to 9,999 lb	2 427	7 487	352
10,000 to 49,999 lb	10 022	28 488	6 639
50,000 to 99,999 lb	2 417	13 412	2 110
100,000 lb or more	1 707	8 011	6 498
SCTG 05, Meat, fish, seafood, and their preparations	**38 108**	**17 497**	**11 963**
Less than 50 lb	S	17	S
50 to 99 lb	S	18	1
100 to 499 lb	371	113	11
500 to 749 lb	141	53	7
750 to 999 lb	141	47	8
1,000 to 9,999 lb	3 967	1 384	832
10,000 to 49,999 lb	31 845	14 939	10 301
50,000 to 99,999 lb	537	357	350
100,000 lb or more	853	570	452
SCTG 06, Milled grain products and preparations, and bakery products	**16 042**	**24 270**	**15 858**
Less than 50 lb	S	S	S
50 to 99 lb	32	9	1
100 to 499 lb	345	157	18
500 to 749 lb	198	133	13
750 to 999 lb	149	111	13
1,000 to 9,999 lb	1 517	963	241
10,000 to 49,999 lb	10 893	11 529	6 182
50,000 to 99,999 lb	529	2 423	556
100,000 lb or more	2 038	8 929	8 828
SCTG 07, Other prepared foodstuffs and fats and oils	**36 759**	**47 403**	**20 754**
Less than 50 lb	327	52	8
50 to 99 lb	217	90	6
100 to 499 lb	1 459	907	61
500 to 749 lb	577	408	33
750 to 999 lb	539	407	36
1,000 to 9,999 lb	6 364	5 621	686
10,000 to 49,999 lb	21 512	23 485	7 352
50,000 to 99,999 lb	1 517	4 842	722
100,000 lb or more	4 248	11 592	11 849

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	**7 312**	**8 364**	**2 957**
Less than 50 lb	35	11	–
50 to 99 lb	78	28	1
100 to 499 lb	632	390	16
500 to 749 lb	302	220	8
750 to 999 lb	245	207	7
1,000 to 9,999 lb	1 842	1 563	69
10,000 to 49,999 lb	2 382	3 101	1 113
50,000 to 99,999 lb	726	1 421	344
100,000 lb or more	1 070	1 421	1 399
SCTG 09, Tobacco products	**2 208**	**200**	**20**
Less than 50 lb	362	9	1
50 to 99 lb	211	7	1
100 to 499 lb	806	41	4
500 to 749 lb	173	16	2
750 to 999 lb	146	17	3
1,000 to 9,999 lb	486	62	7
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**476**	**1 289**	**246**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	2	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	69	66	12
10,000 to 49,999 lb	389	1 109	190
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**252**	**43 611**	**2 290**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	2	–
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	389	15
10,000 to 49,999 lb	107	24 875	709
50,000 to 99,999 lb	65	15 476	752
100,000 lb or more	S	2 864	S
SCTG 12, Gravel and crushed stone	**958**	**172 184**	**15 017**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	3	–
500 to 749 lb	S	3	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	22	1 008	15
10,000 to 49,999 lb	484	88 617	3 095
50,000 to 99,999 lb	230	43 616	1 726
100,000 lb or more	220	38 933	10 180
SCTG 13, Nonmetallic minerals n.e.c.	**1 337**	**13 556**	**4 082**
Less than 50 lb	S	1	S
50 to 99 lb	S	1	–
100 to 499 lb	7	29	1
500 to 749 lb	S	S	S
750 to 999 lb	3	S	S
1,000 to 9,999 lb	93	626	37
10,000 to 49,999 lb	S	5 814	1 033
50,000 to 99,999 lb	S	1 284	296
100,000 lb or more	124	5 744	2 713
SCTG 14, Metallic ores and concentrates	**1 898**	**49 744**	**37 441**
Less than 50 lb	S	S	–
50 to 99 lb	S	–	S
100 to 499 lb	103	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	118	476	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	1 620	49 046	37 157
SCTG 15, Coal	**337**	**34 826**	**564**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	–	–	–
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	38	387	42
50,000 to 99,999 lb	12	360	29
100,000 lb or more	285	34 075	492

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	**10 298**	**40 805**	**5 029**
Less than 50 lb	5	9	S
50 to 99 lb	13	31	S
100 to 499 lb	S	88	2
500 to 749 lb	28	61	1
750 to 999 lb	S	63	1
1,000 to 9,999 lb	874	2 531	53
10,000 to 49,999 lb	2 889	11 219	638
50,000 to 99,999 lb	3 677	14 037	1 013
100,000 lb or more	2 656	12 766	3 321
SCTG 18, Fuel oils	**4 951**	**22 552**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	3	S	S
100 to 499 lb	50	133	2
500 to 749 lb	44	136	2
750 to 999 lb	54	212	2
1,000 to 9,999 lb	1 237	4 915	78
10,000 to 49,999 lb	882	3 882	179
50,000 to 99,999 lb	1 989	8 485	558
100,000 lb or more	692	4 776	S
SCTG 19, Coal and petroleum products, n.e.c.	**5 383**	**34 738**	**6 293**
Less than 50 lb	49	15	1
50 to 99 lb	23	12	1
100 to 499 lb	214	159	10
500 to 749 lb	130	155	S
750 to 999 lb	100	195	6
1,000 to 9,999 lb	1 411	2 407	128
10,000 to 49,999 lb	1 554	11 330	872
50,000 to 99,999 lb	447	3 693	450
100,000 lb or more	1 455	16 772	4 812
SCTG 20, Basic chemicals	**4 501**	**15 151**	**12 329**
Less than 50 lb	343	12	4
50 to 99 lb	53	20	1
100 to 499 lb	231	185	19
500 to 749 lb	83	S	6
750 to 999 lb	77	S	3
1,000 to 9,999 lb	933	580	64
10,000 to 49,999 lb	1 879	3 548	1 274
50,000 to 99,999 lb	178	1 714	1 681
100,000 lb or more	723	8 947	9 277
SCTG 21, Pharmaceutical products	**17 329**	**861**	**497**
Less than 50 lb	5 334	64	25
50 to 99 lb	2 035	39	13
100 to 499 lb	3 924	120	43
500 to 749 lb	1 008	31	15
750 to 999 lb	595	23	11
1,000 to 9,999 lb	2 180	176	72
10,000 to 49,999 lb	2 049	384	318
50,000 to 99,999 lb	S	S	–
100,000 lb or more	–	–	–
SCTG 22, Fertilizers	**3 652**	**16 181**	**2 344**
Less than 50 lb	2	2	–
50 to 99 lb	2	2	–
100 to 499 lb	14	23	1
500 to 749 lb	10	13	1
750 to 999 lb	S	27	1
1,000 to 9,999 lb	960	3 030	44
10,000 to 49,999 lb	1 497	6 612	529
50,000 to 99,999 lb	593	3 355	464
100,000 lb or more	559	3 120	1 304
SCTG 23, Chemical products and preparations, n.e.c.	**20 395**	**8 976**	**4 316**
Less than 50 lb	843	53	14
50 to 99 lb	521	45	9
100 to 499 lb	1 439	207	47
500 to 749 lb	416	83	24
750 to 999 lb	331	73	18
1,000 to 9,999 lb	4 151	1 069	373
10,000 to 49,999 lb	12 407	6 915	3 433
50,000 to 99,999 lb	167	S	S
100,000 lb or more	S	353	253
SCTG 24, Plastics and rubber	**18 550**	**6 541**	**3 442**
Less than 50 lb	1 763	93	47
50 to 99 lb	609	62	14
100 to 499 lb	2 364	375	97
500 to 749 lb	863	154	49
750 to 999 lb	686	124	53
1,000 to 9,999 lb	6 144	2 250	872
10,000 to 49,999 lb	5 630	2 966	1 867
50,000 to 99,999 lb	S	S	S
100,000 lb or more	479	507	437

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	**161**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	81	S	79
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	**9 874**	**12 757**	**4 441**
Less than 50 lb	183	17	9
50 to 99 lb	117	32	S
100 to 499 lb	443	105	13
500 to 749 lb	145	54	9
750 to 999 lb	147	71	8
1,000 to 9,999 lb	2 392	2 082	236
10,000 to 49,999 lb	5 930	8 251	2 727
50,000 to 99,999 lb	229	914	132
100,000 lb or more	287	1 232	1 282
SCTG 27, Pulp, newsprint, paper, and paperboard	**5 701**	**5 616**	**2 719**
Less than 50 lb	128	12	2
50 to 99 lb	101	17	2
100 to 499 lb	445	138	14
500 to 749 lb	208	82	7
750 to 999 lb	154	58	6
1,000 to 9,999 lb	1 230	969	115
10,000 to 49,999 lb	2 550	3 176	1 346
50,000 to 99,999 lb	S	94	S
100,000 lb or more	855	1 070	1 107
SCTG 28, Paper or paperboard articles	**7 781**	**4 759**	**1 571**
Less than 50 lb	311	24	12
50 to 99 lb	127	28	S
100 to 499 lb	439	133	19
500 to 749 lb	162	66	12
750 to 999 lb	135	63	15
1,000 to 9,999 lb	2 452	1 232	344
10,000 to 49,999 lb	4 141	3 106	1 099
50,000 to 99,999 lb	6	49	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**23 204**	**5 698**	**2 836**
Less than 50 lb	6 448	389	S
50 to 99 lb	1 319	123	51
100 to 499 lb	3 456	415	151
500 to 749 lb	1 154	154	55
750 to 999 lb	484	102	39
1,000 to 9,999 lb	5 408	1 575	705
10,000 to 49,999 lb	4 803	2 748	1 337
50,000 to 99,999 lb	57	47	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**13 506**	**1 335**	**832**
Less than 50 lb	4 141	165	152
50 to 99 lb	560	26	16
100 to 499 lb	1 472	95	49
500 to 749 lb	355	27	15
750 to 999 lb	245	20	8
1,000 to 9,999 lb	2 674	263	82
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	30	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**8 375**	**75 016**	**9 754**
Less than 50 lb	247	61	S
50 to 99 lb	133	21	6
100 to 499 lb	392	105	19
500 to 749 lb	87	49	5
750 to 999 lb	59	51	5
1,000 to 9,999 lb	999	3 240	215
10,000 to 49,999 lb	4 662	45 842	5 195
50,000 to 99,999 lb	1 295	16 542	1 575
100,000 lb or more	502	9 106	2 686
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**14 876**	**16 139**	**6 995**
Less than 50 lb	406	23	6
50 to 99 lb	203	29	5
100 to 499 lb	1 048	237	40
500 to 749 lb	406	137	27
750 to 999 lb	272	123	20
1,000 to 9,999 lb	4 551	3 369	597
10,000 to 49,999 lb	6 790	8 123	2 579
50,000 to 99,999 lb	460	656	163
100,000 lb or more	739	3 442	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	**16 662**	**12 957**	**S**
Less than 50 lb	2 502	103	54
50 to 99 lb	771	57	18
100 to 499 lb	2 119	293	83
500 to 749 lb	1 007	125	40
750 to 999 lb	441	111	34
1,000 to 9,999 lb	4 750	1 984	663
10,000 to 49,999 lb	4 817	S	S
50,000 to 99,999 lb	158	261	124
100,000 lb or more	97	S	S
SCTG 34, Machinery	**36 494**	**4 816**	**2 911**
Less than 50 lb	4 813	136	53
50 to 99 lb	1 587	70	28
100 to 499 lb	4 003	315	151
500 to 749 lb	1 249	124	57
750 to 999 lb	998	93	61
1,000 to 9,999 lb	9 996	1 408	770
10,000 to 49,999 lb	13 293	2 536	1 704
50,000 to 99,999 lb	388	87	41
100,000 lb or more	S	48	48
SCTG 35, Electronic and other electrical equipment and components and office equipment	**49 296**	**3 095**	**2 221**
Less than 50 lb	15 971	258	178
50 to 99 lb	3 605	111	57
100 to 499 lb	13 268	484	276
500 to 749 lb	3 111	139	84
750 to 999 lb	1 160	72	47
1,000 to 9,999 lb	8 532	769	567
10,000 to 49,999 lb	3 615	1 240	998
50,000 to 99,999 lb	S	10	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**59 712**	**8 944**	**5 948**
Less than 50 lb	4 381	198	80
50 to 99 lb	1 490	102	38
100 to 499 lb	3 501	273	89
500 to 749 lb	1 205	120	51
750 to 999 lb	937	100	30
1,000 to 9,999 lb	11 403	1 992	1 218
10,000 to 49,999 lb	27 884	4 489	3 060
50,000 to 99,999 lb	S	1 536	1 295
100,000 lb or more	115	135	S
SCTG 37, Transportation equipment, n.e.c.	**10 408**	**438**	**410**
Less than 50 lb	1 506	7	6
50 to 99 lb	387	3	2
100 to 499 lb	1 696	18	16
500 to 749 lb	503	11	7
750 to 999 lb	S	3	3
1,000 to 9,999 lb	2 941	163	169
10,000 to 49,999 lb	3 201	174	165
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	58	S
SCTG 38, Precision instruments and apparatus	**14 110**	**371**	**291**
Less than 50 lb	7 290	63	40
50 to 99 lb	1 360	28	15
100 to 499 lb	2 277	54	25
500 to 749 lb	351	12	6
750 to 999 lb	336	8	6
1,000 to 9,999 lb	1 289	37	29
10,000 to 49,999 lb	1 205	164	163
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	**6 476**	**1 909**	**1 128**
Less than 50 lb	527	78	84
50 to 99 lb	252	47	39
100 to 499 lb	849	97	37
500 to 749 lb	291	44	20
750 to 999 lb	283	46	24
1,000 to 9,999 lb	2 610	587	338
10,000 to 49,999 lb	1 354	740	541
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**34 203**	**6 062**	**3 229**
Less than 50 lb	8 924	290	254
50 to 99 lb	1 653	98	72
100 to 499 lb	3 972	334	178
500 to 749 lb	S	135	74
750 to 999 lb	655	86	61
1,000 to 9,999 lb	7 024	1 195	709
10,000 to 49,999 lb	8 804	3 153	1 656
50,000 to 99,999 lb	284	337	99
100,000 lb or more	430	S	128

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	**2 179**	**18 506**	**4 395**
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	92	S	S
10,000 to 49,999 lb	1 298	8 581	1 444
50,000 to 99,999 lb	145	S	S
100,000 lb or more	617	5 412	2 359
SCTG 43, Mixed freight	**17 240**	**12 318**	**S**
Less than 50 lb	303	26	11
50 to 99 lb	185	30	7
100 to 499 lb	1 235	354	45
500 to 749 lb	614	164	27
750 to 999 lb	467	145	34
1,000 to 9,999 lb	4 109	1 915	339
10,000 to 49,999 lb	9 945	5 788	870
50,000 to 99,999 lb	114	88	S
100,000 lb or more	S	S	S
Commodity unknown	**3 655**	**6 945**	**S**
Less than 50 lb	528	13	7
50 to 99 lb	S	11	4
100 to 499 lb	446	51	12
500 to 749 lb	91	25	4
750 to 999 lb	125	28	7
1,000 to 9,999 lb	632	455	89
10,000 to 49,999 lb	885	771	315
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**584 209**	**1 072 504**	**367 183**	**562**	**140 426**	**517 540**	**10 717**	**46 308**	**105 278**	**9 930**
Less than 50 lb	68 424	2 254	1 408	697	14 294	659	12	3 465	137	13
50 to 99 lb	18 238	1 273	444	349	5 171	618	12	1 285	112	10
100 to 499 lb	53 932	7 109	1 573	231	16 181	4 175	84	4 237	758	69
500 to 749 lb	17 715	3 529	696	195	4 690	2 174	42	1 180	338	31
750 to 999 lb	10 434	3 011	589	195	3 166	1 849	35	1 005	303	27
1,000 to 9,999 lb	109 447	62 573	11 488	178	32 492	40 226	699	8 500	5 199	488
10,000 to 49,999 lb	225 521	381 586	82 088	206	42 986	230 977	4 297	18 360	31 149	2 923
50,000 to 99,999 lb	38 494	232 381	25 175	109	15 102	138 690	3 655	6 403	42 951	3 866
100,000 lb or more	42 003	378 787	243 722	618	6 343	98 172	1 880	1 875	24 329	2 503
SCTG 01, Live animals and live fish	**1 660**	**1 366**	**227**	**224**	**174**	**85**	**4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	292	S	S	S	S	S	S
50 to 99 lb	S	S	S	289	S	S	S	S	S	S
100 to 499 lb	S	S	S	106	S	S	S	S	S	S
500 to 749 lb	S	S	S	190	S	S	S	S	S	S
750 to 999 lb	S	S	S	138	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	113	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	164	164	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	29	148	S	S	S	S	S	S
100,000 lb or more	171	S	S	182	S	S	S	S	S	S
SCTG 02, Cereal grains	**22 559**	**200 917**	**117 679**	**178**	**5 954**	**59 348**	**1 579**	**1 808**	**17 379**	**1 629**
Less than 50 lb	–	–	–	121	S	–	–	S	S	S
50 to 99 lb	S	4	–	S	S	3	S	S	S	S
100 to 499 lb	10	32	1	S	7	29	1	S	2	–
500 to 749 lb	7	24	3	S	5	20	–	S	S	S
750 to 999 lb	4	18	3	S	1	S	S	–	–	–
1,000 to 9,999 lb	346	818	156	193	78	508	10	S	S	S
10,000 to 49,999 lb	2 254	12 743	2 300	170	812	8 314	151	102	810	S
50,000 to 99,999 lb	6 941	67 799	7 638	114	3 689	37 264	1 142	1 299	12 334	1 087
100,000 lb or more	12 997	119 480	107 577	709	1 361	13 197	274	380	S	S
SCTG 03, Other agricultural products	**18 183**	**52 839**	**22 065**	**350**	**6 508**	**19 358**	**692**	**4 560**	**11 589**	**1 062**
Less than 50 lb	184	19	5	599	71	10	–	S	S	–
50 to 99 lb	70	18	1	48	52	14	–	S	S	S
100 to 499 lb	442	175	10	53	230	130	2	S	27	2
500 to 749 lb	147	99	6	61	90	68	1	37	17	2
750 to 999 lb	S	88	7	S	53	60	2	S	S	S
1,000 to 9,999 lb	1 183	1 518	159	98	516	783	15	261	281	27
10,000 to 49,999 lb	S	8 503	S	221	S	3 488	103	S	S	S
50,000 to 99,999 lb	5 444	22 133	1 703	76	2 832	11 470	433	1 830	7 562	677
100,000 lb or more	5 060	20 286	18 126	425	S	S	S	442	1 746	159
SCTG 04, Animal feed and products of animal origin, n.e.c.	**17 147**	**58 359**	**15 628**	**63**	**6 412**	**30 354**	**650**	**2 037**	**6 794**	**635**
Less than 50 lb	23	13	1	S	19	13	–	S	–	–
50 to 99 lb	43	43	2	S	37	41	1	S	S	S
100 to 499 lb	267	445	13	S	224	431	7	5	2	–
500 to 749 lb	163	313	9	29	130	298	5	8	5	–
750 to 999 lb	77	146	5	S	61	139	2	1	1	–
1,000 to 9,999 lb	2 427	7 487	352	47	1 603	6 666	105	206	305	28
10,000 to 49,999 lb	10 022	28 488	6 639	161	3 164	14 916	341	1 305	4 021	378
50,000 to 99,999 lb	2 417	13 412	2 110	156	918	6 157	160	500	2 419	222
100,000 lb or more	1 707	8 011	6 498	868	256	1 693	29	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**38 108**	**17 497**	**11 963**	**273**	**3 987**	**2 046**	**46**	**2 500**	**1 398**	**130**
Less than 50 lb	S	17	S	100	S	13	–	S	2	–
50 to 99 lb	S	18	1	45	S	14	–	7	2	–
100 to 499 lb	371	113	11	87	228	66	1	74	26	3
500 to 749 lb	141	53	7	S	64	21	–	21	12	1
750 to 999 lb	141	47	8	175	57	18	–	13	6	1
1,000 to 9,999 lb	3 967	1 384	832	506	461	221	5	350	145	14
10,000 to 49,999 lb	31 845	14 939	10 301	671	2 775	1 570	33	1 894	1 136	105
50,000 to 99,999 lb	537	357	350	1 028	22	S	S	129	69	6
100,000 lb or more	853	570	452	913	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**16 042**	**24 270**	**15 858**	**330**	**2 559**	**4 025**	**85**	**1 029**	**1 134**	**112**
Less than 50 lb	S	S	S	503	S	6	–	5	1	–
50 to 99 lb	32	9	1	S	17	5	–	8	2	–
100 to 499 lb	345	157	18	110	175	84	2	50	25	2
500 to 749 lb	198	133	13	98	102	71	2	32	24	2
750 to 999 lb	149	111	13	121	68	48	1	23	20	2
1,000 to 9,999 lb	1 517	963	241	216	292	256	6	250	209	20
10,000 to 49,999 lb	10 893	11 529	6 182	515	1 590	2 219	45	595	558	59
50,000 to 99,999 lb	529	2 423	556	219	194	1 014	22	47	214	S
100,000 lb or more	2 038	8 929	8 828	951	78	324	6	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**36 759**	**47 403**	**20 754**	**137**	**11 171**	**12 750**	**314**	**4 327**	**6 364**	**597**
Less than 50 lb	327	52	8	247	170	32	1	44	7	1
50 to 99 lb	217	90	6	65	123	64	1	46	13	1
100 to 499 lb	1 459	907	61	64	1 006	659	16	182	125	11
500 to 749 lb	577	408	33	82	349	294	7	63	52	5
750 to 999 lb	539	407	36	91	312	280	7	76	69	6
1,000 to 9,999 lb	6 364	5 621	686	118	2 899	3 514	80	771	797	72
10,000 to 49,999 lb	21 512	23 485	7 352	289	5 585	6 099	149	2 669	3 679	344
50,000 to 99,999 lb	1 517	4 842	722	150	545	1 595	47	375	1 325	124
100,000 lb or more	4 248	11 592	11 849	1 018	183	213	6	S	S	S
SCTG 08, Alcoholic beverages	**7 312**	**8 364**	**2 957**	**50**	**3 300**	**3 031**	**63**	**518**	**636**	**57**
Less than 50 lb	35	11	–	42	28	9	–	3	1	–
50 to 99 lb	78	28	1	47	58	22	–	11	4	–
100 to 499 lb	632	390	16	40	488	323	7	80	47	4
500 to 749 lb	302	220	8	36	251	193	4	22	16	1
750 to 999 lb	245	207	7	34	206	186	4	18	13	1
1,000 to 9,999 lb	1 842	1 563	69	38	1 522	1 374	30	149	117	9
10,000 to 49,999 lb	2 382	3 101	1 113	314	586	712	11	S	S	S
50,000 to 99,999 lb	726	1 421	344	245	84	184	S	S	S	S
100,000 lb or more	1 070	1 421	1 399	933	S	S	S	–	–	–
SCTG 09, Tobacco products	**2 208**	**200**	**20**	**76**	**1 141**	**82**	**3**	**512**	**68**	**6**
Less than 50 lb	362	9	1	65	202	5	–	120	3	–
50 to 99 lb	211	7	1	80	89	4	–	34	2	–
100 to 499 lb	806	41	4	85	457	21	1	192	12	1
500 to 749 lb	173	16	2	112	66	6	–	29	4	–
750 to 999 lb	146	17	3	157	90	8	–	S	S	S
1,000 to 9,999 lb	486	62	7	113	S	17	S	117	27	2
10,000 to 49,999 lb	S	S	S	86	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**476**	**1 289**	**246**	**S**	**72**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	5	S	S	S	–	–	–
50 to 99 lb	S	S	S	527	S	S	S	S	S	S
100 to 499 lb	2	1	S	218	S	S	S	–	–	–
500 to 749 lb	S	S	S	728	–	–	–	S	S	S
750 to 999 lb	S	S	S	203	S	S	S	S	S	S
1,000 to 9,999 lb	69	66	12	215	12	S	S	5	S	S
10,000 to 49,999 lb	389	1 109	190	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	98	S	S	S	–	–	–
100,000 lb or more	S	S	S	569	S	S	S	S	S	S
SCTG 11, Natural sands	**252**	**43 611**	**2 290**	**37**	**157**	**38 022**	**761**	**18**	**1 858**	**178**
Less than 50 lb	S	S	S	14	S	S	S	–	–	–
50 to 99 lb	S	S	S	21	S	S	S	–	–	–
100 to 499 lb	S	2	–	64	S	2	S	S	S	S
500 to 749 lb	S	S	S	13	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	389	15	S	5	343	3	S	S	S
10,000 to 49,999 lb	107	24 875	709	26	92	23 463	443	3	537	43
50,000 to 99,999 lb	65	15 476	752	50	50	12 728	295	6	1 108	107
100,000 lb or more	S	2 864	S	308	6	1 481	20	S	S	S
SCTG 12, Gravel and crushed stone	**958**	**172 184**	**15 017**	**38**	**751**	**140 914**	**2 433**	**53**	**11 167**	**1 069**
Less than 50 lb	S	S	S	14	S	S	S	–	–	–
50 to 99 lb	S	S	S	23	S	S	S	–	–	–
100 to 499 lb	S	3	–	30	S	2	–	S	S	S
500 to 749 lb	S	3	S	208	S	2	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22	1 008	15	16	17	985	11	S	10	1
10,000 to 49,999 lb	484	88 617	3 095	35	451	83 633	1 311	17	2 663	241
50,000 to 99,999 lb	230	43 616	1 726	40	186	36 314	689	23	4 599	412
100,000 lb or more	220	38 933	10 180	124	96	19 974	422	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**1 337**	**13 556**	**4 082**	**235**	**415**	**7 270**	**195**	**S**	**1 042**	**105**
Less than 50 lb	S	1	S	889	S	–	S	S	S	S
50 to 99 lb	S	1	–	S	S	1	S	S	S	S
100 to 499 lb	7	29	1	34	5	25	–	S	S	S
500 to 749 lb	S	S	S	43	S	S	S	S	S	S
750 to 999 lb	3	S	S	S	S	S	–	S	S	S
1,000 to 9,999 lb	93	626	37	S	65	577	S	7	16	1
10,000 to 49,999 lb	S	5 814	1 033	137	S	3 624	56	S	S	S
50,000 to 99,999 lb	S	1 284	296	238	S	209	S	S	376	36
100,000 lb or more	124	5 744	2 713	736	45	2 776	S	6	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**1 898**	**49 744**	**37 441**	**448**	**165**	**3 362**	**S**	**429**	**8 890**	**913**
Less than 50 lb	S	S	–	394	S	S	S	–	–	–
50 to 99 lb	S	–	S	296	S	S	S	S	S	S
100 to 499 lb	103	S	S	894	S	S	S	–	–	–
500 to 749 lb	S	S	S	889	–	–	–	–	–	–
750 to 999 lb	S	S	S	614	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	235	S	S	S	S	S	S
10,000 to 49,999 lb	118	476	S	446	6	S	S	87	311	33
50,000 to 99,999 lb	S	S	S	631	3	36	S	S	S	S
100,000 lb or more	1 620	49 046	37 157	407	129	3 243	S	337	8 556	878
SCTG 15, Coal	**337**	**34 826**	**564**	**S**	**307**	**34 504**	**498**	**6**	**200**	**22**
Less than 50 lb	S	S	S	339	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	935	S	S	S	S	S	S
500 to 749 lb	S	S	S	6	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	38	387	42	113	S	321	S	S	S	S
50,000 to 99,999 lb	12	360	29	81	6	179	9	6	176	20
100,000 lb or more	285	34 075	492	S	285	34 001	475	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**10 298**	**40 805**	**5 029**	**33**	**7 271**	**27 722**	**593**	**1 073**	**4 462**	**397**
Less than 50 lb	5	9	S	S	4	9	S	–	–	–
50 to 99 lb	13	31	S	23	13	30	S	S	S	S
100 to 499 lb	S	88	2	17	S	88	1	S	S	S
500 to 749 lb	28	61	1	17	28	60	1	S	S	S
750 to 999 lb	S	63	1	18	S	63	S	S	S	S
1,000 to 9,999 lb	874	2 531	53	20	829	2 415	39	33	96	8
10,000 to 49,999 lb	2 889	11 219	638	55	2 265	8 954	201	320	1 227	112
50,000 to 99,999 lb	3 677	14 037	1 013	72	2 520	9 236	250	720	3 138	277
100,000 lb or more	2 656	12 766	3 321	1 213	1 458	6 867	S	–	–	–
SCTG 18, Fuel oils	**4 951**	**22 552**	**S**	**24**	**3 889**	**16 372**	**303**	**430**	**1 974**	**193**
Less than 50 lb	S	S	S	54	S	S	S	S	S	S
50 to 99 lb	3	S	S	62	2	4	S	S	S	S
100 to 499 lb	50	133	2	19	48	129	2	S	S	S
500 to 749 lb	44	136	2	13	44	136	2	–	–	–
750 to 999 lb	54	212	2	11	53	211	2	S	S	S
1,000 to 9,999 lb	1 237	4 915	78	14	1 176	4 839	70	S	54	5
10,000 to 49,999 lb	882	3 882	179	40	714	3 172	61	91	407	36
50,000 to 99,999 lb	1 989	8 485	558	65	1 506	5 851	135	272	1 407	116
100,000 lb or more	692	4 776	S	694	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**5 383**	**34 738**	**6 293**	**67**	**2 179**	**13 072**	**241**	**837**	**5 051**	**362**
Less than 50 lb	49	15	1	79	32	13	–	4	S	–
50 to 99 lb	23	12	1	63	15	10	–	1	1	–
100 to 499 lb	214	159	10	62	154	131	2	20	13	1
500 to 749 lb	130	155	S	S	81	133	1	S	8	1
750 to 999 lb	100	195	6	31	81	182	2	7	6	–
1,000 to 9,999 lb	1 411	2 407	128	43	940	1 984	30	151	142	13
10,000 to 49,999 lb	1 554	11 330	872	68	608	8 075	154	206	831	78
50,000 to 99,999 lb	447	3 693	450	125	S	S	35	S	S	S
100,000 lb or more	1 455	16 772	4 812	278	19	S	S	S	3 461	219
SCTG 20, Basic chemicals	**4 501**	**15 151**	**12 329**	**292**	**1 019**	**1 929**	**35**	**284**	**668**	**64**
Less than 50 lb	343	12	4	556	79	7	S	S	–	–
50 to 99 lb	53	20	1	62	29	17	–	3	1	–
100 to 499 lb	231	185	19	95	108	132	3	24	S	S
500 to 749 lb	83	S	6	S	S	S	1	6	S	S
750 to 999 lb	77	S	3	S	21	S	S	S	2	–
1,000 to 9,999 lb	933	580	64	92	343	401	7	68	54	5
10,000 to 49,999 lb	1 879	3 548	1 274	347	350	1 128	21	119	333	34
50,000 to 99,999 lb	178	1 714	1 681	976	11	59	S	S	S	S
100,000 lb or more	723	8 947	9 277	1 012	36	65	–	S	S	S
SCTG 21, Pharmaceutical products	**17 329**	**861**	**497**	**447**	**2 594**	**117**	**2**	**1 406**	**82**	**8**
Less than 50 lb	5 334	64	25	464	1 113	16	–	293	6	1
50 to 99 lb	2 035	39	13	321	283	9	–	328	5	–
100 to 499 lb	3 924	120	43	347	654	28	1	521	17	2
500 to 749 lb	1 008	31	15	475	S	4	S	48	3	–
750 to 999 lb	595	23	11	450	S	4	S	S	S	S
1,000 to 9,999 lb	2 180	176	72	387	173	20	–	S	S	S
10,000 to 49,999 lb	2 049	384	318	809	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	–	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**3 652**	**16 181**	**2 344**	**133**	**2 435**	**10 064**	**191**	**358**	**1 867**	**169**
Less than 50 lb	2	2	–	831	S	S	S	S	S	S
50 to 99 lb	2	2	–	S	1	1	–	S	S	S
100 to 499 lb	14	23	1	29	12	22	–	1	1	–
500 to 749 lb	10	13	1	77	6	10	–	S	S	S
750 to 999 lb	S	27	1	S	S	26	S	S	–	S
1,000 to 9,999 lb	960	3 030	44	16	885	2 962	32	23	32	3
10,000 to 49,999 lb	1 497	6 612	529	54	1 019	4 630	95	179	861	77
50,000 to 99,999 lb	593	3 355	464	138	229	1 219	39	138	873	76
100,000 lb or more	559	3 120	1 304	405	S	S	25	16	99	12
SCTG 23, Chemical products and preparations, n.e.c.	**20 395**	**8 976**	**4 316**	**306**	**5 891**	**3 478**	**60**	**1 240**	**346**	**31**
Less than 50 lb	843	53	14	336	410	25	–	92	7	1
50 to 99 lb	521	45	9	187	293	27	–	31	3	–
100 to 499 lb	1 439	207	47	229	844	115	2	100	19	2
500 to 749 lb	416	83	24	276	204	37	1	47	8	1
750 to 999 lb	331	73	18	246	160	39	–	32	6	1
1,000 to 9,999 lb	4 151	1 069	373	331	1 426	417	8	524	97	10
10,000 to 49,999 lb	12 407	6 915	3 433	493	2 481	2 759	48	413	204	17
50,000 to 99,999 lb	167	S	S	796	S	45	–	S	S	S
100,000 lb or more	S	353	253	668	S	S	S	–	–	–
SCTG 24, Plastics and rubber	**18 550**	**6 541**	**3 442**	**565**	**4 140**	**1 331**	**25**	**1 193**	**400**	**35**
Less than 50 lb	1 763	93	47	665	547	30	1	87	7	1
50 to 99 lb	609	62	14	225	239	33	1	46	7	1
100 to 499 lb	2 364	375	97	244	856	169	4	240	47	4
500 to 749 lb	863	154	49	312	255	65	2	67	16	1
750 to 999 lb	686	124	53	421	144	43	1	44	12	1
1,000 to 9,999 lb	6 144	2 250	872	384	1 701	808	14	479	171	15
10,000 to 49,999 lb	5 630	2 966	1 867	613	396	180	3	230	139	12
50,000 to 99,999 lb	S	S	S	764	–	–	–	–	–	–
100,000 lb or more	479	507	437	874	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**161**	**S**	**S**	**S**	**71**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	498	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	52	S	S	S	–	–	–
500 to 749 lb	S	S	S	82	S	S	S	S	S	S
750 to 999 lb	S	S	S	31	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	81	S	79	100	38	S	S	10	S	S
50,000 to 99,999 lb	S	S	S	102	S	S	S	S	S	S
100,000 lb or more	S	S	S	422	S	S	S	S	S	S
SCTG 26, Wood products	**9 874**	**12 757**	**4 441**	**527**	**2 809**	**4 927**	**121**	**1 275**	**2 223**	**211**
Less than 50 lb	183	17	9	726	37	5	–	12	1	–
50 to 99 lb	117	32	S	905	61	11	–	11	2	–
100 to 499 lb	443	105	13	127	247	68	1	73	15	1
500 to 749 lb	145	54	9	168	72	29	1	18	8	1
750 to 999 lb	147	71	8	107	84	48	1	22	10	1
1,000 to 9,999 lb	2 392	2 082	236	117	1 125	1 281	26	292	310	29
10,000 to 49,999 lb	5 930	8 251	2 727	291	1 021	2 673	78	796	1 609	153
50,000 to 99,999 lb	229	914	132	146	81	431	10	45	182	16
100,000 lb or more	287	1 232	1 282	1 181	80	382	3	6	86	9
SCTG 27, Pulp, newsprint, paper, and paperboard	**5 701**	**5 616**	**2 719**	**188**	**2 016**	**1 643**	**28**	**402**	**629**	**65**
Less than 50 lb	128	12	2	292	72	8	–	11	1	–
50 to 99 lb	101	17	2	108	77	12	–	3	1	–
100 to 499 lb	445	138	14	99	288	92	1	47	18	2
500 to 749 lb	208	82	7	85	125	58	1	11	6	1
750 to 999 lb	154	58	6	106	103	36	1	15	S	S
1,000 to 9,999 lb	1 230	969	115	107	745	560	9	117	S	S
10,000 to 49,999 lb	2 550	3 176	1 346	327	596	854	15	S	S	S
50,000 to 99,999 lb	S	94	S	1 237	S	S	S	–	–	–
100,000 lb or more	855	1 070	1 107	1 035	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	**7 781**	**4 759**	**1 571**	**380**	**2 790**	**1 608**	**34**	**772**	**750**	**67**
Less than 50 lb	311	24	12	534	69	9	–	17	3	–
50 to 99 lb	127	28	S	301	68	17	–	10	3	–
100 to 499 lb	439	133	19	157	230	83	2	53	20	2
500 to 749 lb	162	66	12	192	83	36	1	27	11	1
750 to 999 lb	135	63	15	240	78	38	1	11	6	1
1,000 to 9,999 lb	2 452	1 232	344	233	1 347	605	12	259	168	14
10,000 to 49,999 lb	4 141	3 106	1 099	323	912	792	18	395	522	47
50,000 to 99,999 lb	6	49	S	291	3	S	S	S	S	S
100,000 lb or more	S	S	S	776	–	–	–	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	**23 204**	**5 698**	**2 836**	**747**	**6 222**	**1 877**	**40**	**983**	**350**	**32**
Less than 50 lb	6 448	389	S	788	993	100	1	204	16	2
50 to 99 lb	1 319	123	51	406	303	50	1	35	8	1
100 to 499 lb	3 456	415	151	340	1 095	198	4	123	30	3
500 to 749 lb	1 154	154	55	355	503	78	2	36	7	1
750 to 999 lb	484	102	39	379	129	41	1	27	11	1
1,000 to 9,999 lb	5 408	1 575	705	398	1 810	535	9	378	139	12
10,000 to 49,999 lb	4 803	2 748	1 337	488	1 365	844	22	179	136	12
50,000 to 99,999 lb	57	47	S	258	S	S	–	S	S	S
100,000 lb or more	S	S	S	1 036	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**13 506**	**1 335**	**832**	**979**	**1 886**	**259**	**7**	**820**	**115**	**11**
Less than 50 lb	4 141	165	152	997	258	10	–	151	4	–
50 to 99 lb	560	26	16	615	67	5	–	33	2	–
100 to 499 lb	1 472	95	49	543	225	30	1	S	9	1
500 to 749 lb	355	27	15	540	47	7	–	20	2	–
750 to 999 lb	245	20	8	411	35	7	–	14	2	–
1,000 to 9,999 lb	2 674	263	82	334	572	83	2	330	30	3
10,000 to 49,999 lb	S	S	S	675	S	95	4	149	67	6
50,000 to 99,999 lb	30	S	S	921	S	S	S	S	S	S
100,000 lb or more	S	S	S	191	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**8 375**	**75 016**	**9 754**	**425**	**3 435**	**50 507**	**905**	**912**	**7 809**	**808**
Less than 50 lb	247	61	S	822	60	7	–	15	2	–
50 to 99 lb	133	21	6	276	57	12	–	S	2	–
100 to 499 lb	392	105	19	197	163	72	1	15	5	–
500 to 749 lb	87	49	5	111	34	33	–	9	3	–
750 to 999 lb	59	51	5	94	21	39	–	8	3	–
1,000 to 9,999 lb	999	3 240	215	74	481	2 773	39	73	191	17
10,000 to 49,999 lb	4 662	45 842	5 195	107	1 863	34 583	589	438	2 994	269
50,000 to 99,999 lb	1 295	16 542	1 575	95	614	9 086	237	281	3 794	359
100,000 lb or more	502	9 106	2 686	372	142	S	38	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**14 876**	**16 139**	**6 995**	**353**	**4 235**	**4 943**	**103**	**1 526**	**1 865**	**176**
Less than 50 lb	406	23	6	620	175	14	–	18	2	–
50 to 99 lb	203	29	5	165	86	17	–	12	3	–
100 to 499 lb	1 048	237	40	160	507	137	2	112	33	3
500 to 749 lb	406	137	27	193	137	67	1	S	S	S
750 to 999 lb	272	123	20	166	112	62	1	31	30	2
1,000 to 9,999 lb	4 551	3 369	597	163	1 566	1 477	40	570	629	60
10,000 to 49,999 lb	6 790	8 123	2 579	270	1 376	2 492	44	648	941	86
50,000 to 99,999 lb	460	656	163	222	179	319	S	51	87	8
100,000 lb or more	739	3 442	S	732	96	358	6	S	S	S
SCTG 33, Articles of base metal	**16 662**	**12 957**	**S**	**439**	**4 014**	**2 715**	**84**	**1 357**	**768**	**70**
Less than 50 lb	2 502	103	54	476	711	31	1	258	8	1
50 to 99 lb	771	57	18	313	224	25	–	68	8	1
100 to 499 lb	2 119	293	83	296	763	140	3	194	32	3
500 to 749 lb	1 007	125	40	313	210	49	1	54	13	1
750 to 999 lb	441	111	34	307	131	42	1	43	15	1
1,000 to 9,999 lb	4 750	1 984	663	335	1 243	744	15	415	181	16
10,000 to 49,999 lb	4 817	S	S	613	713	1 622	S	316	328	29
50,000 to 99,999 lb	158	261	124	512	11	S	S	S	S	S
100,000 lb or more	97	S	S	983	8	S	S	S	S	S
SCTG 34, Machinery	**36 494**	**4 816**	**2 911**	**372**	**6 409**	**902**	**22**	**2 257**	**279**	**26**
Less than 50 lb	4 813	136	53	350	1 277	51	1	415	14	1
50 to 99 lb	1 587	70	28	384	446	25	1	179	10	1
100 to 499 lb	4 003	315	151	447	1 038	107	2	359	26	2
500 to 749 lb	1 249	124	57	449	299	46	1	82	9	1
750 to 999 lb	998	93	61	645	117	14	–	42	6	1
1,000 to 9,999 lb	9 996	1 408	770	539	1 899	359	8	427	84	8
10,000 to 49,999 lb	13 293	2 536	1 704	679	1 310	287	8	672	122	12
50,000 to 99,999 lb	388	87	41	472	S	13	S	S	S	S
100,000 lb or more	S	48	48	1 131	–	–	–	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**49 296**	**3 095**	**2 221**	**710**	**8 479**	**583**	**13**	**1 624**	**102**	**9**
Less than 50 lb	15 971	258	178	732	3 155	78	2	533	11	1
50 to 99 lb	3 605	111	57	508	912	49	1	140	8	1
100 to 499 lb	13 268	484	276	605	2 415	188	4	517	27	3
500 to 749 lb	3 111	139	84	597	501	44	1	S	6	1
750 to 999 lb	1 160	72	47	660	254	15	–	S	3	–
1,000 to 9,999 lb	8 532	769	567	735	922	115	3	212	31	3
10,000 to 49,999 lb	3 615	1 240	998	786	320	94	1	41	13	1
50,000 to 99,999 lb	S	10	S	455	S	S	S	S	S	S
100,000 lb or more	S	S	S	737	–	–	–	–	–	–

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)	**59 712**	**8 944**	**5 948**	**306**	**8 037**	**1 597**	**39**	**2 789**	**437**	**45**
Less than 50 lb	4 381	198	80	288	1 394	76	1	524	16	2
50 to 99 lb	1 490	102	38	376	358	33	1	93	7	1
100 to 499 lb	3 501	273	89	320	530	70	2	321	34	3
500 to 749 lb	1 205	120	51	424	155	25	1	S	12	1
750 to 999 lb	937	100	30	298	S	35	S	149	14	2
1,000 to 9,999 lb	11 403	1 992	1 218	572	2 013	412	10	654	109	14
10,000 to 49,999 lb	27 884	4 489	3 060	655	2 810	618	15	924	220	21
50,000 to 99,999 lb	S	1 536	1 295	872	413	S	S	S	S	S
100,000 lb or more	115	135	S	484	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**10 408**	**438**	**410**	**894**	**549**	**10**	**–**	**94**	**9**	**1**
Less than 50 lb	1 506	7	6	924	178	1	–	S	S	S
50 to 99 lb	387	3	2	668	S	1	–	S	S	S
100 to 499 lb	1 696	18	16	809	S	S	S	S	S	S
500 to 749 lb	503	11	7	700	S	S	S	–	–	–
750 to 999 lb	S	3	3	757	7	S	S	–	–	–
1,000 to 9,999 lb	2 941	163	169	917	34	2	–	63	6	1
10,000 to 49,999 lb	3 201	174	165	1 186	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	182	–	–	–	–	–	–
100,000 lb or more	S	58	S	706	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**14 110**	**371**	**291**	**728**	**3 636**	**72**	**1**	**422**	**22**	**2**
Less than 50 lb	7 290	63	40	749	1 390	20	–	201	2	–
50 to 99 lb	1 360	28	15	493	593	12	S	19	1	–
100 to 499 lb	2 277	54	25	407	S	S	–	89	4	–
500 to 749 lb	351	12	6	473	95	3	–	S	2	–
750 to 999 lb	336	8	6	790	S	1	–	S	S	S
1,000 to 9,999 lb	1 289	37	29	674	489	9	–	3	1	–
10,000 to 49,999 lb	1 205	164	163	1 011	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	1 348	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**6 476**	**1 909**	**1 128**	**1 054**	**2 085**	**541**	**9**	**200**	**36**	**3**
Less than 50 lb	527	78	84	1 179	85	3	–	11	1	–
50 to 99 lb	252	47	39	821	73	6	–	3	–	–
100 to 499 lb	849	97	37	364	416	42	1	S	5	–
500 to 749 lb	291	44	20	445	124	16	–	8	1	–
750 to 999 lb	283	46	24	536	69	11	–	15	2	–
1,000 to 9,999 lb	2 610	587	338	579	793	143	2	69	18	2
10,000 to 49,999 lb	1 354	740	541	742	277	95	1	18	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	468	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**34 203**	**6 062**	**3 229**	**876**	**4 699**	**1 623**	**32**	**1 433**	**367**	**35**
Less than 50 lb	8 924	290	254	906	1 360	40	1	300	13	1
50 to 99 lb	1 653	98	72	739	295	24	–	59	5	–
100 to 499 lb	3 972	334	178	521	860	98	2	234	29	3
500 to 749 lb	S	135	74	545	186	36	1	53	8	1
750 to 999 lb	655	86	61	709	86	11	–	53	7	1
1,000 to 9,999 lb	7 024	1 195	709	574	857	274	6	272	56	5
10,000 to 49,999 lb	8 804	3 153	1 656	541	1 003	782	14	420	188	18
50,000 to 99,999 lb	284	337	99	291	S	S	S	39	S	S
100,000 lb or more	430	S	128	386	S	S	S	S	S	S
SCTG 41, Waste and scrap	**2 179**	**18 506**	**4 395**	**205**	**579**	**7 924**	**157**	**207**	**2 295**	**216**
Less than 50 lb	S	S	S	962	S	S	S	S	S	S
50 to 99 lb	S	S	S	310	S	S	S	–	–	–
100 to 499 lb	S	S	S	205	S	S	S	S	S	S
500 to 749 lb	S	S	S	168	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	92	S	S	34	75	S	S	S	4	S
10,000 to 49,999 lb	1 298	8 581	1 444	122	310	4 621	92	133	1 154	110
50,000 to 99,999 lb	145	S	S	139	S	S	S	30	S	S
100,000 lb or more	617	5 412	2 359	439	131	1 072	20	42	325	41
SCTG 43, Mixed freight	**17 240**	**12 318**	**S**	**291**	**5 159**	**3 484**	**87**	**2 879**	**1 383**	**131**
Less than 50 lb	303	26	11	496	104	10	–	27	3	–
50 to 99 lb	185	30	7	223	44	12	–	55	7	1
100 to 499 lb	1 235	354	45	140	453	S	4	277	68	6
500 to 749 lb	614	164	27	161	175	73	1	155	39	4
750 to 999 lb	467	145	34	227	134	54	1	99	30	3
1,000 to 9,999 lb	4 109	1 915	339	175	1 097	623	15	671	295	28
10,000 to 49,999 lb	9 945	5 788	870	150	3 083	2 027	57	1 586	923	88
50,000 to 99,999 lb	114	88	S	167	S	S	–	S	S	S
100,000 lb or more	S	S	S	757	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**3 655**	**6 945**	**S**	**468**	**825**	**1 314**	**S**	**263**	**S**	**S**
Less than 50 lb	528	13	7	590	128	4	–	S	S	S
50 to 99 lb	S	11	4	328	S	S	–	S	S	S
100 to 499 lb	446	51	12	255	97	29	–	15	4	–
500 to 749 lb	91	25	4	S	S	16	S	S	S	S
750 to 999 lb	125	28	7	S	S	S	S	S	S	S
1,000 to 9,999 lb	632	455	89	226	177	S	2	S	12	1
10,000 to 49,999 lb	885	771	315	262	247	303	3	S	S	S
50,000 to 99,999 lb	S	S	S	66	S	S	S	S	S	S
100,000 lb or more	S	S	S	738	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	**85 288**	**134 345**	**30 214**	**92 955**	**112 235**	**57 434**	**68 135**	**69 405**	**59 527**	**57 783**	**54 878**	**64 181**
Less than 50 lb	7 520	215	45	10 402	272	127	8 779	262	203	8 507	287	308
50 to 99 lb	2 626	151	31	2 863	126	58	1 793	68	53	1 662	76	80
100 to 499 lb	6 844	820	162	8 897	487	217	4 837	274	209	4 027	218	233
500 to 749 lb	3 225	408	79	2 670	226	101	2 569	134	103	1 181	107	116
750 to 999 lb	1 384	333	66	1 559	196	86	1 181	121	93	885	76	80
1,000 to 9,999 lb	15 901	6 957	1 389	16 705	3 966	1 740	10 925	2 278	1 724	10 127	1 499	1 588
10,000 to 49,999 lb	36 414	40 777	8 278	38 907	32 152	14 186	30 076	17 266	12 965	22 311	13 563	14 373
50,000 to 99,999 lb	5 052	33 116	6 505	3 481	12 399	4 809	2 908	2 263	1 697	S	1 151	1 282
100,000 lb or more	6 323	51 569	13 660	7 471	62 410	36 111	5 066	46 737	42 481	6 003	37 903	46 122
SCTG 01, Live animals and live fish	**399**	**361**	**59**	**138**	**98**	**40**	**S**	**26**	**19**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	240	37	50	55	21	22	24	17	S	S	S
50,000 to 99,999 lb	28	26	5	30	23	9	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**3 496**	**31 977**	**7 784**	**3 406**	**29 409**	**13 354**	**1 610**	**11 362**	**11 158**	**2 180**	**17 523**	**21 591**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	–	–	–	–	–	S	S	S
100 to 499 lb	S	1	–	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	75	14	43	41	18	S	S	S	S	S	S
10,000 to 49,999 lb	107	875	175	331	1 829	S	345	277	216	188	215	223
50,000 to 99,999 lb	1 191	11 477	2 300	686	6 013	2 236	S	S	S	S	S	S
100,000 lb or more	2 164	19 550	5 294	2 344	21 522	10 307	1 125	10 440	10 446	1 964	17 281	21 337
SCTG 03, Other agricultural products	**2 986**	**7 296**	**1 388**	**572**	**1 519**	**830**	**681**	**2 366**	**2 179**	**1 374**	**4 917**	**6 434**
Less than 50 lb	16	1	–	S	S	S	S	1	1	S	1	1
50 to 99 lb	S	1	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	32	14	3	S	2	1	S	S	S	S	S	S
500 to 749 lb	13	10	2	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	299	365	69	62	63	22	12	S	S	S	S	S
10,000 to 49,999 lb	S	1 588	274	145	245	101	145	S	S	181	308	327
50,000 to 99,999 lb	721	2 881	461	38	155	57	8	18	14	S	S	S
100,000 lb or more	599	2 416	575	264	1 048	S	487	1 862	1 802	1 154	4 579	6 076
SCTG 04, Animal feed and products of animal origin, n.e.c.	**2 700**	**7 756**	**1 666**	**2 182**	**5 396**	**2 535**	**1 409**	**2 941**	**2 296**	**809**	**1 586**	**1 805**
Less than 50 lb	1	–	–	S	–	–	–	–	–	S	S	–
50 to 99 lb	S	S	S	2	1	–	–	S	S	S	–	–
100 to 499 lb	17	7	1	S	2	1	3	S	S	3	S	S
500 to 749 lb	12	6	1	S	S	S	2	1	–	S	S	S
750 to 999 lb	5	2	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	295	281	57	176	123	51	57	S	S	37	29	29
10,000 to 49,999 lb	1 569	3 637	739	1 384	2 306	1 023	1 037	1 598	1 220	589	685	741
50,000 to 99,999 lb	557	2 821	579	252	1 403	589	122	459	341	14	S	S
100,000 lb or more	244	1 001	290	351	1 557	870	182	825	689	158	807	961
SCTG 05, Meat, fish, seafood, and their preparations	**5 021**	**2 569**	**555**	**6 669**	**3 360**	**1 541**	**4 919**	**2 377**	**1 801**	**4 132**	**1 847**	**1 921**
Less than 50 lb	7	2	–	–	–	–	S	S	S	S	S	S
50 to 99 lb	11	2	–	S	S	S	S	S	S	–	S	S
100 to 499 lb	53	17	3	9	S	1	1	–	–	S	S	S
500 to 749 lb	33	15	3	S	S	S	S	S	S	2	S	1
750 to 999 lb	45	18	3	7	2	1	S	1	1	S	S	S
1,000 to 9,999 lb	573	275	57	631	211	93	338	116	87	391	118	125
10,000 to 49,999 lb	4 225	2 168	471	5 713	2 943	1 352	4 442	2 153	1 617	3 623	1 660	1 721
50,000 to 99,999 lb	20	42	10	S	S	7	17	S	S	S	S	S
100,000 lb or more	S	S	S	S	183	87	112	94	86	105	67	72
SCTG 06, Milled grain products and preparations, and bakery products	**3 377**	**4 603**	**1 114**	**2 720**	**3 708**	**1 814**	**2 404**	**4 527**	**3 963**	**1 892**	**2 687**	**2 903**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	6	2	–	1	–	–	–	–	–	–	–	–
100 to 499 lb	S	37	7	19	8	3	1	1	–	1	S	S
500 to 749 lb	S	34	7	9	3	1	S	S	S	S	S	S
750 to 999 lb	41	35	7	14	7	2	S	S	S	S	S	S
1,000 to 9,999 lb	465	272	55	286	138	61	87	29	21	83	25	27
10,000 to 49,999 lb	2 267	2 390	507	1 920	2 120	997	1 694	1 740	1 351	1 419	1 208	1 202
50,000 to 99,999 lb	166	745	191	54	269	110	S	S	S	S	S	108
100,000 lb or more	270	1 086	340	280	1 159	638	548	2 718	2 559	329	1 350	1 564

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	**6 819**	**10 315**	**2 158**	**5 278**	**6 319**	**2 914**	**3 112**	**3 768**	**3 003**	**2 466**	**3 045**	**3 360**
Less than 50 lb	48	7	1	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	11	2	S	1	–	S	–	–	S	S	S
100 to 499 lb	190	99	18	47	15	6	10	3	2	S	3	3
500 to 749 lb	95	43	8	40	11	5	10	3	2	6	2	2
750 to 999 lb	66	38	7	37	10	4	17	4	3	6	2	2
1,000 to 9,999 lb	1 122	803	153	861	278	118	262	89	66	170	55	60
10,000 to 49,999 lb	4 421	6 549	1 321	3 342	3 360	1 384	2 070	1 441	1 064	1 508	1 131	1 161
50,000 to 99,999 lb	421	1 498	298	84	313	128	S	48	36	S	23	24
100,000 lb or more	422	1 268	349	837	2 328	1 268	680	2 178	1 828	739	1 829	2 108
SCTG 08, Alcoholic beverages	**1 217**	**1 562**	**381**	**1 330**	**1 792**	**754**	**268**	**477**	**371**	**S**	**314**	**345**
Less than 50 lb	2	1	–	1	–	–	S	S	S	S	S	S
50 to 99 lb	7	2	–	2	–	–	S	S	S	–	–	–
100 to 499 lb	54	17	3	10	3	1	S	S	S	–	–	–
500 to 749 lb	26	9	2	3	2	1	S	S	S	–	–	–
750 to 999 lb	20	7	1	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	100	50	10	S	9	4	8	S	S	3	1	2
10,000 to 49,999 lb	424	617	142	883	1 191	483	148	190	141	68	S	S
50,000 to 99,999 lb	224	564	127	S	363	147	S	S	S	–	–	–
100,000 lb or more	S	295	95	S	223	118	85	238	188	S	S	S
SCTG 09, Tobacco products	**458**	**42**	**8**	**87**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	39	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	147	6	1	8	2	S	S	S	S	–	–	–
500 to 749 lb	72	5	1	S	S	S	–	–	–	–	–	–
750 to 999 lb	19	3	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	105	17	3	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**27**	**54**	**22**	**35**	**34**	**27**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	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	5	S	S	4	S	S
10,000 to 49,999 lb	S	S	S	22	50	20	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 11, Natural sands	**37**	**2 992**	**632**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	6	S	149	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	6	S	307	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	169	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**69**	**10 161**	**2 598**	**38**	**2 887**	**1 799**	**25**	**4 950**	**4 714**	**21**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	12	2	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	7	856	137	2	266	127	1	66	45	S	S	S
50,000 to 99,999 lb	18	2 424	451	3	200	88	–	–	–	S	S	S
100,000 lb or more	40	6 869	2 008	33	2 420	1 584	25	4 884	4 669	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**117**	**1 179**	**267**	**94**	**1 365**	**666**	**67**	**1 461**	**1 111**	**33**	**590**	**692**
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	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	14	3	S	S	S	S	S	S	–	S	S
10,000 to 49,999 lb	82	551	117	70	663	302	23	181	131	15	103	112
50,000 to 99,999 lb	S	438	107	S	200	85	S	53	37	S	S	S
100,000 lb or more	2	176	41	8	499	278	S	1 211	928	17	479	569

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**S**	**27**	**7**	**367**	**13 452**	**11 932**	**583**	**16 258**	**13 988**	**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
500 to 749 lb	S	S	S	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	13
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	361	13 431	11 922	573	16 200	13 944	S	S	S
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**7**	**15**	**11**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	7	14	11	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**930**	**4 075**	**804**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	18	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	216	778	145	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	1 306	260	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**295**	**1 590**	**286**	**185**	**1 089**	**417**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	22	4	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	53	225	42	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	128	733	134	75	S	S	S	S	S	–	–	–
100,000 lb or more	S	608	105	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**1 343**	**11 425**	**2 844**	**738**	**4 421**	**1 905**	**182**	**S**	**S**	**72**	**64**	**74**
Less than 50 lb	S	–	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	3	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	17	8	1	13	3	1	6	2	2	3	1	1
500 to 749 lb	5	5	1	3	1	1	S	S	S	S	S	S
750 to 999 lb	5	4	1	3	2	1	S	S	S	S	–	–
1,000 to 9,999 lb	191	209	41	68	42	18	28	15	11	20	8	8
10,000 to 49,999 lb	412	1 590	296	254	S	S	53	S	S	16	19	20
50,000 to 99,999 lb	79	1 044	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	625	8 564	2 299	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**457**	**1 836**	**402**	**939**	**S**	**S**	**543**	**S**	**S**	**583**	**2 355**	**3 007**
Less than 50 lb	S	1	–	71	2	1	S	–	–	37	S	S
50 to 99 lb	7	1	–	9	1	–	S	S	S	S	S	–
100 to 499 lb	15	10	2	29	3	1	19	S	S	S	S	S
500 to 749 lb	10	4	1	4	1	–	3	S	S	S	S	S
750 to 999 lb	8	3	1	S	1	–	1	–	S	S	S	S
1,000 to 9,999 lb	85	59	12	S	45	17	S	6	5	86	9	10
10,000 to 49,999 lb	233	955	190	288	437	199	310	207	159	266	203	209
50,000 to 99,999 lb	22	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	41	493	132	S	S	S	114	S	S	139	S	S
SCTG 21, Pharmaceutical products	**4 795**	**146**	**31**	**2 961**	**109**	**48**	**2 397**	**141**	**106**	**1 076**	**S**	**S**
Less than 50 lb	1 574	18	4	923	10	5	602	5	4	374	4	4
50 to 99 lb	732	12	3	341	7	3	127	3	2	S	1	1
100 to 499 lb	1 353	35	7	720	17	8	158	8	6	155	6	7
500 to 749 lb	285	9	2	131	7	S	S	S	S	21	2	2
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	1	1
1,000 to 9,999 lb	549	41	9	635	45	S	374	30	21	150	9	9
10,000 to 49,999 lb	89	23	S	126	S	S	851	86	66	200	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**469**	**2 273**	**506**	**231**	**1 175**	**555**	**78**	**432**	**356**	**28**	**137**	**154**
Less than 50 lb	S	–	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	–	–	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	40	29	6	7	5	2	S	S	S	S	S	S
10,000 to 49,999 lb	194	777	153	66	221	89	23	80	56	6	16	17
50,000 to 99,999 lb	152	908	183	65	314	131	6	30	21	S	S	S
100,000 lb or more	79	556	163	91	634	332	45	321	278	20	114	131
SCTG 23, Chemical products and preparations, n.e.c.	**3 764**	**982**	**233**	**2 972**	**1 134**	**548**	**2 242**	**1 291**	**992**	**1 749**	**806**	**851**
Less than 50 lb	105	7	1	93	5	2	75	4	3	39	3	3
50 to 99 lb	60	7	1	67	4	2	45	2	2	9	1	1
100 to 499 lb	195	29	6	122	16	7	65	12	8	48	7	7
500 to 749 lb	62	15	3	45	10	4	24	5	4	S	3	4
750 to 999 lb	40	10	2	32	6	3	S	4	3	14	3	3
1,000 to 9,999 lb	783	164	36	505	152	65	377	91	67	230	65	66
10,000 to 49,999 lb	2 513	738	181	2 100	825	385	1 533	1 044	823	1 298	515	542
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	S	S	S
SCTG 24, Plastics and rubber	**2 662**	**1 020**	**228**	**3 931**	**1 588**	**742**	**2 491**	**934**	**724**	**1 797**	**672**	**721**
Less than 50 lb	173	10	2	248	11	5	204	6	5	204	S	S
50 to 99 lb	94	10	2	106	6	3	30	3	2	37	2	2
100 to 499 lb	420	72	14	317	35	15	170	19	14	135	13	13
500 to 749 lb	134	26	5	147	17	8	95	12	9	S	10	S
750 to 999 lb	79	18	4	84	16	7	96	9	7	93	9	9
1,000 to 9,999 lb	957	317	65	1 096	367	163	781	273	201	503	166	177
10,000 to 49,999 lb	724	460	111	1 823	1 051	496	939	435	330	668	358	378
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	80	106	25	S	82	44	168	171	152	S	S	S
SCTG 25, Logs and other wood in the rough	**25**	**154**	**29**	**21**	**73**	**30**	**8**	**13**	**11**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	16	86	17	12	40	17	3	6	4	S	S	S
50,000 to 99,999 lb	7	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	S	S	S
SCTG 26, Wood products	**1 649**	**2 188**	**431**	**1 462**	**1 265**	**589**	**770**	**543**	**445**	**902**	**394**	**438**
Less than 50 lb	36	3	1	26	S	S	18	S	S	18	1	1
50 to 99 lb	11	2	–	13	2	1	5	–	–	3	–	1
100 to 499 lb	61	12	2	30	4	2	9	2	1	9	2	2
500 to 749 lb	25	10	2	11	2	1	5	1	1	7	2	2
750 to 999 lb	16	7	1	14	3	1	4	1	1	1	–	–
1,000 to 9,999 lb	411	327	61	234	87	35	104	26	20	104	25	27
10,000 to 49,999 lb	1 008	1 589	314	1 101	1 049	482	590	368	279	730	268	294
50,000 to 99,999 lb	62	206	41	19	56	24	8	18	13	4	12	13
100,000 lb or more	S	33	9	16	58	42	27	125	130	27	84	99
SCTG 27, Pulp, newsprint, paper, and paperboard	**590**	**720**	**166**	**1 084**	**973**	**441**	**546**	**630**	**484**	**366**	**365**	**411**
Less than 50 lb	17	2	–	17	1	–	3	–	–	2	–	–
50 to 99 lb	12	3	1	4	1	–	1	–	–	S	–	–
100 to 499 lb	47	16	3	41	8	3	4	1	1	S	S	S
500 to 749 lb	23	11	2	S	S	S	1	1	–	S	S	S
750 to 999 lb	S	8	2	S	6	2	S	S	S	S	S	S
1,000 to 9,999 lb	141	113	20	118	41	17	28	10	8	S	S	S
10,000 to 49,999 lb	316	545	134	645	678	302	319	335	257	169	169	189
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	195	216	107	188	279	215	S	S	S
SCTG 28, Paper or paperboard articles	**1 111**	**844**	**179**	**1 250**	**626**	**276**	**854**	**343**	**251**	**473**	**305**	**320**
Less than 50 lb	37	2	–	38	3	1	31	2	2	S	2	2
50 to 99 lb	10	2	–	12	1	1	6	1	1	S	1	1
100 to 499 lb	55	16	3	32	5	2	10	2	2	16	4	4
500 to 749 lb	21	8	2	8	2	1	S	2	1	4	S	S
750 to 999 lb	9	4	1	7	2	1	S	S	S	S	1	S
1,000 to 9,999 lb	345	193	39	197	74	33	91	41	30	73	S	S
10,000 to 49,999 lb	634	613	133	957	533	233	687	289	211	317	199	210
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	**2 475**	**681**	**137**	**3 870**	**904**	**396**	**2 563**	**659**	**482**	**2 658**	**440**	**451**
Less than 50 lb	451	24	5	987	48	22	958	48	36	1 245	S	S
50 to 99 lb	S	19	4	266	16	7	127	9	7	152	9	9
100 to 499 lb	366	42	8	556	49	22	335	29	22	193	19	20
500 to 749 lb	78	17	3	S	19	9	73	11	8	35	6	7
750 to 999 lb	62	14	2	89	12	5	56	10	8	67	6	7
1,000 to 9,999 lb	590	250	46	778	170	77	494	162	122	449	119	124
10,000 to 49,999 lb	723	308	68	863	545	238	519	389	278	517	203	205
50,000 to 99,999 lb	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	**1 861**	**154**	**29**	**2 813**	**225**	**101**	**2 006**	**194**	**146**	**1 316**	**117**	**126**
Less than 50 lb	311	10	2	744	29	14	963	36	29	590	27	29
50 to 99 lb	40	2	–	138	6	3	67	3	2	83	3	3
100 to 499 lb	154	11	2	358	13	6	207	10	7	161	7	8
500 to 749 lb	61	5	1	S	3	1	77	5	3	39	4	4
750 to 999 lb	22	1	–	72	6	2	S	1	1	S	1	1
1,000 to 9,999 lb	S	55	10	567	53	23	107	17	12	115	11	12
10,000 to 49,999 lb	S	52	10	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 31, Nonmetallic mineral products	**1 231**	**7 484**	**1 466**	**1 341**	**6 076**	**2 655**	**635**	**1 045**	**744**	**309**	**587**	**670**
Less than 50 lb	28	2	1	47	S	S	28	2	1	32	S	S
50 to 99 lb	10	2	–	S	2	1	S	1	S	5	1	1
100 to 499 lb	60	9	2	49	7	3	S	4	3	14	2	2
500 to 749 lb	22	7	1	18	3	1	1	–	–	1	S	S
750 to 999 lb	8	4	1	7	1	–	S	2	S	S	–	–
1,000 to 9,999 lb	111	101	19	119	79	35	114	46	36	50	20	20
10,000 to 49,999 lb	614	3 160	647	893	3 171	1 354	338	737	524	203	518	595
50,000 to 99,999 lb	224	2 598	482	66	797	282	S	S	S	S	S	S
100,000 lb or more	153	1 600	312	123	1 995	968	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**2 736**	**2 589**	**524**	**2 841**	**2 380**	**1 071**	**1 510**	**1 369**	**1 051**	**1 084**	**S**	**S**
Less than 50 lb	34	2	–	39	2	1	25	1	1	S	1	1
50 to 99 lb	45	4	1	13	2	1	17	1	1	11	1	1
100 to 499 lb	126	28	6	101	19	7	74	9	7	48	5	5
500 to 749 lb	58	18	4	65	14	6	58	7	5	22	3	3
750 to 999 lb	31	14	3	36	7	3	23	5	4	9	2	2
1,000 to 9,999 lb	935	708	128	728	311	129	356	140	104	216	61	64
10,000 to 49,999 lb	1 384	1 537	311	1 693	1 685	755	829	843	636	531	416	422
50,000 to 99,999 lb	70	114	22	S	64	33	S	S	S	S	S	S
100,000 lb or more	S	S	S	107	277	136	119	321	262	196	S	S
SCTG 33, Articles of base metal	**2 587**	**2 183**	**469**	**3 037**	**1 817**	**826**	**2 291**	**S**	**S**	**1 345**	**S**	**S**
Less than 50 lb	310	11	2	410	8	3	323	23	18	197	S	S
50 to 99 lb	87	8	2	100	6	3	S	5	4	46	2	3
100 to 499 lb	348	46	9	206	23	10	220	20	15	114	12	13
500 to 749 lb	114	24	5	S	14	7	56	8	6	68	8	8
750 to 999 lb	72	22	5	78	12	5	54	7	5	14	2	3
1,000 to 9,999 lb	954	476	109	750	200	91	524	149	117	356	99	107
10,000 to 49,999 lb	682	1 500	320	1 039	S	S	940	S	S	516	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	11	S	10	S	S	S
100,000 lb or more	–	–	–	16	S	S	S	S	S	S	S	S
SCTG 34, Machinery	**5 217**	**733**	**162**	**6 157**	**886**	**411**	**5 769**	**766**	**586**	**4 239**	**497**	**516**
Less than 50 lb	861	25	5	667	14	7	541	10	8	376	8	9
50 to 99 lb	196	10	2	242	8	4	189	6	5	137	4	4
100 to 499 lb	451	36	7	683	43	20	454	30	23	401	35	37
500 to 749 lb	158	15	3	190	17	7	176	12	9	155	9	10
750 to 999 lb	86	11	2	225	20	9	258	19	15	79	9	9
1,000 to 9,999 lb	1 021	170	37	1 701	245	111	1 663	208	158	1 481	136	141
10,000 to 49,999 lb	2 366	440	98	2 400	531	249	2 346	438	337	1 548	280	287
50,000 to 99,999 lb	S	27	6	S	S	S	90	22	16	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**3 784**	**284**	**65**	**8 264**	**666**	**316**	**5 949**	**411**	**310**	**7 789**	**320**	**339**
Less than 50 lb	1 117	20	4	2 360	27	13	1 673	27	22	1 923	32	35
50 to 99 lb	266	9	2	511	11	5	286	6	4	562	11	12
100 to 499 lb	800	31	7	2 453	68	34	1 772	39	31	1 675	37	41
500 to 749 lb	S	18	4	314	13	6	S	17	13	262	10	11
750 to 999 lb	128	9	2	290	14	7	129	8	6	62	8	8
1,000 to 9,999 lb	665	81	18	1 430	181	83	853	101	76	S	78	83
10,000 to 49,999 lb	245	112	27	895	346	165	657	212	156	429	140	145
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

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)	**6 686**	**1 154**	**240**	**11 953**	**1 815**	**848**	**10 097**	**1 394**	**1 068**	**8 990**	**1 146**	**1 273**
Less than 50 lb	759	29	6	623	23	10	375	18	15	366	16	17
50 to 99 lb	404	20	5	289	19	9	162	12	9	127	8	8
100 to 499 lb	808	81	16	S	43	18	207	18	14	104	9	10
500 to 749 lb	177	25	5	388	28	11	185	15	12	S	S	S
750 to 999 lb	158	17	3	148	18	8	38	6	5	S	S	S
1,000 to 9,999 lb	1 368	321	69	2 227	392	180	1 695	256	197	778	131	144
10,000 to 49,999 lb	2 710	558	112	5 554	1 059	494	5 187	735	557	4 660	607	664
50,000 to 99,999 lb	S	60	S	S	S	S	S	334	260	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**561**	**50**	**11**	**1 321**	**132**	**65**	**2 055**	**69**	**54**	**1 528**	**43**	**45**
Less than 50 lb	100	1	–	335	2	1	S	S	S	S	S	S
50 to 99 lb	74	S	S	72	1	–	38	–	S	57	–	S
100 to 499 lb	S	S	S	315	3	2	S	3	2	147	3	3
500 to 749 lb	S	1	–	S	1	1	S	S	S	S	2	2
750 to 999 lb	3	–	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	219	16	3	337	29	14	359	28	21	503	25	25
10,000 to 49,999 lb	34	28	7	178	S	S	S	22	17	S	8	9
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**792**	**32**	**6**	**1 970**	**34**	**17**	**1 685**	**56**	**45**	**1 815**	**36**	**40**
Less than 50 lb	473	6	1	1 174	8	4	933	8	6	1 220	6	7
50 to 99 lb	43	S	–	200	4	2	103	2	1	136	S	S
100 to 499 lb	116	5	1	333	5	3	167	5	4	206	4	4
500 to 749 lb	21	S	S	72	2	1	S	S	S	16	S	1
750 to 999 lb	S	S	S	36	1	–	S	1	S	S	1	1
1,000 to 9,999 lb	56	5	1	81	3	2	204	4	3	86	4	4
10,000 to 49,999 lb	S	9	1	S	S	S	193	35	29	115	12	12
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	**709**	**304**	**79**	**954**	**283**	**133**	**799**	**241**	**181**	**652**	**180**	**186**
Less than 50 lb	33	3	1	61	10	5	72	S	8	83	13	14
50 to 99 lb	13	2	–	S	S	S	10	1	1	S	S	S
100 to 499 lb	63	12	3	100	15	6	76	9	7	49	7	7
500 to 749 lb	30	5	1	51	9	4	25	4	3	19	3	3
750 to 999 lb	57	7	2	49	9	4	31	5	4	21	4	4
1,000 to 9,999 lb	290	81	18	444	116	54	366	89	69	291	64	66
10,000 to 49,999 lb	206	171	47	197	115	56	209	116	84	140	70	73
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**4 093**	**827**	**174**	**6 224**	**1 012**	**462**	**6 311**	**791**	**587**	**4 535**	**691**	**730**
Less than 50 lb	824	21	5	1 247	34	16	1 534	48	36	1 343	47	53
50 to 99 lb	129	8	2	315	14	6	252	10	8	173	10	11
100 to 499 lb	357	41	8	666	48	22	559	37	29	441	28	31
500 to 749 lb	S	23	4	225	18	8	S	16	12	194	16	17
750 to 999 lb	33	7	2	114	19	9	112	10	8	98	9	10
1,000 to 9,999 lb	629	165	34	1 646	204	90	1 336	181	137	928	125	134
10,000 to 49,999 lb	1 144	442	94	1 832	577	265	1 694	424	309	1 169	418	433
50,000 to 99,999 lb	64	93	18	64	51	23	46	27	20	14	10	11
100,000 lb or more	37	27	7	114	48	23	S	36	29	S	S	S
SCTG 41, Waste and scrap	**428**	**3 021**	**685**	**602**	**3 539**	**1 606**	**239**	**1 245**	**1 002**	**53**	**188**	**209**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	13	3	2	2	1	S	S	S	–	–	–
10,000 to 49,999 lb	245	1 064	226	413	1 294	524	105	205	141	35	S	S
50,000 to 99,999 lb	27	S	S	S	S	S	S	S	22	S	32	33
100,000 lb or more	143	1 134	291	164	1 689	871	119	1 010	837	S	68	79
SCTG 43, Mixed freight	**6 520**	**3 414**	**648**	**1 305**	**S**	**S**	**395**	**S**	**S**	**527**	**S**	**S**
Less than 50 lb	46	4	1	33	2	1	S	S	S	22	1	1
50 to 99 lb	37	4	1	S	S	S	S	–	–	S	1	1
100 to 499 lb	322	68	13	S	14	6	27	S	S	12	3	3
500 to 749 lb	136	29	5	S	11	5	27	4	3	S	S	S
750 to 999 lb	85	31	6	49	10	4	S	S	S	S	S	S
1,000 to 9,999 lb	1 568	729	145	516	213	93	110	21	15	S	8	9
10,000 to 49,999 lb	4 242	2 432	456	501	239	102	162	62	43	303	86	93
50,000 to 99,999 lb	34	32	6	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**619**	**S**	**S**	**877**	**S**	**S**	**421**	**217**	**182**	**265**	**66**	**69**
Less than 50 lb	S	S	S	S	1	–	S	1	1	26	1	1
50 to 99 lb	S	S	S	S	1	–	S	S	S	S	S	S
100 to 499 lb	28	S	S	S	S	S	25	1	1	S	S	2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	–	–
750 to 999 lb	S	S	S	S	S	S	8	S	S	S	S	S
1,000 to 9,999 lb	S	77	18	102	33	15	57	13	10	57	S	S
10,000 to 49,999 lb	41	35	7	S	S	S	78	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	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**76 866**	**73 588**	**124 125**	**15 748**	**5 116**	**10 458**	**700**	**S**	**S**
Less than 50 lb	11 538	338	492	3 608	66	130	311	S	S
50 to 99 lb	2 223	95	146	504	24	46	S	3	8
100 to 499 lb	7 303	317	473	1 409	54	106	S	6	21
500 to 749 lb	1 941	115	170	252	26	52	S	S	S
750 to 999 lb	1 017	112	162	229	20	41	S	S	S
1,000 to 9,999 lb	12 499	2 026	3 017	2 270	414	820	29	7	22
10,000 to 49,999 lb	30 731	13 400	20 451	5 709	2 290	4 536	28	12	S
50,000 to 99,999 lb	1 164	1 395	2 257	S	342	719	S	S	S
100,000 lb or more	8 449	55 788	96 957	472	1 879	4 009	–	–	–
SCTG 01, Live animals and live fish	**S**	**20**	**30**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	17	17	26	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**4 067**	**33 805**	**60 133**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	32	47	S	S	S	–	–	–
10,000 to 49,999 lb	354	386	587	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	3 659	33 368	59 473	–	–	–	–	–	–
SCTG 03, Other agricultural products	**1 481**	**5 751**	**9 397**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	12	1	1	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	5	S	7	S	S	S	–	–	–
10,000 to 49,999 lb	190	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	1 248	5 291	8 714	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**1 496**	**3 442**	**5 847**	**101**	**90**	**189**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	53	26	39	S	S	S	–	–	–
10,000 to 49,999 lb	902	1 262	2 063	70	63	128	S	S	S
50,000 to 99,999 lb	45	75	111	S	S	S	–	–	–
100,000 lb or more	486	2 077	3 633	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**10 165**	**3 607**	**5 391**	**712**	**289**	**559**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	2	–	1	S	S	S	–	–	–
500 to 749 lb	S	1	1	S	S	S	–	–	–
750 to 999 lb	S	S	S	3	–	1	–	–	–
1,000 to 9,999 lb	1 163	282	421	59	15	28	–	–	–
10,000 to 49,999 lb	8 636	3 111	4 626	539	200	374	–	–	–
50,000 to 99,999 lb	S	156	245	S	S	S	S	S	S
100,000 lb or more	83	55	93	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**1 621**	**3 115**	**4 940**	**433**	**470**	**926**	**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	2	S	2	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	1	S	S	S	–	–	–
1,000 to 9,999 lb	45	29	40	9	6	11	S	S	S
10,000 to 49,999 lb	1 032	1 034	1 535	S	259	485	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	484	2 040	3 347	33	172	365	–	–	–

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	**3 136**	**4 055**	**6 758**	**447**	**785**	**1 644**	**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	5	2	4	S	S	S	–	–	–
500 to 749 lb	7	2	3	S	S	S	–	–	–
750 to 999 lb	S	4	6	S	S	S	–	–	–
1,000 to 9,999 lb	194	70	108	82	13	26	S	S	S
10,000 to 49,999 lb	1 689	1 039	1 549	228	188	380	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	1 181	2 914	5 054	106	566	1 202	–	–	–
SCTG 08, Alcoholic beverages	**227**	**378**	**622**	**97**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	12	2	4	S	S	S	–	–	–
10,000 to 49,999 lb	100	97	133	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 09, Tobacco products	**S**	**–**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**72**	**46**	**72**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	23	33	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
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 12, Gravel and crushed stone	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**38**	**633**	**1 016**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	22	161	232	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	15	472	782	–	–	–	–	–	–

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	**192**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	85	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	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**31**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	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	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	8	S	S	S	–	–	–
10,000 to 49,999 lb	S	4	5	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 20, Basic chemicals	**536**	**3 453**	**5 706**	**128**	**85**	**170**	**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	7	1	1	4	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	19	3	4	S	2	5	–	–	–
10,000 to 49,999 lb	254	246	388	59	38	75	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**1 780**	**60**	**86**	**274**	**16**	**31**	**S**	**–**	**1**
Less than 50 lb	261	3	4	151	1	3	S	–	–
50 to 99 lb	183	1	2	S	S	S	S	S	S
100 to 499 lb	S	8	11	24	1	2	S	S	S
500 to 749 lb	S	3	4	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	109	5	7	S	S	S	–	–	–
10,000 to 49,999 lb	699	39	55	S	12	23	–	–	–
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	**48**	**214**	**370**	**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	8	24	36	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	36	185	326	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**1 472**	**557**	**831**	**1 055**	**382**	**766**	**S**	**S**	**S**
Less than 50 lb	23	1	2	6	1	1	S	–	S
50 to 99 lb	S	1	2	S	S	S	–	–	–
100 to 499 lb	56	7	S	8	2	4	S	S	S
500 to 749 lb	S	2	3	S	S	S	S	S	S
750 to 999 lb	13	3	4	S	1	2	–	–	–
1,000 to 9,999 lb	267	67	92	39	15	30	S	S	S
10,000 to 49,999 lb	1 082	470	712	987	361	726	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**1 716**	**433**	**635**	**617**	**162**	**332**	**S**	**S**	**S**
Less than 50 lb	226	6	9	68	2	3	S	S	S
50 to 99 lb	45	2	3	11	1	1	–	–	–
100 to 499 lb	183	16	25	43	3	7	S	S	S
500 to 749 lb	73	6	9	9	1	3	–	–	–
750 to 999 lb	113	15	20	S	2	4	–	–	–
1,000 to 9,999 lb	449	110	162	178	37	75	–	–	–
10,000 to 49,999 lb	627	277	405	223	66	132	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	51	50	108	–	–	–
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 26, Wood products	**856**	**1 023**	**1 738**	**151**	**194**	**469**	**S**	**S**	**S**
Less than 50 lb	30	3	4	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	15	2	3	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	5	1	2	S	S	S	–	–	–
1,000 to 9,999 lb	106	22	30	16	5	9	–	–	–
10,000 to 49,999 lb	587	S	S	97	39	79	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	82	317	613	31	149	377	–	–	–
SCTG 27, Pulp, newsprint, paper, and paperboard	**495**	**514**	**809**	**201**	**142**	**314**	**S**	**S**	**S**
Less than 50 lb	6	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	163	171	248	152	78	166	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	252	310	514	S	S	S	–	–	–
SCTG 28, Paper or paperboard articles	**419**	**235**	**352**	**112**	**46**	**90**	**S**	**S**	**S**
Less than 50 lb	S	3	4	S	1	3	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	4	S	S	S	–	–	–
500 to 749 lb	S	1	2	S	S	S	–	–	–
750 to 999 lb	6	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	129	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	178	119	171	61	39	76	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**3 625**	**579**	**856**	**709**	**195**	**388**	**S**	**S**	**S**
Less than 50 lb	1 195	48	72	323	S	S	S	S	S
50 to 99 lb	177	10	15	S	S	S	S	S	S
100 to 499 lb	725	45	64	63	4	7	S	S	S
500 to 749 lb	117	12	18	S	S	S	S	S	S
750 to 999 lb	42	8	12	S	S	S	–	–	–
1,000 to 9,999 lb	830	181	276	78	18	34	S	S	S
10,000 to 49,999 lb	530	238	352	108	83	163	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**2 431**	**S**	**S**	**339**	**25**	**49**	**33**	**S**	**S**
Less than 50 lb	896	41	58	201	4	9	26	S	S
50 to 99 lb	S	S	S	9	–	1	S	S	S
100 to 499 lb	199	11	16	49	4	7	S	S	S
500 to 749 lb	40	2	3	11	1	2	–	–	–
750 to 999 lb	S	2	2	S	S	S	–	–	–
1,000 to 9,999 lb	172	11	16	S	3	5	–	–	–
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 31, Nonmetallic mineral products	**363**	**S**	**S**	**149**	**328**	**686**	**S**	**S**	**S**
Less than 50 lb	33	S	S	S	–	–	S	S	S
50 to 99 lb	8	1	1	S	S	S	–	–	–
100 to 499 lb	46	4	6	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	40	23	35	12	6	13	S	S	S
10,000 to 49,999 lb	215	S	S	97	S	407	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	10	S	S	S	S	S	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**586**	**S**	**S**	**343**	**115**	**241**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	–	–	S	S	S
50 to 99 lb	14	1	1	S	–	–	S	S	S
100 to 499 lb	68	6	8	11	1	1	S	S	S
500 to 749 lb	22	3	5	S	S	S	S	S	S
750 to 999 lb	30	3	5	S	S	S	–	–	–
1,000 to 9,999 lb	102	32	46	64	12	24	S	S	S
10,000 to 49,999 lb	185	174	253	144	36	71	–	–	–
50,000 to 99,999 lb	S	8	14	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 33, Articles of base metal	**1 719**	**S**	**S**	**300**	**149**	**294**	**12**	**S**	**S**
Less than 50 lb	218	11	16	70	1	3	S	–	–
50 to 99 lb	67	3	5	S	–	1	S	S	S
100 to 499 lb	250	18	25	22	2	3	S	S	S
500 to 749 lb	108	8	11	S	–	–	S	S	S
750 to 999 lb	45	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	444	110	157	63	S	S	S	S	S
10,000 to 49,999 lb	514	S	S	94	S	87	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	19	38	66	S	S	S	–	–	–
SCTG 34, Machinery	**5 342**	**631**	**940**	**1 093**	**120**	**239**	**9**	**S**	**S**
Less than 50 lb	541	11	17	132	S	S	S	–	–
50 to 99 lb	158	5	8	S	S	S	S	S	S
100 to 499 lb	519	33	49	99	4	9	S	S	S
500 to 749 lb	156	13	21	33	2	4	S	S	S
750 to 999 lb	166	13	19	25	3	5	S	S	S
1,000 to 9,999 lb	1 695	191	279	109	15	28	S	S	S
10,000 to 49,999 lb	1 999	347	525	646	89	178	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10 524**	**553**	**816**	**2 571**	**169**	**333**	**S**	**S**	**S**
Less than 50 lb	3 899	55	81	1 260	9	18	S	–	2
50 to 99 lb	757	14	23	81	2	4	S	S	S
100 to 499 lb	2 977	74	114	485	15	29	S	S	S
500 to 749 lb	717	23	34	66	S	S	S	S	S
750 to 999 lb	195	10	14	S	S	S	–	–	–
1,000 to 9,999 lb	1 271	104	149	312	S	S	–	–	–
10,000 to 49,999 lb	701	272	400	S	51	102	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**8 563**	**1 012**	**1 624**	**2 579**	**386**	**807**	**S**	**S**	**S**
Less than 50 lb	287	15	22	54	S	S	1	–	–
50 to 99 lb	43	4	6	4	–	–	S	S	S
100 to 499 lb	205	16	24	9	1	2	S	S	S
500 to 749 lb	141	10	15	2	–	1	–	–	–
750 to 999 lb	21	3	4	S	S	S	–	–	–
1,000 to 9,999 lb	2 304	314	S	360	56	S	S	S	S
10,000 to 49,999 lb	4 988	522	856	1 047	169	341	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**S**	**S**	**S**	**S**	**8**	**16**	**S**	**S**	**S**
Less than 50 lb	374	1	2	69	S	–	S	S	S
50 to 99 lb	36	–	1	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	1	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	4	7	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**2 785**	**105**	**153**	**979**	**13**	**26**	**28**	**–**	**1**
Less than 50 lb	1 227	10	15	648	S	S	23	–	–
50 to 99 lb	212	3	4	53	1	2	S	S	S
100 to 499 lb	309	6	9	46	S	S	S	S	S
500 to 749 lb	36	1	2	12	S	1	–	–	–
750 to 999 lb	116	2	3	S	S	S	–	–	–
1,000 to 9,999 lb	182	7	10	188	4	9	–	–	–
10,000 to 49,999 lb	703	77	110	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	**843**	**251**	**357**	**221**	**66**	**129**	**S**	**S**	**S**
Less than 50 lb	159	32	42	S	S	S	S	S	S
50 to 99 lb	52	11	S	2	–	1	S	S	S
100 to 499 lb	57	6	9	10	2	3	S	S	S
500 to 749 lb	23	3	5	10	2	4	S	S	S
750 to 999 lb	32	6	8	S	S	S	–	–	–
1,000 to 9,999 lb	243	51	75	112	25	49	S	S	S
10,000 to 49,999 lb	260	132	189	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**5 583**	**596**	**886**	**1 272**	**150**	**294**	**54**	**5**	**S**
Less than 50 lb	1 866	72	109	418	13	25	S	S	S
50 to 99 lb	279	17	25	147	9	18	S	–	–
100 to 499 lb	680	44	66	171	9	17	S	S	S
500 to 749 lb	192	14	21	31	5	9	S	S	S
750 to 999 lb	122	18	26	28	3	6	S	S	S
1,000 to 9,999 lb	1 075	135	196	277	54	104	S	S	S
10,000 to 49,999 lb	1 340	271	404	196	50	101	S	S	S
50,000 to 99,999 lb	S	8	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 41, Waste and scrap	**59**	**212**	**348**	**S**	**82**	**173**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	50	140	224	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	3	52	89	S	S	S	–	–	–
SCTG 43, Mixed freight	**392**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	25	2	3	S	S	S	S	S	S
50 to 99 lb	S	–	1	S	S	S	–	–	–
100 to 499 lb	S	5	7	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	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	–	–	–

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	**217**	**S**	**S**	**S**	**5**	**11**	**S**	**S**	**S**
Less than 50 lb	35	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	13	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	34	13	18	S	S	S	S	S	S
10,000 to 49,999 lb	95	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	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**	**6.4**
Single modes	**2.3**	**.9**	**3.0**	**1.2**	**6.4**	**1.9**	**3.6**
Truck	1.7	1.0	3.7	1.5	5.5	2.1	3.0
For-hire truck	2.4	1.0	5.3	1.4	5.8	1.7	5.5
Private truck	3.0	.8	4.6	1.2	6.5	.5	3.7
Rail	17.0	1.2	9.0	1.6	11.6	2.9	5.2
Water	16.8	.1	15.5	.7	16.6	1.8	7.7
Shallow draft	17.0	.1	15.2	.6	17.2	1.8	7.7
Great Lakes	50.0	–	S	S	S	S	21.4
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	7.6	.2	18.5	–	22.6	–	1.8
Pipeline	34.9	.2	37.6	.5	S	S	S
Multiple modes	**6.2**	**.8**	**23.9**	**.7**	**23.6**	**1.8**	**4.4**
Parcel, U.S. Postal Service or courier	6.4	.8	8.1	–	11.4	–	4.4
Truck and rail	23.8	.3	19.8	–	18.3	.3	3.9
Truck and water	S	S	S	S	S	S	17.5
Rail and water	30.3	–	30.7	.6	31.2	1.7	13.9
Other multiple modes	S	S	S	S	38.6	–	S
Other and unknown modes	**8.1**	**.3**	**17.0**	**.8**	**28.3**	**.6**	**25.8**

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

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

Table B–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	**1.9**	**1.8**	**3.3**	**3.0**	**2.8**	**5.1**	**6.2**	**7.7**	**12.6**	**6.4**	**6.1**	**11.2**
Single modes	**2.3**	**2.0**	**3.8**	**3.0**	**3.0**	**5.1**	**6.4**	**8.4**	**13.3**	**3.6**	**11.9**	**11.3**
Truck	1.7	2.2	3.4	3.7	3.3	6.1	5.5	2.7	7.9	3.0	7.7	7.7
For-hire truck	2.4	3.0	4.5	5.3	4.5	8.6	5.8	2.0	8.4	5.5	4.7	5.9
Private truck	3.0	2.5	4.9	4.6	4.0	7.3	6.5	7.7	10.7	3.7	3.4	5.0
Rail	17.0	6.3	30.3	9.0	10.2	17.5	11.6	12.1	23.4	5.2	3.2	6.2
Water	16.8	28.0	33.2	15.5	23.2	25.3	16.6	28.9	27.5	7.7	32.6	38.6
Shallow draft	17.0	29.0	34.0	15.2	23.5	25.4	17.2	30.0	29.2	7.7	13.4	18.9
Great Lakes	50.0	S	S	S	S	S	S	S	S	21.4	20.5	20.5
Deep draft	S	44.6	S	S	38.6	S	S	39.3	S	21.8	20.3	–
Air (includes truck and air)	7.6	30.9	29.6	18.5	S	S	22.6	44.6	51.5	1.8	6.5	7.2
Pipeline	34.9	26.1	71.6	37.6	24.4	57.6	S	S	S	S	S	S
Multiple modes	**6.2**	**5.0**	**12.4**	**23.9**	**33.0**	**70.0**	**23.6**	**34.9**	**74.1**	**4.4**	**4.3**	**7.4**
Parcel, U.S. Postal Service or courier	6.4	4.2	12.7	8.1	9.1	16.0	11.4	13.3	26.8	4.4	4.3	7.4
Truck and rail	23.8	34.1	40.4	19.8	13.3	45.3	18.3	15.0	48.0	3.9	7.2	8.6
Truck and water	S	43.6	S	S	S	S	S	S	S	17.5	35.9	67.6
Rail and water	30.3	45.2	145.1	30.7	S	S	31.2	S	S	13.9	17.7	36.1
Other multiple modes	S	S	S	S	S	S	38.6	S	S	S	22.7	S
Other and unknown modes	**8.1**	**12.0**	**16.5**	**17.0**	**21.7**	**35.2**	**28.3**	**S**	**S**	**25.8**	**21.9**	**17.4**

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

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

Table B–1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the Division: Percent of Total 1997 and 1993

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	**–**	**–**	**–**	**–**	**–**	**–**
Single modes	**.9**	**.7**	**1.2**	**1.1**	**1.9**	**2.2**
Truck	1.0	1.0	1.5	1.7	2.1	2.8
For-hire truck	1.0	.9	1.4	1.4	1.7	2.1
Private truck	.8	.7	1.2	1.1	.5	.9
Rail	1.2	.4	1.6	1.6	2.9	2.8
Water	.1	.2	.7	1.2	1.8	3.5
Shallow draft	.1	.2	.6	1.1	1.8	3.3
Great Lakes	–	S	S	S	S	S
Deep draft	S	–	S	–	S	–
Air (includes truck and air)	.2	.8	–	S	–	–
Pipeline	.2	.1	.5	.4	S	S
Multiple modes	**.8**	**.6**	**.7**	**.7**	**1.8**	**1.7**
Parcel, U.S. Postal Service or courier	.8	.5	–	–	–	–
Truck and rail	.3	.5	–	–	.3	.2
Truck and water	S	–	S	S	S	S
Rail and water	–	–	.6	S	1.7	S
Other multiple modes	S	S	S	S	–	S
Other and unknown modes	**.3**	**.4**	**.8**	**1.0**	**.6**	**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–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	**6.2**	**–**	**6.5**
Truck	5.4	2.1	2.9
Rail	11.2	2.9	4.7
Shallow draft	17.7	1.9	6.9
Great Lakes	26.1	1.3	14.7
Deep draft	S	S	15.7
Air	22.5	–	1.9
Parcel, U.S. Postal Service or courier	11.4	–	4.4
Pipeline	S	S	S
Other and unknown modes	28.2	.6	26.0

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

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

Table B–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	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**
Less than 50 miles	1.7	.7	4.9	1.5	5.3	.2
50 to 99 miles	4.8	.3	6.1	.7	6.6	.2
100 to 249 miles	3.1	.4	6.0	.8	7.2	.8
250 to 499 miles	3.1	.3	9.1	.8	11.1	1.2
500 to 749 miles	3.8	.3	9.5	.6	10.6	1.4
750 to 999 miles	5.8	.4	13.0	.6	12.4	1.7
1,000 to 1,499 miles	5.3	.5	10.2	.6	10.9	2.0
1,500 to 1,999 miles	7.1	.2	7.3	–	7.2	.2
2,000 miles or more	25.0	–	S	S	S	S
Single modes	**2.3**	**–**	**3.0**	**–**	**6.4**	**–**
Less than 50 miles	1.8	.7	4.7	1.4	5.5	.2
50 to 99 miles	5.3	.4	6.1	.7	6.6	.2
100 to 249 miles	3.4	.5	6.1	.8	7.3	.9
250 to 499 miles	3.1	.3	7.5	.6	7.3	.8
500 to 749 miles	4.4	.3	11.7	.7	12.8	1.6
750 to 999 miles	8.0	.5	14.2	.6	13.6	1.7
1,000 to 1,499 miles	6.9	.6	10.7	.7	11.5	2.2
1,500 to 1,999 miles	8.4	.2	8.3	–	8.3	.2
2,000 miles or more	31.8	–	28.0	–	33.7	–
Truck	**1.7**	**–**	**3.7**	**–**	**5.5**	**–**
Less than 50 miles	1.8	.7	5.1	1.3	5.9	.5
50 to 99 miles	5.5	.4	6.3	.8	6.2	.4
100 to 249 miles	3.8	.4	4.7	.5	5.1	.8
250 to 499 miles	2.3	.3	5.8	.4	5.5	.8
500 to 749 miles	2.8	.2	6.4	.2	6.5	.8
750 to 999 miles	5.8	.4	18.5	.3	19.4	1.4
1,000 to 1,499 miles	5.2	.4	7.8	.1	8.3	1.0
1,500 to 1,999 miles	9.2	.2	12.4	–	12.5	.4
2,000 miles or more	48.7	–	29.5	–	30.6	–
For-hire truck	**2.4**	**–**	**5.3**	**–**	**5.8**	**–**
Less than 50 miles	6.0	.7	10.0	2.1	8.6	.3
50 to 99 miles	6.4	.4	8.2	.9	7.7	.4
100 to 249 miles	4.1	.5	5.4	1.0	6.2	.8
250 to 499 miles	2.8	.5	6.1	.8	5.5	.8
500 to 749 miles	3.0	.3	7.6	.6	7.7	1.0
750 to 999 miles	2.8	.3	13.7	.4	14.5	1.1
1,000 to 1,499 miles	5.5	.7	8.3	.3	8.8	1.2
1,500 to 1,999 miles	9.1	.3	13.1	–	13.1	.6
2,000 miles or more	49.4	–	29.9	–	31.1	–
Private truck	**3.0**	**–**	**4.6**	**–**	**6.5**	**–**
Less than 50 miles	3.1	1.3	5.7	1.3	6.9	1.5
50 to 99 miles	9.3	.8	8.7	.9	8.8	1.3
100 to 249 miles	6.1	.8	5.7	.5	5.2	1.1
250 to 499 miles	6.7	.5	14.4	.4	14.6	1.7
500 to 749 miles	8.4	.3	9.8	–	9.4	.7
750 to 999 miles	14.8	.2	S	S	S	S
1,000 to 1,499 miles	9.6	.1	8.9	–	8.8	.5
1,500 to 1,999 miles	21.1	–	18.2	–	18.3	.2
2,000 miles or more	S	S	S	S	S	S
Rail	**17.0**	**–**	**9.0**	**–**	**11.6**	**–**
Less than 50 miles	21.9	.7	31.5	1.7	S	S
50 to 99 miles	22.6	.6	28.6	2.2	29.3	.3
100 to 249 miles	19.0	3.1	18.5	3.2	18.8	1.7
250 to 499 miles	21.9	1.9	15.7	2.3	13.3	1.5
500 to 749 miles	27.8	1.7	25.9	1.7	26.2	1.9
750 to 999 miles	29.3	2.2	23.6	1.9	22.2	2.0
1,000 to 1,499 miles	21.6	2.1	13.8	2.0	14.2	2.6
1,500 to 1,999 miles	41.3	1.4	12.0	.2	11.7	.5
2,000 miles or more	–	–	–	–	–	–
Water	**16.8**	**–**	**15.5**	**–**	**16.6**	**–**
Less than 50 miles	48.8	1.9	46.0	1.8	S	S
50 to 99 miles	49.4	1.2	44.2	1.1	40.8	.3
100 to 249 miles	38.5	4.2	32.8	4.7	35.7	2.1
250 to 499 miles	46.0	4.2	43.6	3.5	46.5	4.1
500 to 749 miles	42.7	5.8	32.3	4.7	32.7	6.5
750 to 999 miles	29.4	7.8	32.0	6.7	32.8	7.5
1,000 to 1,499 miles	46.8	6.5	43.0	6.5	43.1	7.5
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**17.0**	**–**	**15.2**	**–**	**17.2**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49.4	1.2	44.2	1.3	40.8	.6
100 to 249 miles	38.5	4.3	32.8	4.8	35.7	2.2
250 to 499 miles	46.8	4.2	46.4	3.5	48.1	4.1
500 to 749 miles	44.4	6.1	32.4	5.2	33.0	6.7
750 to 999 miles	29.4	8.2	32.0	6.8	32.8	7.9
1,000 to 1,499 miles	46.8	6.5	43.0	6.5	43.1	7.5
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	**50.0**	**–**	**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	–	–	–	–	–	–
Deep draft	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**7.6**	**–**	**18.5**	**–**	**22.6**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	34.6	.7	S	S	S	S
100 to 249 miles	26.1	1.1	38.9	1.4	33.0	.4
250 to 499 miles	9.0	2.7	16.2	3.7	19.3	2.6
500 to 749 miles	26.9	3.0	31.1	2.6	29.2	2.2
750 to 999 miles	17.8	1.9	39.8	2.4	44.6	2.4
1,000 to 1,499 miles	18.8	3.5	27.0	3.0	29.6	3.2
1,500 to 1,999 miles	27.0	1.9	S	S	S	S
2,000 miles or more	36.5	.3	45.9	1.0	46.3	2.4
Pipeline	**34.9**	**–**	**37.6**	**–**	**S**	**S**
Less than 50 miles	31.6	9.0	35.7	9.0	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	S	S
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	**6.2**	**–**	**23.9**	**–**	**23.6**	**–**
Less than 50 miles	9.5	1.0	37.0	2.7	30.3	–
50 to 99 miles	8.4	.2	27.6	.8	34.6	–
100 to 249 miles	9.6	.9	18.0	2.0	23.0	.8
250 to 499 miles	7.6	.7	29.6	7.0	30.5	7.0
500 to 749 miles	8.2	.6	34.9	4.1	34.9	4.0
750 to 999 miles	7.1	.6	39.5	4.3	38.6	4.7
1,000 to 1,499 miles	9.9	1.1	14.7	2.9	15.4	5.3
1,500 to 1,999 miles	13.8	.8	21.9	.6	22.2	1.5
2,000 miles or more	33.9	.2	S	S	S	S
Parcel, U.S. Postal Service or courier	**6.4**	**–**	**8.1**	**–**	**11.4**	**–**
Less than 50 miles	9.6	1.0	9.9	1.1	9.6	–
50 to 99 miles	8.6	.3	7.3	.4	7.0	–
100 to 249 miles	9.8	1.1	7.9	1.1	8.1	.4
250 to 499 miles	7.8	.7	7.5	.9	7.7	.7
500 to 749 miles	9.3	.8	9.8	.6	10.0	.7
750 to 999 miles	7.5	.6	16.0	1.1	15.5	.9
1,000 to 1,499 miles	10.8	1.2	13.9	1.2	13.8	1.5
1,500 to 1,999 miles	16.4	.8	11.8	.4	11.9	1.1
2,000 miles or more	37.0	.2	47.3	.3	S	S
Truck and rail	**23.8**	**–**	**19.8**	**–**	**18.3**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	47.7	1.7	33.1	1.0	34.3	.3
250 to 499 miles	29.7	1.4	31.5	5.7	31.1	4.2
500 to 749 miles	27.0	2.5	26.4	2.5	25.6	1.7
750 to 999 miles	24.3	3.2	20.7	2.8	21.4	2.4
1,000 to 1,499 miles	30.0	3.5	20.9	4.1	20.8	4.3
1,500 to 1,999 miles	40.2	2.4	28.5	2.3	28.1	3.1
2,000 miles or more	–	–	–	–	–	–
Truck and water	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	–	–	–	–	–	–
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	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	41.5	11.0	S	S	S	S

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	**30.3**	**–**	**30.7**	**–**	**31.2**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	33.9	7.4	32.1	7.8	32.2	7.6
500 to 749 miles	38.3	6.5	39.7	6.1	39.3	6.0
750 to 999 miles	48.6	8.8	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**38.6**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	49.2	10.1	49.3	8.1
Other and unknown modes	**8.1**	**–**	**17.0**	**–**	**28.3**	**–**
Less than 50 miles	8.8	2.8	21.4	6.2	22.1	4.5
50 to 99 miles	14.4	1.0	24.5	.8	25.9	1.1
100 to 249 miles	16.4	1.2	36.2	1.3	36.9	3.2
250 to 499 miles	10.0	1.0	S	S	S	S
500 to 749 miles	11.5	1.0	32.2	.4	30.4	3.2
750 to 999 miles	20.7	1.0	45.6	.5	S	S
1,000 to 1,499 miles	29.7	2.7	34.4	4.5	35.0	8.2
1,500 to 1,999 miles	31.3	.5	40.7	.3	41.3	1.8
2,000 miles or more	47.7	–	46.6	–	49.8	–

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**	**6.4**
Less than 50 lb	4.3	.5	8.0	–	15.5	–	6.1
50 to 99 lb	4.0	.1	4.0	–	8.3	–	7.1
100 to 499 lb	6.5	.6	5.1	–	5.3	–	7.2
500 to 749 lb	8.6	.3	5.7	–	4.1	–	6.5
750 to 999 lb	3.6	–	6.2	–	3.2	–	5.2
1,000 to 9,999 lb	3.8	.5	4.1	.3	3.7	.3	5.3
10,000 to 49,999 lb	3.4	.8	5.1	1.5	6.3	1.8	4.7
50,000 to 99,999 lb	10.0	.6	3.7	.8	4.9	.5	4.4
100,000 lb or more	4.4	.3	6.2	1.6	9.2	2.4	5.3
Single modes	**2.3**	**–**	**3.0**	**–**	**6.4**	**–**	**3.6**
Less than 50 lb	5.6	.2	6.3	–	5.1	–	9.8
50 to 99 lb	5.9	.1	5.7	–	7.0	–	7.3
100 to 499 lb	4.7	.3	5.8	–	3.4	–	7.1
500 to 749 lb	10.1	.3	5.7	–	3.8	–	6.7
750 to 999 lb	4.0	–	6.5	–	3.5	–	5.5
1,000 to 9,999 lb	3.7	.5	4.2	.3	3.7	.3	5.7
10,000 to 49,999 lb	3.4	.9	5.2	1.6	6.7	1.9	4.8
50,000 to 99,999 lb	10.3	.7	3.8	.8	4.6	.5	4.4
100,000 lb or more	4.5	.4	7.2	1.7	9.9	2.5	5.5
Truck	**1.7**	**–**	**3.7**	**–**	**5.5**	**–**	**3.0**
Less than 50 lb	6.9	.2	6.7	–	7.0	–	9.7
50 to 99 lb	6.1	.1	5.8	–	7.7	–	7.5
100 to 499 lb	4.1	.3	5.8	–	3.5	–	6.9
500 to 749 lb	9.9	.3	5.7	–	3.9	–	6.7
750 to 999 lb	4.0	–	6.6	–	3.8	–	5.6
1,000 to 9,999 lb	3.3	.6	4.1	.4	3.7	.5	5.8
10,000 to 49,999 lb	2.9	1.0	5.2	1.3	6.9	1.8	5.1
50,000 to 99,999 lb	4.1	.3	3.8	1.3	5.5	.9	5.2
100,000 lb or more	16.8	.2	18.6	1.1	39.9	1.7	32.3
For-hire truck	**2.4**	**–**	**5.3**	**–**	**5.8**	**–**	**5.5**
Less than 50 lb	11.9	.2	15.4	–	11.2	–	19.6
50 to 99 lb	12.1	.1	10.9	–	11.8	–	10.9
100 to 499 lb	6.9	.4	5.0	–	4.9	–	5.9
500 to 749 lb	15.5	.5	5.2	–	5.2	–	4.8
750 to 999 lb	5.1	–	4.4	–	5.8	–	5.5
1,000 to 9,999 lb	3.2	.7	3.5	.3	4.8	.5	5.1
10,000 to 49,999 lb	3.2	1.3	7.9	2.0	6.9	2.2	5.1
50,000 to 99,999 lb	6.7	.4	7.2	2.0	6.8	1.1	7.2
100,000 lb or more	15.0	.2	23.1	1.3	49.9	2.0	22.8
Private truck	**3.0**	**–**	**4.6**	**–**	**6.5**	**–**	**3.7**
Less than 50 lb	7.6	.4	5.7	–	6.1	–	7.0
50 to 99 lb	6.1	.2	6.6	–	5.4	–	6.4
100 to 499 lb	4.4	.5	7.3	.1	5.3	.1	5.3
500 to 749 lb	9.2	.3	6.8	–	3.8	–	6.1
750 to 999 lb	7.0	.2	8.5	–	8.8	–	5.5
1,000 to 9,999 lb	4.2	.9	5.5	.7	5.7	.8	5.2
10,000 to 49,999 lb	6.0	1.4	6.1	1.5	8.4	2.2	8.2
50,000 to 99,999 lb	7.3	.5	5.7	1.5	11.1	1.8	7.1
100,000 lb or more	24.6	.4	23.1	1.5	28.1	1.1	30.7
Rail	**17.0**	**–**	**9.0**	**–**	**11.6**	**–**	**5.2**
Less than 50 lb	S	S	S	S	S	S	24.5
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	20.7
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	S	S	S	S	S	S	22.7
1,000 to 9,999 lb	S	S	43.0	–	S	S	12.9
10,000 to 49,999 lb	S	S	21.8	.3	20.9	.5	6.1
50,000 to 99,999 lb	S	S	28.1	.5	32.3	.9	11.3
100,000 lb or more	6.1	7.5	9.3	.7	12.1	1.2	5.1
Water	**16.8**	**–**	**15.5**	**–**	**16.6**	**–**	**7.7**
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	16.9	.4	15.5	.2	16.6	.2	7.6
Shallow draft	**17.0**	**–**	**15.2**	**–**	**17.2**	**–**	**7.7**
Less than 50 lb	S	S	S	S	S	S	21.8
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	25.9
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	17.1	.4	15.2	.2	17.3	.2	7.6

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	**50.0**	**–**	**S**	**S**	**S**	**S**	**21.4**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	50.0	–	S	S	S	S	21.4
Deep draft	**S**	**S**	**S**	**S**	**S**	**S**	**21.8**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	21.8
Air (includes truck and air)	**7.6**	**–**	**18.5**	**–**	**22.6**	**–**	**1.8**
Less than 50 lb	9.1	4.5	8.6	3.6	9.9	4.0	1.7
50 to 99 lb	11.6	1.1	14.3	1.3	12.0	1.4	4.4
100 to 499 lb	17.4	3.6	16.6	3.4	18.0	3.5	2.9
500 to 749 lb	21.5	1.3	19.2	1.6	19.3	1.5	5.2
750 to 999 lb	24.6	.5	37.8	2.0	29.6	1.2	14.5
1,000 to 9,999 lb	20.3	1.6	25.4	4.0	22.8	4.0	8.2
10,000 to 49,999 lb	S	S	S	S	S	S	18.5
50,000 to 99,999 lb	S	S	S	S	S	S	20.7
100,000 lb or more	–	–	–	–	–	–	–
Pipeline	**34.9**	**–**	**37.6**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	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	37.9	5.7	S	S	S	S	S
100,000 lb or more	35.9	8.2	37.3	8.8	S	S	S
Multiple modes	**6.2**	**–**	**23.9**	**–**	**23.6**	**–**	**4.4**
Less than 50 lb	5.6	2.5	12.4	3.1	17.3	2.8	4.5
50 to 99 lb	6.6	.7	7.5	.8	11.8	.5	4.6
100 to 499 lb	20.9	2.1	10.7	1.5	16.0	1.3	5.4
500 to 749 lb	25.2	.4	24.1	.3	19.0	.1	14.1
750 to 999 lb	25.9	.2	18.3	.2	22.7	–	17.8
1,000 to 9,999 lb	36.2	1.0	39.1	2.3	40.1	1.9	S
10,000 to 49,999 lb	29.7	1.4	13.9	3.7	15.0	4.8	4.4
50,000 to 99,999 lb	S	S	47.5	2.6	S	S	25.6
100,000 lb or more	23.5	.3	28.5	10.8	28.3	10.1	9.8
Parcel, U.S. Postal Service or courier	**6.4**	**–**	**8.1**	**–**	**11.4**	**–**	**4.4**
Less than 50 lb	5.6	2.6	12.4	2.5	17.3	3.5	4.5
50 to 99 lb	6.6	.7	7.5	.9	11.8	1.4	4.6
100 to 499 lb	20.9	2.1	10.3	2.0	16.0	2.7	5.5
500 to 749 lb	25.2	.5	17.3	.5	19.4	.5	12.5
750 to 999 lb	26.5	.2	18.2	.4	23.3	.6	13.6
1,000 to 9,999 lb	43.6	.1	48.7	.2	49.7	–	42.2
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**23.8**	**–**	**19.8**	**–**	**18.3**	**–**	**3.9**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.7
100 to 499 lb	41.9	.1	38.3	–	36.4	–	18.9
500 to 749 lb	S	S	S	S	S	S	21.2
750 to 999 lb	S	S	S	S	S	S	21.3
1,000 to 9,999 lb	40.6	5.9	40.8	3.3	41.6	2.9	10.0
10,000 to 49,999 lb	29.8	5.8	14.5	8.2	14.3	7.1	3.2
50,000 to 99,999 lb	37.3	.5	49.2	1.0	46.0	.6	20.7
100,000 lb or more	33.2	2.5	32.3	8.0	32.8	6.8	15.8
Truck and water	**S**	**S**	**S**	**S**	**S**	**S**	**17.5**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	20.7
500 to 749 lb	S	S	S	S	S	S	21.5
750 to 999 lb	S	S	S	S	S	S	21.3
1,000 to 9,999 lb	S	S	S	S	S	S	20.1
10,000 to 49,999 lb	S	S	S	S	S	S	21.7
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	S	S	S	S	S	S	22.1

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	**30.3**	**–**	**30.7**	**–**	**31.2**	**–**	**13.9**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	30.3	–	30.7	–	31.2	–	13.9
Other multiple modes	**S**	**S**	**S**	**S**	**38.6**	**–**	**S**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	22.4
500 to 749 lb	S	S	S	S	S	S	21.9
750 to 999 lb	S	S	S	S	S	S	21.2
1,000 to 9,999 lb	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	43.7	7.9	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	–	–	–	–	–	–	–
Other and unknown modes	**8.1**	**–**	**17.0**	**–**	**28.3**	**–**	**25.8**
Less than 50 lb	10.3	1.4	11.5	–	42.5	.1	30.7
50 to 99 lb	16.2	.5	18.4	.1	S	S	48.1
100 to 499 lb	14.6	1.4	16.3	.5	17.0	.3	20.0
500 to 749 lb	19.4	.4	20.9	.2	27.1	.1	20.9
750 to 999 lb	32.3	.3	27.0	.1	22.7	–	24.4
1,000 to 9,999 lb	15.8	2.6	20.1	4.0	17.2	2.5	21.2
10,000 to 49,999 lb	12.6	2.3	21.3	5.0	42.7	5.3	12.5
50,000 to 99,999 lb	43.3	1.2	31.7	2.9	36.3	2.1	36.2
100,000 lb or more	20.4	1.5	23.0	9.4	34.2	6.4	27.2

– 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–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	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**	**6.4**
01	Live animals and live fish	38.0	.1	41.0	–	31.6	–	22.2
02	Cereal grains	9.0	.4	8.3	1.5	13.4	2.8	13.2
03	Other agricultural products	21.3	.6	13.3	.7	18.6	1.1	15.8
04	Animal feed and products of animal origin, n.e.c.	8.8	.3	7.0	.3	6.7	.3	21.5
05	Meat, fish, seafood, and their preparations	7.9	.5	7.4	.1	9.9	.5	17.7
06	Milled grain products and preparations, and bakery products	11.5	.3	7.1	.2	10.7	.6	8.7
07	Other prepared foodstuffs and fats and oils	6.7	.5	8.3	.4	9.3	.7	16.3
08	Alcoholic beverages	12.3	.1	15.1	.1	20.3	.2	7.2
09	Tobacco products	14.0	–	26.3	–	27.6	–	5.5
10	Monumental or building stone	40.9	–	40.1	–	35.9	–	S
11	Natural sands	18.7	–	20.1	.7	26.6	.2	27.3
12	Gravel and crushed stone	9.5	–	11.0	1.6	24.4	1.0	23.5
13	Nonmetallic minerals n.e.c.	49.3	.1	17.7	.3	17.6	.2	17.7
14	Metallic ores and concentrates	17.2	–	19.8	.8	26.3	2.2	16.5
15	Coal	24.6	–	26.5	.8	25.8	–	S
17	Gasoline and aviation turbine fuel	13.6	.2	16.0	.6	31.3	.5	17.7
18	Fuel oils	12.5	.1	14.1	.3	S	S	19.2
19	Coal and petroleum products, n.e.c.	17.7	.2	18.2	.6	27.7	.5	16.9
20	Basic chemicals	11.3	.1	23.5	.3	29.2	.9	22.8
21	Pharmaceutical products	10.6	.3	18.9	–	30.6	–	7.6
22	Fertilizers	17.1	.1	14.0	.2	9.2	–	24.7
23	Chemical products and preparations, n.e.c.	11.0	.4	11.4	–	14.0	.2	13.6
24	Plastics and rubber	5.6	.2	11.1	–	12.9	.2	10.5
25	Logs and other wood in the rough	29.4	–	S	S	S	S	S
26	Wood products	10.8	.2	11.1	.2	18.6	.2	14.0
27	Pulp, newsprint, paper, and paperboard	10.9	.1	15.0	.1	15.5	.1	17.5
28	Paper or paperboard articles	11.7	.2	9.8	–	17.4	.1	12.1
29	Printed products	5.7	.3	10.2	–	14.6	.1	7.6
30	Textiles, leather, and articles of textiles or leather	21.3	.5	26.9	–	38.9	.1	6.1
31	Nonmetallic mineral products	6.1	–	9.3	.6	24.2	.5	14.5
32	Base metal in primary or semifinished forms and in finished basic shapes	8.4	.2	12.8	.2	33.6	.5	15.7
33	Articles of base metal	7.4	.2	43.7	.5	S	S	11.4
34	Machinery	4.2	.3	4.5	–	6.1	–	7.9
35	Electronic and other electrical equipment and components and office equipment	10.0	.8	6.6	–	9.7	–	6.0
36	Motorized and other vehicles (including parts)	15.4	1.4	12.1	.1	17.3	.4	13.6
37	Transportation equipment, n.e.c.	28.5	.4	19.9	–	37.4	–	6.2
38	Precision instruments and apparatus	9.6	.2	13.3	–	15.4	–	7.8
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	.1	12.8	–	17.3	–	9.4
40	Miscellaneous manufactured products	6.7	.4	10.5	–	13.2	.1	6.2
41	Waste and scrap	12.9	–	25.0	.4	21.4	.2	22.4
43	Mixed freight	15.1	.4	31.3	.3	S	S	15.2
--	Commodity unknown	19.0	.1	46.8	.3	S	S	14.8

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

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

Table B–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	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**	**6.4**
010	Live animals and live fish	38.0	.1	41.0	–	31.6	–	22.2
021	Wheat	14.1	.2	14.8	.7	22.7	1.2	16.0
022	Corn, except sweet	7.7	.2	7.6	.9	15.4	2.3	20.6
029	Other cereal grains	24.9	.1	18.5	.4	29.1	1.0	13.7
031	Fresh or chilled potatoes (Irish potatoes), except sweet	36.3	–	S	S	S	S	27.9
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	S	S	S	S	44.3	–	17.9
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	17.6
034	Soya beans	11.0	.2	11.1	.4	18.7	.9	8.4
035	Oil seeds and nuts, except olives and soya beans	19.5	–	17.8	–	25.2	–	13.5
036	Bulbs, live plants, and seeds for sowing, n.e.c.	41.8	–	47.6	–	47.1	–	17.1
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	27.9	–	42.1	–	39.7	–	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.	14.3	.1	11.1	.2	12.9	.3	12.2
042	Animal feed preparations	10.6	.2	9.9	.3	12.2	.3	24.7
051	Meat including poultry, except preparations	8.8	.5	8.2	.1	10.8	.5	12.3
052	Fish, except live, and seafood, except preparations	47.3	–	44.6	–	44.5	–	S
053	Preparations, extracts, and juices of meat, fish, or seafood	36.2	–	31.3	–	29.0	–	19.1
061	Wheat flour, groats, and meal	15.3	–	15.9	.1	20.1	.4	12.2
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	12.0	–	14.1	.1	15.8	.3	13.1
063	Food preparations of cereals, flour, starch, or milk	17.3	.2	14.7	–	14.8	.1	9.2
064	Bakery products	23.8	.3	22.7	–	30.5	–	13.3
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	13.1	.2	19.6	.2	15.7	.1	30.1
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	14.3	.2	13.3	–	20.7	.1	30.8
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	25.9	–	28.2	–	35.4	–	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	11.7	–	11.8	.1	13.9	.3	6.5
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	14.4	–	16.4	.1	18.3	.4	9.6
076	Confectionery, cocoa, and cocoa preparations	24.2	–	22.3	–	29.7	–	17.0
077	Edible preparations, n.e.c. and vinegar	20.4	.2	15.8	–	18.9	.1	13.8
078	Nonalcoholic beverages, n.e.c. and ice	16.2	.1	19.0	.2	22.3	.1	29.5
081	Malt Beer	16.8	.1	20.6	.1	36.2	.1	13.4
082	Wine and other fermented beverages	26.6	–	25.2	–	28.6	–	20.1
083	Spirituous beverages and ethyl alcohol	21.8	–	25.2	–	31.5	.2	15.9
090	Tobacco products	14.0	–	26.3	–	27.6	–	5.5
100	Monumental or building stone, except dolomite	40.9	–	40.1	–	35.9	–	S
110	Natural sands, except metal-bearing	18.7	–	20.1	.7	26.6	.2	27.3
120	Gravel and crushed stone, except dolomite and slate	9.5	–	11.0	1.6	24.4	1.0	23.5
131	Salt	S	S	30.3	.1	29.5	.1	29.5
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	S	S	S	S	S	S	26.0
133	Dolomite	34.3	–	S	S	47.9	–	S
139	Other nonmetallic minerals	22.2	–	20.3	–	22.6	.1	16.2
141	Iron ores and concentrates	22.4	–	21.3	.9	26.5	2.2	14.4
149	Other metallic ores and concentrates	24.9	–	24.3	–	17.9	–	20.6
151	Nonagglomerated bituminous coal	32.6	–	28.0	–	27.0	–	18.8
159	Other coal	27.9	–	27.2	.8	28.6	–	S
171	Gasoline	13.1	.2	15.0	.5	30.6	.3	17.2
172	Aviation turbine fuel (types A and B)	S	S	S	S	S	S	36.2
180	Fuel oils	12.5	.1	14.1	.3	S	S	19.2
191	Lubricating oils and greases	18.4	–	20.1	–	15.0	–	30.0
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	34.5	–	S	S	S	S	35.2
193	Gaseous hydrocarbons	25.2	–	25.7	.1	28.8	–	28.0
199	Other products of petroleum refining, and coal products	31.4	.1	22.2	.6	33.3	.4	17.8
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	29.2	–	32.4	–	44.0	–	19.1
202	Inorganic chemicals, n.e.c.	16.5	–	26.0	.3	30.9	.9	30.5
203	Cyclic hydrocarbons	S	S	48.5	–	S	S	23.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.1	–	27.3	–	36.5	–	16.8
205	Organic chemicals, n.e.c.	20.1	–	23.0	–	26.3	–	15.9
210	Pharmaceutical products	10.6	.3	18.9	–	30.6	–	7.6
220	Fertilizers and fertilizer materials	17.1	.1	14.0	.2	9.2	–	24.7
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	10.6	–	17.5	–	25.4	–	17.5
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	41.3	.2	31.4	–	36.8	–	23.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	12.3	–	14.5	–	18.5	.1	11.6
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	20.3	–	44.5	–	S	S	19.4
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	17.8	.3	21.3	–	27.6	–	28.9
239	Other chemical products and preparations	18.0	–	15.6	–	21.6	–	10.3
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.3	–	26.3	–	32.8	–	13.6
242	Manmade fibers and plastics basic shapes and articles	6.2	.1	12.3	–	12.5	–	9.3

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	13.6	.1	35.8	–	38.9	.1	20.9
250	Logs and other wood in the rough	29.4	–	S	S	S	S	S
261	Wood chips or particles	40.4	–	30.7	–	S	S	37.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	19.2	.1	20.6	.1	17.3	–	17.1
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	20.0	–	22.5	–	17.2	–	18.8
264	Builders' joinery and carpentry of wood, except shingles and shakes	20.1	.1	14.6	–	21.0	–	16.2
269	Other wood products	17.5	–	20.7	–	19.3	–	17.7
271	Pulp of fibrous cellulosic materials	S	S	S	S	S	S	35.4
272	Newsprint in large rolls or sheets	S	S	S	S	S	S	27.7
273	Uncoated paper and paperboard in large rolls or sheets	17.2	–	23.2	–	25.4	.1	12.8
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	13.6	–	13.1	–	19.9	–	14.6
280	Paper or paperboard articles	11.7	.2	9.8	–	17.4	.1	12.1
291	Printed books, brochures, leaflets, and similar printed products	13.9	.2	20.7	–	20.2	–	6.5
292	Newspapers, journals, and periodicals	16.3	–	16.9	–	39.7	–	17.1
293	Advertising material, commercial or trade catalogues, and similar printed products	10.8	–	19.9	–	20.8	–	8.2
299	Other printed products	12.2	.2	16.3	–	28.8	–	10.6
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	21.8	–	S	S	S	S	11.7
302	Textile clothing and accessories, and headgear, except safety	28.3	.3	30.5	–	35.2	–	6.3
303	Textiles and textile articles, n.e.c.	15.4	–	18.1	–	20.3	–	9.2
304	Footwear	S	S	S	S	S	S	6.1
305	Leather and articles, luggage of related materials, and dressed furskins and articles	19.5	–	39.6	–	46.2	–	7.8
311	Hydraulic cements	15.2	–	16.2	.3	19.9	–	12.7
312	Ceramic products	25.9	–	25.8	–	22.3	–	12.8
313	Glass and glass products	15.6	–	20.0	–	22.7	–	13.2
319	Other nonmetallic mineral products	11.1	–	12.0	.5	34.3	.4	30.9
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	16.7	–	S	S	S	S	13.7
322	Flat-rolled products of iron or steel	14.8	–	20.3	–	15.2	–	17.8
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	20.4	.1	21.4	.1	20.6	.1	18.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	15.5	.2	29.8	.1	41.3	.2	13.3
331	Pipes, tubes, and fittings	19.0	.1	S	S	S	S	12.4
332	Structures and parts, except prefabricated buildings	11.9	–	14.5	–	13.3	–	12.6
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.3	.1	21.7	–	29.4	–	13.0
339	Other articles of metal	11.3	–	25.0	–	29.7	–	11.1
341	Internal-combustion piston engines	14.0	–	19.3	–	21.8	–	15.5
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	31.3	–	34.8	–	41.0	–	19.1
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	13.3	–	16.5	–	15.6	–	9.3
344	Air-conditioning, refrigerating, or freezing equipment	13.4	–	18.0	–	20.0	–	18.8
345	Materials-handling, excavating, boring, and related machinery and equipment	18.7	.2	17.4	–	16.7	–	12.0
349	Other machinery	8.1	.3	9.9	–	14.2	–	10.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	19.2	.1	23.5	–	40.1	–	13.8
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	25.0	–	24.8	–	34.6	–	9.7
353	Line telephone or telegraph apparatus	20.9	–	22.2	–	29.1	–	10.4
354	Electronic entertainment products, except parts	21.5	–	24.1	–	31.8	–	8.4
355	Computer and office equipment	24.9	.6	28.3	–	33.7	–	6.8
356	Prepared unrecorded or prerecorded media	34.6	.2	31.5	–	41.9	–	6.2
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	38.7	–	29.7	–	30.6	–	10.6
358	Electronic components and parts	16.9	.2	23.4	–	21.7	–	7.8
359	Other electronic and electrical equipment	5.2	.1	9.0	–	12.9	–	13.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	36.7	1.3	33.1	.1	33.1	.4	14.3
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	16.9	.1	19.3	–	19.5	–	15.4
363	Other vehicles	13.5	.4	10.5	–	14.2	–	11.2
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	11.2	.3	10.1	–	12.5	–	16.9
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	32.1	–	26.8	–	26.4	–	8.4
372	Aircraft and spacecraft	37.7	.5	S	S	S	S	10.9
373	Ships, boats, and floating structures	27.2	–	28.6	–	29.8	–	10.3
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	25.9	–	S	S	36.6	–	9.1
382	Photographic and photocopying machines	22.6	–	40.5	–	S	S	20.8
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	28.6	–	S	S	S	S	12.2
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	16.1	.2	17.0	–	21.9	–	8.0

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	20.2	.1	35.1	–	28.6	–	17.9
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	8.5	.1	12.8	–	17.3	–	9.4
401	Arms and ammunition	S	S	22.8	–	23.5	–	6.6
402	Toys, games, and sporting equipment	14.3	–	16.1	–	16.0	–	5.0
409	Miscellaneous manufactured products	7.0	.4	11.4	–	14.7	.1	8.0
411	Metallic waste and scrap	15.4	–	32.7	.4	29.0	.2	29.2
412	Nonmetallic waste and scrap, except from food processing	26.9	–	44.9	.2	28.5	.1	15.9
439	Mixed freight	15.1	.4	31.3	.3	S	S	15.2
—	Commodity unknown	19.0	.1	46.8	.3	S	S	14.8

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

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

Table B–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	**1.9**	**–**	**3.0**	**–**	**6.2**	**–**	**6.4**
Single modes	**2.3**	**.9**	**3.0**	**1.2**	**6.4**	**1.9**	**3.6**
Truck	1.7	1.0	3.7	1.5	5.5	2.1	3.0
For-hire truck	2.4	1.0	5.3	1.4	5.8	1.7	5.5
Private truck	3.0	.8	4.6	1.2	6.5	.5	3.7
Rail	17.0	1.2	9.0	1.6	11.6	2.9	5.2
Water	16.8	.1	15.5	.7	16.6	1.8	7.7
Shallow draft	17.0	.1	15.2	.6	17.2	1.8	7.7
Great Lakes	50.0	–	S	S	S	S	21.4
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	7.6	.2	18.5	–	22.6	–	1.8
Pipeline	34.9	.2	37.6	.5	S	S	S
Multiple modes	**6.2**	**.8**	**23.9**	**.7**	**23.6**	**1.8**	**4.4**
Parcel, U.S. Postal Service or courier	6.4	.8	8.1	–	11.4	–	4.4
Truck and rail	23.8	.3	19.8	–	18.3	.3	3.9
Truck and water	S	S	S	S	S	S	17.5
Rail and water	30.3	–	30.7	.6	31.2	1.7	13.9
Other multiple modes	S	S	S	S	38.6	–	S
Other and unknown modes	**8.1**	**.3**	**17.0**	**.8**	**28.3**	**.6**	**25.8**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**38.0**	**–**	**41.0**	**–**	**31.6**	**–**	**22.2**
Single modes	**38.7**	**1.2**	**41.7**	**1.1**	**31.8**	**1.7**	**22.3**
Truck	38.8	1.4	41.7	1.1	31.8	1.7	23.7
For-hire truck	39.4	9.4	37.7	8.8	28.4	7.6	20.5
Private truck	46.6	8.9	S	S	S	S	26.4
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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 02, CEREAL GRAINS							
Total	**9.0**	**–**	**8.3**	**–**	**13.4**	**–**	**13.2**
Single modes	**9.3**	**.7**	**8.5**	**.6**	**13.7**	**1.3**	**13.5**
Truck	10.4	3.0	9.3	2.9	15.9	1.2	19.1
For-hire truck	13.3	3.1	14.2	3.3	17.5	1.1	17.5
Private truck	18.9	2.6	19.6	2.9	27.4	.5	16.1
Rail	13.0	2.9	12.3	2.8	18.1	4.8	11.4
Water	21.4	1.7	21.3	1.9	21.4	4.7	9.3
Shallow draft	21.1	1.7	21.1	1.9	21.4	4.7	9.3
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**19.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	48.6	–	19.8
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	S	S	S	S	S	S	22.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.5**	**.7**	**35.3**	**.6**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	**21.3**	**–**	**13.3**	**–**	**18.6**	**–**	**15.8**
Single modes	**21.4**	**1.0**	**12.9**	**1.1**	**19.0**	**2.2**	**13.9**
Truck	25.4	2.9	14.8	3.7	26.7	5.2	14.7
For-hire truck	13.2	3.7	14.2	3.2	28.4	4.0	28.4
Private truck	36.7	4.6	20.6	3.9	25.3	2.0	10.2
Rail	18.4	2.4	18.8	3.3	23.8	6.5	20.1
Water	20.6	1.5	21.7	1.8	26.6	5.2	9.7
Shallow draft	20.6	1.5	21.7	1.8	26.6	5.2	9.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**32.5**	**.5**	**S**	**S**	**S**	**S**	**10.9**
Parcel, U.S. Postal Service or courier	42.7	.4	29.5	–	37.2	–	10.9
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**39.7**	**.9**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**8.8**	**–**	**7.0**	**–**	**6.7**	**–**	**21.5**
Single modes	**8.8**	**.9**	**6.9**	**.5**	**7.0**	**2.2**	**24.6**
Truck	9.9	1.9	8.1	1.6	10.2	3.1	25.4
For-hire truck	12.4	2.8	9.4	2.3	13.0	2.9	11.4
Private truck	12.2	3.2	11.2	3.2	13.9	1.8	13.0
Rail	13.3	1.5	10.9	1.5	11.7	4.0	6.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	19.3
Pipeline	S	S	S	S	S	S	S
Multiple modes	**22.1**	**.7**	**22.6**	**.4**	**22.1**	**2.2**	**12.6**
Parcel, U.S. Postal Service or courier	42.6	–	29.0	–	31.4	–	14.7
Truck and rail	22.9	.7	23.0	.4	23.8	1.8	7.8
Truck and water	–	–	–	–	–	–	–
Rail and water	44.3	–	45.8	.2	48.1	1.0	19.9
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**25.2**	**.4**	**29.0**	**.4**	**44.1**	**.8**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**7.9**	**–**	**7.4**	**–**	**9.9**	**–**	**17.7**
Single modes	**8.0**	**.2**	**7.5**	**.2**	**10.1**	**.5**	**18.7**
Truck	8.1	.8	7.6	.8	10.3	1.6	18.9
For-hire truck	9.8	2.4	9.3	2.5	11.1	2.2	3.7
Private truck	11.8	2.3	10.7	2.3	17.3	1.5	20.1
Rail	31.5	.6	30.9	.7	33.0	1.6	12.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**42.1**	**.1**	**38.8**	**–**	**S**	**S**	**16.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	17.0
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.9**	**.2**	**30.1**	**.2**	**42.8**	**.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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**11.5**	**–**	**7.1**	**–**	**10.7**	**–**	**8.7**
Single modes	**10.7**	**1.3**	**6.9**	**.8**	**10.7**	**1.1**	**10.6**
Truck	12.5	2.0	7.2	3.0	11.7	4.1	11.1
For-hire truck	19.2	3.4	10.2	3.0	13.7	4.0	7.5
Private truck	11.4	3.2	11.3	2.7	9.7	1.1	8.2
Rail	11.2	1.9	11.4	2.9	13.7	4.3	5.1
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	46.6	–	47.6	–	20.4
Pipeline	48.4	–	47.8	.1	S	S	S
Multiple modes	**S**	**S**	**43.6**	**.5**	**38.6**	**.6**	**17.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.1
Truck and rail	31.6	.3	45.3	.5	39.6	.6	19.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**44.4**	**.6**	**42.1**	**.6**	**45.4**	**.8**	**S**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**6.7**	**–**	**8.3**	**–**	**9.3**	**–**	**16.3**
Single modes	**6.5**	**.8**	**8.3**	**.9**	**9.2**	**1.5**	**11.9**
Truck	7.3	1.6	8.9	2.6	6.0	4.6	12.2
For-hire truck	8.1	2.6	13.1	2.8	7.3	4.0	9.0
Private truck	10.1	2.4	10.9	2.9	10.5	1.5	9.8
Rail	10.9	1.3	12.7	2.3	15.5	4.4	5.4
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	19.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.2**	**.3**	**S**	**S**	**S**	**S**	**14.9**
Parcel, U.S. Postal Service or courier	S	S	37.5	–	45.6	–	14.8
Truck and rail	41.9	.2	S	S	S	S	17.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**12.3**	**–**	**15.1**	**–**	**20.3**	**–**	**7.2**
Single modes	**12.2**	**.8**	**14.5**	**1.5**	**19.7**	**1.2**	**7.3**
Truck	13.8	3.9	16.6	4.4	28.4	9.3	6.8
For-hire truck	21.2	3.1	24.2	3.8	27.6	6.2	22.8
Private truck	13.5	5.1	16.4	6.8	38.6	8.2	6.0
Rail	34.2	3.8	23.7	4.1	28.9	9.1	16.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**46.4**	**.1**	**S**	**S**	**S**	**S**	**25.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	23.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

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	**14.0**	**–**	**26.3**	**–**	**27.6**	**–**	**5.5**
Single modes	**14.1**	**–**	**26.3**	**–**	**27.7**	**.4**	**5.5**
Truck	14.1	–	26.3	–	27.7	.4	5.5
For-hire truck	S	S	S	S	S	S	S
Private truck	10.8	5.6	29.7	5.2	30.8	6.2	5.9
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**39.5**	**–**	**36.6**	**–**	**S**	**S**	**23.9**
Parcel, U.S. Postal Service or courier	43.6	–	40.9	–	S	S	21.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**38.7**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**40.9**	**–**	**40.1**	**–**	**35.9**	**–**	**S**
Single modes	**40.2**	**5.0**	**40.4**	**5.1**	**36.0**	**5.1**	**S**
Truck	40.8	7.1	41.3	6.9	41.4	7.1	S
For-hire truck	42.2	7.5	39.6	7.2	39.8	8.5	19.0
Private truck	S	S	46.8	10.4	S	S	25.2
Rail	S	S	S	S	S	S	21.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 11, NATURAL SANDS							
Total	**18.7**	**–**	**20.1**	**–**	**26.6**	**–**	**27.3**
Single modes	**18.8**	**1.9**	**20.3**	**.9**	**27.5**	**2.4**	**28.2**
Truck	15.2	4.7	21.0	3.0	27.4	8.0	23.7
For-hire truck	29.3	4.9	42.4	4.9	45.4	6.6	25.8
Private truck	14.8	6.0	16.9	5.5	24.0	9.7	29.9
Rail	S	S	S	S	S	S	21.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**26.4**
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**	**23.5**

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 12, GRAVEL AND CRUSHED STONE							
Total	**9.5**	**–**	**11.0**	**–**	**24.4**	**–**	**23.5**
Single modes	**10.3**	**2.4**	**11.1**	**.8**	**26.1**	**5.0**	**24.1**
Truck	11.4	3.4	12.4	3.7	29.0	8.6	25.2
For-hire truck	22.3	3.9	22.6	3.9	27.8	5.4	26.5
Private truck	13.8	4.4	14.2	4.6	42.1	5.9	24.9
Rail	37.5	2.3	38.3	2.3	49.9	4.4	19.1
Water	38.3	1.7	38.1	2.3	37.0	8.7	18.6
Shallow draft	38.3	1.7	38.1	2.3	37.0	8.7	18.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**49.2**	**.5**	**S**	**S**	**20.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	49.2	.5	S	S	20.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**40.7**	**.6**	**S**	**S**	**S**	**S**	**S**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**49.3**	**–**	**17.7**	**–**	**17.6**	**–**	**17.7**
Single modes	**S**	**S**	**18.8**	**2.9**	**17.3**	**1.7**	**35.7**
Truck	S	S	22.2	5.4	17.4	7.3	29.0
For-hire truck	23.7	7.3	27.0	4.8	13.0	6.1	33.0
Private truck	S	S	23.2	5.3	36.9	3.3	23.4
Rail	29.0	2.9	23.3	4.0	22.6	6.8	11.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	30.7	.6	30.8	.2	S	S	S
Multiple modes	**43.5**	**.6**	**46.6**	**.8**	**42.9**	**1.7**	**17.6**
Parcel, U.S. Postal Service or courier	S	S	45.8	–	S	S	19.1
Truck and rail	41.5	.2	46.7	.8	42.9	1.7	22.3
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**17.2**	**–**	**19.8**	**–**	**26.3**	**–**	**16.5**
Single modes	**28.5**	**8.9**	**34.1**	**10.6**	**40.6**	**11.4**	**16.7**
Truck	22.8	5.5	25.9	8.0	S	S	17.8
For-hire truck	23.5	5.1	26.2	8.0	S	S	17.6
Private truck	S	S	S	S	S	S	38.0
Rail	42.2	7.9	44.7	9.6	49.2	9.1	28.8
Water	S	S	S	S	S	S	21.2
Shallow draft	–	–	–	–	–	–	–
Great Lakes	S	S	S	S	S	S	21.2
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	S	S	21.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**26.9**	**8.9**	**31.2**	**10.7**	**31.9**	**11.4**	**17.1**
Parcel, U.S. Postal Service or courier	44.9	2.0	S	S	S	S	21.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	31.9	9.5	31.2	10.7	31.9	11.4	17.0
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.7**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 15, COAL							
Total	**24.6**	**–**	**26.5**	**–**	**25.8**	**–**	**S**
Single modes	**23.9**	**10.8**	**25.3**	**12.3**	**19.2**	**11.0**	**37.3**
Truck	24.1	10.1	25.4	11.5	19.7	10.1	37.1
For-hire truck	25.5	10.2	25.7	11.5	20.6	10.2	S
Private truck	S	S	S	S	S	S	21.7
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**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	**27.3**	**10.8**	**27.2**	**12.3**	**28.4**	**11.0**	**17.2**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**13.6**	**–**	**16.0**	**–**	**31.3**	**–**	**17.7**
Single modes	**13.9**	**1.2**	**16.2**	**1.0**	**31.4**	**1.3**	**15.9**
Truck	15.7	5.6	17.5	6.2	29.0	12.3	12.0
For-hire truck	18.1	3.7	20.2	4.1	32.9	6.6	23.3
Private truck	18.7	5.3	22.6	5.7	29.6	8.5	12.5
Rail	S	S	S	S	S	S	20.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	38.2	5.2	40.0	6.0	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.4**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	23.4
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 18, FUEL OILS							
Total	**12.5**	**–**	**14.1**	**–**	**S**	**S**	**19.2**
Single modes	**13.0**	**1.4**	**14.7**	**1.6**	**S**	**S**	**18.0**
Truck	14.3	4.5	14.8	5.4	17.3	12.8	11.1
For-hire truck	15.3	4.0	16.2	4.3	32.0	8.1	22.7
Private truck	15.1	4.0	16.0	5.1	19.6	8.9	11.2
Rail	S	S	S	S	S	S	19.7
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	33.6	3.5	46.1	3.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	30.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	26.3
Other and unknown modes	**S**	**S**	**S**	**S**	**48.8**	**1.0**	**19.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**17.7**	**–**	**18.2**	**–**	**27.7**	**–**	**16.9**
Single modes	**18.1**	**.6**	**18.4**	**1.0**	**27.9**	**1.6**	**13.0**
Truck	15.2	5.7	15.0	8.4	22.9	12.2	13.7
For-hire truck	23.0	6.0	25.2	6.9	32.5	8.0	32.5
Private truck	16.8	6.0	22.9	7.6	20.9	8.5	9.5
Rail	S	S	37.7	8.3	39.2	11.8	25.5
Water	S	S	S	S	S	S	26.1
Shallow draft	S	S	S	S	S	S	26.1
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	**32.7**	**.4**	**S**	**S**	**32.6**	**.3**	**35.7**
Parcel, U.S. Postal Service or courier	26.4	.3	23.0	–	28.1	–	23.9
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	**42.6**	**.5**	**49.1**	**.9**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**11.3**	**–**	**23.5**	**–**	**29.2**	**–**	**22.8**
Single modes	**12.4**	**3.1**	**23.7**	**2.9**	**29.5**	**5.0**	**24.8**
Truck	11.6	4.4	16.6	8.6	34.0	10.8	34.9
For-hire truck	16.2	4.7	22.3	5.6	36.2	8.0	12.5
Private truck	14.9	3.3	20.9	6.6	20.1	5.2	18.0
Rail	37.7	3.3	38.2	9.1	39.1	11.7	14.1
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)	48.4	2.2	S	S	S	S	16.5
Pipeline	49.8	.5	49.8	.2	S	S	S
Multiple modes	**32.8**	**3.2**	**S**	**S**	**S**	**S**	**17.3**
Parcel, U.S. Postal Service or courier	44.7	2.1	21.3	–	31.5	–	16.0
Truck and rail	S	S	S	S	S	S	15.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**34.2**	**.6**	**28.6**	**.4**	**S**	**S**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**10.6**	**–**	**18.9**	**–**	**30.6**	**–**	**7.6**
Single modes	**9.8**	**3.8**	**21.8**	**3.4**	**33.5**	**3.7**	**13.5**
Truck	9.8	4.0	22.1	3.5	34.3	3.9	17.2
For-hire truck	12.5	4.2	28.0	5.0	37.2	4.8	13.2
Private truck	12.9	2.1	20.2	4.1	29.0	2.2	41.1
Rail	S	S	S	S	S	S	25.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	24.5	.7	30.1	.3	26.6	.6	8.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**17.0**	**3.7**	**17.6**	**3.3**	**16.6**	**3.7**	**6.3**
Parcel, U.S. Postal Service or courier	17.0	3.6	18.0	3.1	17.2	3.6	6.3
Truck and rail	46.8	.1	47.0	.4	47.2	.6	20.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**37.3**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	**17.1**	**–**	**14.0**	**–**	**9.2**	**–**	**24.7**
Single modes	**18.2**	**2.0**	**14.8**	**2.1**	**9.9**	**2.2**	**24.8**
Truck	19.4	2.6	16.8	2.9	11.3	4.6	23.9
For-hire truck	14.1	3.3	13.0	3.3	14.5	3.4	36.4
Private truck	26.0	4.5	23.5	4.5	17.4	3.3	21.8
Rail	13.9	1.5	14.7	2.0	15.1	4.5	10.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.1**
Parcel, U.S. Postal Service or courier	S	S	41.5	–	46.7	–	18.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.8**	**1.9**	**32.9**	**1.4**	**35.7**	**.8**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**11.0**	**–**	**11.4**	**–**	**14.0**	**–**	**13.6**
Single modes	**11.9**	**1.5**	**11.5**	**1.4**	**15.5**	**2.9**	**13.0**
Truck	11.9	2.0	11.8	1.8	14.7	2.8	13.4
For-hire truck	13.4	2.0	12.8	2.6	15.0	3.1	9.1
Private truck	14.5	2.5	14.7	2.0	20.7	1.9	12.5
Rail	S	S	34.7	1.8	29.7	2.8	17.1
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	31.5	–	37.0	–	38.7	–	18.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.4**	**1.0**	**18.0**	**1.0**	**22.9**	**2.6**	**10.5**
Parcel, U.S. Postal Service or courier	22.6	1.0	21.3	.2	19.1	.2	10.7
Truck and rail	22.3	.4	25.0	1.0	25.1	2.6	14.4
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**45.6**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**5.6**	**–**	**11.1**	**–**	**12.9**	**–**	**10.5**
Single modes	**6.4**	**1.2**	**11.5**	**.8**	**13.0**	**1.0**	**8.9**
Truck	7.0	1.9	13.1	3.2	14.9	4.2	8.9
For-hire truck	8.0	2.3	14.8	3.6	15.8	4.2	6.5
Private truck	9.3	1.4	13.3	2.2	14.5	.8	9.4
Rail	25.8	1.1	34.2	3.2	32.3	4.2	21.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	16.7	–	23.2	–	15.5	–	4.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**10.5**	**1.1**	**20.7**	**.3**	**28.7**	**.8**	**7.4**
Parcel, U.S. Postal Service or courier	10.7	1.1	14.5	.3	19.2	.6	7.4
Truck and rail	38.4	.2	S	S	S	S	18.3
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.6**	**.8**	**19.5**	**.8**	**26.3**	**.8**	**18.0**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**29.4**	**–**	**S**	**S**	**S**	**S**	**S**
Single modes	**29.7**	**5.6**	**S**	**S**	**S**	**S**	**44.0**
Truck	30.6	5.6	S	S	S	S	35.4
For-hire truck	25.1	9.5	S	S	S	S	29.0
Private truck	45.8	9.4	S	S	S	S	22.2
Rail	S	S	S	S	S	S	21.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**40.3**	**.4**	**28.8**
SCTG 26, WOOD PRODUCTS							
Total	**10.8**	**–**	**11.1**	**–**	**18.6**	**–**	**14.0**
Single modes	**10.9**	**.6**	**10.7**	**2.2**	**8.7**	**4.7**	**8.3**
Truck	11.2	.8	11.1	2.4	10.8	6.2	8.6
For-hire truck	18.5	4.5	18.6	3.7	13.2	5.3	12.1
Private truck	10.6	4.2	13.3	3.5	9.2	2.1	7.1
Rail	19.4	.5	19.9	1.3	20.0	5.1	8.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	41.9	–	47.4	–	S	S	20.0
Pipeline	–	–	–	–	S	S	S
Multiple modes	**28.5**	**.6**	**43.5**	**.1**	**S**	**S**	**12.7**
Parcel, U.S. Postal Service or courier	30.9	.5	S	S	S	S	12.7
Truck and rail	43.2	.2	36.3	–	35.9	.2	18.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.3**	**.3**	**S**	**S**	**S**	**S**	**33.3**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**10.9**	**–**	**15.0**	**–**	**15.5**	**–**	**17.5**
Single modes	**10.8**	**1.5**	**15.9**	**2.5**	**15.5**	**3.5**	**21.3**
Truck	12.6	4.1	19.0	5.2	14.7	7.3	19.6
For-hire truck	11.9	2.8	17.1	4.0	15.4	5.7	23.2
Private truck	17.8	4.2	26.9	4.2	20.7	1.2	8.3
Rail	29.1	3.9	24.3	4.6	26.1	7.0	14.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	46.1	.2	S	S	S	S	17.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.8**	**1.4**	**44.8**	**1.2**	**S**	**S**	**11.6**
Parcel, U.S. Postal Service or courier	29.0	.8	39.9	.3	25.7	.4	11.9
Truck and rail	S	S	S	S	S	S	19.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**43.4**	**.4**	**45.9**	**2.2**	**40.9**	**2.3**	**15.6**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**11.7**	**–**	**9.8**	**–**	**17.4**	**–**	**12.1**
Single modes	**12.9**	**2.2**	**10.1**	**.7**	**18.5**	**2.4**	**17.4**
Truck	12.9	2.3	9.9	.9	18.5	2.6	19.1
For-hire truck	15.9	4.3	12.8	4.2	21.3	4.3	13.8
Private truck	12.3	3.3	11.5	4.1	20.3	2.9	5.7
Rail	S	S	S	S	S	S	21.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	40.7	.1	46.6	–	34.2	–	12.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.4**	**2.1**	**19.4**	**.3**	**25.1**	**1.1**	**8.0**
Parcel, U.S. Postal Service or courier	28.7	2.1	21.1	.2	26.6	.7	8.0
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**25.6**	**.6**	**29.1**	**.6**	**42.2**	**1.9**	**33.7**
SCTG 29, PRINTED PRODUCTS							
Total	**5.7**	**–**	**10.2**	**–**	**14.6**	**–**	**7.6**
Single modes	**5.6**	**2.8**	**11.2**	**1.7**	**15.6**	**2.5**	**26.8**
Truck	5.3	3.0	11.2	1.8	15.8	2.6	27.5
For-hire truck	6.0	2.8	14.0	3.0	16.4	2.6	S
Private truck	15.5	2.3	14.0	2.5	18.9	.7	S
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	44.0	.6	31.4	.2	31.8	.6	4.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**13.8**	**3.0**	**20.9**	**1.8**	**31.6**	**2.3**	**5.8**
Parcel, U.S. Postal Service or courier	14.0	3.0	22.4	1.8	36.0	2.5	5.8
Truck and rail	48.0	.2	47.4	.2	47.4	.6	19.9
Truck and water	S	S	S	S	S	S	22.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**19.9**	**.9**	**23.6**	**.8**	**30.9**	**1.0**	**49.5**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**21.3**	**–**	**26.9**	**–**	**38.9**	**–**	**6.1**
Single modes	**31.8**	**5.0**	**31.8**	**5.3**	**49.5**	**6.4**	**12.9**
Truck	32.0	5.0	31.8	5.3	49.6	6.5	12.2
For-hire truck	40.2	4.3	43.1	4.9	S	S	9.7
Private truck	30.8	2.9	23.2	4.6	S	S	17.0
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	34.8	.4	46.9	–	44.1	.2	11.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	**18.9**	**4.9**	**18.2**	**5.4**	**20.5**	**7.0**	**5.5**
Parcel, U.S. Postal Service or courier	18.9	4.9	18.5	5.4	21.2	7.1	5.5
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42.3**	**.7**	**49.7**	**1.3**	**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 31, NONMETALLIC MINERAL PRODUCTS							
Total	**6.1**	**–**	**9.3**	**–**	**24.2**	**–**	**14.5**
Single modes	**6.2**	**1.5**	**9.5**	**2.0**	**7.5**	**6.1**	**10.4**
Truck	6.3	1.8	10.2	2.7	7.6	6.9	9.7
For-hire truck	7.9	2.3	12.1	3.0	8.1	5.3	12.6
Private truck	7.6	2.4	13.5	3.5	17.0	3.4	19.6
Rail	23.4	.4	27.5	.8	25.6	2.2	28.4
Water	S	S	S	S	S	S	20.7
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	31.0	–	34.0	–	17.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.8**	**1.2**	**49.8**	**.3**	**S**	**S**	**9.0**
Parcel, U.S. Postal Service or courier	27.8	1.1	46.0	–	48.0	.7	9.1
Truck and rail	S	S	S	S	S	S	17.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**33.3**	**.5**	**S**	**S**	**S**	**S**	**24.1**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**8.4**	**–**	**12.8**	**–**	**33.6**	**–**	**15.7**
Single modes	**8.6**	**.9**	**13.0**	**.5**	**34.1**	**.8**	**9.2**
Truck	8.5	1.4	10.9	4.4	10.2	8.3	8.9
For-hire truck	10.6	2.6	9.8	3.6	11.9	6.1	10.0
Private truck	13.2	3.5	17.9	3.8	16.0	3.6	13.3
Rail	28.5	1.0	S	S	S	S	14.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	36.5	.1	S	S	S	S	9.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.1**	**.8**	**35.1**	**.2**	**47.6**	**.4**	**9.6**
Parcel, U.S. Postal Service or courier	31.1	.8	27.3	–	23.1	–	9.7
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**25.2**	**.5**	**23.7**	**.5**	**29.1**	**.6**	**S**
SCTG 33, ARTICLES OF BASE METAL							
Total	**7.4**	**–**	**43.7**	**–**	**S**	**S**	**11.4**
Single modes	**8.3**	**2.3**	**46.1**	**2.3**	**S**	**S**	**8.5**
Truck	8.5	2.3	46.5	2.6	S	S	9.0
For-hire truck	9.5	3.0	S	S	S	S	5.5
Private truck	15.2	2.7	18.3	4.2	20.8	2.7	12.0
Rail	29.6	.2	33.4	.5	33.5	1.9	16.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	29.1	.2	S	S	S	S	5.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**13.9**	**2.2**	**13.8**	**.7**	**19.0**	**1.3**	**9.9**
Parcel, U.S. Postal Service or courier	14.3	2.2	18.1	.7	25.8	1.1	9.9
Truck and rail	25.9	.1	38.0	.2	37.7	.8	15.7
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	**19.1**	**.7**	**31.5**	**2.1**	**S**	**S**	**30.8**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	**4.2**	**–**	**4.5**	**–**	**6.1**	**–**	**7.9**
Single modes	**4.4**	**1.6**	**4.5**	**.9**	**6.2**	**1.6**	**11.2**
Truck	4.3	1.7	4.4	1.1	5.6	2.2	11.7
For-hire truck	4.4	1.6	5.1	2.4	4.9	3.5	3.4
Private truck	6.5	1.2	7.6	2.0	20.5	1.8	13.4
Rail	29.8	.4	31.3	.5	34.9	1.1	14.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	18.6	.4	24.3	–	23.2	.2	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	**11.9**	**1.6**	**14.9**	**.6**	**24.2**	**1.3**	**7.1**
Parcel, U.S. Postal Service or courier	12.4	1.6	13.9	.5	16.6	.5	7.1
Truck and rail	45.5	.3	34.9	.4	38.7	1.1	13.3
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**17.0**	**.6**	**18.9**	**.5**	**30.1**	**.3**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**10.0**	**–**	**6.6**	**–**	**9.7**	**–**	**6.0**
Single modes	**9.0**	**2.7**	**6.6**	**1.7**	**10.9**	**3.1**	**15.2**
Truck	10.0	2.6	6.8	1.8	11.6	3.2	18.5
For-hire truck	6.2	2.1	9.3	3.6	12.5	3.9	9.1
Private truck	13.0	1.4	15.6	2.7	21.4	1.4	19.9
Rail	28.1	–	27.3	.3	27.9	.6	24.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	11.9	1.0	24.0	.3	22.5	.6	3.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**17.0**	**2.7**	**17.8**	**1.8**	**22.2**	**3.1**	**3.6**
Parcel, U.S. Postal Service or courier	17.1	2.7	18.3	1.8	22.9	3.1	3.6
Truck and rail	43.1	–	39.1	.2	41.6	.3	19.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**27.1**	**.9**	**15.8**	**.6**	**25.0**	**.3**	**37.9**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**15.4**	**–**	**12.1**	**–**	**17.3**	**–**	**13.6**
Single modes	**18.0**	**3.5**	**13.1**	**2.8**	**19.4**	**4.6**	**15.9**
Truck	9.7	5.9	7.9	5.2	13.2	8.1	14.1
For-hire truck	11.7	4.5	10.2	3.9	14.2	6.9	9.2
Private truck	10.1	2.6	10.6	3.0	14.4	2.0	13.6
Rail	49.9	6.0	49.3	4.9	47.3	7.3	16.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	27.3	–	44.4	–	45.0	–	7.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.5**	**2.7**	**25.2**	**1.9**	**28.8**	**3.7**	**6.6**
Parcel, U.S. Postal Service or courier	23.3	1.5	24.7	.9	29.4	1.9	6.6
Truck and rail	34.3	2.4	30.4	1.8	32.3	3.5	15.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.9**	**2.0**	**17.1**	**1.6**	**25.7**	**1.5**	**32.7**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**28.5**	**–**	**19.9**	**–**	**37.4**	**–**	**6.2**
Single modes	**29.9**	**2.7**	**20.5**	**1.2**	**38.3**	**1.0**	**7.8**
Truck	25.8	6.2	14.1	5.7	16.9	8.0	7.9
For-hire truck	36.5	5.4	20.3	6.0	24.5	7.1	6.5
Private truck	28.1	5.3	31.4	7.0	31.0	7.5	19.6
Rail	S	S	S	S	S	S	19.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	33.1	5.9	35.9	2.2	37.1	3.2	8.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.4**	**2.6**	**22.7**	**.6**	**32.2**	**.5**	**6.0**
Parcel, U.S. Postal Service or courier	27.3	2.5	18.3	.5	18.1	.5	6.0
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.9**	**1.0**	**43.8**	**1.1**	**S**	**S**	**18.6**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**9.6**	**–**	**13.3**	**–**	**15.4**	**–**	**7.8**
Single modes	**9.0**	**3.2**	**14.8**	**4.4**	**14.9**	**4.1**	**13.2**
Truck	11.3	3.0	14.9	4.7	15.2	4.7	42.6
For-hire truck	10.9	2.2	13.7	4.8	15.8	5.1	11.3
Private truck	22.0	2.3	38.9	2.8	32.3	1.6	S
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	12.2	1.7	23.3	.8	25.2	1.2	5.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.2**	**3.4**	**26.3**	**4.5**	**33.4**	**4.2**	**8.4**
Parcel, U.S. Postal Service or courier	15.1	3.4	27.1	4.5	35.7	4.3	8.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**26.6**	**1.0**	**24.9**	**.5**	**34.0**	**.4**	**17.7**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**8.5**	**–**	**12.8**	**–**	**17.3**	**–**	**9.4**
Single modes	**8.9**	**2.2**	**13.1**	**1.7**	**16.6**	**2.8**	**10.2**
Truck	8.8	2.2	13.1	1.7	16.8	2.8	9.3
For-hire truck	10.7	2.4	15.4	3.7	18.7	2.6	6.1
Private truck	9.9	2.9	23.8	4.1	19.6	1.9	20.3
Rail	S	S	S	S	S	S	20.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	10.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.4**	**2.1**	**25.9**	**1.6**	**33.2**	**2.8**	**7.2**
Parcel, U.S. Postal Service or courier	21.9	2.1	26.4	1.6	29.9	2.8	7.3
Truck and rail	S	S	S	S	S	S	24.2
Truck and water	S	S	S	S	S	S	20.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**47.9**	**1.2**	**42.2**	**1.0**	**42.0**	**1.0**	**40.1**

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 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**6.7**	**–**	**10.5**	**–**	**13.2**	**–**	**6.2**
Single modes	**8.4**	**2.8**	**11.3**	**1.4**	**15.3**	**2.5**	**10.4**
Truck	8.7	2.6	11.3	1.5	15.7	2.6	12.1
For-hire truck	12.1	3.0	15.4	3.5	18.6	3.0	5.6
Private truck	12.5	2.4	18.4	4.1	12.0	1.9	12.7
Rail	S	S	38.6	.3	39.3	.7	15.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	21.0	.5	18.7	–	21.3	.2	5.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**13.1**	**2.9**	**11.5**	**1.0**	**14.2**	**1.9**	**5.0**
Parcel, U.S. Postal Service or courier	13.3	3.0	12.2	1.0	15.5	1.7	5.0
Truck and rail	44.1	.2	22.5	.1	24.5	.5	15.4
Truck and water	S	S	S	S	S	S	20.7
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**18.1**	**.7**	**27.6**	**.9**	**32.4**	**1.6**	**21.5**
SCTG 41, WASTE AND SCRAP							
Total	**12.9**	**–**	**25.0**	**–**	**21.4**	**–**	**22.4**
Single modes	**13.2**	**.8**	**25.2**	**.4**	**22.1**	**1.4**	**31.6**
Truck	17.5	4.0	34.7	6.3	39.2	5.1	27.7
For-hire truck	15.0	3.3	16.9	4.0	20.3	3.6	10.4
Private truck	24.8	4.1	45.6	8.1	S	S	30.8
Rail	17.8	4.0	17.1	6.4	22.6	5.8	10.1
Water	S	S	S	S	S	S	21.4
Shallow draft	S	S	S	S	S	S	21.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**33.0**	**.8**	**S**	**S**	**39.2**	**1.4**	**19.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.9
Truck and rail	38.9	.7	S	S	40.2	1.4	21.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.8**
SCTG 43, MIXED FREIGHT							
Total	**15.1**	**–**	**31.3**	**–**	**S**	**S**	**15.2**
Single modes	**15.5**	**.9**	**31.5**	**.4**	**S**	**S**	**26.9**
Truck	15.5	.8	31.6	.5	S	S	24.6
For-hire truck	19.9	4.1	S	S	S	S	14.2
Private truck	19.1	4.4	18.7	6.9	22.1	11.7	9.0
Rail	S	S	S	S	S	S	25.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**43.0**	**.8**	**S**	**S**	**46.7**	**.8**	**12.5**
Parcel, U.S. Postal Service or courier	43.0	.8	S	S	46.7	.8	12.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	**19.0**	**–**	**46.8**	**–**	**S**	**S**	**14.8**
Single modes	**19.6**	**4.7**	**46.9**	**1.8**	**S**	**S**	**26.8**
Truck	18.8	6.7	32.4	12.7	24.4	13.3	28.0
For-hire truck	16.5	6.5	34.3	9.2	26.7	10.0	19.2
Private truck	34.3	5.7	37.1	9.1	39.4	5.5	19.4
Rail	S	S	S	S	S	S	20.4
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	42.8	.8	48.2	3.1	17.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**30.9**	**1.1**	**37.0**	**2.1**	**12.4**
Parcel, U.S. Postal Service or courier	S	S	31.0	1.1	37.7	2.1	12.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	**1.9**	**3.0**	**6.2**
Less than 50 miles	1.7	4.9	5.3
50 to 99 miles	4.8	6.1	6.6
100 to 249 miles	3.1	6.0	7.2
250 to 499 miles	3.1	9.1	11.1
500 to 749 miles	3.8	9.5	10.6
750 to 999 miles	5.8	13.0	12.4
1,000 to 1,499 miles	5.3	10.2	10.9
1,500 to 1,999 miles	7.1	7.3	7.2
2,000 miles or more	25.0	S	S
SCTG 01, Live animals and live fish	**38.0**	**41.0**	**31.6**
Less than 50 miles	40.6	38.4	40.7
50 to 99 miles	S	S	S
100 to 249 miles	39.2	38.8	34.6
250 to 499 miles	44.9	34.4	36.7
500 to 749 miles	S	37.5	37.4
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	45.3	44.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 02, Cereal grains	**9.0**	**8.3**	**13.4**
Less than 50 miles	12.6	12.8	15.5
50 to 99 miles	23.5	25.6	27.1
100 to 249 miles	15.9	15.5	17.2
250 to 499 miles	20.3	19.0	18.0
500 to 749 miles	25.6	25.9	27.5
750 to 999 miles	24.4	25.0	22.8
1,000 to 1,499 miles	18.5	18.7	19.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 03, Other agricultural products	**21.3**	**13.3**	**18.6**
Less than 50 miles	20.1	18.6	24.0
50 to 99 miles	33.5	20.7	21.7
100 to 249 miles	36.9	30.8	31.8
250 to 499 miles	24.0	34.1	44.5
500 to 749 miles	29.1	35.4	35.3
750 to 999 miles	17.4	19.8	20.2
1,000 to 1,499 miles	28.2	32.7	33.9
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**8.8**	**7.0**	**6.7**
Less than 50 miles	8.6	9.5	11.9
50 to 99 miles	17.8	13.8	14.4
100 to 249 miles	12.4	12.1	12.3
250 to 499 miles	12.8	14.0	13.4
500 to 749 miles	14.8	16.3	17.3
750 to 999 miles	17.6	13.2	13.6
1,000 to 1,499 miles	9.6	9.5	10.1
1,500 to 1,999 miles	29.5	36.2	36.4
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**7.9**	**7.4**	**9.9**
Less than 50 miles	10.7	11.2	13.7
50 to 99 miles	15.9	19.1	18.0
100 to 249 miles	7.9	6.6	6.8
250 to 499 miles	10.2	10.9	11.2
500 to 749 miles	11.4	11.8	11.8
750 to 999 miles	10.5	11.0	11.0
1,000 to 1,499 miles	16.9	16.2	16.2
1,500 to 1,999 miles	17.3	21.4	22.4
2,000 miles or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**11.5**	**7.1**	**10.7**
Less than 50 miles	10.6	11.6	13.7
50 to 99 miles	17.2	13.0	12.6
100 to 249 miles	12.3	10.0	10.7
250 to 499 miles	15.1	8.8	9.2
500 to 749 miles	16.7	19.9	23.1
750 to 999 miles	25.3	13.3	13.1
1,000 to 1,499 miles	12.8	15.7	15.5
1,500 to 1,999 miles	46.4	22.4	22.0
2,000 miles or more	S	S	S
SCTG 07, Other prepared foodstuffs and fats and oils	**6.7**	**8.3**	**9.3**
Less than 50 miles	12.1	13.0	13.0
50 to 99 miles	13.4	17.7	17.7
100 to 249 miles	9.0	9.9	9.1
250 to 499 miles	11.5	11.9	11.9
500 to 749 miles	11.1	12.6	12.9
750 to 999 miles	16.1	12.9	13.0
1,000 to 1,499 miles	7.2	14.3	15.2
1,500 to 1,999 miles	17.0	23.4	23.6
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**12.3**	**15.1**	**20.3**
Less than 50 miles	9.9	8.6	8.8
50 to 99 miles	24.4	31.8	34.2
100 to 249 miles	27.7	26.8	27.9
250 to 499 miles	30.0	33.6	33.3
500 to 749 miles	27.6	27.2	28.5
750 to 999 miles	S	47.3	46.3
1,000 to 1,499 miles	32.4	39.8	41.3
1,500 to 1,999 miles	44.3	S	S
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	**14.0**	**26.3**	**27.6**
Less than 50 miles	16.7	24.9	29.1
50 to 99 miles	16.3	35.2	33.8
100 to 249 miles	21.2	34.8	34.9
250 to 499 miles	43.6	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	49.5	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 10, Monumental or building stone	**40.9**	**40.1**	**35.9**
Less than 50 miles	46.6	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	48.7	45.1	44.9
500 to 749 miles	49.8	46.4	44.5
750 to 999 miles	S	S	S
1,000 to 1,499 miles	49.8	41.7	43.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 11, Natural sands	**18.7**	**20.1**	**26.6**
Less than 50 miles	15.1	19.7	21.7
50 to 99 miles	40.8	40.6	40.5
100 to 249 miles	36.0	42.1	37.0
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 12, Gravel and crushed stone	**9.5**	**11.0**	**24.4**
Less than 50 miles	11.5	13.4	16.1
50 to 99 miles	21.4	26.3	27.2
100 to 249 miles	21.8	22.9	26.1
250 to 499 miles	34.4	21.9	26.1
500 to 749 miles	32.0	41.5	41.4
750 to 999 miles	47.8	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**49.3**	**17.7**	**17.6**
Less than 50 miles	34.1	29.5	39.5
50 to 99 miles	S	40.5	40.2
100 to 249 miles	35.9	25.3	25.5
250 to 499 miles	32.3	25.8	26.6
500 to 749 miles	31.7	26.1	25.1
750 to 999 miles	17.0	21.1	21.5
1,000 to 1,499 miles	17.7	25.2	25.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 14, Metallic ores and concentrates	**17.2**	**19.8**	**26.3**
Less than 50 miles	29.8	43.4	S
50 to 99 miles	28.9	43.8	43.2
100 to 249 miles	S	45.5	44.7
250 to 499 miles	32.5	31.2	31.8
500 to 749 miles	37.3	39.1	40.0
750 to 999 miles	S	S	S
1,000 to 1,499 miles	33.9	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 15, Coal	**24.6**	**26.5**	**25.8**
Less than 50 miles	24.5	26.7	27.4
50 to 99 miles	43.2	43.4	45.5
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	48.0	46.7	45.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**13.6**	**16.0**	**31.3**
Less than 50 miles	12.1	15.6	17.3
50 to 99 miles	20.5	23.2	24.3
100 to 249 miles	32.8	35.5	36.1
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 18, Fuel oils	**12.5**	**14.1**	**S**
Less than 50 miles	13.9	15.2	13.8
50 to 99 miles	21.3	18.2	24.7
100 to 249 miles	22.0	20.5	20.2
250 to 499 miles	41.6	46.3	49.7
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**17.7**	**18.2**	**27.7**
Less than 50 miles	16.9	18.0	17.4
50 to 99 miles	43.0	33.1	29.5
100 to 249 miles	26.2	33.7	34.9
250 to 499 miles	31.4	46.7	46.4
500 to 749 miles	45.5	S	S
750 to 999 miles	41.0	33.1	35.9
1,000 to 1,499 miles	42.9	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 20, Basic chemicals	**11.3**	**23.5**	**29.2**
Less than 50 miles	17.1	18.2	16.7
50 to 99 miles	15.8	28.8	31.4
100 to 249 miles	14.9	25.4	27.5
250 to 499 miles	23.0	S	S
500 to 749 miles	21.0	S	S
750 to 999 miles	21.5	44.1	45.0
1,000 to 1,499 miles	23.0	44.5	43.7
1,500 to 1,999 miles	33.9	38.5	38.5
2,000 miles or more	S	S	S
SCTG 21, Pharmaceutical products	**10.6**	**18.9**	**30.6**
Less than 50 miles	13.2	20.3	17.6
50 to 99 miles	14.9	28.5	27.5
100 to 249 miles	17.0	13.4	14.8
250 to 499 miles	13.2	25.4	25.4
500 to 749 miles	17.8	19.8	19.6
750 to 999 miles	18.0	S	S
1,000 to 1,499 miles	21.3	25.8	25.8
1,500 to 1,999 miles	27.1	36.8	36.5
2,000 miles or more	S	49.4	48.5
SCTG 22, Fertilizers	**17.1**	**14.0**	**9.2**
Less than 50 miles	24.3	21.3	19.1
50 to 99 miles	20.4	20.9	18.5
100 to 249 miles	14.6	11.4	11.7
250 to 499 miles	18.0	16.9	15.8
500 to 749 miles	18.3	17.8	18.1
750 to 999 miles	31.2	34.9	36.1
1,000 to 1,499 miles	35.5	26.8	28.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.4**	**14.0**
Less than 50 miles	16.4	25.5	26.1
50 to 99 miles	20.0	17.1	18.3
100 to 249 miles	18.7	11.8	13.9
250 to 499 miles	15.3	15.1	18.5
500 to 749 miles	15.2	17.5	17.6
750 to 999 miles	19.2	19.1	19.8
1,000 to 1,499 miles	27.0	26.9	26.6
1,500 to 1,999 miles	34.6	20.6	20.7
2,000 miles or more	S	S	S
SCTG 24, Plastics and rubber	**5.6**	**11.1**	**12.9**
Less than 50 miles	12.7	23.9	17.4
50 to 99 miles	11.7	13.9	12.0
100 to 249 miles	9.7	16.8	19.3
250 to 499 miles	6.9	15.6	15.8
500 to 749 miles	11.7	16.1	16.5
750 to 999 miles	10.0	22.4	23.3
1,000 to 1,499 miles	11.1	13.6	13.7
1,500 to 1,999 miles	15.6	16.4	16.4
2,000 miles or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**29.4**	**S**	**S**
Less than 50 miles	35.7	S	S
50 to 99 miles	S	S	S
100 to 249 miles	29.6	47.9	45.6
250 to 499 miles	33.5	33.4	32.6
500 to 749 miles	49.1	46.9	48.4
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 26, Wood products	**10.8**	**11.1**	**18.6**
Less than 50 miles	12.2	15.1	17.8
50 to 99 miles	17.3	20.3	19.7
100 to 249 miles	18.2	20.1	19.2
250 to 499 miles	19.3	15.7	15.5
500 to 749 miles	20.5	12.4	12.3
750 to 999 miles	29.0	15.9	15.7
1,000 to 1,499 miles	17.9	46.6	46.0
1,500 to 1,999 miles	20.1	18.2	19.3
2,000 miles or more	S	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.9**	**15.0**	**15.5**
Less than 50 miles	16.8	23.3	21.6
50 to 99 miles	27.4	39.2	41.7
100 to 249 miles	16.8	21.3	23.9
250 to 499 miles	15.4	18.0	18.2
500 to 749 miles	18.8	18.3	18.3
750 to 999 miles	36.2	32.0	31.4
1,000 to 1,499 miles	25.4	29.7	29.9
1,500 to 1,999 miles	38.6	33.4	32.8
2,000 miles or more	S	S	S
SCTG 28, Paper or paperboard articles	**11.7**	**9.8**	**17.4**
Less than 50 miles	22.3	13.4	17.3
50 to 99 miles	18.0	16.5	16.2
100 to 249 miles	13.3	13.0	13.0
250 to 499 miles	15.3	11.5	11.5
500 to 749 miles	25.7	20.6	20.1
750 to 999 miles	20.8	40.0	40.6
1,000 to 1,499 miles	15.0	24.9	27.8
1,500 to 1,999 miles	23.9	26.7	26.9
2,000 miles or more	S	S	S
SCTG 29, Printed products	**5.7**	**10.2**	**14.6**
Less than 50 miles	11.4	14.0	16.0
50 to 99 miles	13.4	13.2	12.6
100 to 249 miles	12.9	13.2	13.3
250 to 499 miles	11.9	19.5	20.2
500 to 749 miles	7.8	20.9	19.0
750 to 999 miles	17.8	15.0	14.5
1,000 to 1,499 miles	14.4	16.0	15.8
1,500 to 1,999 miles	14.1	34.3	35.3
2,000 miles or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**21.3**	**26.9**	**38.9**
Less than 50 miles	30.5	20.8	21.8
50 to 99 miles	12.0	24.9	24.9
100 to 249 miles	42.7	33.1	30.3
250 to 499 miles	26.9	32.3	33.0
500 to 749 miles	24.8	36.7	35.5
750 to 999 miles	16.6	28.4	28.7
1,000 to 1,499 miles	32.7	S	S
1,500 to 1,999 miles	22.1	39.5	39.5
2,000 miles or more	39.7	S	S
SCTG 31, Nonmetallic mineral products	**6.1**	**9.3**	**24.2**
Less than 50 miles	7.6	13.2	13.7
50 to 99 miles	12.3	13.5	13.7
100 to 249 miles	9.8	12.0	12.2
250 to 499 miles	10.2	15.4	17.2
500 to 749 miles	18.3	19.7	19.3
750 to 999 miles	14.5	40.3	44.9
1,000 to 1,499 miles	16.9	S	S
1,500 to 1,999 miles	28.7	38.2	37.7
2,000 miles or more	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**8.4**	**12.8**	**33.6**
Less than 50 miles	12.5	17.3	17.5
50 to 99 miles	12.9	16.4	17.8
100 to 249 miles	9.3	11.7	12.2
250 to 499 miles	10.7	10.4	10.8
500 to 749 miles	14.0	20.5	21.4
750 to 999 miles	17.8	S	S
1,000 to 1,499 miles	17.1	S	S
1,500 to 1,999 miles	38.7	37.4	37.6
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	**7.4**	**43.7**	**S**
Less than 50 miles	10.1	27.0	43.4
50 to 99 miles	12.4	18.1	17.5
100 to 249 miles	16.5	31.4	34.6
250 to 499 miles	12.4	40.4	41.3
500 to 749 miles	14.5	S	S
750 to 999 miles	15.1	S	S
1,000 to 1,499 miles	10.2	S	S
1,500 to 1,999 miles	33.0	42.2	41.7
2,000 miles or more	37.8	S	S
SCTG 34, Machinery	**4.2**	**4.5**	**6.1**
Less than 50 miles	6.0	8.6	7.7
50 to 99 miles	8.1	9.7	9.6
100 to 249 miles	6.7	5.8	6.7
250 to 499 miles	5.1	6.8	7.2
500 to 749 miles	7.3	8.5	8.4
750 to 999 miles	10.4	8.0	8.1
1,000 to 1,499 miles	10.3	10.4	10.8
1,500 to 1,999 miles	23.6	25.0	25.0
2,000 miles or more	47.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10.0**	**6.6**	**9.7**
Less than 50 miles	8.3	14.9	18.8
50 to 99 miles	12.6	15.9	15.5
100 to 249 miles	17.1	12.3	13.4
250 to 499 miles	13.3	13.3	13.4
500 to 749 miles	12.9	8.1	8.0
750 to 999 miles	24.2	9.4	9.0
1,000 to 1,499 miles	14.5	12.7	13.0
1,500 to 1,999 miles	18.9	45.0	44.2
2,000 miles or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**15.4**	**12.1**	**17.3**
Less than 50 miles	9.6	13.9	13.0
50 to 99 miles	12.4	13.2	14.2
100 to 249 miles	15.2	14.0	14.0
250 to 499 miles	20.9	15.3	16.6
500 to 749 miles	23.7	19.1	19.8
750 to 999 miles	26.5	24.3	25.6
1,000 to 1,499 miles	19.5	18.9	21.0
1,500 to 1,999 miles	37.4	34.6	35.3
2,000 miles or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**28.5**	**19.9**	**37.4**
Less than 50 miles	47.5	31.8	30.3
50 to 99 miles	33.6	33.9	32.8
100 to 249 miles	20.3	22.1	23.2
250 to 499 miles	16.3	27.8	27.9
500 to 749 miles	34.2	16.3	15.9
750 to 999 miles	32.8	25.8	24.9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	33.7	35.6
2,000 miles or more	S	S	S
SCTG 38, Precision instruments and apparatus	**9.6**	**13.3**	**15.4**
Less than 50 miles	23.2	30.5	34.2
50 to 99 miles	20.5	41.7	37.1
100 to 249 miles	12.8	23.7	21.6
250 to 499 miles	13.0	32.2	28.7
500 to 749 miles	10.9	21.0	21.2
750 to 999 miles	14.2	25.6	26.6
1,000 to 1,499 miles	13.8	21.5	21.4
1,500 to 1,999 miles	16.0	31.2	30.7
2,000 miles or more	29.2	26.0	30.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**8.5**	**12.8**	**17.3**
Less than 50 miles	12.5	30.5	35.3
50 to 99 miles	25.3	21.2	20.4
100 to 249 miles	11.3	24.6	29.6
250 to 499 miles	7.3	13.5	14.8
500 to 749 miles	11.5	20.9	20.3
750 to 999 miles	13.0	17.5	17.6
1,000 to 1,499 miles	10.1	21.0	21.3
1,500 to 1,999 miles	19.0	31.1	30.6
2,000 miles or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**6.7**	**10.5**	**13.2**
Less than 50 miles	8.6	21.1	20.2
50 to 99 miles	17.4	15.6	15.2
100 to 249 miles	17.2	12.8	12.1
250 to 499 miles	8.6	14.8	14.8
500 to 749 miles	15.4	13.2	13.0
750 to 999 miles	10.1	27.4	26.2
1,000 to 1,499 miles	10.5	15.3	15.8
1,500 to 1,999 miles	16.0	25.7	25.7
2,000 miles or more	36.6	49.8	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 41, Waste and scrap	**12.9**	**25.0**	**21.4**
Less than 50 miles	20.0	32.0	29.8
50 to 99 miles	23.5	35.6	35.4
100 to 249 miles	17.1	32.4	30.0
250 to 499 miles	18.3	31.4	32.2
500 to 749 miles	20.9	32.2	32.3
750 to 999 miles	30.6	38.3	37.3
1,000 to 1,499 miles	36.6	31.8	31.3
1,500 to 1,999 miles	S	48.6	48.3
2,000 miles or more	–	–	–
SCTG 43, Mixed freight	**15.1**	**31.3**	**S**
Less than 50 miles	15.1	16.9	16.4
50 to 99 miles	16.3	16.5	17.8
100 to 249 miles	23.8	25.3	24.2
250 to 499 miles	19.6	S	S
500 to 749 miles	22.4	S	S
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	38.0	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
Commodity unknown	**19.0**	**46.8**	**S**
Less than 50 miles	24.8	42.1	S
50 to 99 miles	49.0	S	S
100 to 249 miles	47.8	S	S
250 to 499 miles	33.8	S	S
500 to 749 miles	49.0	44.1	46.0
750 to 999 miles	29.7	37.4	36.4
1,000 to 1,499 miles	23.4	S	S
1,500 to 1,999 miles	S	46.8	46.2
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	**1.9**	**3.0**	**6.2**
Less than 50 lb	4.3	8.0	15.5
50 to 99 lb	4.0	4.0	8.3
100 to 499 lb	6.5	5.1	5.3
500 to 749 lb	8.6	5.7	4.1
750 to 999 lb	3.6	6.2	3.2
1,000 to 9,999 lb	3.8	4.1	3.7
10,000 to 49,999 lb	3.4	5.1	6.3
50,000 to 99,999 lb	10.0	3.7	4.9
100,000 lb or more	4.4	6.2	9.2
SCTG 01, Live animals and live fish	**38.0**	**41.0**	**31.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	40.1
50,000 to 99,999 lb	S	S	40.9
100,000 lb or more	41.8	S	S
SCTG 02, Cereal grains	**9.0**	**8.3**	**13.4**
Less than 50 lb	38.2	32.2	41.4
50 to 99 lb	S	43.3	45.4
100 to 499 lb	30.4	26.3	23.5
500 to 749 lb	37.7	30.7	35.5
750 to 999 lb	41.3	40.7	37.8
1,000 to 9,999 lb	37.7	21.2	35.3
10,000 to 49,999 lb	25.5	14.3	28.9
50,000 to 99,999 lb	10.0	10.3	12.3
100,000 lb or more	10.8	10.2	14.0
SCTG 03, Other agricultural products	**21.3**	**13.3**	**18.6**
Less than 50 lb	34.9	31.7	38.2
50 to 99 lb	29.4	21.8	23.2
100 to 499 lb	23.0	23.9	26.1
500 to 749 lb	28.0	30.3	31.9
750 to 999 lb	S	30.2	45.6
1,000 to 9,999 lb	25.1	24.0	31.6
10,000 to 49,999 lb	S	41.4	S
50,000 to 99,999 lb	12.6	12.6	13.6
100,000 lb or more	15.4	15.8	19.6
SCTG 04, Animal feed and products of animal origin, n.e.c.	**8.8**	**7.0**	**6.7**
Less than 50 lb	19.7	20.5	27.0
50 to 99 lb	13.1	16.7	17.8
100 to 499 lb	13.7	18.3	21.0
500 to 749 lb	16.8	21.3	23.1
750 to 999 lb	26.4	25.7	32.0
1,000 to 9,999 lb	13.5	14.3	23.7
10,000 to 49,999 lb	12.8	11.3	12.0
50,000 to 99,999 lb	10.0	11.7	17.9
100,000 lb or more	13.1	13.4	11.9
SCTG 05, Meat, fish, seafood, and their preparations	**7.9**	**7.4**	**9.9**
Less than 50 lb	S	34.6	S
50 to 99 lb	S	37.1	26.2
100 to 499 lb	25.2	29.3	26.7
500 to 749 lb	24.3	34.6	23.8
750 to 999 lb	27.2	24.3	19.6
1,000 to 9,999 lb	12.1	9.6	11.4
10,000 to 49,999 lb	8.7	8.6	11.7
50,000 to 99,999 lb	26.2	23.7	41.7
100,000 lb or more	34.1	30.7	27.7
SCTG 06, Milled grain products and preparations, and bakery products	**11.5**	**7.1**	**10.7**
Less than 50 lb	S	S	S
50 to 99 lb	23.7	25.9	24.2
100 to 499 lb	33.9	28.9	28.1
500 to 749 lb	30.5	22.8	23.0
750 to 999 lb	23.0	21.2	22.0
1,000 to 9,999 lb	16.0	18.4	16.1
10,000 to 49,999 lb	16.5	10.2	12.8
50,000 to 99,999 lb	19.2	19.9	21.0
100,000 lb or more	12.3	13.2	15.9
SCTG 07, Other prepared foodstuffs and fats and oils	**6.7**	**8.3**	**9.3**
Less than 50 lb	29.5	19.1	42.9
50 to 99 lb	23.1	19.8	23.3
100 to 499 lb	12.0	16.4	14.8
500 to 749 lb	12.1	21.2	13.3
750 to 999 lb	17.1	23.4	18.3
1,000 to 9,999 lb	14.8	18.3	11.9
10,000 to 49,999 lb	6.7	10.0	5.9
50,000 to 99,999 lb	12.1	12.2	13.6
100,000 lb or more	11.4	12.5	15.0

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**12.3**	**15.1**	**20.3**
Less than 50 lb	21.4	18.2	14.2
50 to 99 lb	21.4	16.3	19.9
100 to 499 lb	9.4	10.5	10.5
500 to 749 lb	11.3	10.5	12.5
750 to 999 lb	9.5	11.6	11.5
1,000 to 9,999 lb	16.1	10.5	11.2
10,000 to 49,999 lb	29.4	32.7	35.2
50,000 to 99,999 lb	33.7	29.9	36.8
100,000 lb or more	34.3	24.3	31.0
SCTG 09, Tobacco products	**14.0**	**26.3**	**27.6**
Less than 50 lb	29.2	17.1	15.0
50 to 99 lb	27.4	16.4	23.6
100 to 499 lb	15.4	14.6	19.8
500 to 749 lb	25.8	31.4	38.1
750 to 999 lb	31.9	34.9	48.4
1,000 to 9,999 lb	27.5	34.0	34.3
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 10, Monumental or building stone	**40.9**	**40.1**	**35.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	49.3	46.2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.5	40.7	44.7
10,000 to 49,999 lb	45.0	44.3	43.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**18.7**	**20.1**	**26.6**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	38.8	43.9
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	22.0	39.5
10,000 to 49,999 lb	16.3	20.1	22.8
50,000 to 99,999 lb	25.5	30.3	36.0
100,000 lb or more	S	38.9	S
SCTG 12, Gravel and crushed stone	**9.5**	**11.0**	**24.4**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	41.5	49.3
500 to 749 lb	S	33.7	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	41.4	25.9	25.5
10,000 to 49,999 lb	15.1	16.1	42.5
50,000 to 99,999 lb	10.7	11.3	16.6
100,000 lb or more	17.8	21.9	29.8
SCTG 13, Nonmetallic minerals n.e.c.	**49.3**	**17.7**	**17.6**
Less than 50 lb	S	37.1	S
50 to 99 lb	S	38.3	48.8
100 to 499 lb	22.4	32.5	49.1
500 to 749 lb	S	S	S
750 to 999 lb	45.8	S	S
1,000 to 9,999 lb	32.6	41.0	44.8
10,000 to 49,999 lb	S	31.4	19.6
50,000 to 99,999 lb	S	25.6	22.4
100,000 lb or more	23.8	24.6	21.6
SCTG 14, Metallic ores and concentrates	**17.2**	**19.8**	**26.3**
Less than 50 lb	S	S	47.8
50 to 99 lb	S	46.6	S
100 to 499 lb	39.8	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	33.9	28.3	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	19.4	20.0	26.2
SCTG 15, Coal	**24.6**	**26.5**	**25.8**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	–	–	–
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	32.3	39.3	31.0
50,000 to 99,999 lb	37.3	34.7	35.1
100,000 lb or more	27.2	27.2	28.3

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**13.6**	**16.0**	**31.3**
Less than 50 lb	40.6	45.9	S
50 to 99 lb	47.0	46.3	S
100 to 499 lb	S	24.6	30.6
500 to 749 lb	32.3	25.4	26.3
750 to 999 lb	S	42.6	49.4
1,000 to 9,999 lb	17.8	18.5	17.1
10,000 to 49,999 lb	17.7	20.3	32.3
50,000 to 99,999 lb	20.8	21.2	27.2
100,000 lb or more	37.4	39.3	47.7
SCTG 18, Fuel oils	**12.5**	**14.1**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	48.7	S	S
100 to 499 lb	26.5	24.9	35.8
500 to 749 lb	31.3	28.4	24.4
750 to 999 lb	40.0	45.1	28.3
1,000 to 9,999 lb	25.0	27.7	24.1
10,000 to 49,999 lb	20.0	20.4	18.0
50,000 to 99,999 lb	14.7	15.6	21.9
100,000 lb or more	40.4	44.8	S
SCTG 19, Coal and petroleum products, n.e.c.	**17.7**	**18.2**	**27.7**
Less than 50 lb	21.9	21.2	34.1
50 to 99 lb	14.7	16.9	26.5
100 to 499 lb	20.8	18.0	22.6
500 to 749 lb	34.3	36.3	S
750 to 999 lb	28.0	34.8	24.1
1,000 to 9,999 lb	22.4	19.2	25.5
10,000 to 49,999 lb	21.5	23.8	33.5
50,000 to 99,999 lb	35.5	31.1	31.3
100,000 lb or more	40.9	33.5	34.2
SCTG 20, Basic chemicals	**11.3**	**23.5**	**29.2**
Less than 50 lb	34.2	26.5	41.1
50 to 99 lb	33.2	34.1	28.7
100 to 499 lb	20.6	43.3	45.3
500 to 749 lb	31.6	S	27.9
750 to 999 lb	40.5	S	26.4
1,000 to 9,999 lb	19.8	18.9	15.7
10,000 to 49,999 lb	15.3	14.0	16.7
50,000 to 99,999 lb	36.3	38.0	49.2
100,000 lb or more	33.2	34.8	36.0
SCTG 21, Pharmaceutical products	**10.6**	**18.9**	**30.6**
Less than 50 lb	16.2	16.9	17.8
50 to 99 lb	17.9	12.0	18.9
100 to 499 lb	14.6	14.2	16.8
500 to 749 lb	25.4	19.2	20.1
750 to 999 lb	32.2	25.9	35.1
1,000 to 9,999 lb	23.4	23.5	20.5
10,000 to 49,999 lb	21.3	39.8	46.6
50,000 to 99,999 lb	S	S	46.8
100,000 lb or more	–	–	–
SCTG 22, Fertilizers	**17.1**	**14.0**	**9.2**
Less than 50 lb	45.0	45.3	49.8
50 to 99 lb	44.1	31.3	39.5
100 to 499 lb	37.8	33.7	31.8
500 to 749 lb	33.5	28.7	45.3
750 to 999 lb	S	46.1	45.9
1,000 to 9,999 lb	26.8	27.6	20.0
10,000 to 49,999 lb	17.9	17.6	15.6
50,000 to 99,999 lb	18.9	18.2	17.1
100,000 lb or more	33.7	22.9	13.8
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.4**	**14.0**
Less than 50 lb	15.6	17.4	21.3
50 to 99 lb	14.4	10.3	19.4
100 to 499 lb	12.2	9.8	22.3
500 to 749 lb	13.6	14.7	27.5
750 to 999 lb	18.8	20.5	20.3
1,000 to 9,999 lb	14.9	14.7	17.6
10,000 to 49,999 lb	15.4	12.9	15.2
50,000 to 99,999 lb	49.0	S	S
100,000 lb or more	S	46.0	46.5
SCTG 24, Plastics and rubber	**5.6**	**11.1**	**12.9**
Less than 50 lb	11.0	15.2	31.2
50 to 99 lb	10.6	12.2	9.7
100 to 499 lb	8.0	11.7	10.6
500 to 749 lb	10.4	9.3	13.8
750 to 999 lb	15.3	12.6	17.4
1,000 to 9,999 lb	10.2	19.0	13.9
10,000 to 49,999 lb	11.1	17.1	17.7
50,000 to 99,999 lb	S	S	S
100,000 lb or more	43.3	43.3	44.4

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**29.4**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	28.5	S	46.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 26, Wood products	**10.8**	**11.1**	**18.6**
Less than 50 lb	23.7	21.0	31.2
50 to 99 lb	14.9	43.2	S
100 to 499 lb	15.3	12.5	18.8
500 to 749 lb	14.1	14.7	25.9
750 to 999 lb	14.9	21.6	25.6
1,000 to 9,999 lb	11.5	15.5	13.0
10,000 to 49,999 lb	15.4	13.8	26.9
50,000 to 99,999 lb	23.6	21.3	17.0
100,000 lb or more	20.5	20.3	19.6
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.9**	**15.0**	**15.5**
Less than 50 lb	19.4	14.5	14.7
50 to 99 lb	25.1	12.2	17.5
100 to 499 lb	18.6	15.7	23.4
500 to 749 lb	26.4	23.0	26.2
750 to 999 lb	39.2	27.7	45.3
1,000 to 9,999 lb	20.4	22.4	22.6
10,000 to 49,999 lb	19.2	25.2	14.9
50,000 to 99,999 lb	S	44.2	S
100,000 lb or more	28.9	25.3	27.2
SCTG 28, Paper or paperboard articles	**11.7**	**9.8**	**17.4**
Less than 50 lb	32.2	14.3	23.5
50 to 99 lb	13.1	15.6	S
100 to 499 lb	12.4	11.3	19.6
500 to 749 lb	16.3	12.9	26.8
750 to 999 lb	17.9	14.1	45.7
1,000 to 9,999 lb	21.9	12.9	38.0
10,000 to 49,999 lb	14.5	11.6	13.1
50,000 to 99,999 lb	29.9	33.8	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**5.7**	**10.2**	**14.6**
Less than 50 lb	14.9	27.6	S
50 to 99 lb	22.1	24.5	19.1
100 to 499 lb	12.8	11.8	11.8
500 to 749 lb	27.7	15.1	14.0
750 to 999 lb	16.5	18.4	22.6
1,000 to 9,999 lb	8.3	7.7	12.5
10,000 to 49,999 lb	10.9	17.4	15.7
50,000 to 99,999 lb	45.0	45.3	S
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**21.3**	**26.9**	**38.9**
Less than 50 lb	17.8	19.9	23.7
50 to 99 lb	28.3	25.7	38.2
100 to 499 lb	32.4	18.8	23.6
500 to 749 lb	24.2	12.8	16.0
750 to 999 lb	34.1	20.1	24.3
1,000 to 9,999 lb	26.0	23.7	15.6
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	49.2	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**6.1**	**9.3**	**24.2**
Less than 50 lb	17.1	41.0	S
50 to 99 lb	19.9	15.4	29.9
100 to 499 lb	18.6	17.2	22.1
500 to 749 lb	15.0	16.6	16.3
750 to 999 lb	20.7	23.9	20.1
1,000 to 9,999 lb	12.1	18.6	12.4
10,000 to 49,999 lb	8.1	10.0	22.4
50,000 to 99,999 lb	13.0	14.6	18.7
100,000 lb or more	26.6	29.3	45.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**8.4**	**12.8**	**33.6**
Less than 50 lb	27.0	15.6	31.6
50 to 99 lb	18.5	22.7	18.4
100 to 499 lb	14.1	18.8	12.1
500 to 749 lb	19.5	26.4	18.1
750 to 999 lb	15.7	23.2	13.4
1,000 to 9,999 lb	16.1	25.3	15.5
10,000 to 49,999 lb	10.2	11.8	11.2
50,000 to 99,999 lb	23.5	18.9	33.3
100,000 lb or more	25.3	47.4	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**7.4**	**43.7**	**S**
Less than 50 lb	12.9	19.2	37.1
50 to 99 lb	16.9	10.5	13.5
100 to 499 lb	11.1	12.6	8.5
500 to 749 lb	26.2	15.6	14.8
750 to 999 lb	18.0	29.1	27.3
1,000 to 9,999 lb	11.3	18.8	15.0
10,000 to 49,999 lb	10.4	S	S
50,000 to 99,999 lb	33.2	33.8	34.9
100,000 lb or more	29.8	S	S
SCTG 34, Machinery	**4.2**	**4.5**	**6.1**
Less than 50 lb	11.7	14.2	15.0
50 to 99 lb	11.6	11.1	12.3
100 to 499 lb	7.3	8.1	13.9
500 to 749 lb	11.0	11.3	12.3
750 to 999 lb	12.1	10.2	16.1
1,000 to 9,999 lb	6.9	7.5	9.7
10,000 to 49,999 lb	4.2	5.0	6.8
50,000 to 99,999 lb	33.7	30.2	37.2
100,000 lb or more	S	40.6	41.9
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10.0**	**6.6**	**9.7**
Less than 50 lb	9.3	11.7	18.1
50 to 99 lb	15.3	16.5	27.5
100 to 499 lb	24.1	21.9	24.2
500 to 749 lb	17.0	16.2	22.6
750 to 999 lb	17.2	15.9	27.7
1,000 to 9,999 lb	21.0	14.3	23.7
10,000 to 49,999 lb	9.5	12.6	13.0
50,000 to 99,999 lb	S	47.4	S
100,000 lb or more	S	S	S
SCTG 36, Motorized and other vehicles (including parts)	**15.4**	**12.1**	**17.3**
Less than 50 lb	12.3	14.2	30.1
50 to 99 lb	21.8	17.5	26.1
100 to 499 lb	28.9	13.8	11.5
500 to 749 lb	24.0	13.7	23.6
750 to 999 lb	27.3	20.5	18.6
1,000 to 9,999 lb	15.3	14.7	25.1
10,000 to 49,999 lb	19.0	11.7	15.7
50,000 to 99,999 lb	S	38.1	49.2
100,000 lb or more	49.9	49.6	S
SCTG 37, Transportation equipment, n.e.c.	**28.5**	**19.9**	**37.4**
Less than 50 lb	32.2	36.3	47.9
50 to 99 lb	24.4	32.2	38.6
100 to 499 lb	35.5	27.9	33.5
500 to 749 lb	40.1	41.2	41.7
750 to 999 lb	S	31.7	39.6
1,000 to 9,999 lb	46.7	33.6	49.4
10,000 to 49,999 lb	33.6	26.4	42.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	48.6	S
SCTG 38, Precision instruments and apparatus	**9.6**	**13.3**	**15.4**
Less than 50 lb	11.9	27.4	27.0
50 to 99 lb	18.9	29.5	47.2
100 to 499 lb	21.4	24.5	30.3
500 to 749 lb	22.2	18.9	14.9
750 to 999 lb	32.9	20.4	21.9
1,000 to 9,999 lb	17.9	16.1	21.9
10,000 to 49,999 lb	21.6	18.4	20.9
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	**8.5**	**12.8**	**17.3**
Less than 50 lb	22.2	33.5	38.4
50 to 99 lb	22.2	36.0	43.1
100 to 499 lb	20.6	12.5	8.8
500 to 749 lb	15.0	11.9	12.8
750 to 999 lb	9.4	8.7	14.3
1,000 to 9,999 lb	10.1	9.9	11.8
10,000 to 49,999 lb	16.2	23.3	34.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 40, Miscellaneous manufactured products	**6.7**	**10.5**	**13.2**
Less than 50 lb	12.6	14.1	19.2
50 to 99 lb	9.8	10.5	16.4
100 to 499 lb	7.9	9.0	9.5
500 to 749 lb	S	11.4	12.5
750 to 999 lb	12.1	13.7	18.5
1,000 to 9,999 lb	11.0	10.3	11.0
10,000 to 49,999 lb	15.6	15.2	21.6
50,000 to 99,999 lb	13.0	27.9	17.9
100,000 lb or more	44.8	S	22.7

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	**12.9**	**25.0**	**21.4**
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	39.9	S	S
10,000 to 49,999 lb	15.9	29.5	19.9
50,000 to 99,999 lb	46.2	S	S
100,000 lb or more	17.5	17.0	21.7
SCTG 43, Mixed freight	**15.1**	**31.3**	**S**
Less than 50 lb	24.9	23.9	45.9
50 to 99 lb	22.1	27.3	34.4
100 to 499 lb	25.6	36.6	22.1
500 to 749 lb	22.7	27.0	24.1
750 to 999 lb	24.4	19.3	41.4
1,000 to 9,999 lb	15.6	18.1	21.2
10,000 to 49,999 lb	24.4	21.8	22.7
50,000 to 99,999 lb	37.6	35.4	S
100,000 lb or more	S	S	S
Commodity unknown	**19.0**	**46.8**	**S**
Less than 50 lb	38.1	28.3	43.6
50 to 99 lb	S	30.5	43.7
100 to 499 lb	33.8	29.7	35.6
500 to 749 lb	32.6	43.7	37.3
750 to 999 lb	29.3	38.2	27.8
1,000 to 9,999 lb	23.8	36.3	27.9
10,000 to 49,999 lb	29.4	30.1	45.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**1.9**	**3.0**	**6.2**	**6.4**	**1.7**	**4.9**	**5.3**	**4.8**	**6.1**	**6.6**
Less than 50 lb	4.3	8.0	15.5	6.1	4.8	6.4	6.7	8.5	6.0	5.9
50 to 99 lb	4.0	4.0	8.3	7.1	5.9	6.6	8.1	8.2	5.8	5.7
100 to 499 lb	6.5	5.1	5.3	7.2	4.6	7.6	9.0	5.9	6.4	6.2
500 to 749 lb	8.6	5.7	4.1	6.5	6.0	8.7	10.0	9.8	6.9	6.7
750 to 999 lb	3.6	6.2	3.2	5.2	7.0	8.9	9.7	15.5	12.8	11.3
1,000 to 9,999 lb	3.8	4.1	3.7	5.3	3.8	5.7	6.6	5.1	5.5	5.8
10,000 to 49,999 lb	3.4	5.1	6.3	4.7	4.0	7.0	8.8	11.4	8.4	8.5
50,000 to 99,999 lb	10.0	3.7	4.9	4.4	6.4	5.4	6.9	7.3	8.1	8.4
100,000 lb or more	4.4	6.2	9.2	5.3	11.3	12.6	11.7	23.1	21.6	22.1
SCTG 01, Live animals and live fish	**38.0**	**41.0**	**31.6**	**22.2**	**40.6**	**38.4**	**40.7**	**S**	**S**	**S**
Less than 50 lb	S	S	S	25.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	24.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	43.8	S	S	S	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	30.4	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	23.5	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	40.1	28.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	40.9	28.1	S	S	S	S	S	S
100,000 lb or more	41.8	S	S	19.7	S	S	S	S	S	S
SCTG 02, Cereal grains	**9.0**	**8.3**	**13.4**	**13.2**	**12.6**	**12.8**	**15.5**	**23.5**	**25.6**	**27.1**
Less than 50 lb	38.2	32.2	41.4	44.0	S	49.3	46.0	S	S	S
50 to 99 lb	S	43.3	45.4	S	S	49.6	S	S	S	S
100 to 499 lb	30.4	26.3	23.5	S	38.8	27.9	40.5	S	46.1	47.3
500 to 749 lb	37.7	30.7	35.5	S	49.3	36.6	40.1	S	S	S
750 to 999 lb	41.3	40.7	37.8	S	48.4	S	S	–	–	–
1,000 to 9,999 lb	37.7	21.2	35.3	32.6	27.1	30.3	41.1	S	S	S
10,000 to 49,999 lb	25.5	14.3	28.9	17.9	19.2	19.7	23.5	43.3	49.3	S
50,000 to 99,999 lb	10.0	10.3	12.3	14.8	16.4	16.3	18.6	24.7	24.9	25.6
100,000 lb or more	10.8	10.2	14.0	11.5	19.0	21.2	27.0	48.8	S	S
SCTG 03, Other agricultural products	**21.3**	**13.3**	**18.6**	**15.8**	**20.1**	**18.6**	**24.0**	**33.5**	**20.7**	**21.7**
Less than 50 lb	34.9	31.7	38.2	16.1	46.7	43.4	43.3	S	S	48.1
50 to 99 lb	29.4	21.8	23.2	29.7	29.5	24.7	22.0	S	S	S
100 to 499 lb	23.0	23.9	26.1	42.0	25.7	29.9	23.5	S	30.5	31.4
500 to 749 lb	28.0	30.3	31.9	26.9	40.4	40.3	33.1	40.6	31.2	30.9
750 to 999 lb	S	30.2	45.6	S	26.2	34.8	41.1	S	S	S
1,000 to 9,999 lb	25.1	24.0	31.6	22.8	26.6	24.9	23.0	39.5	36.1	36.1
10,000 to 49,999 lb	S	41.4	S	15.1	S	31.6	40.1	S	S	S
50,000 to 99,999 lb	12.6	12.6	13.6	7.3	15.5	15.4	17.8	23.8	23.5	24.3
100,000 lb or more	15.4	15.8	19.6	10.5	S	S	S	41.8	41.9	42.2
SCTG 04, Animal feed and products of animal origin, n.e.c.	**8.8**	**7.0**	**6.7**	**21.5**	**8.6**	**9.5**	**11.9**	**17.8**	**13.8**	**14.4**
Less than 50 lb	19.7	20.5	27.0	S	22.4	20.8	20.6	S	48.3	46.0
50 to 99 lb	13.1	16.7	17.8	S	16.3	17.8	24.6	S	S	S
100 to 499 lb	13.7	18.3	21.0	S	17.8	18.9	31.1	26.6	21.7	22.7
500 to 749 lb	16.8	21.3	23.1	39.9	20.4	21.9	29.9	47.4	32.0	32.8
750 to 999 lb	26.4	25.7	32.0	S	29.7	25.7	31.4	40.8	44.3	47.1
1,000 to 9,999 lb	13.5	14.3	23.7	13.1	14.2	15.3	16.4	25.8	27.1	27.3
10,000 to 49,999 lb	12.8	11.3	12.0	9.5	11.5	11.2	15.0	23.7	20.2	21.2
50,000 to 99,999 lb	10.0	11.7	17.9	10.2	14.5	22.2	17.1	17.6	18.2	17.3
100,000 lb or more	13.1	13.4	11.9	6.9	31.7	36.2	39.2	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**7.9**	**7.4**	**9.9**	**17.7**	**10.7**	**11.2**	**13.7**	**15.9**	**19.1**	**18.0**
Less than 50 lb	S	34.6	S	33.7	S	40.1	39.6	S	39.8	37.1
50 to 99 lb	S	37.1	26.2	38.6	S	44.0	44.7	33.8	38.2	40.7
100 to 499 lb	25.2	29.3	26.7	17.8	29.2	33.1	46.3	27.1	31.7	31.4
500 to 749 lb	24.3	34.6	23.8	S	35.6	30.2	43.1	45.0	49.9	48.7
750 to 999 lb	27.2	24.3	19.6	35.5	47.8	30.6	30.5	35.5	36.0	37.1
1,000 to 9,999 lb	12.1	9.6	11.4	9.1	18.4	20.2	21.2	23.8	22.9	23.5
10,000 to 49,999 lb	8.7	8.6	11.7	5.4	11.2	14.2	12.7	19.0	21.9	20.8
50,000 to 99,999 lb	26.2	23.7	41.7	16.6	41.7	S	S	46.8	42.4	41.8
100,000 lb or more	34.1	30.7	27.7	17.2	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**11.5**	**7.1**	**10.7**	**8.7**	**10.6**	**11.6**	**13.7**	**17.2**	**13.0**	**12.6**
Less than 50 lb	S	S	S	18.9	S	35.3	33.6	33.5	32.9	34.3
50 to 99 lb	23.7	25.9	24.2	S	34.5	35.3	26.5	37.0	44.9	45.6
100 to 499 lb	33.9	28.9	28.1	16.7	34.3	32.1	33.8	26.6	32.8	31.9
500 to 749 lb	30.5	22.8	23.0	18.5	30.5	27.9	29.9	29.0	25.5	25.1
750 to 999 lb	23.0	21.2	22.0	13.2	28.9	25.1	23.9	29.4	30.8	30.6
1,000 to 9,999 lb	16.0	18.4	16.1	13.4	18.1	24.9	29.6	20.6	26.4	25.3
10,000 to 49,999 lb	16.5	10.2	12.8	6.6	13.3	14.3	18.9	30.7	18.6	19.6
50,000 to 99,999 lb	19.2	19.9	21.0	17.3	40.6	40.4	41.7	47.0	50.0	S
100,000 lb or more	12.3	13.2	15.9	5.5	36.3	34.3	39.1	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 07, Other prepared foodstuffs and fats and oils	**6.7**	**8.3**	**9.3**	**16.3**	**12.1**	**13.0**	**13.0**	**13.4**	**17.7**	**17.7**
Less than 50 lb	29.5	19.1	42.9	21.6	34.4	21.2	19.1	41.5	33.4	33.1
50 to 99 lb	23.1	19.8	23.3	23.3	19.5	23.3	23.7	42.6	30.3	32.1
100 to 499 lb	12.0	16.4	14.8	16.8	16.1	18.5	20.4	25.7	20.7	20.9
500 to 749 lb	12.1	21.2	13.3	20.8	19.9	26.8	26.0	20.1	20.9	22.0
750 to 999 lb	17.1	23.4	18.3	22.8	26.4	27.1	33.7	24.5	41.3	38.2
1,000 to 9,999 lb	14.8	18.3	11.9	11.1	21.4	25.6	29.5	16.6	16.6	17.2
10,000 to 49,999 lb	6.7	10.0	5.9	8.5	12.0	12.4	15.2	19.7	24.8	25.0
50,000 to 99,999 lb	12.1	12.2	13.6	7.1	20.5	20.6	19.6	16.8	20.7	18.1
100,000 lb or more	11.4	12.5	15.0	5.3	43.4	35.2	43.5	S	S	S
SCTG 08, Alcoholic beverages	**12.3**	**15.1**	**20.3**	**7.2**	**9.9**	**8.6**	**8.8**	**24.4**	**31.8**	**34.2**
Less than 50 lb	21.4	18.2	14.2	16.7	24.8	20.3	20.5	27.0	32.5	31.5
50 to 99 lb	21.4	16.3	19.9	11.3	21.7	14.3	15.7	41.7	43.3	43.9
100 to 499 lb	9.4	10.5	10.5	7.3	9.8	11.0	12.9	27.8	25.6	26.2
500 to 749 lb	11.3	10.5	12.5	7.9	11.5	10.5	11.2	21.0	25.9	27.0
750 to 999 lb	9.5	11.6	11.5	10.8	10.4	12.7	12.4	20.8	19.5	19.8
1,000 to 9,999 lb	16.1	10.5	11.2	7.5	16.2	10.6	12.6	21.9	17.9	18.4
10,000 to 49,999 lb	29.4	32.7	35.2	18.8	24.4	28.6	29.3	S	S	S
50,000 to 99,999 lb	33.7	29.9	36.8	15.1	37.2	39.2	S	S	S	S
100,000 lb or more	34.3	24.3	31.0	16.7	S	S	S	–	–	–
SCTG 09, Tobacco products	**14.0**	**26.3**	**27.6**	**5.5**	**16.7**	**24.9**	**29.1**	**16.3**	**35.2**	**33.8**
Less than 50 lb	29.2	17.1	15.0	6.6	28.8	19.5	21.5	34.8	24.4	24.1
50 to 99 lb	27.4	16.4	23.6	14.8	19.8	19.9	21.4	24.4	24.4	23.9
100 to 499 lb	15.4	14.6	19.8	9.4	20.2	17.1	18.8	22.9	24.9	24.7
500 to 749 lb	25.8	31.4	38.1	13.8	29.5	35.9	31.9	38.6	49.3	49.6
750 to 999 lb	31.9	34.9	48.4	21.5	38.1	40.5	41.6	S	S	S
1,000 to 9,999 lb	27.5	34.0	34.3	14.0	S	41.7	S	47.7	40.7	40.8
10,000 to 49,999 lb	S	S	S	22.1	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**40.9**	**40.1**	**35.9**	**S**	**46.6**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	27.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	23.0	S	S	S	S	S	S
100 to 499 lb	49.3	46.2	S	20.8	S	S	S	–	–	–
500 to 749 lb	S	S	S	20.6	–	–	–	S	S	S
750 to 999 lb	S	S	S	41.0	S	S	S	S	S	S
1,000 to 9,999 lb	41.5	40.7	44.7	30.7	40.7	S	S	49.5	S	S
10,000 to 49,999 lb	45.0	44.3	43.3	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.1	S	S	S	–	–	–
100,000 lb or more	S	S	S	25.8	S	S	S	S	S	S
SCTG 11, Natural sands	**18.7**	**20.1**	**26.6**	**27.3**	**15.1**	**19.7**	**21.7**	**40.8**	**40.6**	**40.5**
Less than 50 lb	S	S	S	33.9	S	S	S	–	–	–
50 to 99 lb	S	S	S	21.7	S	S	S	–	–	–
100 to 499 lb	S	38.8	43.9	22.8	S	47.3	S	S	S	S
500 to 749 lb	S	S	S	21.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	22.0	39.5	S	28.2	23.7	22.4	S	S	S
10,000 to 49,999 lb	16.3	20.1	22.8	48.6	17.4	20.2	25.7	42.9	45.0	43.5
50,000 to 99,999 lb	25.5	30.3	36.0	13.8	24.5	28.1	28.4	40.3	48.4	46.1
100,000 lb or more	S	38.9	S	26.5	46.0	44.8	39.5	S	S	S
SCTG 12, Gravel and crushed stone	**9.5**	**11.0**	**24.4**	**23.5**	**11.5**	**13.4**	**16.1**	**21.4**	**26.3**	**27.2**
Less than 50 lb	S	S	S	21.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	21.5	S	S	S	–	–	–
100 to 499 lb	S	41.5	49.3	37.6	S	44.3	40.8	S	S	S
500 to 749 lb	S	33.7	S	34.9	S	38.3	47.7	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	41.4	25.9	25.5	15.8	32.8	26.5	26.7	S	43.4	42.9
10,000 to 49,999 lb	15.1	16.1	42.5	31.1	16.0	16.9	19.3	27.9	27.7	28.5
50,000 to 99,999 lb	10.7	11.3	16.6	14.1	10.4	11.8	14.2	30.2	39.3	36.2
100,000 lb or more	17.8	21.9	29.8	35.5	27.4	33.6	37.3	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**49.3**	**17.7**	**17.6**	**17.7**	**34.1**	**29.5**	**39.5**	**S**	**40.5**	**40.2**
Less than 50 lb	S	37.1	S	19.9	S	43.3	S	S	S	S
50 to 99 lb	S	38.3	48.8	S	S	39.6	S	S	S	S
100 to 499 lb	22.4	32.5	49.1	26.4	23.7	31.4	40.1	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	45.8	S	S	S	S	S	41.5	S	S	S
1,000 to 9,999 lb	32.6	41.0	44.8	S	44.2	44.2	S	43.1	31.8	30.7
10,000 to 49,999 lb	S	31.4	19.6	41.3	S	49.3	39.1	S	S	S
50,000 to 99,999 lb	S	25.6	22.4	11.3	S	40.9	S	S	34.5	35.0
100,000 lb or more	23.8	24.6	21.6	15.0	45.6	45.9	S	43.8	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	**17.2**	**19.8**	**26.3**	**16.5**	**29.8**	**43.4**	**S**	**28.9**	**43.8**	**43.2**
Less than 50 lb	S	S	47.8	26.3	S	S	S	–	–	–
50 to 99 lb	S	46.6	S	26.4	S	S	S	S	S	S
100 to 499 lb	39.8	S	S	24.5	S	S	S	–	–	–
500 to 749 lb	S	S	S	21.3	–	–	–	–	–	–
750 to 999 lb	S	S	S	22.0	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	26.9	S	S	S	S	S	S
10,000 to 49,999 lb	33.9	28.3	S	19.3	49.7	S	S	45.1	41.8	41.0
50,000 to 99,999 lb	S	S	S	20.2	49.7	47.1	S	S	S	S
100,000 lb or more	19.4	20.0	26.2	18.8	34.8	45.3	S	34.4	45.7	45.1
SCTG 15, Coal	**24.6**	**26.5**	**25.8**	**S**	**24.5**	**26.7**	**27.4**	**43.2**	**43.4**	**45.5**
Less than 50 lb	S	S	S	22.9	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	22.1	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.4	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	32.3	39.3	31.0	47.1	S	48.9	S	S	S	S
50,000 to 99,999 lb	37.3	34.7	35.1	18.5	46.4	47.1	46.1	43.2	42.6	44.6
100,000 lb or more	27.2	27.2	28.3	S	27.3	27.2	29.3	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**13.6**	**16.0**	**31.3**	**17.7**	**12.1**	**15.6**	**17.3**	**20.5**	**23.2**	**24.3**
Less than 50 lb	40.6	45.9	S	S	40.3	45.9	S	–	–	–
50 to 99 lb	47.0	46.3	S	15.7	46.3	45.8	S	S	S	S
100 to 499 lb	S	24.6	30.6	11.3	S	24.7	31.6	S	S	S
500 to 749 lb	32.3	25.4	26.3	13.7	32.8	25.5	26.3	S	S	S
750 to 999 lb	S	42.6	49.4	29.2	S	43.1	S	S	S	S
1,000 to 9,999 lb	17.8	18.5	17.1	11.5	18.0	19.1	20.2	37.0	37.0	39.8
10,000 to 49,999 lb	17.7	20.3	32.3	9.7	17.7	21.2	20.4	25.5	27.4	29.9
50,000 to 99,999 lb	20.8	21.2	27.2	12.1	19.8	20.2	24.6	24.5	26.1	27.3
100,000 lb or more	37.4	39.3	47.7	20.6	38.2	42.7	S	–	–	–
SCTG 18, Fuel oils	**12.5**	**14.1**	**S**	**19.2**	**13.9**	**15.2**	**13.8**	**21.3**	**18.2**	**24.7**
Less than 50 lb	S	S	S	29.2	S	S	S	S	S	S
50 to 99 lb	48.7	S	S	17.1	46.8	47.2	S	S	S	S
100 to 499 lb	26.5	24.9	35.8	16.1	26.6	24.4	28.8	S	S	S
500 to 749 lb	31.3	28.4	24.4	9.6	31.3	28.4	24.4	–	–	–
750 to 999 lb	40.0	45.1	28.3	14.3	40.5	45.2	28.8	S	S	S
1,000 to 9,999 lb	25.0	27.7	24.1	8.9	25.7	28.1	26.8	S	41.1	37.1
10,000 to 49,999 lb	20.0	20.4	18.0	16.3	24.3	24.7	20.6	30.3	26.9	25.5
50,000 to 99,999 lb	14.7	15.6	21.9	12.8	17.6	18.5	22.3	20.9	22.2	22.1
100,000 lb or more	40.4	44.8	S	20.0	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**17.7**	**18.2**	**27.7**	**16.9**	**16.9**	**18.0**	**17.4**	**43.0**	**33.1**	**29.5**
Less than 50 lb	21.9	21.2	34.1	35.7	23.3	24.7	23.7	39.0	S	47.4
50 to 99 lb	14.7	16.9	26.5	17.6	17.5	18.8	37.0	33.6	35.5	32.5
100 to 499 lb	20.8	18.0	22.6	14.2	20.6	17.9	23.0	28.2	28.9	28.8
500 to 749 lb	34.3	36.3	S	S	42.8	41.1	32.5	S	44.0	46.3
750 to 999 lb	28.0	34.8	24.1	41.4	30.8	36.5	26.6	49.3	40.6	37.6
1,000 to 9,999 lb	22.4	19.2	25.5	23.5	23.1	18.4	18.9	38.0	38.0	39.3
10,000 to 49,999 lb	21.5	23.8	33.5	18.8	20.5	30.0	28.0	25.9	27.5	29.1
50,000 to 99,999 lb	35.5	31.1	31.3	15.8	S	S	31.7	S	S	S
100,000 lb or more	40.9	33.5	34.2	24.8	49.1	S	S	S	47.6	47.5
SCTG 20, Basic chemicals	**11.3**	**23.5**	**29.2**	**22.8**	**17.1**	**18.2**	**16.7**	**15.8**	**28.8**	**31.4**
Less than 50 lb	34.2	26.5	41.1	17.7	32.1	41.1	S	S	27.6	27.0
50 to 99 lb	33.2	34.1	28.7	35.3	48.0	37.8	43.4	43.1	36.6	37.8
100 to 499 lb	20.6	43.3	45.3	49.7	29.8	43.0	44.8	40.6	S	S
500 to 749 lb	31.6	S	27.9	S	S	S	44.7	40.8	S	S
750 to 999 lb	40.5	S	26.4	S	34.0	S	S	S	26.4	32.5
1,000 to 9,999 lb	19.8	18.9	15.7	19.6	25.2	27.4	22.0	26.2	13.0	14.2
10,000 to 49,999 lb	15.3	14.0	16.7	17.9	27.6	22.9	23.8	29.9	27.6	31.2
50,000 to 99,999 lb	36.3	38.0	49.2	18.5	30.4	39.2	S	S	S	S
100,000 lb or more	33.2	34.8	36.0	14.1	49.8	49.8	49.8	S	S	S
SCTG 21, Pharmaceutical products	**10.6**	**18.9**	**30.6**	**7.6**	**13.2**	**20.3**	**17.6**	**14.9**	**28.5**	**27.5**
Less than 50 lb	16.2	16.9	17.8	8.8	16.4	21.7	22.1	12.5	20.5	20.8
50 to 99 lb	17.9	12.0	18.9	10.3	26.4	28.7	26.4	31.5	20.4	20.7
100 to 499 lb	14.6	14.2	16.8	15.5	28.7	35.2	33.3	24.2	20.5	20.7
500 to 749 lb	25.4	19.2	20.1	17.6	S	49.2	S	46.1	32.8	31.8
750 to 999 lb	32.2	25.9	35.1	20.2	S	38.2	S	S	S	S
1,000 to 9,999 lb	23.4	23.5	20.5	16.6	30.6	26.1	24.0	S	S	S
10,000 to 49,999 lb	21.3	39.8	46.6	11.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	46.8	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**17.1**	**14.0**	**9.2**	**24.7**	**24.3**	**21.3**	**19.1**	**20.4**	**20.9**	**18.5**
Less than 50 lb	45.0	45.3	49.8	19.1	S	S	S	S	S	S
50 to 99 lb	44.1	31.3	39.5	S	46.2	37.0	44.8	S	S	S
100 to 499 lb	37.8	33.7	31.8	43.8	44.3	35.6	42.4	43.2	35.6	35.7
500 to 749 lb	33.5	28.7	45.3	38.6	40.0	34.8	35.6	S	S	S
750 to 999 lb	S	46.1	45.9	S	S	47.5	S	S	49.4	S
1,000 to 9,999 lb	26.8	27.6	20.0	44.3	29.5	28.2	27.0	42.1	36.9	36.2
10,000 to 49,999 lb	17.9	17.6	15.6	20.4	23.4	22.0	22.0	14.8	15.4	14.2
50,000 to 99,999 lb	18.9	18.2	17.1	13.7	23.9	20.7	23.7	37.2	34.3	30.6
100,000 lb or more	33.7	22.9	13.8	15.2	S	S	47.7	43.8	40.3	44.2
SCTG 23, Chemical products and preparations, n.e.c.	**11.0**	**11.4**	**14.0**	**13.6**	**16.4**	**25.5**	**26.1**	**20.0**	**17.1**	**18.3**
Less than 50 lb	15.6	17.4	21.3	16.8	16.7	17.2	23.5	26.6	45.5	45.0
50 to 99 lb	14.4	10.3	19.4	18.1	17.3	14.3	19.5	19.5	20.9	21.6
100 to 499 lb	12.2	9.8	22.3	15.4	17.3	11.3	13.3	15.1	15.5	14.9
500 to 749 lb	13.6	14.7	27.5	18.1	24.2	15.5	15.5	36.1	20.8	20.4
750 to 999 lb	18.8	20.5	20.3	18.4	31.9	33.4	23.6	35.3	36.5	34.6
1,000 to 9,999 lb	14.9	14.7	17.6	6.5	25.6	21.6	25.9	27.8	22.5	23.9
10,000 to 49,999 lb	15.4	12.9	15.2	11.7	24.5	30.3	31.3	22.9	20.6	21.2
50,000 to 99,999 lb	49.0	S	S	20.4	S	45.7	44.9	S	S	S
100,000 lb or more	S	46.0	46.5	19.8	S	S	S	–	–	–
SCTG 24, Plastics and rubber	**5.6**	**11.1**	**12.9**	**10.5**	**12.7**	**23.9**	**17.4**	**11.7**	**13.9**	**12.0**
Less than 50 lb	11.0	15.2	31.2	10.8	21.8	11.1	11.1	15.4	14.8	15.1
50 to 99 lb	10.6	12.2	9.7	12.0	16.1	15.6	15.0	23.6	20.7	19.8
100 to 499 lb	8.0	11.7	10.6	9.4	15.6	17.8	20.1	14.2	16.5	17.8
500 to 749 lb	10.4	9.3	13.8	10.1	19.7	19.7	21.5	18.0	18.7	19.6
750 to 999 lb	15.3	12.6	17.4	10.0	26.3	33.3	29.2	25.0	20.5	18.5
1,000 to 9,999 lb	10.2	19.0	13.9	7.9	24.8	37.8	27.6	20.8	21.0	19.3
10,000 to 49,999 lb	11.1	17.1	17.7	5.1	23.2	20.3	21.5	26.9	28.3	25.0
50,000 to 99,999 lb	S	S	S	20.4	–	–	–	–	–	–
100,000 lb or more	43.3	43.3	44.4	21.5	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**29.4**	**S**	**S**	**S**	**35.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	23.5	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	21.6	S	S	S	–	–	–
500 to 749 lb	S	S	S	23.8	S	S	S	S	S	S
750 to 999 lb	S	S	S	38.6	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	28.5	S	46.8	26.0	47.0	S	S	31.6	S	S
50,000 to 99,999 lb	S	S	S	40.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	26.9	S	S	S	S	S	S
SCTG 26, Wood products	**10.8**	**11.1**	**18.6**	**14.0**	**12.2**	**15.1**	**17.8**	**17.3**	**20.3**	**19.7**
Less than 50 lb	23.7	21.0	31.2	15.1	14.8	13.7	15.2	21.5	20.5	25.3
50 to 99 lb	14.9	43.2	S	19.3	14.7	13.4	20.8	18.9	19.3	19.7
100 to 499 lb	15.3	12.5	18.8	17.6	20.9	15.6	18.4	13.1	11.9	11.7
500 to 749 lb	14.1	14.7	25.9	23.7	15.9	12.6	13.3	33.4	37.4	34.7
750 to 999 lb	14.9	21.6	25.6	27.9	20.9	25.5	47.4	35.7	43.0	40.9
1,000 to 9,999 lb	11.5	15.5	13.0	12.9	11.5	22.4	20.9	16.5	18.0	18.0
10,000 to 49,999 lb	15.4	13.8	26.9	15.2	18.9	21.0	22.8	22.6	24.6	23.9
50,000 to 99,999 lb	23.6	21.3	17.0	24.7	30.8	28.6	31.0	47.3	48.4	46.6
100,000 lb or more	20.5	20.3	19.6	11.7	45.5	39.9	34.4	42.5	41.0	42.0
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.9**	**15.0**	**15.5**	**17.5**	**16.8**	**23.3**	**21.6**	**27.4**	**39.2**	**41.7**
Less than 50 lb	19.4	14.5	14.7	15.4	27.8	15.0	16.9	32.0	21.1	19.9
50 to 99 lb	25.1	12.2	17.5	43.9	33.6	12.7	14.9	32.9	38.0	38.9
100 to 499 lb	18.6	15.7	23.4	36.9	16.6	15.4	15.7	41.9	32.0	33.1
500 to 749 lb	26.4	23.0	26.2	49.9	27.1	24.1	22.8	34.3	32.3	38.7
750 to 999 lb	39.2	27.7	45.3	30.2	38.6	18.6	20.6	46.5	S	S
1,000 to 9,999 lb	20.4	22.4	22.6	38.2	22.4	18.0	14.3	17.5	S	S
10,000 to 49,999 lb	19.2	25.2	14.9	20.7	35.9	42.8	39.2	S	S	S
50,000 to 99,999 lb	S	44.2	S	19.6	S	S	S	–	–	–
100,000 lb or more	28.9	25.3	27.2	16.0	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	**11.7**	**9.8**	**17.4**	**12.1**	**22.3**	**13.4**	**17.3**	**18.0**	**16.5**	**16.2**
Less than 50 lb	32.2	14.3	23.5	10.0	13.7	10.7	15.4	25.5	17.6	17.3
50 to 99 lb	13.1	15.6	S	24.2	14.0	18.8	19.3	31.6	37.5	36.4
100 to 499 lb	12.4	11.3	19.6	24.4	14.3	15.5	15.2	23.0	22.0	20.1
500 to 749 lb	16.3	12.9	26.8	19.4	21.4	18.3	18.1	26.2	19.4	20.1
750 to 999 lb	17.9	14.1	45.7	21.8	14.2	14.1	16.0	31.8	27.7	27.3
1,000 to 9,999 lb	21.9	12.9	38.0	14.2	32.7	12.3	16.6	30.4	19.1	18.1
10,000 to 49,999 lb	14.5	11.6	13.1	8.5	23.1	19.4	22.9	21.5	20.6	21.0
50,000 to 99,999 lb	29.9	33.8	S	24.7	45.8	S	S	S	S	S
100,000 lb or more	S	S	S	21.8	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**5.7**	**10.2**	**14.6**	**7.6**	**11.4**	**14.0**	**16.0**	**13.4**	**13.2**	**12.6**
Less than 50 lb	14.9	27.6	S	7.6	17.5	23.1	20.9	45.0	16.8	17.0
50 to 99 lb	22.1	24.5	19.1	15.9	14.8	24.9	40.1	23.2	39.8	40.7
100 to 499 lb	12.8	11.8	11.8	10.6	15.8	20.9	19.9	12.4	20.2	19.2
500 to 749 lb	27.7	15.1	14.0	12.0	34.2	20.5	22.7	39.0	45.1	46.8
750 to 999 lb	16.5	18.4	22.6	12.9	16.8	23.5	27.7	29.9	43.2	35.1
1,000 to 9,999 lb	8.3	7.7	12.5	12.8	17.9	15.9	14.4	17.9	20.1	19.1
10,000 to 49,999 lb	10.9	17.4	15.7	7.5	22.7	31.6	30.6	26.7	22.9	21.8
50,000 to 99,999 lb	45.0	45.3	S	28.1	S	S	44.7	S	S	S
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**21.3**	**26.9**	**38.9**	**6.1**	**30.5**	**20.8**	**21.8**	**12.0**	**24.9**	**24.9**
Less than 50 lb	17.8	19.9	23.7	6.2	19.7	19.4	18.4	25.7	24.0	26.9
50 to 99 lb	28.3	25.7	38.2	8.0	23.1	26.2	25.6	32.5	27.6	27.7
100 to 499 lb	32.4	18.8	23.6	9.3	29.9	27.3	48.9	S	42.1	45.6
500 to 749 lb	24.2	12.8	16.0	8.7	29.3	28.0	29.1	43.1	26.4	26.0
750 to 999 lb	34.1	20.1	24.3	12.8	27.2	31.0	27.3	27.5	35.1	37.8
1,000 to 9,999 lb	26.0	23.7	15.6	11.2	20.4	28.3	23.7	23.3	21.4	22.8
10,000 to 49,999 lb	S	S	S	9.7	S	37.8	35.2	39.2	45.2	45.4
50,000 to 99,999 lb	49.2	S	S	22.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	26.9	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**6.1**	**9.3**	**24.2**	**14.5**	**7.6**	**13.2**	**13.7**	**12.3**	**13.5**	**13.7**
Less than 50 lb	17.1	41.0	S	12.2	17.7	17.3	24.7	24.7	21.5	23.0
50 to 99 lb	19.9	15.4	29.9	24.0	21.8	19.1	18.4	S	41.1	38.8
100 to 499 lb	18.6	17.2	22.1	18.2	23.3	23.9	15.5	27.1	20.9	22.1
500 to 749 lb	15.0	16.6	16.3	35.8	19.6	21.3	22.9	35.2	28.9	34.3
750 to 999 lb	20.7	23.9	20.1	46.1	28.4	30.2	29.9	45.9	32.5	30.0
1,000 to 9,999 lb	12.1	18.6	12.4	19.7	22.5	21.7	19.4	17.1	21.9	21.9
10,000 to 49,999 lb	8.1	10.0	22.4	23.9	8.4	12.4	16.7	19.5	24.3	24.0
50,000 to 99,999 lb	13.0	14.6	18.7	7.6	19.6	20.3	25.0	13.9	14.6	14.5
100,000 lb or more	26.6	29.3	45.9	18.3	45.1	S	41.0	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**8.4**	**12.8**	**33.6**	**15.7**	**12.5**	**17.3**	**17.5**	**12.9**	**16.4**	**17.8**
Less than 50 lb	27.0	15.6	31.6	16.4	26.4	20.1	15.5	24.9	30.1	29.9
50 to 99 lb	18.5	22.7	18.4	16.1	18.6	24.1	33.3	28.5	36.7	38.1
100 to 499 lb	14.1	18.8	12.1	14.6	18.3	19.5	14.4	32.0	46.5	46.1
500 to 749 lb	19.5	26.4	18.1	15.2	21.0	31.6	27.7	S	S	S
750 to 999 lb	15.7	23.2	13.4	18.1	23.0	25.0	38.4	37.2	49.5	47.5
1,000 to 9,999 lb	16.1	25.3	15.5	11.3	22.9	31.0	41.5	23.7	33.0	32.1
10,000 to 49,999 lb	10.2	11.8	11.2	8.9	10.2	25.2	15.7	15.1	15.1	15.4
50,000 to 99,999 lb	23.5	18.9	33.3	25.5	27.7	30.6	S	32.3	35.5	36.3
100,000 lb or more	25.3	47.4	S	14.8	43.4	41.9	41.3	S	S	S
SCTG 33, Articles of base metal	**7.4**	**43.7**	**S**	**11.4**	**10.1**	**27.0**	**43.4**	**12.4**	**18.1**	**17.5**
Less than 50 lb	12.9	19.2	37.1	13.0	16.0	12.4	14.3	25.1	18.4	17.6
50 to 99 lb	16.9	10.5	13.5	9.1	20.8	14.0	13.8	23.9	19.8	19.0
100 to 499 lb	11.1	12.6	8.5	8.4	16.9	18.5	18.0	19.8	22.5	23.7
500 to 749 lb	26.2	15.6	14.8	12.9	17.9	22.2	31.3	24.5	26.9	28.2
750 to 999 lb	18.0	29.1	27.3	12.8	32.0	41.7	47.6	34.7	47.5	43.7
1,000 to 9,999 lb	11.3	18.8	15.0	7.4	12.8	22.3	19.2	28.3	18.8	18.4
10,000 to 49,999 lb	10.4	S	S	7.8	27.1	43.7	S	24.9	25.9	26.1
50,000 to 99,999 lb	33.2	33.8	34.9	22.4	45.1	S	S	S	S	S
100,000 lb or more	29.8	S	S	18.1	47.2	S	S	S	S	S
SCTG 34, Machinery	**4.2**	**4.5**	**6.1**	**7.9**	**6.0**	**8.6**	**7.7**	**8.1**	**9.7**	**9.6**
Less than 50 lb	11.7	14.2	15.0	9.2	17.5	19.5	24.4	18.9	23.1	21.8
50 to 99 lb	11.6	11.1	12.3	11.8	27.1	21.8	23.4	19.9	22.0	22.2
100 to 499 lb	7.3	8.1	13.9	7.9	12.2	14.9	16.1	29.6	14.0	14.6
500 to 749 lb	11.0	11.3	12.3	11.5	24.1	29.4	38.9	16.0	16.0	16.2
750 to 999 lb	12.1	10.2	16.1	7.6	25.7	28.5	39.9	31.0	25.5	24.7
1,000 to 9,999 lb	6.9	7.5	9.7	6.0	12.9	16.1	11.2	12.5	16.5	17.6
10,000 to 49,999 lb	4.2	5.0	6.8	4.4	12.4	11.8	13.7	18.3	18.7	17.5
50,000 to 99,999 lb	33.7	30.2	37.2	22.8	S	47.3	S	S	S	S
100,000 lb or more	S	40.6	41.9	19.8	–	–	–	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10.0**	**6.6**	**9.7**	**6.0**	**8.3**	**14.9**	**18.8**	**12.6**	**15.9**	**15.5**
Less than 50 lb	9.3	11.7	18.1	6.7	12.2	14.5	17.6	18.1	12.9	13.7
50 to 99 lb	15.3	16.5	27.5	15.3	15.0	25.0	31.2	15.9	18.2	16.6
100 to 499 lb	24.1	21.9	24.2	10.2	12.2	27.7	34.1	20.8	17.1	16.1
500 to 749 lb	17.0	16.2	22.6	9.5	23.5	21.2	28.0	S	33.0	31.5
750 to 999 lb	17.2	15.9	27.7	9.8	38.0	21.3	20.1	S	40.3	39.0
1,000 to 9,999 lb	21.0	14.3	23.7	7.0	23.2	24.1	26.3	36.0	24.3	26.3
10,000 to 49,999 lb	9.5	12.6	13.0	4.7	31.8	29.6	39.4	33.9	30.2	32.7
50,000 to 99,999 lb	S	47.4	S	22.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.2	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**15.4**	**12.1**	**17.3**	**13.6**	**9.6**	**13.9**	**13.0**	**12.4**	**13.2**	**14.2**
Less than 50 lb	12.3	14.2	30.1	16.2	19.1	17.1	15.9	33.1	11.7	12.2
50 to 99 lb	21.8	17.5	26.1	12.4	19.8	16.2	13.6	23.5	19.6	20.3
100 to 499 lb	28.9	13.8	11.5	8.1	15.6	12.7	13.8	18.6	13.7	16.8
500 to 749 lb	24.0	13.7	23.6	11.4	24.9	20.4	20.5	S	30.8	32.3
750 to 999 lb	27.3	20.5	18.6	14.6	S	48.4	S	40.9	31.5	44.8
1,000 to 9,999 lb	15.3	14.7	25.1	8.8	15.9	21.2	22.1	15.1	15.4	28.8
10,000 to 49,999 lb	19.0	11.7	15.7	6.3	15.3	16.6	13.8	23.6	23.9	24.9
50,000 to 99,999 lb	S	38.1	49.2	16.1	46.3	S	S	S	S	S
100,000 lb or more	49.9	49.6	S	29.2	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**28.5**	**19.9**	**37.4**	**6.2**	**47.5**	**31.8**	**30.3**	**33.6**	**33.9**	**32.8**
Less than 50 lb	32.2	36.3	47.9	7.6	31.5	30.4	41.4	S	S	S
50 to 99 lb	24.4	32.2	38.6	10.6	S	36.8	41.8	S	S	S
100 to 499 lb	35.5	27.9	33.5	10.8	S	S	S	S	S	S
500 to 749 lb	40.1	41.2	41.7	12.6	S	S	S	–	–	–
750 to 999 lb	S	31.7	39.6	13.0	49.7	S	S	–	–	–
1,000 to 9,999 lb	46.7	33.6	49.4	7.1	47.5	40.9	40.1	43.2	32.8	31.2
10,000 to 49,999 lb	33.6	26.4	42.8	11.3	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	–	–	–
100,000 lb or more	S	48.6	S	20.7	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**9.6**	**13.3**	**15.4**	**7.8**	**23.2**	**30.5**	**34.2**	**20.5**	**41.7**	**37.1**
Less than 50 lb	11.9	27.4	27.0	7.6	24.3	46.4	33.3	31.8	23.0	22.9
50 to 99 lb	18.9	29.5	47.2	14.2	32.6	46.8	S	34.4	30.0	37.8
100 to 499 lb	21.4	24.5	30.3	16.1	S	S	49.3	32.0	44.6	38.2
500 to 749 lb	22.2	18.9	14.9	23.9	38.1	28.6	36.2	S	46.6	47.6
750 to 999 lb	32.9	20.4	21.9	12.7	S	37.7	40.1	S	S	S
1,000 to 9,999 lb	17.9	16.1	21.9	15.6	26.8	22.9	32.9	42.2	47.0	47.6
10,000 to 49,999 lb	21.6	18.4	20.9	10.2	S	S	S	S	S	S
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	**8.5**	**12.8**	**17.3**	**9.4**	**12.5**	**30.5**	**35.3**	**25.3**	**21.2**	**20.4**
Less than 50 lb	22.2	33.5	38.4	10.1	21.2	16.4	16.2	48.3	38.6	34.9
50 to 99 lb	22.2	36.0	43.1	10.9	20.7	16.3	19.3	25.9	21.5	21.1
100 to 499 lb	20.6	12.5	8.8	10.6	30.8	22.8	25.0	S	40.0	42.0
500 to 749 lb	15.0	11.9	12.8	11.6	32.8	26.5	27.4	32.4	27.8	30.1
750 to 999 lb	9.4	8.7	14.3	9.0	17.3	13.7	19.8	36.9	37.0	37.5
1,000 to 9,999 lb	10.1	9.9	11.8	5.5	16.1	19.8	16.6	19.8	20.3	20.9
10,000 to 49,999 lb	16.2	23.3	34.3	10.4	35.1	42.5	32.1	47.8	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	23.0	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**6.7**	**10.5**	**13.2**	**6.2**	**8.6**	**21.1**	**20.2**	**17.4**	**15.6**	**15.2**
Less than 50 lb	12.6	14.1	19.2	6.2	12.2	16.1	13.8	23.0	25.1	25.2
50 to 99 lb	9.8	10.5	16.4	10.0	21.4	26.2	24.2	22.4	23.8	23.1
100 to 499 lb	7.9	9.0	9.5	8.1	15.1	16.4	21.6	30.1	29.5	30.5
500 to 749 lb	S	11.4	12.5	8.1	17.6	28.9	20.7	34.8	29.7	33.3
750 to 999 lb	12.1	13.7	18.5	7.2	30.7	25.6	30.3	37.0	33.1	32.3
1,000 to 9,999 lb	11.0	10.3	11.0	9.0	18.6	22.1	25.6	25.6	15.6	15.0
10,000 to 49,999 lb	15.6	15.2	21.6	7.3	34.0	30.2	27.8	37.6	20.9	18.5
50,000 to 99,999 lb	13.0	27.9	17.9	18.8	S	S	S	28.5	S	S
100,000 lb or more	44.8	S	22.7	31.0	S	S	S	S	S	S
SCTG 41, Waste and scrap	**12.9**	**25.0**	**21.4**	**22.4**	**20.0**	**32.0**	**29.8**	**23.5**	**35.6**	**35.4**
Less than 50 lb	S	S	S	21.4	S	S	S	S	S	S
50 to 99 lb	S	S	S	24.3	S	S	S	–	–	–
100 to 499 lb	S	S	S	21.3	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	S	S	S	S	–	–	–
1,000 to 9,999 lb	39.9	S	S	46.4	43.4	S	S	S	48.2	S
10,000 to 49,999 lb	15.9	29.5	19.9	32.3	26.8	45.0	38.1	22.6	34.8	36.8
50,000 to 99,999 lb	46.2	S	S	49.8	S	S	S	39.6	S	S
100,000 lb or more	17.5	17.0	21.7	8.6	27.0	26.3	33.0	49.6	47.3	45.0
SCTG 43, Mixed freight	**15.1**	**31.3**	**S**	**15.2**	**15.1**	**16.9**	**16.4**	**16.3**	**16.5**	**17.8**
Less than 50 lb	24.9	23.9	45.9	16.4	23.4	19.1	21.0	23.6	23.7	23.4
50 to 99 lb	22.1	27.3	34.4	26.8	23.5	27.6	31.7	26.4	33.4	30.2
100 to 499 lb	25.6	36.6	22.1	30.3	33.9	S	40.7	19.9	24.6	23.8
500 to 749 lb	22.7	27.0	24.1	20.9	32.9	47.4	31.7	33.3	22.2	20.0
750 to 999 lb	24.4	19.3	41.4	22.3	31.6	27.4	23.1	30.5	28.1	28.0
1,000 to 9,999 lb	15.6	18.1	21.2	17.5	17.5	19.4	16.1	20.4	16.9	16.9
10,000 to 49,999 lb	24.4	21.8	22.7	8.7	23.7	21.3	22.0	25.9	22.8	24.7
50,000 to 99,999 lb	37.6	35.4	S	42.4	S	S	47.6	S	S	S
100,000 lb or more	S	S	S	21.5	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**19.0**	**46.8**	**S**	**14.8**	**24.8**	**42.1**	**S**	**49.0**	**S**	**S**
Less than 50 lb	38.1	28.3	43.6	15.2	47.8	34.8	32.1	S	S	S
50 to 99 lb	S	30.5	43.7	33.2	S	S	42.7	S	S	S
100 to 499 lb	33.8	29.7	35.6	25.5	36.3	41.5	39.3	37.1	36.4	41.0
500 to 749 lb	32.6	43.7	37.3	S	S	48.6	S	S	S	S
750 to 999 lb	29.3	38.2	27.8	S	S	S	S	S	S	S
1,000 to 9,999 lb	23.8	36.3	27.9	37.6	36.5	S	29.4	S	47.8	46.2
10,000 to 49,999 lb	29.4	30.1	45.5	30.2	36.7	43.6	38.7	S	S	S
50,000 to 99,999 lb	S	S	S	21.2	S	S	S	S	S	S
100,000 lb or more	S	S	S	20.2	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**3.1**	**6.0**	**7.2**	**3.1**	**9.1**	**11.1**	**3.8**	**9.5**	**10.6**	**5.8**	**13.0**	**12.4**
Less than 50 lb	7.1	6.0	6.1	5.4	10.1	10.5	8.1	14.3	14.4	8.2	20.5	19.7
50 to 99 lb	10.3	6.5	7.2	8.8	9.2	8.9	12.6	6.9	6.7	12.4	20.3	18.6
100 to 499 lb	6.7	6.5	6.5	13.8	6.3	6.7	15.3	6.9	7.2	12.3	6.3	6.4
500 to 749 lb	23.9	5.5	5.5	13.2	5.0	5.7	25.8	7.9	8.3	12.5	11.4	11.8
750 to 999 lb	13.6	7.2	7.8	8.8	5.8	5.7	10.1	9.3	9.3	18.7	10.4	10.5
1,000 to 9,999 lb	4.8	5.9	5.9	3.9	3.7	3.9	4.4	4.4	4.3	17.5	6.0	6.1
10,000 to 49,999 lb	5.6	4.7	4.3	4.4	3.9	3.8	5.9	6.2	6.1	5.3	21.1	22.0
50,000 to 99,999 lb	9.3	8.4	9.5	28.7	14.5	13.4	38.7	24.4	24.1	S	24.1	25.1
100,000 lb or more	12.5	14.4	15.2	13.0	16.6	17.8	9.9	14.5	15.1	14.1	17.5	16.0
SCTG 01, Live animals and live fish	**39.2**	**38.8**	**34.6**	**44.9**	**34.4**	**36.7**	**S**	**37.5**	**37.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	45.5	37.9	42.2	41.2	40.2	38.5	38.6	38.5	S	S	S
50,000 to 99,999 lb	45.1	46.0	47.9	40.9	33.2	35.8	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**15.9**	**15.5**	**17.2**	**20.3**	**19.0**	**18.0**	**25.6**	**25.9**	**27.5**	**24.4**	**25.0**	**22.8**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	48.0	48.7	–	–	–	S	S	S
100 to 499 lb	S	44.1	39.6	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	33.1	32.3	47.9	35.5	35.7	S	S	S	S	S	S
10,000 to 49,999 lb	18.8	17.0	18.8	34.7	48.8	S	48.9	35.5	36.0	44.3	44.9	42.8
50,000 to 99,999 lb	16.7	18.0	22.3	26.7	26.6	26.2	S	S	S	S	S	S
100,000 lb or more	22.5	21.5	22.7	24.2	22.7	20.4	27.4	27.6	29.2	27.6	25.4	23.2
SCTG 03, Other agricultural products	**36.9**	**30.8**	**31.8**	**24.0**	**34.1**	**44.5**	**29.1**	**35.4**	**35.3**	**17.4**	**19.8**	**20.2**
Less than 50 lb	24.0	20.1	18.7	S	S	S	S	48.1	49.7	S	47.9	47.0
50 to 99 lb	S	37.1	39.9	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.9	43.0	45.3	S	41.1	41.9	S	S	S	S	S	S
500 to 749 lb	35.5	40.2	41.5	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	36.5	38.9	39.4	34.2	42.0	41.8	44.6	S	S	S	S	S
10,000 to 49,999 lb	S	47.0	45.7	32.7	25.6	26.9	36.1	S	S	33.0	34.8	34.8
50,000 to 99,999 lb	29.1	29.6	31.4	30.4	33.1	29.6	48.3	50.0	48.4	S	S	S
100,000 lb or more	45.4	45.1	46.0	47.5	49.2	S	35.8	36.9	36.7	20.6	21.2	21.4
SCTG 04, Animal feed and products of animal origin, n.e.c.	**12.4**	**12.1**	**12.3**	**12.8**	**14.0**	**13.4**	**14.8**	**16.3**	**17.3**	**17.6**	**13.2**	**13.6**
Less than 50 lb	40.3	44.1	47.9	S	44.2	47.0	43.9	45.3	44.4	S	S	49.8
50 to 99 lb	S	S	S	39.2	41.3	41.8	43.8	S	S	S	42.8	41.9
100 to 499 lb	36.7	39.3	36.1	S	31.8	30.7	40.7	S	S	32.2	S	S
500 to 749 lb	30.9	33.9	32.8	S	S	S	42.1	36.3	37.3	S	S	S
750 to 999 lb	41.9	33.6	36.2	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	26.5	24.2	24.8	37.0	41.0	41.3	40.0	S	S	26.8	48.9	47.7
10,000 to 49,999 lb	17.8	19.2	19.0	16.6	14.1	13.9	18.3	24.8	26.4	22.2	18.1	17.5
50,000 to 99,999 lb	13.3	12.9	14.0	22.9	29.8	27.7	39.1	42.1	43.9	46.4	S	S
100,000 lb or more	25.2	22.5	23.7	21.8	20.3	20.7	17.7	16.4	17.3	21.8	18.8	19.3
SCTG 05, Meat, fish, seafood, and their preparations	**7.9**	**6.6**	**6.8**	**10.2**	**10.9**	**11.2**	**11.4**	**11.8**	**11.8**	**10.5**	**11.0**	**11.0**
Less than 50 lb	33.1	36.3	38.9	38.6	38.9	39.3	S	S	S	S	S	S
50 to 99 lb	41.3	34.3	33.8	S	S	S	S	S	S	49.9	S	S
100 to 499 lb	26.2	25.1	28.2	42.6	S	47.2	29.3	28.8	28.7	S	S	S
500 to 749 lb	40.0	45.4	43.1	S	S	S	S	S	S	48.2	S	49.4
750 to 999 lb	43.3	36.1	37.5	36.0	36.7	38.9	S	44.6	43.8	S	S	S
1,000 to 9,999 lb	14.9	12.2	11.8	17.1	15.4	14.4	13.4	11.4	11.2	20.6	17.5	17.7
10,000 to 49,999 lb	7.9	6.9	7.2	10.8	12.0	12.5	12.9	13.6	13.8	11.6	12.0	12.2
50,000 to 99,999 lb	43.3	40.8	37.4	S	S	49.1	46.1	S	S	S	S	S
100,000 lb or more	S	S	S	S	39.8	38.2	39.9	43.4	43.1	43.3	46.0	47.1
SCTG 06, Milled grain products and preparations, and bakery products	**12.3**	**10.0**	**10.7**	**15.1**	**8.8**	**9.2**	**16.7**	**19.9**	**23.1**	**25.3**	**13.3**	**13.1**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	40.4	38.7	36.9	46.2	47.7	46.5	41.7	42.9	44.3	44.9	43.6	43.7
100 to 499 lb	S	41.5	43.0	40.5	44.3	43.5	30.3	32.9	32.6	45.3	S	S
500 to 749 lb	S	32.5	31.3	45.6	45.5	46.1	S	S	S	S	S	S
750 to 999 lb	39.2	33.4	33.3	39.0	46.1	38.4	S	S	S	S	S	S
1,000 to 9,999 lb	19.4	20.9	21.2	28.6	22.2	23.0	33.9	26.0	26.0	44.1	31.3	32.4
10,000 to 49,999 lb	17.5	16.4	14.7	15.2	14.8	15.8	22.3	14.8	14.8	34.5	22.4	21.4
50,000 to 99,999 lb	16.8	16.5	18.2	37.5	42.3	42.0	S	S	S	S	S	49.6
100,000 lb or more	24.5	21.3	24.0	13.5	11.7	12.5	27.4	30.7	33.5	20.1	21.4	21.1

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**9.0**	**9.9**	**9.1**	**11.5**	**11.9**	**11.9**	**11.1**	**12.6**	**12.9**	**16.1**	**12.9**	**13.0**
Less than 50 lb	47.7	36.7	37.0	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	38.2	41.1	S	33.0	32.6	S	35.4	35.8	S	S	S
100 to 499 lb	16.6	24.6	24.8	24.0	24.8	23.4	28.3	28.5	27.9	S	47.6	45.3
500 to 749 lb	20.6	18.3	18.2	45.4	37.4	43.5	39.9	35.4	33.8	46.8	49.1	49.9
750 to 999 lb	26.6	23.1	24.7	38.2	38.0	39.6	33.4	25.1	25.4	37.5	35.9	35.9
1,000 to 9,999 lb	13.4	15.4	15.2	22.6	21.1	21.0	25.0	13.1	12.9	22.4	14.6	14.9
10,000 to 49,999 lb	10.8	13.5	12.0	15.1	17.6	17.5	14.0	12.1	11.9	20.2	11.5	11.5
50,000 to 99,999 lb	12.6	13.1	14.1	20.4	22.3	23.9	S	44.8	46.4	S	48.0	48.7
100,000 lb or more	23.1	19.3	19.3	12.7	15.2	16.2	14.1	20.0	20.0	24.4	20.3	20.0
SCTG 08, Alcoholic beverages	**27.7**	**26.8**	**27.9**	**30.0**	**33.6**	**33.3**	**27.6**	**27.2**	**28.5**	**S**	**47.3**	**46.3**
Less than 50 lb	20.6	23.2	21.3	36.4	33.1	34.0	S	S	S	S	S	S
50 to 99 lb	24.4	24.3	21.7	27.9	22.9	22.7	S	S	S	–	–	–
100 to 499 lb	25.0	26.6	24.8	23.2	23.7	24.4	S	S	S	–	–	–
500 to 749 lb	26.8	29.2	29.4	36.2	38.4	37.7	S	S	S	–	–	–
750 to 999 lb	40.7	36.3	37.3	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	27.5	35.3	35.3	S	38.6	39.3	41.8	S	S	42.4	41.0	40.3
10,000 to 49,999 lb	43.9	43.0	44.5	39.7	42.6	42.3	44.1	46.8	47.1	49.3	S	S
50,000 to 99,999 lb	35.6	35.0	35.0	S	44.7	47.2	S	S	S	–	–	–
100,000 lb or more	S	41.2	43.2	S	47.8	48.8	49.7	46.4	49.2	S	S	S
SCTG 09, Tobacco products	**21.2**	**34.8**	**34.9**	**43.6**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	30.2	15.3	15.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	33.0	35.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	24.6	24.1	25.4	46.6	48.6	S	S	S	S	–	–	–
500 to 749 lb	44.4	47.2	44.8	S	S	S	–	–	–	–	–	–
750 to 999 lb	36.4	49.1	S	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	37.2	39.1	36.9	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**48.7**	**45.1**	**44.9**	**49.8**	**46.4**	**44.5**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	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	47.0	S	S	48.0	S	S
10,000 to 49,999 lb	S	S	S	49.9	46.8	46.9	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 11, Natural sands	**36.0**	**42.1**	**37.0**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	44.5	S	44.4	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	43.8	S	49.2	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	49.2	S	S	S	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**21.8**	**22.9**	**26.1**	**34.4**	**21.9**	**26.1**	**32.0**	**41.5**	**41.4**	**47.8**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	45.5	47.9	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	28.5	31.2	28.9	38.6	31.8	33.7	46.3	44.0	43.0	S	S	S
50,000 to 99,999 lb	24.1	21.8	20.7	34.1	35.0	34.2	–	–	–	S	S	S
100,000 lb or more	32.3	33.5	34.1	39.6	24.1	28.4	32.6	42.2	41.9	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**35.9**	**25.3**	**25.5**	**32.3**	**25.8**	**26.6**	**31.7**	**26.1**	**25.1**	**17.0**	**21.1**	**21.5**
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	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	26.8	27.8	S	S	S	S	S	S	44.2	S	S
10,000 to 49,999 lb	37.6	31.9	31.7	36.0	40.1	40.9	23.5	23.4	23.4	20.9	18.1	18.1
50,000 to 99,999 lb	S	29.4	30.4	S	28.2	26.2	S	37.6	37.6	S	S	S
100,000 lb or more	40.8	38.3	38.2	33.8	31.0	30.9	S	29.4	28.2	23.4	25.0	25.0

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**S**	**45.5**	**44.7**	**32.5**	**31.2**	**31.8**	**37.3**	**39.1**	**40.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	48.1	47.9	S	48.1	47.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	49.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	32.9	31.2	31.8	38.0	39.2	40.1	S	S	S
SCTG 15, Coal	**S**	**S**	**S**	**S**	**S**	**S**	**48.0**	**46.7**	**45.7**	**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	–	–	–	–	–	–	–	–	–	–	–	–
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	49.9	49.9	49.7	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**32.8**	**35.5**	**36.1**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	46.8	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	26.8	25.9	28.0	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	45.7	44.1	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S
SCTG 18, Fuel oils	**22.0**	**20.5**	**20.2**	**41.6**	**46.3**	**49.7**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	41.8	38.3	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	29.5	22.4	23.1	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	26.8	29.2	28.5	49.3	S	S	S	S	S	–	–	–
100,000 lb or more	S	48.1	47.1	S	S	S	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**26.2**	**33.7**	**34.9**	**31.4**	**46.7**	**46.4**	**45.5**	**S**	**S**	**41.0**	**33.1**	**35.9**
Less than 50 lb	S	38.9	41.4	S	S	S	S	S	S	S	S	S
50 to 99 lb	45.6	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	27.2	25.3	25.1	48.1	46.2	48.2	37.5	38.0	37.4	37.4	37.3	38.5
500 to 749 lb	37.2	40.8	40.2	49.8	48.1	47.7	S	S	S	S	S	S
750 to 999 lb	42.0	42.8	44.4	47.3	41.7	43.5	S	S	S	S	47.0	47.3
1,000 to 9,999 lb	36.2	36.2	37.0	32.5	34.3	34.3	34.5	32.3	31.3	41.4	41.8	40.6
10,000 to 49,999 lb	26.9	36.9	38.3	34.9	S	S	31.8	S	S	37.6	40.1	39.4
50,000 to 99,999 lb	38.9	48.3	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	49.5	40.7	41.2	S	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**14.9**	**25.4**	**27.5**	**23.0**	**S**	**S**	**21.0**	**S**	**S**	**21.5**	**44.1**	**45.0**
Less than 50 lb	S	27.7	32.7	43.6	42.7	43.8	S	43.3	47.1	49.8	S	S
50 to 99 lb	43.2	35.2	35.3	49.8	38.0	38.4	S	S	S	S	S	49.1
100 to 499 lb	23.1	36.8	29.6	27.2	25.5	26.8	41.1	S	S	S	S	S
500 to 749 lb	32.7	36.3	34.9	36.0	25.2	24.9	42.9	S	S	S	S	S
750 to 999 lb	44.8	36.6	41.7	S	36.9	37.2	38.7	48.3	S	S	S	S
1,000 to 9,999 lb	20.9	18.3	20.4	S	30.9	28.1	S	33.6	33.7	44.6	30.8	32.2
10,000 to 49,999 lb	20.7	24.3	23.9	19.6	26.2	27.9	25.4	22.4	22.6	23.9	24.3	24.4
50,000 to 99,999 lb	41.3	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	45.3	43.1	45.3	S	S	S	41.2	S	S	49.6	S	S
SCTG 21, Pharmaceutical products	**17.0**	**13.4**	**14.8**	**13.2**	**25.4**	**25.4**	**17.8**	**19.8**	**19.6**	**18.0**	**S**	**S**
Less than 50 lb	25.2	22.8	20.8	23.5	15.0	17.3	25.1	16.6	19.2	16.2	22.3	22.8
50 to 99 lb	28.2	11.7	12.1	25.2	15.7	18.2	35.0	31.8	34.5	S	44.7	45.8
100 to 499 lb	21.9	15.6	15.8	22.0	14.3	15.0	28.0	30.6	32.7	37.4	30.9	32.6
500 to 749 lb	27.7	26.8	26.2	39.8	44.8	S	S	S	S	32.0	36.7	37.4
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	34.5	35.3
1,000 to 9,999 lb	46.9	30.5	32.6	48.8	50.0	S	25.6	21.0	20.8	42.3	37.3	35.4
10,000 to 49,999 lb	48.2	48.0	S	36.2	S	S	32.2	30.2	30.0	43.8	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**14.6**	**11.4**	**11.7**	**18.0**	**16.9**	**15.8**	**18.3**	**17.8**	**18.1**	**31.2**	**34.9**	**36.1**
Less than 50 lb	S	44.2	42.1	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	43.3	46.5	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	40.4	27.0	28.0	43.5	35.4	33.6	S	S	S	S	S	S
10,000 to 49,999 lb	22.6	17.3	16.4	42.3	35.1	34.2	46.3	48.8	46.7	42.3	39.9	40.2
50,000 to 99,999 lb	21.0	19.2	18.8	31.6	29.8	29.9	49.9	45.2	44.3	S	S	S
100,000 lb or more	20.7	21.0	25.7	22.0	22.6	21.2	20.1	20.7	21.2	40.9	41.2	42.5
SCTG 23, Chemical products and preparations, n.e.c.	**18.7**	**11.8**	**13.9**	**15.3**	**15.1**	**18.5**	**15.2**	**17.5**	**17.6**	**19.2**	**19.1**	**19.8**
Less than 50 lb	22.5	29.2	26.2	31.2	24.6	24.3	47.4	38.9	37.4	31.7	36.6	36.3
50 to 99 lb	38.2	24.8	21.6	30.9	24.6	25.3	49.4	43.1	43.6	28.3	20.2	20.4
100 to 499 lb	18.8	24.1	25.3	27.3	23.8	22.6	24.7	26.8	26.3	28.6	22.1	22.9
500 to 749 lb	18.0	21.8	22.1	22.3	31.0	33.4	33.4	28.5	30.1	S	42.8	45.8
750 to 999 lb	32.3	37.0	38.2	40.2	29.1	30.3	S	34.1	35.3	49.8	36.2	35.7
1,000 to 9,999 lb	19.7	19.6	20.7	15.1	16.4	15.6	18.8	18.0	17.9	23.8	27.7	27.7
10,000 to 49,999 lb	27.0	14.6	17.5	19.7	14.2	14.5	19.7	18.8	19.6	24.0	20.6	20.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**9.7**	**16.8**	**19.3**	**6.9**	**15.6**	**15.8**	**11.7**	**16.1**	**16.5**	**10.0**	**22.4**	**23.3**
Less than 50 lb	15.7	12.2	12.1	16.6	21.9	21.4	25.4	15.0	14.0	29.3	S	S
50 to 99 lb	17.7	13.8	14.0	28.4	15.0	15.0	18.2	17.7	16.4	19.8	24.9	28.2
100 to 499 lb	14.0	14.9	15.5	13.8	7.4	7.4	18.8	14.7	13.9	11.3	8.1	7.5
500 to 749 lb	18.3	11.9	10.7	17.3	14.1	14.2	13.4	12.1	12.0	S	46.6	S
750 to 999 lb	21.7	18.7	18.7	27.1	19.0	17.0	38.6	14.9	14.9	40.4	20.2	20.1
1,000 to 9,999 lb	14.4	18.7	18.1	8.4	18.4	19.3	14.4	22.9	22.5	11.0	22.8	22.5
10,000 to 49,999 lb	21.8	33.5	37.1	10.6	19.9	19.9	17.9	20.1	19.7	17.5	31.3	33.7
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	45.6	43.7	44.3	S	49.5	49.0	48.5	46.6	47.3	S	S	S
SCTG 25, Logs and other wood in the rough	**29.6**	**47.9**	**45.6**	**33.5**	**33.4**	**32.6**	**49.1**	**46.9**	**48.4**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	29.1	41.6	40.4	34.1	36.4	36.3	45.8	41.3	41.3	S	S	S
50,000 to 99,999 lb	40.0	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	S	S	S
SCTG 26, Wood products	**18.2**	**20.1**	**19.2**	**19.3**	**15.7**	**15.5**	**20.5**	**12.4**	**12.3**	**29.0**	**15.9**	**15.7**
Less than 50 lb	37.5	29.9	30.8	40.5	S	S	47.3	S	S	34.2	32.3	32.5
50 to 99 lb	24.2	20.4	21.8	41.7	45.2	47.1	31.4	31.9	30.9	37.7	42.9	43.5
100 to 499 lb	15.1	12.8	13.9	34.0	34.6	32.7	24.8	24.9	24.4	39.6	45.9	44.4
500 to 749 lb	28.8	36.1	35.8	38.5	34.5	32.6	40.2	38.3	39.3	43.7	41.2	40.3
750 to 999 lb	20.7	31.0	29.8	26.9	28.6	27.5	47.9	44.2	42.0	39.4	34.8	34.8
1,000 to 9,999 lb	20.8	20.0	20.5	24.4	23.1	22.5	19.2	20.1	20.2	27.6	26.7	27.2
10,000 to 49,999 lb	23.5	23.2	21.6	22.1	17.1	17.4	24.1	15.9	15.8	35.0	21.6	21.4
50,000 to 99,999 lb	28.8	25.2	24.6	26.6	22.2	23.9	38.6	40.5	39.7	37.7	33.7	35.7
100,000 lb or more	S	33.8	36.7	29.9	29.7	31.0	28.3	29.5	29.4	35.4	31.7	31.6
SCTG 27, Pulp, newsprint, paper, and paperboard	**16.8**	**21.3**	**23.9**	**15.4**	**18.0**	**18.2**	**18.8**	**18.3**	**18.3**	**36.2**	**32.0**	**31.4**
Less than 50 lb	37.4	32.8	28.8	43.6	27.7	26.5	48.9	46.3	48.4	47.7	45.8	45.7
50 to 99 lb	22.5	28.6	26.4	37.3	27.9	28.3	46.2	42.8	41.5	S	45.1	46.7
100 to 499 lb	17.9	14.6	15.6	48.2	37.3	36.5	35.4	35.1	35.6	S	S	S
500 to 749 lb	33.7	32.0	31.6	S	S	S	39.1	45.7	46.4	S	S	S
750 to 999 lb	S	47.5	49.6	S	46.9	45.4	S	S	S	S	S	S
1,000 to 9,999 lb	20.6	21.4	21.8	42.0	32.2	32.2	41.2	39.1	39.1	S	S	S
10,000 to 49,999 lb	24.2	26.5	28.1	21.2	20.4	20.0	18.4	14.8	14.7	27.6	26.5	26.2
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	42.0	36.6	36.4	33.9	31.9	31.3	S	S	S
SCTG 28, Paper or paperboard articles	**13.3**	**13.0**	**13.0**	**15.3**	**11.5**	**11.5**	**25.7**	**20.6**	**20.1**	**20.8**	**40.0**	**40.6**
Less than 50 lb	49.4	15.9	18.2	36.7	23.3	23.6	44.7	27.6	27.3	S	31.7	32.4
50 to 99 lb	23.9	20.2	19.9	33.4	22.9	23.4	38.0	35.8	37.3	S	42.5	42.7
100 to 499 lb	20.3	16.2	16.9	34.0	30.5	31.9	29.2	32.2	32.3	34.0	42.8	43.4
500 to 749 lb	19.5	18.7	18.9	35.7	28.1	30.0	S	41.6	43.6	38.1	S	S
750 to 999 lb	23.6	25.3	25.4	34.5	37.4	36.8	S	S	S	S	49.9	S
1,000 to 9,999 lb	22.7	16.9	18.7	20.6	18.9	21.8	21.3	27.2	28.0	22.7	S	S
10,000 to 49,999 lb	19.6	16.6	16.4	19.2	12.3	12.1	32.2	22.2	21.6	28.6	38.0	38.3
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**12.9**	**13.2**	**13.3**	**11.9**	**19.5**	**20.2**	**7.8**	**20.9**	**19.0**	**17.8**	**15.0**	**14.5**
Less than 50 lb	19.0	19.6	17.8	14.0	22.1	20.4	18.3	32.5	32.9	34.3	S	S
50 to 99 lb	S	43.0	43.3	46.3	33.9	31.6	26.6	25.8	27.0	38.8	30.1	30.2
100 to 499 lb	14.8	19.2	17.9	24.6	23.6	22.2	18.9	18.5	18.5	13.3	12.4	12.6
500 to 749 lb	29.3	31.7	29.7	S	34.9	36.4	24.2	14.4	14.5	28.7	33.8	34.0
750 to 999 lb	34.4	30.1	25.0	23.4	20.0	20.1	37.5	38.5	39.4	41.1	29.5	28.9
1,000 to 9,999 lb	20.3	16.8	15.2	21.3	12.1	12.2	13.9	15.2	14.4	20.0	17.1	16.9
10,000 to 49,999 lb	27.9	21.7	22.5	18.9	23.4	25.6	20.1	30.7	28.7	32.5	15.2	14.2
50,000 to 99,999 lb	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	**42.7**	**33.1**	**30.3**	**26.9**	**32.3**	**33.0**	**24.8**	**36.7**	**35.5**	**16.6**	**28.4**	**28.7**
Less than 50 lb	20.2	16.3	17.7	22.1	25.8	26.2	32.0	33.9	34.9	13.7	26.7	27.3
50 to 99 lb	31.8	21.7	22.0	44.0	32.7	33.4	38.0	32.7	30.8	34.0	43.8	44.0
100 to 499 lb	27.6	23.4	22.4	41.6	23.3	23.2	35.2	26.2	26.0	27.5	22.7	23.1
500 to 749 lb	26.2	31.6	33.4	S	47.1	49.9	30.0	24.8	25.8	27.6	33.3	33.4
750 to 999 lb	31.1	41.3	40.7	32.9	40.8	40.0	S	47.4	47.6	S	46.0	45.1
1,000 to 9,999 lb	S	47.9	45.0	31.7	34.9	31.7	27.4	50.0	49.4	19.1	20.5	20.5
10,000 to 49,999 lb	S	42.0	40.1	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 31, Nonmetallic mineral products	**9.8**	**12.0**	**12.2**	**10.2**	**15.4**	**17.2**	**18.3**	**19.7**	**19.3**	**14.5**	**40.3**	**44.9**
Less than 50 lb	35.3	28.8	26.0	42.6	S	S	30.4	32.4	33.3	43.9	S	S
50 to 99 lb	32.7	27.6	29.8	S	40.6	42.8	S	49.0	S	38.6	32.2	31.5
100 to 499 lb	21.3	14.1	14.5	33.3	24.8	26.9	S	44.5	48.3	34.0	28.1	27.5
500 to 749 lb	33.8	33.1	39.5	34.3	29.9	28.4	45.8	44.3	46.9	45.6	S	S
750 to 999 lb	37.4	39.7	36.7	41.3	25.7	22.7	S	48.5	S	S	47.9	49.0
1,000 to 9,999 lb	24.9	21.8	20.8	22.2	23.7	25.9	26.2	16.6	17.2	27.7	23.0	22.7
10,000 to 49,999 lb	12.2	14.6	14.0	14.8	10.8	11.0	15.5	12.4	12.6	19.5	44.2	49.0
50,000 to 99,999 lb	9.7	10.7	10.6	39.8	47.9	45.4	S	S	S	S	S	S
100,000 lb or more	32.5	24.8	25.7	35.4	40.4	43.1	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**9.3**	**11.7**	**12.2**	**10.7**	**10.4**	**10.8**	**14.0**	**20.5**	**21.4**	**17.8**	**S**	**S**
Less than 50 lb	43.7	22.7	23.3	45.5	27.5	26.3	35.9	33.7	33.0	S	31.0	31.2
50 to 99 lb	41.3	35.0	35.5	25.9	24.3	27.5	40.8	41.5	37.1	49.1	24.4	24.5
100 to 499 lb	30.2	23.1	23.1	26.0	32.4	27.8	29.0	19.0	17.7	29.5	30.6	30.3
500 to 749 lb	34.9	25.3	27.0	30.3	37.5	34.0	44.4	28.4	27.7	32.7	34.5	34.7
750 to 999 lb	23.2	21.8	20.9	38.1	27.8	25.3	33.1	25.3	25.4	28.9	30.0	32.1
1,000 to 9,999 lb	22.2	28.3	23.0	22.9	20.7	19.6	14.9	16.1	16.0	43.9	34.5	34.6
10,000 to 49,999 lb	12.1	12.3	11.6	13.4	12.3	12.6	22.5	26.0	27.4	25.9	20.6	20.7
50,000 to 99,999 lb	29.8	36.2	31.9	S	37.7	40.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	44.9	38.6	39.2	35.0	32.8	34.2	47.0	S	S
SCTG 33, Articles of base metal	**16.5**	**31.4**	**34.6**	**12.4**	**40.4**	**41.3**	**14.5**	**S**	**S**	**15.1**	**S**	**S**
Less than 50 lb	16.7	14.6	15.0	32.6	12.9	13.4	25.6	48.9	48.7	25.0	S	S
50 to 99 lb	17.1	17.4	17.9	28.9	19.5	18.9	S	24.0	24.3	32.3	20.1	21.6
100 to 499 lb	23.0	17.3	16.3	12.1	11.1	11.2	19.3	17.8	17.1	14.6	14.9	15.7
500 to 749 lb	27.0	24.1	23.2	S	20.9	21.2	21.2	19.3	20.4	40.2	47.5	45.2
750 to 999 lb	27.9	30.6	33.9	45.8	21.6	21.1	29.9	23.3	22.1	24.1	22.1	21.9
1,000 to 9,999 lb	28.5	32.7	38.9	16.6	17.2	17.6	14.9	19.9	21.7	12.8	16.6	17.2
10,000 to 49,999 lb	15.2	43.5	47.1	12.8	S	S	22.0	S	S	31.1	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	43.8	S	48.7	S	S	S
100,000 lb or more	–	–	–	42.5	S	S	S	S	S	S	S	S
SCTG 34, Machinery	**6.7**	**5.8**	**6.7**	**5.1**	**6.8**	**7.2**	**7.3**	**8.5**	**8.4**	**10.4**	**8.0**	**8.1**
Less than 50 lb	26.9	28.1	27.6	15.1	15.3	14.4	18.7	19.0	17.5	13.2	20.3	20.1
50 to 99 lb	33.3	34.5	33.6	28.4	13.9	14.4	26.3	16.2	16.9	35.5	19.5	19.8
100 to 499 lb	13.8	8.9	9.7	11.4	11.0	11.2	14.4	15.0	14.7	21.8	29.5	30.3
500 to 749 lb	19.5	14.5	14.8	16.0	18.2	18.4	22.6	18.8	17.9	28.5	19.8	20.6
750 to 999 lb	16.0	20.5	20.9	24.9	19.6	18.5	29.2	31.6	31.2	20.5	21.5	22.5
1,000 to 9,999 lb	12.4	11.2	11.9	14.4	15.1	15.9	9.2	11.9	12.6	24.6	9.6	9.9
10,000 to 49,999 lb	10.0	9.0	9.8	10.3	9.0	9.7	10.4	11.4	11.4	11.7	12.5	12.4
50,000 to 99,999 lb	S	46.5	47.3	S	S	S	45.8	42.6	40.5	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**17.1**	**12.3**	**13.4**	**13.3**	**13.3**	**13.4**	**12.9**	**8.1**	**8.0**	**24.2**	**9.4**	**9.0**
Less than 50 lb	11.4	18.0	21.8	16.3	17.7	18.1	14.3	17.5	18.3	10.9	32.7	32.0
50 to 99 lb	21.8	26.8	25.4	23.6	23.0	21.8	15.3	25.0	24.0	26.1	29.4	30.5
100 to 499 lb	23.4	16.3	20.0	31.5	26.9	28.2	39.9	33.6	33.9	27.9	20.0	20.6
500 to 749 lb	S	43.4	47.4	27.0	14.5	14.8	S	29.4	31.1	30.5	17.0	17.8
750 to 999 lb	24.8	18.3	17.9	29.9	23.2	25.1	28.4	36.0	34.7	23.3	24.6	23.8
1,000 to 9,999 lb	21.8	14.9	15.2	17.6	22.2	21.9	12.6	17.4	18.6	S	16.2	16.7
10,000 to 49,999 lb	25.5	26.0	26.5	13.4	15.7	15.4	13.5	14.8	14.6	24.8	20.1	19.5
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S

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)	**15.2**	**14.0**	**14.0**	**20.9**	**15.3**	**16.6**	**23.7**	**19.1**	**19.8**	**26.5**	**24.3**	**25.6**
Less than 50 lb	19.9	20.2	20.4	25.4	22.1	20.6	37.0	43.2	43.7	31.1	35.6	35.7
50 to 99 lb	35.7	27.0	33.9	44.1	46.4	44.3	32.8	40.8	39.6	49.4	39.0	39.4
100 to 499 lb	38.9	33.3	31.5	S	35.6	33.4	24.2	22.1	22.0	21.2	20.3	20.4
500 to 749 lb	21.6	18.2	17.9	34.3	21.7	21.7	37.0	26.0	28.1	S	S	S
750 to 999 lb	32.1	22.1	23.1	33.3	30.3	32.4	38.1	48.6	49.8	S	S	S
1,000 to 9,999 lb	19.5	30.3	30.3	21.2	18.8	19.3	23.8	21.8	21.7	26.0	26.5	27.6
10,000 to 49,999 lb	19.8	14.6	14.3	23.3	15.5	16.3	31.2	18.2	19.7	22.9	16.6	17.4
50,000 to 99,999 lb	S	49.3	S	S	S	S	S	47.2	47.3	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**20.3**	**22.1**	**23.2**	**16.3**	**27.8**	**27.9**	**34.2**	**16.3**	**15.9**	**32.8**	**25.8**	**24.9**
Less than 50 lb	31.0	36.3	37.3	48.1	38.8	39.0	S	S	S	S	S	S
50 to 99 lb	40.2	S	S	45.0	34.0	31.7	46.8	43.5	S	45.4	48.9	S
100 to 499 lb	S	S	S	44.6	26.5	30.6	S	38.1	39.4	43.5	39.2	37.5
500 to 749 lb	S	36.2	38.8	S	31.2	35.1	S	S	S	S	38.6	38.6
750 to 999 lb	47.4	44.9	48.8	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.6	24.8	23.7	28.7	25.9	25.9	32.9	33.6	33.1	48.5	40.7	40.8
10,000 to 49,999 lb	42.1	39.5	39.7	36.6	S	S	S	22.8	22.5	S	42.1	42.2
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	S	S	S
SCTG 38, Precision instruments and apparatus	**12.8**	**23.7**	**21.6**	**13.0**	**32.2**	**28.7**	**10.9**	**21.0**	**21.2**	**14.2**	**25.6**	**26.6**
Less than 50 lb	15.1	26.3	26.0	18.2	17.3	18.0	17.1	31.0	29.9	21.3	38.3	36.4
50 to 99 lb	36.9	S	49.3	29.8	37.5	39.9	26.9	36.2	39.4	40.8	S	S
100 to 499 lb	31.0	31.4	30.2	26.6	29.2	32.7	25.0	46.0	48.4	23.7	27.9	26.9
500 to 749 lb	45.6	S	S	46.8	32.9	32.8	S	S	S	43.6	S	49.3
750 to 999 lb	S	S	S	43.0	30.4	29.0	S	49.2	S	S	39.2	39.1
1,000 to 9,999 lb	42.3	31.9	32.3	37.7	28.2	31.3	38.6	28.6	29.9	39.2	30.4	31.7
10,000 to 49,999 lb	S	49.8	49.4	S	S	S	39.9	30.0	30.3	40.9	49.1	45.9
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	**11.3**	**24.6**	**29.6**	**7.3**	**13.5**	**14.8**	**11.5**	**20.9**	**20.3**	**13.0**	**17.5**	**17.6**
Less than 50 lb	29.7	40.4	35.9	29.9	49.8	47.7	36.8	S	48.5	37.4	43.1	43.0
50 to 99 lb	29.7	26.6	27.0	S	S	S	23.5	21.3	21.1	S	S	S
100 to 499 lb	14.2	21.2	23.8	10.8	10.3	10.3	19.6	12.3	11.5	14.3	14.3	14.2
500 to 749 lb	16.7	16.4	16.6	13.7	15.6	15.9	22.7	19.6	19.9	14.7	18.1	17.1
750 to 999 lb	32.9	20.4	19.8	15.0	14.6	13.6	20.9	17.7	17.5	23.9	22.5	22.4
1,000 to 9,999 lb	13.9	15.8	17.3	11.2	12.0	12.7	15.7	15.2	15.0	18.5	16.6	16.7
10,000 to 49,999 lb	26.3	35.6	40.6	23.3	28.6	30.0	30.0	43.3	43.1	24.5	39.1	39.6
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**17.2**	**12.8**	**12.1**	**8.6**	**14.8**	**14.8**	**15.4**	**13.2**	**13.0**	**10.1**	**27.4**	**26.2**
Less than 50 lb	20.1	14.4	15.0	14.9	14.3	15.2	22.5	22.1	20.8	19.3	23.6	24.8
50 to 99 lb	16.2	18.8	18.0	19.8	17.9	18.7	28.3	17.8	18.6	26.0	13.7	13.9
100 to 499 lb	18.4	17.0	16.2	19.8	12.6	12.0	15.2	14.1	14.8	13.6	9.5	9.6
500 to 749 lb	S	31.0	25.7	23.4	16.5	16.0	S	33.9	33.7	29.7	24.3	24.3
750 to 999 lb	19.4	22.6	23.3	28.1	29.6	31.8	23.9	23.6	23.8	30.4	21.4	21.8
1,000 to 9,999 lb	13.2	16.5	15.9	15.0	13.6	12.6	25.0	19.1	19.0	12.2	9.9	9.8
10,000 to 49,999 lb	17.7	15.0	14.3	24.6	19.4	19.5	25.2	17.7	17.4	25.3	47.1	45.9
50,000 to 99,999 lb	15.1	45.3	41.2	30.4	28.1	26.1	24.5	26.1	24.9	49.9	40.7	41.5
100,000 lb or more	38.5	39.5	42.8	47.6	40.4	41.1	S	37.8	36.5	S	S	S
SCTG 41, Waste and scrap	**17.1**	**32.4**	**30.0**	**18.3**	**31.4**	**32.2**	**20.9**	**32.2**	**32.3**	**30.6**	**38.3**	**37.3**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	36.3	36.7	45.9	42.2	42.7	S	S	S	–	–	–
10,000 to 49,999 lb	25.7	31.6	31.4	22.0	30.8	28.9	19.2	25.1	23.8	44.2	S	S
50,000 to 99,999 lb	48.7	S	S	S	S	S	S	S	49.4	S	48.6	49.4
100,000 lb or more	22.7	23.0	25.2	24.2	28.5	33.1	40.9	39.3	38.4	S	33.4	33.8
SCTG 43, Mixed freight	**23.8**	**25.3**	**24.2**	**19.6**	**S**	**S**	**22.4**	**S**	**S**	**32.3**	**S**	**S**
Less than 50 lb	38.8	39.2	42.0	39.5	36.1	36.8	S	S	S	46.6	49.1	47.5
50 to 99 lb	31.1	32.1	33.3	S	S	S	S	42.7	41.9	S	42.5	42.3
100 to 499 lb	27.1	23.1	22.3	S	41.3	39.8	49.3	S	S	45.5	45.2	46.2
500 to 749 lb	26.5	16.4	17.1	S	38.9	38.3	43.5	40.2	39.1	S	S	S
750 to 999 lb	26.8	23.5	23.3	45.2	29.3	29.8	S	S	S	S	S	S
1,000 to 9,999 lb	20.8	24.1	25.6	28.0	33.5	35.3	38.2	38.8	38.6	S	48.7	49.2
10,000 to 49,999 lb	34.3	32.5	31.2	27.0	26.5	25.2	35.5	42.0	39.4	46.8	41.7	43.2
50,000 to 99,999 lb	42.8	43.8	48.9	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**47.8**	**S**	**S**	**33.8**	**S**	**S**	**49.0**	**44.1**	**46.0**	**29.7**	**37.4**	**36.4**
Less than 50 lb	S	S	S	S	37.5	32.7	S	37.8	38.1	42.0	44.8	46.5
50 to 99 lb	S	S	S	S	44.2	49.8	S	S	S	S	S	S
100 to 499 lb	39.6	S	S	S	S	S	40.8	37.3	37.1	S	S	47.8
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	46.6	45.3
750 to 999 lb	S	S	S	S	S	S	42.9	S	S	S	S	S
1,000 to 9,999 lb	S	47.8	49.4	34.1	45.5	48.4	24.4	25.3	26.6	31.9	S	S
10,000 to 49,999 lb	31.4	40.7	37.0	S	S	S	42.4	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	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	**5.3**	**10.2**	**10.9**	**7.1**	**7.3**	**7.2**	**25.0**	**S**	**S**
Less than 50 lb	7.9	18.4	18.1	16.0	15.8	15.8	29.2	S	S
50 to 99 lb	13.4	13.9	15.2	26.1	19.2	19.0	S	44.1	48.1
100 to 499 lb	17.2	9.5	9.6	22.3	14.0	13.5	S	39.1	45.1
500 to 749 lb	15.8	8.6	8.7	14.6	22.5	22.2	S	S	S
750 to 999 lb	11.1	8.8	8.0	23.4	22.7	23.1	S	S	S
1,000 to 9,999 lb	14.3	10.1	10.9	14.5	14.5	14.7	48.7	39.2	48.8
10,000 to 49,999 lb	7.2	6.3	6.4	10.0	9.1	9.1	42.5	49.5	S
50,000 to 99,999 lb	36.7	27.8	29.2	S	33.7	34.2	S	S	S
100,000 lb or more	11.3	13.0	13.7	15.5	22.3	21.5	–	–	–
SCTG 01, Live animals and live fish	**S**	**45.3**	**44.9**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	45.2	47.5	47.0	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**18.5**	**18.7**	**19.5**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	47.4	46.6	S	S	S	–	–	–
10,000 to 49,999 lb	46.6	34.0	35.3	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	19.1	18.8	19.6	–	–	–	–	–	–
SCTG 03, Other agricultural products	**28.2**	**32.7**	**33.9**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	45.6	47.3	47.6	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	38.6	S	47.7	S	S	S	–	–	–
10,000 to 49,999 lb	38.0	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	32.2	34.1	35.3	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**9.6**	**9.5**	**10.1**	**29.5**	**36.2**	**36.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	48.5	46.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	34.9	35.1	34.1	S	S	S	–	–	–
10,000 to 49,999 lb	12.7	13.2	14.1	35.2	35.9	35.3	S	S	S
50,000 to 99,999 lb	42.4	48.3	44.0	S	S	S	–	–	–
100,000 lb or more	17.4	16.3	16.8	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**16.9**	**16.2**	**16.2**	**17.3**	**21.4**	**22.4**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	47.6	41.8	42.1	S	S	S	–	–	–
500 to 749 lb	S	38.8	37.3	S	S	S	–	–	–
750 to 999 lb	S	S	S	49.0	48.1	48.6	–	–	–
1,000 to 9,999 lb	18.7	16.0	15.5	27.4	25.7	26.1	–	–	–
10,000 to 49,999 lb	18.6	18.2	18.3	22.2	20.9	20.8	–	–	–
50,000 to 99,999 lb	S	45.3	44.2	S	S	S	S	S	S
100,000 lb or more	39.1	39.4	39.1	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**12.8**	**15.7**	**15.5**	**46.4**	**22.4**	**22.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	32.3	S	46.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	49.9	S	S	S	–	–	–
1,000 to 9,999 lb	32.2	37.6	34.0	33.9	32.4	32.4	S	S	S
10,000 to 49,999 lb	15.0	13.6	12.7	S	35.3	34.3	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	24.2	23.1	22.9	44.7	38.5	38.7	–	–	–

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	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	**7.2**	**14.3**	**15.2**	**17.0**	**23.4**	**23.6**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	40.5	46.6	48.0	S	S	S	S	S	S
100 to 499 lb	31.5	48.7	49.4	S	S	S	–	–	–
500 to 749 lb	28.2	28.1	28.8	S	S	S	–	–	–
750 to 999 lb	S	40.5	40.2	S	S	S	–	–	–
1,000 to 9,999 lb	22.2	16.9	18.9	39.0	35.8	36.0	S	S	S
10,000 to 49,999 lb	11.9	9.1	9.1	18.4	13.8	14.5	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	18.4	20.1	20.5	28.0	30.0	29.9	–	–	–
SCTG 08, Alcoholic beverages	**32.4**	**39.8**	**41.3**	**44.3**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	41.6	32.8	32.0	S	S	S	–	–	–
10,000 to 49,999 lb	42.9	49.5	49.2	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 09, Tobacco products	**S**	**49.5**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**49.8**	**41.7**	**43.8**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	42.2	44.8	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
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 12, Gravel and crushed stone	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**17.7**	**25.2**	**25.0**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	22.4	23.8	22.9	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	25.4	27.9	27.5	–	–	–	–	–	–

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	**33.9**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	45.6	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	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**42.9**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	47.8	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	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	47.3	S	S	S	–	–	–
10,000 to 49,999 lb	S	45.6	43.8	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 20, Basic chemicals	**23.0**	**44.5**	**43.7**	**33.9**	**38.5**	**38.5**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	37.3	37.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	34.1	33.1	31.6	47.3	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	28.7	34.0	34.9	S	44.3	44.2	–	–	–
10,000 to 49,999 lb	26.0	43.1	43.8	38.0	47.2	46.1	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**21.3**	**25.8**	**25.8**	**27.1**	**36.8**	**36.5**	**S**	**49.4**	**48.5**
Less than 50 lb	17.5	22.9	22.6	42.2	31.4	31.8	S	37.7	38.7
50 to 99 lb	47.8	25.0	25.0	S	S	S	S	S	S
100 to 499 lb	S	31.8	31.8	36.9	34.2	33.4	S	S	S
500 to 749 lb	S	39.7	39.6	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	34.4	33.3	34.4	S	S	S	–	–	–
10,000 to 49,999 lb	32.1	34.4	34.3	S	48.6	48.9	–	–	–
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
SCTG 22, Fertilizers	**35.5**	**26.8**	**28.0**	**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	47.6	42.8	43.2	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	38.0	26.5	28.0	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**27.0**	**26.9**	**26.6**	**34.6**	**20.6**	**20.7**	**S**	**S**	**S**
Less than 50 lb	22.5	17.8	17.0	34.2	40.7	41.5	S	46.1	S
50 to 99 lb	S	42.4	40.5	S	S	S	–	–	–
100 to 499 lb	29.9	48.5	S	34.1	45.1	44.0	S	S	S
500 to 749 lb	S	42.5	41.2	S	S	S	S	S	S
750 to 999 lb	30.0	42.1	42.0	S	46.7	47.4	–	–	–
1,000 to 9,999 lb	25.9	28.5	28.0	20.6	26.8	27.0	S	S	S
10,000 to 49,999 lb	35.4	30.6	30.1	37.0	21.4	21.6	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**11.1**	**13.6**	**13.7**	**15.6**	**16.4**	**16.4**	**S**	**S**	**S**
Less than 50 lb	20.8	18.4	18.4	25.6	22.3	21.9	S	S	S
50 to 99 lb	23.0	21.1	22.6	26.3	17.2	17.7	–	–	–
100 to 499 lb	16.0	24.4	27.0	34.7	30.8	30.3	S	S	S
500 to 749 lb	24.3	14.4	14.3	42.9	35.6	35.9	–	–	–
750 to 999 lb	49.0	39.1	38.2	S	32.4	32.4	–	–	–
1,000 to 9,999 lb	11.4	11.3	11.5	30.8	22.0	23.2	–	–	–
10,000 to 49,999 lb	20.8	19.3	19.5	21.0	34.6	33.3	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	41.9	44.5	44.6	–	–	–
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 26, Wood products	**17.9**	**46.6**	**46.0**	**20.1**	**18.2**	**19.3**	**S**	**S**	**S**
Less than 50 lb	37.1	47.5	47.2	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	40.6	42.5	41.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	44.2	40.6	41.3	S	S	S	–	–	–
1,000 to 9,999 lb	25.3	25.9	25.8	30.6	40.8	41.3	–	–	–
10,000 to 49,999 lb	24.8	S	S	30.6	23.2	23.1	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	23.8	22.7	22.5	22.6	24.4	24.5	–	–	–
SCTG 27, Pulp, newsprint, paper, and paperboard	**25.4**	**29.7**	**29.9**	**38.6**	**33.4**	**32.8**	**S**	**S**	**S**
Less than 50 lb	45.8	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24.0	22.5	22.3	48.8	41.2	40.2	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	40.0	38.8	38.5	S	S	S	–	–	–
SCTG 28, Paper or paperboard articles	**15.0**	**24.9**	**27.8**	**23.9**	**26.7**	**26.9**	**S**	**S**	**S**
Less than 50 lb	S	26.5	25.0	S	33.5	33.4	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	48.9	S	S	S	–	–	–
500 to 749 lb	S	44.1	48.0	S	S	S	–	–	–
750 to 999 lb	49.6	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	29.6	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	16.8	17.9	17.5	30.6	29.3	29.5	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**14.4**	**16.0**	**15.8**	**14.1**	**34.3**	**35.3**	**S**	**S**	**S**
Less than 50 lb	19.4	30.0	31.3	24.4	S	S	S	S	S
50 to 99 lb	34.0	26.6	27.9	S	S	S	S	S	S
100 to 499 lb	37.8	23.6	22.4	30.1	26.8	26.7	S	S	S
500 to 749 lb	28.5	17.3	18.6	S	S	S	S	S	S
750 to 999 lb	34.0	30.2	31.5	S	S	S	–	–	–
1,000 to 9,999 lb	24.5	26.0	28.3	25.3	24.6	24.3	S	S	S
10,000 to 49,999 lb	21.2	23.5	23.2	26.4	35.4	35.8	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**32.7**	**S**	**S**	**22.1**	**39.5**	**39.5**	**39.7**	**S**	**S**
Less than 50 lb	23.3	38.4	36.4	32.8	24.3	24.1	45.1	S	S
50 to 99 lb	S	S	S	23.8	36.3	36.6	S	S	S
100 to 499 lb	35.0	35.8	34.9	24.0	37.6	37.8	S	S	S
500 to 749 lb	43.2	27.4	28.2	31.6	36.0	35.1	–	–	–
750 to 999 lb	S	36.0	37.6	S	S	S	–	–	–
1,000 to 9,999 lb	32.6	24.7	24.8	S	43.2	43.0	–	–	–
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 31, Nonmetallic mineral products	**16.9**	**S**	**S**	**28.7**	**38.2**	**37.7**	**S**	**S**	**S**
Less than 50 lb	40.9	S	S	S	49.1	49.0	S	S	S
50 to 99 lb	40.7	45.7	44.8	S	S	S	–	–	–
100 to 499 lb	48.9	29.0	29.0	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	27.4	35.6	35.8	45.6	48.4	47.3	S	S	S
10,000 to 49,999 lb	22.7	S	S	42.4	S	48.5	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	44.3	S	S	S	S	S	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**17.1**	**S**	**S**	**38.7**	**37.4**	**37.6**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	30.4	30.0	S	S	S
50 to 99 lb	30.8	22.0	22.8	S	36.9	36.9	S	S	S
100 to 499 lb	31.1	18.4	18.8	41.2	32.1	32.4	S	S	S
500 to 749 lb	24.7	23.0	24.6	S	S	S	S	S	S
750 to 999 lb	48.4	36.3	36.6	S	S	S	–	–	–
1,000 to 9,999 lb	26.2	24.3	24.1	43.8	36.2	36.2	S	S	S
10,000 to 49,999 lb	24.7	35.0	33.3	45.2	34.1	33.5	–	–	–
50,000 to 99,999 lb	S	47.6	49.8	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 33, Articles of base metal	**10.2**	**S**	**S**	**33.0**	**42.2**	**41.7**	**37.8**	**S**	**S**
Less than 50 lb	24.3	37.8	36.7	36.5	33.5	33.2	S	36.4	31.9
50 to 99 lb	25.5	27.2	25.4	S	38.3	38.2	S	S	S
100 to 499 lb	14.7	12.9	12.1	42.0	22.3	21.8	S	S	S
500 to 749 lb	39.8	24.5	23.0	S	42.0	41.9	S	S	S
750 to 999 lb	33.6	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	18.6	17.8	17.3	39.9	S	S	S	S	S
10,000 to 49,999 lb	21.2	S	S	32.7	S	49.4	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	43.3	44.4	45.3	S	S	S	–	–	–
SCTG 34, Machinery	**10.3**	**10.4**	**10.8**	**23.6**	**25.0**	**25.0**	**47.1**	**S**	**S**
Less than 50 lb	11.9	20.3	20.8	32.0	S	S	S	39.5	46.7
50 to 99 lb	19.6	17.1	16.8	S	S	S	S	S	S
100 to 499 lb	19.4	18.4	18.3	37.3	33.6	34.0	S	S	S
500 to 749 lb	28.7	20.9	22.5	47.8	33.8	33.7	S	S	S
750 to 999 lb	22.6	23.6	24.8	36.6	34.7	34.2	S	S	S
1,000 to 9,999 lb	15.7	13.3	14.1	28.0	27.4	27.2	S	S	S
10,000 to 49,999 lb	13.5	13.8	14.8	33.6	31.1	31.2	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**14.5**	**12.7**	**13.0**	**18.9**	**45.0**	**44.2**	**S**	**S**	**S**
Less than 50 lb	16.2	19.8	20.0	22.9	18.9	18.7	S	40.0	41.5
50 to 99 lb	33.0	39.3	40.6	23.6	49.7	48.5	S	S	S
100 to 499 lb	38.8	31.4	31.3	25.1	48.2	46.5	S	S	S
500 to 749 lb	36.3	35.9	35.2	37.2	S	S	S	S	S
750 to 999 lb	32.7	32.2	29.9	S	S	S	–	–	–
1,000 to 9,999 lb	21.4	18.5	18.3	44.8	S	S	–	–	–
10,000 to 49,999 lb	17.6	18.5	18.5	S	24.1	24.2	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**19.5**	**18.9**	**21.0**	**37.4**	**34.6**	**35.3**	**S**	**S**	**S**
Less than 50 lb	21.3	37.6	38.8	39.7	S	S	44.4	45.8	44.1
50 to 99 lb	34.8	44.8	45.0	45.7	34.4	34.3	S	S	S
100 to 499 lb	25.9	17.2	16.6	36.0	41.6	42.1	S	S	S
500 to 749 lb	44.5	37.8	38.5	47.4	47.7	47.8	–	–	–
750 to 999 lb	35.2	40.4	40.0	S	S	S	–	–	–
1,000 to 9,999 lb	47.7	49.4	S	44.7	49.6	S	S	S	S
10,000 to 49,999 lb	27.6	22.2	24.7	33.9	31.8	32.3	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**S**	**S**	**S**	**S**	**33.7**	**35.6**	**S**	**S**	**S**
Less than 50 lb	34.7	48.3	48.7	48.2	S	48.0	S	S	S
50 to 99 lb	41.5	42.4	45.0	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	48.8	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	36.7	37.0	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**13.8**	**21.5**	**21.4**	**16.0**	**31.2**	**30.7**	**29.2**	**26.0**	**30.8**
Less than 50 lb	17.8	37.3	35.6	22.8	S	S	34.5	33.3	40.1
50 to 99 lb	30.1	47.2	45.4	35.5	45.9	44.2	S	S	S
100 to 499 lb	26.8	36.3	39.6	36.0	S	S	S	S	S
500 to 749 lb	33.9	25.5	26.1	35.0	S	49.6	–	–	–
750 to 999 lb	49.5	32.8	36.0	S	S	S	–	–	–
1,000 to 9,999 lb	31.0	29.8	30.8	43.9	37.5	37.9	–	–	–
10,000 to 49,999 lb	27.1	26.3	26.5	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	**10.1**	**21.0**	**21.3**	**19.0**	**31.1**	**30.6**	**S**	**S**	**S**
Less than 50 lb	30.4	45.8	44.7	S	S	S	S	S	S
50 to 99 lb	46.0	49.8	S	22.9	21.6	21.4	S	S	S
100 to 499 lb	21.1	16.1	17.2	24.4	24.9	24.1	S	S	S
500 to 749 lb	24.6	21.3	22.1	39.5	44.9	44.2	S	S	S
750 to 999 lb	23.8	35.7	32.8	S	S	S	–	–	–
1,000 to 9,999 lb	13.7	17.8	18.1	24.4	29.1	29.0	S	S	S
10,000 to 49,999 lb	21.3	35.1	35.2	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**10.5**	**15.3**	**15.8**	**16.0**	**25.7**	**25.7**	**36.6**	**49.8**	**S**
Less than 50 lb	18.9	26.7	26.5	21.7	25.9	25.0	S	S	S
50 to 99 lb	17.2	20.2	20.9	43.2	44.8	44.0	S	41.8	45.1
100 to 499 lb	13.2	11.5	12.4	23.2	24.6	24.8	S	S	S
500 to 749 lb	19.7	13.0	13.7	23.3	25.8	25.9	S	S	S
750 to 999 lb	24.8	37.8	36.6	36.3	31.7	32.3	S	S	S
1,000 to 9,999 lb	16.9	11.9	12.6	25.1	27.9	27.8	S	S	S
10,000 to 49,999 lb	25.8	27.9	28.3	38.9	50.0	49.1	S	S	S
50,000 to 99,999 lb	S	49.7	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 41, Waste and scrap	**36.6**	**31.8**	**31.3**	**S**	**48.6**	**48.3**	**–**	**–**	**–**
Less than 50 lb	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	42.3	46.2	46.0	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–
100,000 lb or more	40.0	29.9	30.3	S	S	S	–	–	–
SCTG 43, Mixed freight	**38.0**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	41.6	34.6	35.1	S	S	S	S	S	S
50 to 99 lb	S	47.7	48.2	S	S	S	–	–	–
100 to 499 lb	S	47.7	44.6	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	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	–	–	–

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	**23.4**	**S**	**S**	**S**	**46.8**	**46.2**	**S**	**S**	**S**
Less than 50 lb	43.4	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	44.5	S	S	S	43.2	44.2	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	33.9	43.0	44.5	S	S	S	S	S	S
10,000 to 49,999 lb	44.2	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.

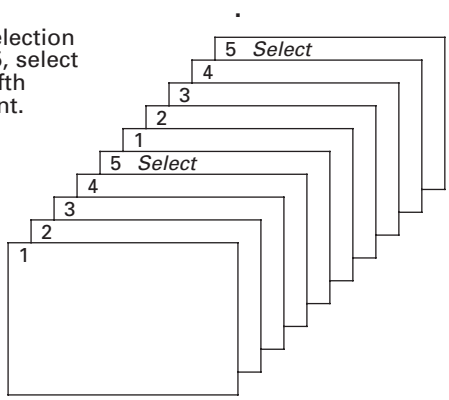
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

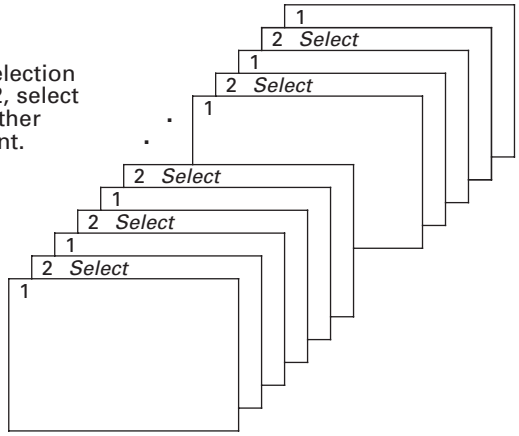
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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.

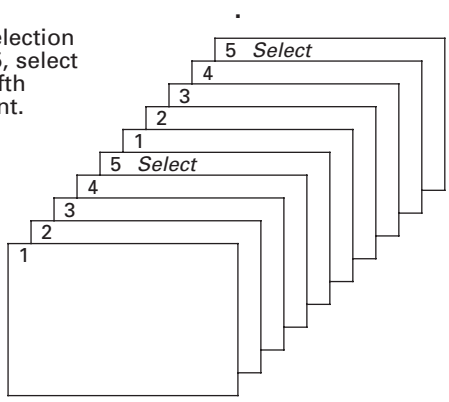
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

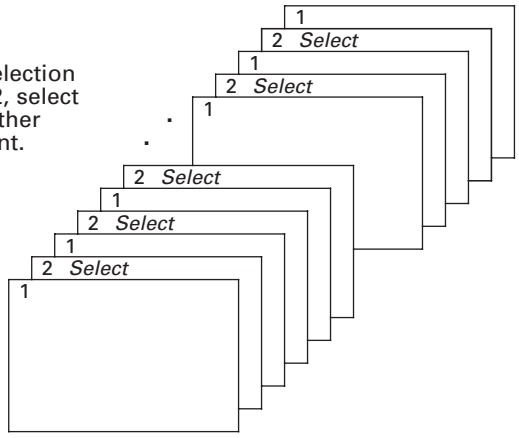
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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).

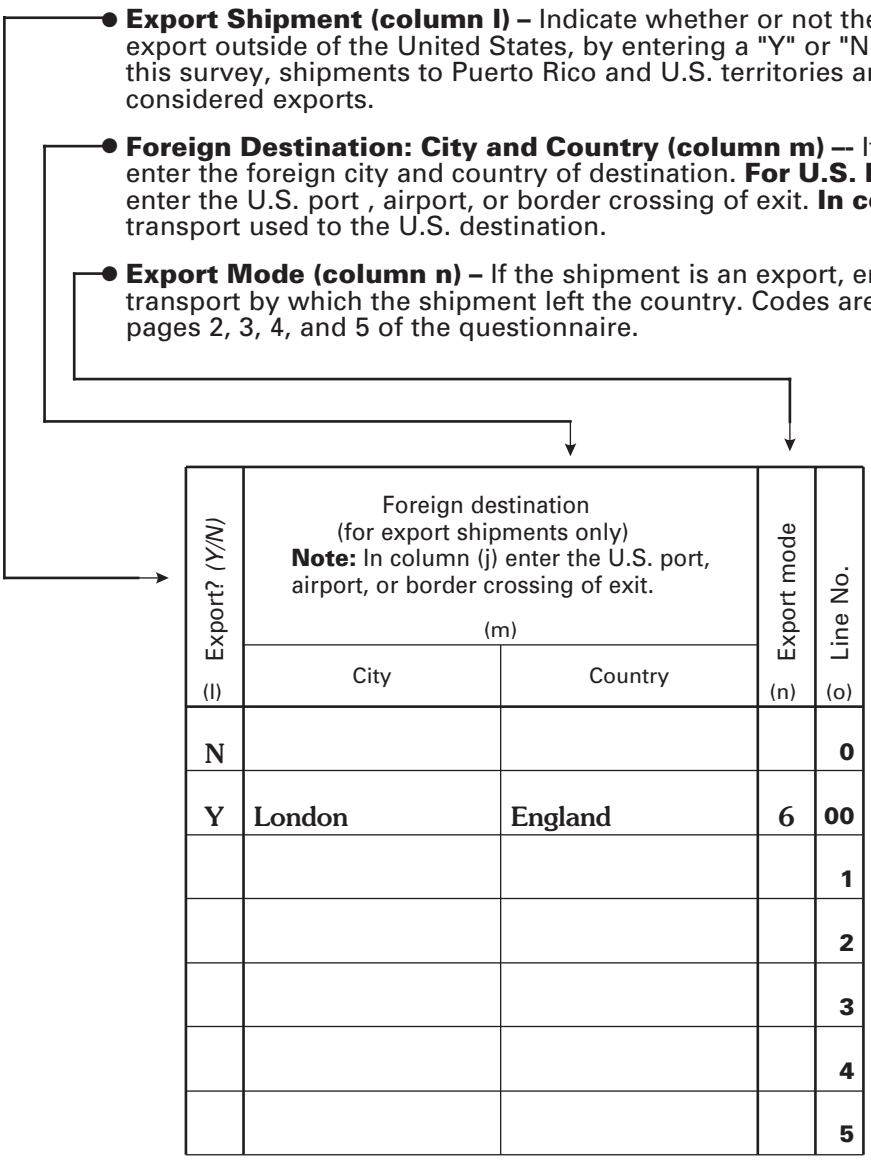
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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.