New England Division

1997

Issued April 2000

EC97TCF-DIV(1)

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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**	**515**
Single modes	**227 863**	**73.9**	**250 608**	**97.8**	**39 873**	**89.7**	**179**
Truck[1]	202 615	65.7	239 078	93.3	31 407	70.6	129
For-hire truck	113 431	36.8	68 470	26.7	18 759	42.2	506
Private truck	87 809	28.5	164 896	64.3	12 284	27.6	44
Rail	3 252	1.1	7 601	3.0	7 594	17.1	1 127
Water	2 910	.9	S	S	S	S	S
Shallow draft	1	–	S	S	S	S	12
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 908	.9	S	S	S	S	S
Air (includes truck and air)	18 527	6.0	277	.1	442	1.0	1 353
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**70 931**	**23.0**	**1 964**	**.8**	**2 412**	**5.4**	**866**
Parcel, U.S. Postal Service or courier	69 736	22.6	1 387	.5	1 159	2.6	866
Truck and rail	980	.3	283	.1	603	1.4	1 872
Truck and water	214	–	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	**9 481**	**3.1**	**3 768**	**1.5**	**2 188**	**4.9**	**185**

– 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	**308 275**	**247 845**	**24.4**	**256 341**	**234 983**	**9.1**	**44 473**	**30 636**	**45.2**	**515**	**533**	**-3.4**
Single modes	**227 863**	**191 301**	**19.1**	**250 608**	**229 534**	**9.2**	**39 873**	**27 943**	**42.7**	**179**	**197**	**-9.1**
Truck[1]	202 615	179 279	13.0	239 078	225 118	6.2	31 407	24 281	29.3	129	135	–4.6
For-hire truck	113 431	107 375	5.6	68 470	65 499	4.5	18 759	16 677	12.5	506	590	–14.2
Private truck	87 809	71 658	22.5	164 896	159 228	3.6	12 284	7 550	62.7	44	45	–2.8
Rail	3 252	2 154	51.0	7 601	4 052	87.6	7 594	3 416	122.3	1 127	982	14.8
Water	2 910	S	S	S	S	S	S	S	S	S	S	S
Shallow draft	1	S	S	S	S	S	S	S	S	12	3	261.6
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	2 908	S	S	S	S	S	S	S	S	S	2 864	S
Air (includes truck and air)	18 527	9 576	93.5	277	105	164.4	442	148	198.9	1 353	1 404	–3.7
Pipeline[2]	S	S	S	S	S	S	S	S	S	S	S	S
Multiple modes	**70 931**	**46 254**	**53.3**	**1 964**	**1 639**	**19.8**	**2 412**	**1 234**	**95.4**	**866**	**846**	**2.4**
Parcel, U.S. Postal Service or courier	69 736	45 914	51.9	1 387	1 181	17.5	1 159	827	40.1	866	846	2.4
Truck and rail	980	277	254.2	283	440	–35.8	603	391	54.3	1 872	1 382	35.5
Truck and water	214	62	243.7	S	18	S	S	S	S	S	1 306	S
Rail and water	–	–	–	–	–	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S	S	S	152	2 224	–93.2
Other and unknown modes	**9 481**	**10 290**	**-7.9**	**3 768**	**3 810**	**-1.1**	**2 188**	**1 459**	**50.0**	**185**	**S**	**S**

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

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

Table 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	**73.9**	**77.2**	**97.8**	**97.7**	**89.7**	**91.2**
Truck[1]	65.7	72.3	93.3	95.8	70.6	79.3
For-hire truck	36.8	43.3	26.7	27.9	42.2	54.4
Private truck	28.5	28.9	64.3	67.8	27.6	24.6
Rail	1.1	.9	3.0	1.7	17.1	11.2
Water	.9	S	S	S	S	S
Shallow draft	–	S	S	S	S	S
Great Lakes	–	–	–	–	–	–
Deep draft	.9	S	S	S	S	S
Air (includes truck and air)	6.0	3.9	.1	–	1.0	.5
Pipeline[2]	S	S	S	S	S	S
Multiple modes	**23.0**	**18.7**	**.8**	**.7**	**5.4**	**4.0**
Parcel, U.S. Postal Service or courier	22.6	18.5	.5	.5	2.6	2.7
Truck and rail	.3	.1	.1	.2	1.4	1.3
Truck and water	–	–	S	–	S	S
Rail and water	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S
Other and unknown modes	**3.1**	**4.2**	**1.5**	**1.6**	**4.9**	**4.8**

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

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

Table 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	**44 473**	**100.0**	**505**
Truck	31 446	70.7	127
Rail	8 182	18.4	1 274
Shallow draft	S	S	79
Great Lakes	–	–	–
Deep draft	S	S	2 493
Air	S	S	1 270
Parcel, U.S. Postal Service or courier	1 159	2.6	866
Pipeline	S	S	S
Other and unknown modes	2 188	4.9	185

– 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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**
Less than 50 miles	97 125	31.5	165 519	64.6	3 249	7.3
50 to 99 miles	33 142	10.8	32 630	12.7	3 011	6.8
100 to 249 miles	45 380	14.7	28 501	11.1	6 060	13.6
250 to 499 miles	25 555	8.3	9 654	3.8	4 710	10.6
500 to 749 miles	20 274	6.6	4 437	1.7	3 416	7.7
750 to 999 miles	25 412	8.2	8 024	3.1	8 773	19.7
1,000 to 1,499 miles	23 307	7.6	3 810	1.5	5 368	12.1
1,500 to 1,999 miles	11 247	3.6	1 492	.6	3 094	7.0
2,000 miles or more	26 834	8.7	2 274	.9	6 792	15.3
Single modes	**227 863**	**100.0**	**250 608**	**100.0**	**39 873**	**100.0**
Less than 50 miles	80 986	35.5	163 862	65.4	3 204	8.0
50 to 99 miles	27 168	11.9	32 083	12.8	2 960	7.4
100 to 249 miles	33 799	14.8	27 619	11.0	5 870	14.7
250 to 499 miles	18 900	8.3	9 408	3.8	4 603	11.5
500 to 749 miles	14 193	6.2	4 113	1.6	3 170	7.9
750 to 999 miles	17 741	7.8	7 374	2.9	7 772	19.5
1,000 to 1,499 miles	13 697	6.0	3 143	1.3	4 446	11.2
1,500 to 1,999 miles	7 156	3.1	1 247	.5	2 642	6.6
2,000 miles or more	14 223	6.2	1 758	.7	5 205	13.1
Truck[1]	**202 615**	**100.0**	**239 078**	**100.0**	**31 407**	**100.0**
Less than 50 miles	77 868	38.4	162 474	68.0	3 191	10.2
50 to 99 miles	25 971	12.8	30 507	12.8	2 810	8.9
100 to 249 miles	31 429	15.5	25 409	10.6	5 345	17.0
250 to 499 miles	16 906	8.3	8 759	3.7	4 219	13.4
500 to 749 miles	12 245	6.0	3 430	1.4	2 550	8.1
750 to 999 miles	14 169	7.0	3 571	1.5	3 549	11.3
1,000 to 1,499 miles	10 460	5.2	2 327	1.0	3 156	10.0
1,500 to 1,999 miles	5 042	2.5	1 207	.5	2 556	8.1
2,000 miles or more	8 524	4.2	1 393	.6	4 031	12.8
For-hire truck	**113 431**	**100.0**	**68 470**	**100.0**	**18 759**	**100.0**
Less than 50 miles	17 630	15.5	35 216	51.4	681	3.6
50 to 99 miles	13 015	11.5	8 407	12.3	779	4.2
100 to 249 miles	23 204	20.5	9 769	14.3	2 038	10.9
250 to 499 miles	15 022	13.2	4 989	7.3	2 164	11.5
500 to 749 miles	10 662	9.4	2 977	4.3	2 212	11.8
750 to 999 miles	12 410	10.9	3 073	4.5	3 042	16.2
1,000 to 1,499 miles	9 464	8.3	2 093	3.1	2 832	15.1
1,500 to 1,999 miles	4 179	3.7	721	1.1	1 459	7.8
2,000 miles or more	7 844	6.9	1 226	1.8	3 552	18.9
Private truck	**87 809**	**100.0**	**164 896**	**100.0**	**12 284**	**100.0**
Less than 50 miles	59 581	67.9	122 252	74.1	2 396	19.5
50 to 99 miles	12 816	14.6	21 851	13.3	2 006	16.3
100 to 249 miles	8 007	9.1	15 465	9.4	3 271	26.6
250 to 499 miles	1 676	1.9	S	S	S	S
500 to 749 miles	1 520	1.7	364	.2	273	2.2
750 to 999 miles	1 730	2.0	482	.3	492	4.0
1,000 to 1,499 miles	961	1.1	223	.1	309	2.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	663	.8	159	.1	453	3.7
Rail	**3 252**	**100.0**	**7 601**	**100.0**	**7 594**	**100.0**
Less than 50 miles	S	S	S	S	5	–
50 to 99 miles	47	1.5	144	1.9	S	S
100 to 249 miles	214	6.6	S	S	S	S
250 to 499 miles	391	12.0	631	8.3	373	4.9
500 to 749 miles	275	8.5	451	5.9	415	5.5
750 to 999 miles	1 224	37.6	S	S	S	S
1,000 to 1,499 miles	700	21.5	789	10.4	1 252	16.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	324	10.0	254	3.3	878	11.6
Water	**2 910**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	2 861	98.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**1**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
Single modes—Con.						
Great Lakes	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**2 908**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	2 860	98.3	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**18 527**	**100.0**	**277**	**100.0**	**442**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	948	5.1	23	8.3	5	1.2
100 to 249 miles	1 990	10.7	35	12.7	10	2.2
250 to 499 miles	1 603	8.7	S	S	S	S
500 to 749 miles	1 645	8.9	19	6.9	19	4.3
750 to 999 miles	2 349	12.7	33	12.0	43	9.6
1,000 to 1,499 miles	2 537	13.7	27	9.7	39	8.7
1,500 to 1,999 miles	2 081	11.2	10	3.7	20	4.6
2,000 miles or more	5 375	29.0	S	S	S	S
Pipeline[2]	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	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	**70 931**	**100.0**	**1 964**	**100.0**	**2 412**	**100.0**
Less than 50 miles	11 347	16.0	299	15.2	12	.5
50 to 99 miles	5 269	7.4	166	8.5	17	.7
100 to 249 miles	10 437	14.7	305	15.5	68	2.8
250 to 499 miles	6 081	8.6	134	6.8	58	2.4
500 to 749 miles	5 801	8.2	118	6.0	86	3.6
750 to 999 miles	7 367	10.4	S	S	S	S
1,000 to 1,499 miles	9 048	12.8	169	8.6	244	10.1
1,500 to 1,999 miles	3 492	4.9	106	5.4	193	8.0
2,000 miles or more	12 090	17.0	323	16.5	1 038	43.0
Parcel, U.S. Postal Service or courier	**69 736**	**100.0**	**1 387**	**100.0**	**1 159**	**100.0**
Less than 50 miles	11 310	16.2	243	17.5	8	.7
50 to 99 miles	5 258	7.5	152	10.9	14	1.2
100 to 249 miles	10 298	14.8	244	17.6	50	4.3
250 to 499 miles	6 081	8.7	134	9.7	58	5.0
500 to 749 miles	5 779	8.3	118	8.5	85	7.4
750 to 999 miles	7 206	10.3	124	9.0	129	11.1
1,000 to 1,499 miles	9 013	12.9	146	10.5	206	17.8
1,500 to 1,999 miles	3 447	4.9	67	4.8	131	11.3
2,000 miles or more	11 346	16.3	160	11.5	477	41.1
Truck and rail	**980**	**100.0**	**283**	**100.0**	**603**	**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	13	1.3	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	25	9.0	29	4.8
1,000 to 1,499 miles	32	3.2	S	S	S	S
1,500 to 1,999 miles	45	4.6	S	S	S	S
2,000 miles or more	722	73.7	152	53.7	478	79.1
Truck and water	**214**	**100.0**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	125	58.6	54	18.2	16	2.4
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	21	10.0	12	4.1	84	12.9

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	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**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	–	–	–	–	–	–
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	–	–	–	–	–	–
Other and unknown modes	**9 481**	**100.0**	**3 768**	**100.0**	**2 188**	**100.0**
Less than 50 miles	4 792	50.5	1 358	36.0	32	1.5
50 to 99 miles	704	7.4	381	10.1	35	1.6
100 to 249 miles	1 143	12.1	577	15.3	122	5.6
250 to 499 miles	574	6.1	111	2.9	48	2.2
500 to 749 miles	281	3.0	205	5.4	161	7.3
750 to 999 miles	304	3.2	307	8.1	304	13.9
1,000 to 1,499 miles	562	5.9	498	13.2	677	30.9
1,500 to 1,999 miles	599	6.3	138	3.7	259	11.8
2,000 miles or more	522	5.5	193	5.1	550	25.1

– Represents data cell equal to zero or less than 1 unit of measure.
D Denotes figures withheld to avoid disclosing data for individual companies.
S Data do not meet publication standards because of high sampling variability or other reasons. 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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**	**515**
Less than 50 lb	70 922	23.0	1 182	.5	566	1.3	604
50 to 99 lb	20 108	6.5	703	.3	242	.5	349
100 to 499 lb	58 234	18.9	4 048	1.6	1 061	2.4	271
500 to 749 lb	15 422	5.0	1 881	.7	423	1.0	224
750 to 999 lb	8 870	2.9	1 588	.6	386	.9	235
1,000 to 9,999 lb	63 333	20.5	21 844	8.5	4 987	11.2	225
10,000 to 49,999 lb	53 828	17.5	104 107	40.6	16 965	38.1	170
50,000 to 99,999 lb	7 148	2.3	77 417	30.2	5 268	11.8	65
100,000 lb or more	10 410	3.4	43 572	17.0	14 575	32.8	333
Single modes	**227 863**	**100.0**	**250 608**	**100.0**	**39 873**	**100.0**	**179**
Less than 50 lb	23 195	10.2	549	.2	88	.2	177
50 to 99 lb	10 844	4.8	463	.2	70	.2	151
100 to 499 lb	44 108	19.4	3 525	1.4	701	1.8	189
500 to 749 lb	13 160	5.8	1 769	.7	361	.9	205
750 to 999 lb	8 081	3.5	1 495	.6	267	.7	177
1,000 to 9,999 lb	59 605	26.2	21 036	8.4	4 498	11.3	212
10,000 to 49,999 lb	51 792	22.7	102 257	40.8	15 621	39.2	158
50,000 to 99,999 lb	6 966	3.1	76 854	30.7	4 854	12.2	60
100,000 lb or more	10 112	4.4	42 661	17.0	13 413	33.6	323
Truck[1]	**202 615**	**100.0**	**239 078**	**100.0**	**31 407**	**100.0**	**129**
Less than 50 lb	16 733	8.3	524	.2	54	.2	93
50 to 99 lb	8 575	4.2	454	.2	57	.2	123
100 to 499 lb	38 519	19.0	3 480	1.5	648	2.1	175
500 to 749 lb	11 668	5.8	1 752	.7	341	1.1	195
750 to 999 lb	6 827	3.4	1 484	.6	259	.8	173
1,000 to 9,999 lb	58 163	28.7	20 906	8.7	4 233	13.5	203
10,000 to 49,999 lb	51 187	25.3	102 036	42.7	15 228	48.5	154
50,000 to 99,999 lb	6 846	3.4	76 648	32.1	4 723	15.0	58
100,000 lb or more	4 097	2.0	31 792	13.3	5 864	18.7	182
For-hire truck	**113 431**	**100.0**	**68 470**	**100.0**	**18 759**	**100.0**	**506**
Less than 50 lb	7 128	6.3	78	.1	39	.2	452
50 to 99 lb	4 639	4.1	88	.1	40	.2	467
100 to 499 lb	22 166	19.5	764	1.1	486	2.6	622
500 to 749 lb	6 197	5.5	363	.5	244	1.3	671
750 to 999 lb	3 472	3.1	297	.4	183	1.0	613
1,000 to 9,999 lb	32 047	28.3	5 157	7.5	3 080	16.4	634
10,000 to 49,999 lb	33 449	29.5	35 672	52.1	11 241	59.9	334
50,000 to 99,999 lb	1 937	1.7	22 113	32.3	1 290	6.9	59
100,000 lb or more	2 396	2.1	3 937	5.7	2 155	11.5	472
Private truck	**87 809**	**100.0**	**164 896**	**100.0**	**12 284**	**100.0**	**44**
Less than 50 lb	9 599	10.9	446	.3	15	.1	31
50 to 99 lb	3 929	4.5	365	.2	16	.1	44
100 to 499 lb	16 257	18.5	2 699	1.6	159	1.3	56
500 to 749 lb	5 391	6.1	1 376	.8	95	.8	69
750 to 999 lb	3 308	3.8	1 176	.7	73	.6	62
1,000 to 9,999 lb	25 523	29.1	15 608	9.5	1 132	9.2	73
10,000 to 49,999 lb	17 322	19.7	65 263	39.6	3 760	30.6	60
50,000 to 99,999 lb	4 806	5.5	54 129	32.8	3 418	27.8	59
100,000 lb or more	1 674	1.9	23 833	14.5	3 615	29.4	145
Rail	**3 252**	**100.0**	**7 601**	**100.0**	**7 594**	**100.0**	**1 127**
Less than 50 lb	S	S	–	–	S	S	1 493
50 to 99 lb	S	S	S	S	S	S	878
100 to 499 lb	S	S	S	S	S	S	2 174
500 to 749 lb	S	S	S	S	S	S	1 086
750 to 999 lb	S	S	S	S	S	S	1 295
1,000 to 9,999 lb	S	S	S	S	S	S	1 410
10,000 to 49,999 lb	559	17.2	207	2.7	377	5.0	1 851
50,000 to 99,999 lb	119	3.6	188	2.5	118	1.5	639
100,000 lb or more	2 556	78.6	7 204	94.8	7 098	93.5	973
Water	**2 910**	**100.0**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	18
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	58
500 to 749 lb	S	S	S	S	S	S	41
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	57
10,000 to 49,999 lb	S	S	S	S	S	S	218
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	2 891	99.3	S	S	S	S	85
Shallow draft	**1**	**100.0**	**S**	**S**	**S**	**S**	**12**
Less than 50 lb	S	S	S	S	S	S	9
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	S	S	S	67
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	28
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
Single modes—Con.							
Great Lakes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	**2 908**	**100.0**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	108
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	58
500 to 749 lb	S	S	S	S	S	S	38
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	86
10,000 to 49,999 lb	S	S	S	S	S	S	218
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	2 891	99.4	S	S	S	S	85
Air (includes truck and air)	**18 527**	**100.0**	**277**	**100.0**	**442**	**100.0**	**1 353**
Less than 50 lb	6 459	34.9	25	8.9	34	7.7	1 346
50 to 99 lb	2 269	12.2	9	3.3	13	3.0	1 465
100 to 499 lb	5 588	30.2	45	16.2	53	12.1	1 329
500 to 749 lb	1 488	8.0	16	5.8	20	4.6	1 264
750 to 999 lb	1 252	6.8	11	4.0	8	1.8	699
1,000 to 9,999 lb	1 430	7.7	S	S	S	S	1 895
10,000 to 49,999 lb	30	.2	13	4.6	16	3.7	1 302
50,000 to 99,999 lb	S	S	17	6.1	S	S	727
100,000 lb or more	S	S	S	S	S	S	1 638
Pipeline[2]	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	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
50,000 to 99,999 lb	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S
Multiple modes	**70 931**	**100.0**	**1 964**	**100.0**	**2 412**	**100.0**	**866**
Less than 50 lb	45 459	64.1	570	29.0	471	19.5	870
50 to 99 lb	8 709	12.3	214	10.9	171	7.1	803
100 to 499 lb	13 124	18.5	435	22.1	350	14.5	811
500 to 749 lb	1 695	2.4	85	4.3	57	2.4	649
750 to 999 lb	706	1.0	82	4.2	S	S	1 318
1,000 to 9,999 lb	S	S	17	.9	S	S	1 816
10,000 to 49,999 lb	693	1.0	261	13.3	528	21.9	1 961
50,000 to 99,999 lb	99	.1	61	3.1	S	S	828
100,000 lb or more	103	.1	S	S	S	S	2 125
Parcel, U.S. Postal Service or courier	**69 736**	**100.0**	**1 387**	**100.0**	**1 159**	**100.0**	**866**
Less than 50 lb	45 459	65.2	570	41.1	471	40.7	870
50 to 99 lb	8 708	12.5	214	15.4	170	14.7	803
100 to 499 lb	13 097	18.8	433	31.2	348	30.0	812
500 to 749 lb	1 694	2.4	85	6.1	56	4.8	641
750 to 999 lb	706	1.0	82	5.9	S	S	1 322
1,000 to 9,999 lb	72	.1	S	S	S	S	249
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**980**	**100.0**	**283**	**100.0**	**603**	**100.0**	**1 872**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	2 935
100 to 499 lb	S	S	S	S	S	S	1 191
500 to 749 lb	S	S	S	S	S	S	597
750 to 999 lb	S	S	S	S	S	S	110
1,000 to 9,999 lb	S	S	6	2.0	8	1.4	1 849
10,000 to 49,999 lb	S	S	204	72.2	452	74.9	2 193
50,000 to 99,999 lb	39	3.9	41	14.4	S	S	1 109
100,000 lb or more	49	5.0	32	11.3	88	14.6	2 886
Truck and water	**214**	**100.0**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	7 831
50 to 99 lb	S	S	S	S	S	S	80
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	8 191
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	4 358
10,000 to 49,999 lb	69	32.3	57	19.3	76	11.8	1 274
50,000 to 99,999 lb	60	28.1	20	6.9	6	.9	280
100,000 lb or more	S	S	S	S	S	S	485

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	**–**	**–**	**–**	**–**	**–**	**–**	**–**
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	–	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**152**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	152
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	–	–	–	–	–	–	–
Other and unknown modes	**9 481**	**100.0**	**3 768**	**100.0**	**2 188**	**100.0**	**185**
Less than 50 lb	2 268	23.9	64	1.7	7	.3	177
50 to 99 lb	554	5.8	26	.7	1	–	55
100 to 499 lb	1 003	10.6	88	2.3	10	.5	97
500 to 749 lb	S	S	27	.7	4	.2	S
750 to 999 lb	83	.9	11	.3	S	S	660
1,000 to 9,999 lb	3 384	35.7	791	21.0	456	20.9	538
10,000 to 49,999 lb	1 344	14.2	1 589	42.2	816	37.3	584
50,000 to 99,999 lb	83	.9	502	13.3	354	16.2	701
100,000 lb or more	195	2.1	671	17.8	S	S	578

– 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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**	**515**
01	Live animals and live fish	S	S	S	S	S	S	S
02	Cereal grains	S	S	15	–	9	–	414
03	Other agricultural products	2 286	.7	3 873	1.5	561	1.3	286
04	Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S
05	Meat, fish, seafood, and their preparations	5 756	1.9	1 767	.7	547	1.2	222
06	Milled grain products and preparations, and bakery products	4 573	1.5	2 754	1.1	603	1.4	120
07	Other prepared foodstuffs and fats and oils	10 187	3.3	9 726	3.8	2 052	4.6	208
08	Alcoholic beverages	4 233	1.4	3 137	1.2	212	.5	27
09	Tobacco products	2 186	.7	144	–	24	–	147
10	Monumental or building stone	139	–	465	.2	74	.2	289
11	Natural sands	138	–	17 274	6.7	684	1.5	S
12	Gravel and crushed stone	401	.1	45 544	17.8	1 108	2.5	19
13	Nonmetallic minerals n.e.c.	451	.1	4 174	1.6	597	1.3	177
14	Metallic ores and concentrates	S	S	50	–	S	S	308
15	Coal	S	S	S	S	S	S	40
17	Gasoline and aviation turbine fuel	4 202	1.4	14 626	5.7	470	1.1	30
18	Fuel oils	2 469	.8	13 222	5.2	872	2.0	27
19	Coal and petroleum products, n.e.c.	687	.2	12 292	4.8	168	.4	33
20	Basic chemicals	2 459	.8	1 846	.7	660	1.5	182
21	Pharmaceutical products	19 008	6.2	342	.1	128	.3	440
22	Fertilizers	S	S	S	S	S	S	160
23	Chemical products and preparations, n.e.c.	6 808	2.2	2 026	.8	984	2.2	248
24	Plastics and rubber	12 628	4.1	17 444	6.8	3 736	8.4	387
25	Logs and other wood in the rough	S	S	S	S	S	S	102
26	Wood products	5 188	1.7	15 573	6.1	2 456	5.5	274
27	Pulp, newsprint, paper, and paperboard	7 785	2.5	7 054	2.8	5 553	12.5	214
28	Paper or paperboard articles	6 689	2.2	2 764	1.1	1 108	2.5	345
29	Printed products	14 602	4.7	3 590	1.4	663	1.5	410
30	Textiles, leather, and articles of textiles or leather	15 209	4.9	1 088	.4	912	2.1	1 040
31	Nonmetallic mineral products	2 759	.9	20 754	8.1	1 649	3.7	648
32	Base metal in primary or semifinished forms and in finished basic shapes	10 864	3.5	9 903	3.9	6 458	14.5	280
33	Articles of base metal	9 482	3.1	2 337	.9	1 079	2.4	345
34	Machinery	19 078	6.2	880	.3	479	1.1	375
35	Electronic and other electrical equipment and components and office equipment	67 133	21.8	1 373	.5	978	2.2	678
36	Motorized and other vehicles (including parts)	7 551	2.4	1 019	.4	288	.6	134
37	Transportation equipment, n.e.c.	8 083	2.6	72	–	30	–	721
38	Precision instruments and apparatus	16 005	5.2	233	–	166	.4	817
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	3 142	1.0	483	.2	234	.5	640
40	Miscellaneous manufactured products	26 672	8.7	4 455	1.7	S	S	951
41	Waste and scrap	2 374	.8	8 592	3.4	2 852	6.4	205
43	Mixed freight	3 436	1.1	1 569	.6	126	.3	S
--	Commodity unknown	1 979	.6	912	.4	S	S	916

– 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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**	**515**
010	Live animals and live fish	S	S	S	S	S	S	S
021	Wheat	–	–	–	–	–	–	–
022	Corn, except sweet	S	S	S	S	S	S	22
029	Other cereal grains	S	S	14	–	9	–	452
031	Fresh or chilled potatoes (Irish potatoes), except sweet	195	–	228	–	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	832	.3	S	S	S	S	82
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	47
034	Soya beans	–	–	–	–	–	–	–
035	Oil seeds and nuts, except olives and soya beans	S	S	S	S	S	S	79
036	Bulbs, live plants, and seeds for sowing, n.e.c.	152	–	91	–	14	–	871
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	722	.2	S	S	272	.6	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.	211	–	150	–	142	.3	776
042	Animal feed preparations	S	S	S	S	S	S	S
051	Meat including poultry, except preparations	2 793	.9	1 018	.4	90	.2	221
052	Fish, except live, and seafood, except preparations	2 950	1.0	746	.3	455	1.0	224
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	214
061	Wheat flour, groats, and meal	262	–	S	S	S	S	54
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	S	S	S	S	553
063	Food preparations of cereals, flour, starch, or milk	735	.2	441	.2	185	.4	110
064	Bakery products	3 331	1.1	1 732	.7	276	.6	82
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	2 444	.8	2 462	1.0	298	.7	60
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	1 814	.6	1 442	.6	685	1.5	213
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	S	S	90	–	S	S	120
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	S	S	S	S	S	S	129
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	80	–	S	S	S	S	484
076	Confectionery, cocoa, and cocoa preparations	968	.3	242	–	164	.4	442
077	Edible preparations, n.e.c. and vinegar	1 476	.5	630	.2	339	.8	811
078	Nonalcoholic beverages, n.e.c. and ice	2 478	.8	4 362	1.7	358	.8	94
081	Malt Beer	2 671	.9	2 752	1.1	183	.4	24
082	Wine and other fermented beverages	711	.2	218	–	12	–	30
083	Spirituous beverages and ethyl alcohol	852	.3	167	–	S	S	S
090	Tobacco products	2 186	.7	144	–	24	–	147
100	Monumental or building stone, except dolomite	139	–	465	.2	74	.2	289
110	Natural sands, except metal-bearing	138	–	17 274	6.7	684	1.5	S
120	Gravel and crushed stone, except dolomite and slate	401	.1	45 544	17.8	1 108	2.5	19
131	Salt	S	S	S	S	2	–	23
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	–	–	–	–	–	–	–
133	Dolomite	S	S	S	S	S	S	356
139	Other nonmetallic minerals	417	.1	3 679	1.4	427	1.0	199
141	Iron ores and concentrates	S	S	S	S	S	S	192
149	Other metallic ores and concentrates	S	S	S	S	S	S	314
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	45
159	Other coal	S	S	S	S	S	S	14
171	Gasoline	3 918	1.3	13 452	5.2	459	1.0	30
172	Aviation turbine fuel (types A and B)	S	S	S	S	11	–	16
180	Fuel oils	2 469	.8	13 222	5.2	872	2.0	27
191	Lubricating oils and greases	170	–	137	–	12	–	62
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	86	–	311	.1	16	–	32
193	Gaseous hydrocarbons	S	S	S	S	3	–	S
199	Other products of petroleum refining, and coal products	340	.1	11 499	4.5	138	.3	13
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	53	–	241	–	52	.1	S
202	Inorganic chemicals, n.e.c.	655	.2	956	.4	158	.4	201
203	Cyclic hydrocarbons	27	–	S	S	3	–	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	169	–	75	–	69	.2	412
205	Organic chemicals, n.e.c.	1 554	.5	550	.2	379	.9	S
210	Pharmaceutical products	19 008	6.2	342	.1	128	.3	440
220	Fertilizers and fertilizer materials	S	S	S	S	S	S	160
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	1 470	.5	532	.2	156	.4	S
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	1 959	.6	682	.3	558	1.3	243
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	396	.1	182	–	95	.2	301
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	1 837	.6	95	–	32	–	451
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	142	–	S	S	5	–	164
239	Other chemical products and preparations	1 005	.3	497	.2	137	.3	181
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	1 918	.6	844	.3	352	.8	452
242	Manmade fibers and plastics basic shapes and articles	8 968	2.9	2 175	.8	1 366	3.1	445

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities—Con.							
243	Rubber articles	1 742	.6	S	S	S	S	194
250	Logs and other wood in the rough	S	S	S	S	S	S	102
261	Wood chips or particles	147	–	S	S	308	.7	30
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	2 535	.8	3 209	1.3	1 297	2.9	376
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	667	.2	986	.4	451	1.0	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	1 145	.4	192	–	35	–	112
269	Other wood products	694	.2	1 729	.7	365	.8	604
271	Pulp of fibrous cellulosic materials	S	S	981	.4	S	S	909
272	Newsprint in large rolls or sheets	19	–	21	–	S	S	309
273	Uncoated paper and paperboard in large rolls or sheets	2 850	.9	2 505	1.0	1 597	3.6	119
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	4 617	1.5	3 548	1.4	3 161	7.1	357
280	Paper or paperboard articles	6 689	2.2	2 764	1.1	1 108	2.5	345
291	Printed books, brochures, leaflets, and similar printed products	7 320	2.4	526	.2	259	.6	828
292	Newspapers, journals, and periodicals	3 361	1.1	2 168	.8	61	.1	S
293	Advertising material, commercial or trade catalogues, and similar printed products	1 797	.6	626	.2	188	.4	831
299	Other printed products	2 124	.7	270	.1	155	.3	418
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	2 023	.7	262	.1	211	.5	926
302	Textile clothing and accessories, and headgear, except safety	5 624	1.8	161	–	122	.3	997
303	Textiles and textile articles, n.e.c.	4 065	1.3	512	.2	419	.9	1 017
304	Footwear	2 431	.8	97	–	110	.2	1 336
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 066	.3	55	–	50	.1	1 065
311	Hydraulic cements	S	S	S	S	S	S	109
312	Ceramic products	661	.2	575	.2	112	.3	836
313	Glass and glass products	510	.2	290	.1	192	.4	982
319	Other nonmetallic mineral products	1 588	.5	19 885	7.8	1 345	3.0	109
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	995	.3	797	.3	353	.8	379
322	Flat-rolled products of iron or steel	1 840	.6	S	S	S	S	246
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	1 909	.6	2 285	.9	808	1.8	269
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	6 120	2.0	2 302	.9	1 884	4.2	294
331	Pipes, tubes, and fittings	1 298	.4	451	.2	S	S	238
332	Structures and parts, except prefabricated buildings	608	.2	242	–	90	.2	344
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	4 742	1.5	605	.2	248	.6	341
339	Other articles of metal	2 835	.9	1 039	.4	S	S	479
341	Internal-combustion piston engines	579	.2	41	–	14	–	137
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	5 994	1.9	80	–	28	–	483
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	1 843	.6	137	–	115	.3	416
344	Air-conditioning, refrigerating, or freezing equipment	268	–	38	–	S	S	450
345	Materials-handling, excavating, boring, and related machinery and equipment	572	.2	104	–	26	–	S
349	Other machinery	9 821	3.2	479	.2	281	.6	401
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	1 604	.5	68	–	52	.1	494
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	421	.1	30	–	12	–	394
353	Line telephone or telegraph apparatus	7 886	2.6	36	–	29	–	798
354	Electronic entertainment products, except parts	1 451	.5	48	–	49	.1	783
355	Computer and office equipment	18 602	6.0	121	–	85	.2	850
356	Prepared unrecorded or prerecorded media	3 083	1.0	30	–	S	S	1 131
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	2 320	.8	16	–	15	–	1 009
358	Electronic components and parts	15 747	5.1	100	–	55	.1	707
359	Other electronic and electrical equipment	16 019	5.2	924	.4	655	1.5	497
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	429	.1	91	–	S	S	36
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	164	–	S	S	3	–	S
363	Other vehicles	581	.2	59	–	19	–	379
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	6 377	2.1	831	.3	262	.6	119
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	S	S	S	S	S	S	484
372	Aircraft and spacecraft	4 846	1.6	22	–	16	–	716
373	Ships, boats, and floating structures	3 167	1.0	44	–	12	–	997
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	1 098	.4	7	–	9	–	1 174
382	Photographic and photocopying machines	817	.3	23	–	6	–	549
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	816	.3	53	–	42	–	955
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 090	2.6	96	–	56	.1	611
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	5 184	1.7	53	–	54	.1	924

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	3 142	1.0	483	.2	234	.5	640
401	Arms and ammunition	851	.3	S	S	22	–	1 087
402	Toys, games, and sporting equipment	3 818	1.2	254	.1	281	.6	1 212
409	Miscellaneous manufactured products	22 004	7.1	4 154	1.6	S	S	914
411	Metallic waste and scrap	2 150	.7	4 279	1.7	1 915	4.3	185
412	Nonmetallic waste and scrap, except from food processing	S	S	S	S	S	S	226
439	Mixed freight	3 436	1.1	1 569	.6	126	.3	S
—	Commodity unknown	1 979	.6	912	.4	S	S	916

– 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	**308 275**	**100.0**	**256 341**	**100.0**	**44 473**	**100.0**	**515**
Single modes	**227 863**	**73.9**	**250 608**	**97.8**	**39 873**	**89.7**	**179**
Truck[1]	202 615	65.7	239 078	93.3	31 407	70.6	129
For-hire truck	113 431	36.8	68 470	26.7	18 759	42.2	506
Private truck	87 809	28.5	164 896	64.3	12 284	27.6	44
Rail	3 252	1.1	7 601	3.0	7 594	17.1	1 127
Water	2 910	.9	S	S	S	S	S
Shallow draft	1	–	S	S	S	S	12
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 908	.9	S	S	S	S	S
Air (includes truck and air)	18 527	6.0	277	.1	442	1.0	1 353
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**70 931**	**23.0**	**1 964**	**.8**	**2 412**	**5.4**	**866**
Parcel, U.S. Postal Service or courier	69 736	22.6	1 387	.5	1 159	2.6	866
Truck and rail	980	.3	283	.1	603	1.4	1 872
Truck and water	214	–	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	**9 481**	**3.1**	**3 768**	**1.5**	**2 188**	**4.9**	**185**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Truck[1]	S	S	S	S	S	S	51
For-hire truck	S	S	S	S	S	S	130
Private truck	S	S	S	S	S	S	51
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 610
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**89**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	89
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
SCTG 02, CEREAL GRAINS							
Total	**S**	**S**	**15**	**100.0**	**9**	**100.0**	**414**
Single modes	**S**	**S**	**14**	**93.2**	**9**	**99.9**	**551**
Truck[1]	S	S	S	S	S	S	551
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	551
Rail	1	11.6	9	62.2	5	61.4	594
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**	**81**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	81
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**4**

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	**2 286**	**100.0**	**3 873**	**100.0**	**561**	**100.0**	**286**
Single modes	**2 225**	**97.4**	**3 869**	**99.9**	**559**	**99.7**	**S**
Truck[1]	2 225	97.4	3 869	99.9	559	99.7	S
For-hire truck	614	26.8	1 745	45.1	434	77.4	281
Private truck	1 612	70.5	2 124	54.8	S	S	37
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 639
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**878**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	878
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Truck[1]	S	S	S	S	S	S	S
For-hire truck	37	5.9	132	6.4	22	7.9	S
Private truck	S	S	S	S	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**173**	**27.3**	**108**	**5.2**	**S**	**S**	**1 198**
Parcel, U.S. Postal Service or courier	S	S	–	–	–	–	1 215
Truck and rail	86	13.6	73	3.6	S	S	1 192
Truck and water	86	13.6	34	1.7	10	3.5	280
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**6**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**5 756**	**100.0**	**1 767**	**100.0**	**547**	**100.0**	**222**
Single modes	**5 648**	**98.1**	**1 743**	**98.6**	**520**	**95.1**	**139**
Truck[1]	5 577	96.9	1 733	98.0	509	93.0	126
For-hire truck	1 757	30.5	468	26.5	392	71.8	672
Private truck	3 350	58.2	1 143	64.7	102	18.7	60
Rail	S	S	S	S	S	S	3 307
Water	S	S	S	S	S	S	37
Shallow draft	S	S	S	S	S	S	1
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	54
Air (includes truck and air)	S	S	S	S	8	1.5	1 310
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 150**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 150
Truck and rail	S	S	S	S	S	S	3 328
Truck and water	S	S	S	S	S	S	282
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**59**	**1.0**	**16**	**.9**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**4 573**	**100.0**	**2 754**	**100.0**	**603**	**100.0**	**120**
Single modes	**4 501**	**98.4**	**2 727**	**99.0**	**563**	**93.3**	**83**
Truck[1]	4 499	98.4	2 726	99.0	560	92.9	83
For-hire truck	1 398	30.6	897	32.6	398	66.1	254
Private truck	3 090	67.6	1 823	66.2	161	26.7	58
Rail	S	S	S	S	S	S	3 760
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	535
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**699**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	620
Truck and rail	S	S	S	S	S	S	3 262
Truck and water	S	S	S	S	S	S	7 892
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**119**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**10 187**	**100.0**	**9 726**	**100.0**	**2 052**	**100.0**	**208**
Single modes	**9 522**	**93.5**	**9 449**	**97.1**	**1 866**	**90.9**	**106**
Truck[1]	9 501	93.3	9 434	97.0	1 842	89.8	104
For-hire truck	2 615	25.7	2 146	22.1	1 148	55.9	865
Private truck	6 609	64.9	7 253	74.6	665	32.4	72
Rail	17	.2	14	.1	23	1.1	1 263
Water	S	S	S	S	S	S	297
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	297
Air (includes truck and air)	S	S	S	S	S	S	1 963
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**728**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	725
Truck and rail	S	S	S	S	S	S	1 902
Truck and water	S	S	S	S	S	S	8 191
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**4 233**	**100.0**	**3 137**	**100.0**	**212**	**100.0**	**27**
Single modes	**4 197**	**99.1**	**3 133**	**99.9**	**209**	**98.6**	**26**
Truck[1]	4 197	99.1	3 133	99.9	209	98.6	26
For-hire truck	411	9.7	561	17.9	129	60.9	98
Private truck	3 786	89.4	2 572	82.0	80	37.6	25
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**251**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	24
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	271
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 09, TOBACCO PRODUCTS							
Total	**2 186**	**100.0**	**144**	**100.0**	**24**	**100.0**	**147**
Single modes	**2 100**	**96.1**	**139**	**96.5**	**21**	**88.0**	**S**
Truck[1]	2 099	96.1	139	96.4	21	86.7	60
For-hire truck	115	5.3	7	5.1	11	47.2	1 122
Private truck	1 984	90.8	131	91.4	9	39.4	40
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	4 712
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 343**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 343
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**30**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**139**	**100.0**	**465**	**100.0**	**74**	**100.0**	**289**
Single modes	**135**	**97.1**	**451**	**96.9**	**72**	**97.6**	**296**
Truck[1]	135	97.1	451	96.9	72	97.6	296
For-hire truck	97	69.6	243	52.3	65	87.7	433
Private truck	34	24.8	S	S	5	6.7	38
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**18**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**138**	**100.0**	**17 274**	**100.0**	**684**	**100.0**	**S**
Single modes	**133**	**97.0**	**17 075**	**98.8**	**586**	**85.6**	**S**
Truck[1]	133	96.9	17 064	98.8	565	82.6	S
For-hire truck	41	30.0	2 690	15.6	269	39.4	S
Private truck	80	58.2	12 461	72.1	S	S	21
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 485
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**136**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	136
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**4**	**3.0**	**199**	**1.2**	**98**	**14.4**	**614**

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	**401**	**100.0**	**45 544**	**100.0**	**1 108**	**100.0**	**19**
Single modes	**400**	**99.7**	**45 434**	**99.8**	**1 106**	**99.8**	**19**
Truck[1]	364	90.7	44 139	96.9	830	74.9	17
For-hire truck	72	18.0	5 954	13.1	247	22.2	S
Private truck	276	68.8	35 675	78.3	521	47.0	14
Rail	S	S	S	S	S	S	400
Water	S	S	S	S	S	S	62
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	62
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**357**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	441
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	205
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**5**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**451**	**100.0**	**4 174**	**100.0**	**597**	**100.0**	**177**
Single modes	**420**	**93.0**	**3 941**	**94.4**	**566**	**94.8**	**174**
Truck[1]	410	90.8	3 726	89.3	440	73.7	172
For-hire truck	315	69.8	1 777	42.6	409	68.6	459
Private truck	95	21.0	S	S	30	5.1	43
Rail	10	2.2	215	5.1	126	21.1	591
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**	**378**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	378
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**179**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**S**	**S**	**50**	**100.0**	**S**	**S**	**308**
Single modes	**S**	**S**	**46**	**92.4**	**S**	**S**	**297**
Truck[1]	S	S	46	92.2	S	S	297
For-hire truck	S	S	S	S	S	S	323
Private truck	S	S	S	S	S	S	294
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	403
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**345**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	345
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**183**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 15, COAL							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**40**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**43**
Truck[1]	S	S	S	S	S	S	43
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	43
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**2**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**4 202**	**100.0**	**14 626**	**100.0**	**470**	**100.0**	**30**
Single modes	**4 199**	**99.9**	**14 613**	**99.9**	**469**	**99.8**	**30**
Truck[1]	3 803	90.5	12 945	88.5	389	82.6	30
For-hire truck	489	11.6	1 846	12.6	37	7.8	S
Private truck	3 226	76.8	10 787	73.8	339	72.1	32
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	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**	**27**
SCTG 18, FUEL OILS							
Total	**2 469**	**100.0**	**13 222**	**100.0**	**872**	**100.0**	**27**
Single modes	**2 469**	**100.0**	**13 222**	**100.0**	**872**	**100.0**	**27**
Truck[1]	2 295	93.0	12 105	91.6	742	85.1	27
For-hire truck	403	16.3	2 108	15.9	52	6.0	21
Private truck	1 879	76.1	9 926	75.1	S	S	27
Rail	S	S	S	S	S	S	163
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	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**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**687**	**100.0**	**12 292**	**100.0**	**168**	**100.0**	**33**
Single modes	**672**	**97.7**	**12 227**	**99.5**	**168**	**99.6**	**28**
Truck[1]	672	97.7	12 227	99.5	168	99.6	27
For-hire truck	163	23.7	4 993	40.6	44	26.2	S
Private truck	509	74.0	7 234	58.9	124	73.4	25
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	995
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**–**	**.2**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	198
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 20, BASIC CHEMICALS							
Total	**2 459**	**100.0**	**1 846**	**100.0**	**660**	**100.0**	**182**
Single modes	**2 195**	**89.3**	**1 815**	**98.3**	**642**	**97.3**	**S**
Truck[1]	2 065	84.0	1 568	84.9	510	77.2	S
For-hire truck	1 365	55.5	677	36.7	424	64.3	482
Private truck	692	28.1	873	47.3	85	12.8	28
Rail	85	3.4	247	13.4	133	20.1	543
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 944
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**164**	**6.7**	**10**	**.5**	**S**	**S**	**846**
Parcel, U.S. Postal Service or courier	146	5.9	4	.2	3	.5	847
Truck and rail	S	S	S	S	S	S	512
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**672**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**19 008**	**100.0**	**342**	**100.0**	**128**	**100.0**	**440**
Single modes	**11 448**	**60.2**	**251**	**73.5**	**78**	**61.0**	**397**
Truck[1]	9 786	51.5	235	68.7	59	45.8	157
For-hire truck	7 216	38.0	166	48.6	53	41.3	S
Private truck	2 570	13.5	69	20.1	6	4.6	71
Rail	S	S	S	S	S	S	382
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	12	3.4	18	13.8	1 447
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**7 420**	**39.0**	**82**	**23.9**	**37**	**29.1**	**490**
Parcel, U.S. Postal Service or courier	7 420	39.0	82	23.9	37	29.1	490
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**540**

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	**S**	**S**	**S**	**S**	**S**	**S**	**160**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**106**
Truck[1]	S	S	S	S	S	S	106
For-hire truck	S	S	8	.7	S	S	533
Private truck	S	S	S	S	S	S	87
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**575**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	575
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**6**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**6 808**	**100.0**	**2 026**	**100.0**	**984**	**100.0**	**248**
Single modes	**6 095**	**89.5**	**1 970**	**97.2**	**968**	**98.3**	**161**
Truck[1]	5 725	84.1	1 832	90.4	710	72.2	153
For-hire truck	3 258	47.9	1 058	52.2	638	64.8	519
Private truck	2 457	36.1	769	38.0	72	7.3	40
Rail	304	4.5	133	6.5	S	S	1 981
Water	S	S	S	S	S	S	7
Shallow draft	S	S	S	S	S	S	7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	5	.2	S	S	979
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**623**	**9.2**	**36**	**1.8**	**11**	**1.2**	**423**
Parcel, U.S. Postal Service or courier	616	9.0	34	1.7	11	1.1	423
Truck and rail	S	S	S	S	S	S	305
Truck and water	S	S	S	S	S	S	105
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**90**	**1.3**	**20**	**1.0**	**5**	**.5**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**12 628**	**100.0**	**17 444**	**100.0**	**3 736**	**100.0**	**387**
Single modes	**10 323**	**81.7**	**17 116**	**98.1**	**3 535**	**94.6**	**200**
Truck[1]	10 112	80.1	17 002	97.5	3 489	93.4	186
For-hire truck	6 249	49.5	1 932	11.1	1 429	38.3	619
Private truck	3 849	30.5	15 068	86.4	S	S	67
Rail	S	S	S	S	S	S	1 220
Water	S	S	S	S	S	S	67
Shallow draft	S	S	S	S	S	S	67
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	136	1.1	5	–	5	.1	1 228
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 779**	**14.1**	**154**	**.9**	**155**	**4.1**	**638**
Parcel, U.S. Postal Service or courier	1 708	13.5	118	.7	76	2.0	638
Truck and rail	S	S	S	S	S	S	1 906
Truck and water	S	S	S	S	S	S	8 083
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**526**	**4.2**	**174**	**1.0**	**46**	**1.2**	**95**

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	**S**	**S**	**S**	**S**	**S**	**S**	**102**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**102**
Truck[1]	S	S	S	S	S	S	102
For-hire truck	S	S	S	S	S	S	S
Private truck	216	35.8	S	S	S	S	187
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**232**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	232
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**43**
SCTG 26, WOOD PRODUCTS							
Total	**5 188**	**100.0**	**15 573**	**100.0**	**2 456**	**100.0**	**274**
Single modes	**5 015**	**96.7**	**15 468**	**99.3**	**2 357**	**96.0**	**118**
Truck[1]	4 816	92.8	15 071	96.8	1 884	76.7	113
For-hire truck	1 711	33.0	S	S	1 252	51.0	275
Private truck	3 071	59.2	6 655	42.7	586	23.9	63
Rail	192	3.7	397	2.6	472	19.2	1 198
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 717
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**114**	**2.2**	**39**	**.3**	**85**	**3.5**	**972**
Parcel, U.S. Postal Service or courier	87	1.7	9	–	8	.3	970
Truck and rail	21	.4	27	.2	77	3.1	2 938
Truck and water	S	S	S	S	S	S	168
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**59**	**1.1**	**65**	**.4**	**13**	**.5**	**438**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**7 785**	**100.0**	**7 054**	**100.0**	**5 553**	**100.0**	**214**
Single modes	**7 582**	**97.4**	**6 936**	**98.3**	**5 397**	**97.2**	**184**
Truck[1]	6 191	79.5	5 208	73.8	2 993	53.9	169
For-hire truck	4 802	61.7	3 854	54.6	2 823	50.8	593
Private truck	1 388	17.8	1 354	19.2	170	3.1	45
Rail	1 383	17.8	1 727	24.5	2 403	43.3	1 410
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	967
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**109**	**1.4**	**52**	**.7**	**S**	**S**	**514**
Parcel, U.S. Postal Service or courier	65	.8	8	.1	6	.1	494
Truck and rail	44	.6	44	.6	S	S	2 639
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**95**	**1.2**	**67**	**.9**	**S**	**S**	**266**

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	**6 689**	**100.0**	**2 764**	**100.0**	**1 108**	**100.0**	**345**
Single modes	**6 094**	**91.1**	**2 637**	**95.4**	**1 039**	**93.8**	**166**
Truck[1]	5 901	88.2	2 559	92.6	834	75.3	132
For-hire truck	3 326	49.7	1 379	49.9	725	65.4	639
Private truck	2 552	38.1	1 169	42.3	109	9.9	43
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 651
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**448**	**6.7**	**61**	**2.2**	**55**	**4.9**	**811**
Parcel, U.S. Postal Service or courier	406	6.1	48	1.7	29	2.6	810
Truck and rail	S	S	S	S	S	S	2 675
Truck and water	S	S	S	S	S	S	400
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**146**	**2.2**	**66**	**2.4**	**14**	**1.3**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**14 602**	**100.0**	**3 590**	**100.0**	**663**	**100.0**	**410**
Single modes	**8 685**	**59.5**	**3 337**	**93.0**	**486**	**73.3**	**S**
Truck[1]	8 484	58.1	3 331	92.8	478	72.2	S
For-hire truck	3 841	26.3	1 266	35.3	416	62.8	234
Private truck	4 636	31.7	2 065	57.5	62	9.3	11
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	108
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	108
Air (includes truck and air)	S	S	6	.2	7	1.1	1 273
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 722**	**32.3**	**181**	**5.0**	**154**	**23.2**	**783**
Parcel, U.S. Postal Service or courier	4 720	32.3	181	5.0	153	23.1	783
Truck and rail	S	S	S	S	S	S	3 368
Truck and water	S	S	S	S	S	S	8 047
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**71**	**2.0**	**S**	**S**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**15 209**	**100.0**	**1 088**	**100.0**	**912**	**100.0**	**1 040**
Single modes	**9 991**	**65.7**	**909**	**83.5**	**692**	**75.8**	**981**
Truck[1]	9 803	64.5	903	83.0	683	74.9	912
For-hire truck	7 651	50.3	624	57.3	533	58.4	1 062
Private truck	2 100	13.8	270	24.8	136	14.9	569
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	189	1.2	5	.5	9	.9	1 310
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 953**	**32.6**	**153**	**14.0**	**208**	**22.8**	**1 060**
Parcel, U.S. Postal Service or courier	4 888	32.1	126	11.6	138	15.1	1 060
Truck and rail	S	S	S	S	S	S	2 723
Truck and water	20	.1	23	2.1	S	S	3 204
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**264**	**1.7**	**27**	**2.5**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	**2 759**	**100.0**	**20 754**	**100.0**	**1 649**	**100.0**	**648**
Single modes	**2 065**	**74.8**	**20 134**	**97.0**	**1 130**	**68.5**	**100**
Truck[1]	1 958	71.0	19 567	94.3	898	54.4	92
For-hire truck	677	24.6	3 457	16.7	436	26.4	371
Private truck	1 281	46.4	16 110	77.6	462	28.0	34
Rail	S	S	S	S	S	S	600
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	16	–	S	S	454
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**348**	**12.6**	**26**	**.1**	**24**	**1.4**	**1 167**
Parcel, U.S. Postal Service or courier	330	12.0	18	–	17	1.0	1 167
Truck and rail	S	S	S	S	S	S	3 196
Truck and water	S	S	S	S	S	S	49
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**594**	**2.9**	**S**	**S**	**507**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**10 864**	**100.0**	**9 903**	**100.0**	**6 458**	**100.0**	**280**
Single modes	**9 765**	**89.9**	**8 988**	**90.8**	**S**	**S**	**163**
Truck[1]	8 945	82.3	5 865	59.2	2 292	35.5	154
For-hire truck	5 273	48.5	2 796	28.2	1 868	28.9	573
Private truck	3 595	33.1	2 847	28.7	322	5.0	56
Rail	S	S	S	S	S	S	1 357
Water	S	S	S	S	S	S	100
Shallow draft	S	S	S	S	S	S	100
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	106	1.0	16	.2	10	.2	1 257
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**756**	**7.0**	**78**	**.8**	**S**	**S**	**629**
Parcel, U.S. Postal Service or courier	718	6.6	73	.7	S	S	629
Truck and rail	S	S	S	S	S	S	2 849
Truck and water	S	S	S	S	S	S	2 877
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**343**	**3.2**	**837**	**8.5**	**669**	**10.4**	**272**
SCTG 33, ARTICLES OF BASE METAL							
Total	**9 482**	**100.0**	**2 337**	**100.0**	**1 079**	**100.0**	**345**
Single modes	**6 123**	**64.6**	**2 067**	**88.5**	**908**	**84.2**	**201**
Truck[1]	6 030	63.6	2 059	88.1	889	82.4	180
For-hire truck	3 339	35.2	981	42.0	776	71.9	691
Private truck	2 666	28.1	1 021	43.7	95	8.8	55
Rail	S	S	S	S	S	S	343
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	94	1.0	8	.3	19	1.7	1 278
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 654**	**28.0**	**97**	**4.2**	**66**	**6.1**	**517**
Parcel, U.S. Postal Service or courier	2 654	28.0	97	4.1	66	6.1	517
Truck and rail	S	S	S	S	S	S	450
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**705**	**7.4**	**172**	**7.4**	**105**	**9.8**	**59**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 34, MACHINERY							
Total	**19 078**	**100.0**	**880**	**100.0**	**479**	**100.0**	**375**
Single modes	**14 019**	**73.5**	**763**	**86.7**	**421**	**87.8**	**218**
Truck[1]	12 264	64.3	750	85.2	408	85.1	159
For-hire truck	9 070	47.5	526	59.7	370	77.2	608
Private truck	3 194	16.7	224	25.5	38	7.9	46
Rail	S	S	S	S	S	S	745
Water	S	S	S	S	S	S	116
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	116
Air (includes truck and air)	1 615	8.5	12	1.3	12	2.5	1 339
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**4 358**	**22.8**	**65**	**7.4**	**40**	**8.3**	**513**
Parcel, U.S. Postal Service or courier	4 358	22.8	65	7.4	40	8.3	513
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**701**	**3.7**	**51**	**5.8**	**19**	**3.9**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**67 133**	**100.0**	**1 373**	**100.0**	**978**	**100.0**	**678**
Single modes	**42 268**	**63.0**	**1 150**	**83.8**	**788**	**80.5**	**351**
Truck[1]	32 300	48.1	1 089	79.3	713	72.9	199
For-hire truck	21 429	31.9	574	41.8	500	51.1	774
Private truck	10 697	15.9	484	35.2	201	20.6	49
Rail	S	S	S	S	S	S	2 326
Water	S	S	S	S	S	S	25
Shallow draft	S	S	S	S	S	S	25
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	9 927	14.8	59	4.3	65	6.7	1 426
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**22 495**	**33.5**	**143**	**10.4**	**125**	**12.8**	**957**
Parcel, U.S. Postal Service or courier	22 289	33.2	142	10.3	123	12.5	957
Truck and rail	S	S	S	S	S	S	2 374
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	152
Other and unknown modes	**2 369**	**3.5**	**79**	**5.8**	**S**	**S**	**144**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**7 551**	**100.0**	**1 019**	**100.0**	**288**	**100.0**	**134**
Single modes	**6 072**	**80.4**	**881**	**86.5**	**256**	**89.0**	**S**
Truck[1]	6 021	79.7	878	86.2	253	88.0	S
For-hire truck	3 762	49.8	362	35.6	206	71.7	664
Private truck	2 238	29.6	511	50.2	46	16.0	S
Rail	S	S	S	S	S	S	1 230
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	49	.7	2	.2	3	.9	1 044
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**925**	**12.3**	**46**	**4.5**	**28**	**9.7**	**488**
Parcel, U.S. Postal Service or courier	925	12.3	46	4.5	28	9.7	488
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**553**	**7.3**	**92**	**9.1**	**4**	**1.3**	**23**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**8 083**	**100.0**	**72**	**100.0**	**30**	**100.0**	**721**
Single modes	**6 965**	**86.2**	**69**	**96.1**	**28**	**93.4**	**572**
Truck[1]	3 526	43.6	36	49.9	25	85.7	431
For-hire truck	2 236	27.7	30	40.9	23	76.4	842
Private truck	1 290	16.0	6	8.9	3	9.3	144
Rail	S	S	S	S	S	S	422
Water	2 857	35.4	30	41.8	–	.3	3
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	2 857	35.4	30	41.8	–	.3	3
Air (includes truck and air)	581	7.2	2	2.4	2	5.3	960
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 079**	**13.4**	**2**	**3.4**	**2**	**6.2**	**990**
Parcel, U.S. Postal Service or courier	1 079	13.4	2	3.4	2	6.2	990
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38**	**.5**	**S**	**S**	**S**	**S**	**909**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**16 005**	**100.0**	**233**	**100.0**	**166**	**100.0**	**817**
Single modes	**8 713**	**54.4**	**182**	**78.3**	**127**	**76.7**	**652**
Truck[1]	6 619	41.4	176	75.6	118	71.0	417
For-hire truck	5 170	32.3	138	59.2	111	67.1	725
Private truck	1 449	9.1	38	16.4	6	3.9	120
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	86
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	86
Air (includes truck and air)	2 092	13.1	6	2.7	9	5.7	1 359
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 939**	**43.4**	**45**	**19.5**	**33**	**19.9**	**850**
Parcel, U.S. Postal Service or courier	6 939	43.4	45	19.5	33	19.9	850
Truck and rail	S	S	S	S	S	S	1 660
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**352**	**2.2**	**5**	**2.2**	**6**	**3.3**	**520**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**3 142**	**100.0**	**483**	**100.0**	**234**	**100.0**	**640**
Single modes	**2 934**	**93.4**	**455**	**94.2**	**210**	**90.1**	**364**
Truck[1]	2 867	91.2	452	93.4	209	89.6	351
For-hire truck	1 643	52.3	276	57.1	186	79.4	683
Private truck	1 224	39.0	175	36.3	24	10.2	91
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 009
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**162**	**5.2**	**22**	**4.6**	**22**	**9.4**	**1 180**
Parcel, U.S. Postal Service or courier	149	4.7	11	2.3	13	5.5	1 182
Truck and rail	S	S	S	S	S	S	3 071
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**46**	**1.5**	**6**	**1.2**	**1**	**.6**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**26 672**	**100.0**	**4 455**	**100.0**	**S**	**S**	**951**
Single modes	**16 670**	**62.5**	**4 178**	**93.8**	**S**	**S**	**472**
Truck[1]	15 174	56.9	4 040	90.7	S	S	404
For-hire truck	10 283	38.6	974	21.9	840	32.6	925
Private truck	4 884	18.3	S	S	S	S	99
Rail	S	S	S	S	S	S	869
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 333	5.0	12	.3	15	.6	1 304
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**9 241**	**34.6**	**208**	**4.7**	**228**	**8.8**	**1 079**
Parcel, U.S. Postal Service or courier	8 904	33.4	201	4.5	210	8.2	1 079
Truck and rail	S	S	S	S	S	S	2 591
Truck and water	S	S	S	S	S	S	7 935
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**762**	**2.9**	**69**	**1.5**	**57**	**2.2**	**370**
SCTG 41, WASTE AND SCRAP							
Total	**2 374**	**100.0**	**8 592**	**100.0**	**2 852**	**100.0**	**205**
Single modes	**2 201**	**92.7**	**8 165**	**95.0**	**2 209**	**77.4**	**197**
Truck[1]	2 135	90.0	7 679	89.4	1 836	64.4	193
For-hire truck	1 475	62.2	2 370	27.6	973	34.1	353
Private truck	660	27.8	S	S	S	S	138
Rail	39	1.7	273	3.2	187	6.6	669
Water	S	S	S	S	S	S	868
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	868
Air (includes truck and air)	S	S	S	S	S	S	1 004
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**318**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	316
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	2 782
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**312**
SCTG 43, MIXED FREIGHT							
Total	**3 436**	**100.0**	**1 569**	**100.0**	**126**	**100.0**	**S**
Single modes	**3 269**	**95.1**	**1 544**	**98.4**	**123**	**97.7**	**S**
Truck[1]	3 264	95.0	1 544	98.4	123	97.4	S
For-hire truck	112	3.3	S	S	6	4.6	575
Private truck	3 152	91.7	1 518	96.8	117	92.9	55
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	5	.1	–	–	–	.2	1 861
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**119**	**3.5**	**9**	**.6**	**1**	**.7**	**S**
Parcel, U.S. Postal Service or courier	117	3.4	9	.5	1	.6	S
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	118
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**48**	**1.4**	**S**	**S**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
COMMODITY UNKNOWN							
Total	**1 979**	**100.0**	**912**	**100.0**	**S**	**S**	**916**
Single modes	**1 306**	**66.0**	**656**	**72.0**	**184**	**37.0**	**S**
Truck[1]	1 286	65.0	646	70.9	171	34.5	S
For-hire truck	612	30.9	176	19.3	S	S	727
Private truck	S	S	443	48.6	38	7.7	S
Rail	S	S	S	S	S	S	1 272
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	–	–	–	–	1 488
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**511**	**25.8**	**8**	**.8**	**9**	**1.8**	**1 415**
Parcel, U.S. Postal Service or courier	493	24.9	7	.8	8	1.7	1 415
Truck and rail	S	S	S	S	S	S	1 068
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 339**

– 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	**308 275**	**256 341**	**44 473**
Less than 50 miles	97 125	165 519	3 249
50 to 99 miles	33 142	32 630	3 011
100 to 249 miles	45 380	28 501	6 060
250 to 499 miles	25 555	9 654	4 710
500 to 749 miles	20 274	4 437	3 416
750 to 999 miles	25 412	8 024	8 773
1,000 to 1,499 miles	23 307	3 810	5 368
1,500 to 1,999 miles	11 247	1 492	3 094
2,000 miles or more	26 834	2 274	6 792
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**S**	**15**	**9**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	–	–	–
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**2 286**	**3 873**	**561**
Less than 50 miles	1 480	1 719	49
50 to 99 miles	215	S	S
100 to 249 miles	413	990	230
250 to 499 miles	S	S	S
500 to 749 miles	6	3	2
750 to 999 miles	S	S	4
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	2	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	136	180	38
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	9	19
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**5 756**	**1 767**	**547**
Less than 50 miles	2 702	906	27
50 to 99 miles	722	244	23
100 to 249 miles	697	178	35
250 to 499 miles	724	184	79
500 to 749 miles	164	41	31
750 to 999 miles	341	91	95
1,000 to 1,499 miles	224	65	91
1,500 to 1,999 miles	51	15	29
2,000 miles or more	131	45	137
SCTG 06, Milled grain products and preparations, and bakery products	**4 573**	**2 754**	**603**
Less than 50 miles	2 025	1 275	43
50 to 99 miles	845	530	51
100 to 249 miles	1 021	525	97
250 to 499 miles	280	180	73
500 to 749 miles	113	79	61
750 to 999 miles	93	43	42
1,000 to 1,499 miles	112	74	99
1,500 to 1,999 miles	S	S	S
2,000 miles or more	60	26	89
SCTG 07, Other prepared foodstuffs and fats and oils	**10 187**	**9 726**	**2 052**
Less than 50 miles	3 922	4 843	126
50 to 99 miles	1 622	1 621	155
100 to 249 miles	2 304	1 770	378
250 to 499 miles	716	568	247
500 to 749 miles	302	255	190
750 to 999 miles	418	220	210
1,000 to 1,499 miles	561	297	389
1,500 to 1,999 miles	S	57	93
2,000 miles or more	213	94	265

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	**4 233**	**3 137**	**212**
Less than 50 miles	3 633	2 563	57
50 to 99 miles	278	288	28
100 to 249 miles	133	173	36
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 09, Tobacco products	**2 186**	**144**	**24**
Less than 50 miles	1 502	77	2
50 to 99 miles	398	38	4
100 to 249 miles	S	20	4
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	26	3	4
1,500 to 1,999 miles	16	S	S
2,000 miles or more	61	2	7
SCTG 10, Monumental or building stone	**139**	**465**	**74**
Less than 50 miles	50	262	5
50 to 99 miles	23	71	8
100 to 249 miles	45	90	16
250 to 499 miles	12	10	5
500 to 749 miles	2	S	S
750 to 999 miles	4	9	9
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**138**	**17 274**	**684**
Less than 50 miles	98	14 768	238
50 to 99 miles	15	S	S
100 to 249 miles	15	809	150
250 to 499 miles	5	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	18	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**401**	**45 544**	**1 108**
Less than 50 miles	332	43 998	655
50 to 99 miles	15	S	S
100 to 249 miles	S	250	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**451**	**4 174**	**597**
Less than 50 miles	100	S	34
50 to 99 miles	66	526	47
100 to 249 miles	154	1 000	212
250 to 499 miles	44	237	113
500 to 749 miles	12	24	18
750 to 999 miles	32	55	58
1,000 to 1,499 miles	10	39	62
1,500 to 1,999 miles	12	11	23
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**S**	**50**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	–	–	–
100 to 249 miles	–	–	–
250 to 499 miles	–	–	–
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 17, Gasoline and aviation turbine fuel	**4 202**	**14 626**	**470**
Less than 50 miles	3 474	11 965	245
50 to 99 miles	666	2 563	209
100 to 249 miles	62	97	16
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	–	–	–
SCTG 18, Fuel oils	**2 469**	**13 222**	**872**
Less than 50 miles	1 585	7 896	139
50 to 99 miles	597	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**687**	**12 292**	**168**
Less than 50 miles	553	11 972	125
50 to 99 miles	91	233	21
100 to 249 miles	31	64	12
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	1	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**2 459**	**1 846**	**660**
Less than 50 miles	762	606	21
50 to 99 miles	316	367	33
100 to 249 miles	463	384	85
250 to 499 miles	157	191	96
500 to 749 miles	172	81	60
750 to 999 miles	194	69	72
1,000 to 1,499 miles	143	S	S
1,500 to 1,999 miles	98	28	57
2,000 miles or more	154	34	101
SCTG 21, Pharmaceutical products	**19 008**	**342**	**128**
Less than 50 miles	3 581	75	3
50 to 99 miles	3 739	S	S
100 to 249 miles	S	S	22
250 to 499 miles	988	15	6
500 to 749 miles	903	15	12
750 to 999 miles	851	6	6
1,000 to 1,499 miles	S	16	23
1,500 to 1,999 miles	S	8	14
2,000 miles or more	S	12	33
SCTG 22, Fertilizers	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**6 808**	**2 026**	**984**
Less than 50 miles	2 403	612	18
50 to 99 miles	871	342	27
100 to 249 miles	838	367	75
250 to 499 miles	620	153	64
500 to 749 miles	481	129	105
750 to 999 miles	883	253	257
1,000 to 1,499 miles	280	44	61
1,500 to 1,999 miles	49	9	18
2,000 miles or more	381	118	359
SCTG 24, Plastics and rubber	**12 628**	**17 444**	**3 736**
Less than 50 miles	3 559	S	S
50 to 99 miles	1 468	4 313	360
100 to 249 miles	2 261	S	S
250 to 499 miles	958	274	119
500 to 749 miles	1 155	282	211
750 to 999 miles	1 168	320	334
1,000 to 1,499 miles	722	147	207
1,500 to 1,999 miles	388	70	138
2,000 miles or more	949	210	617

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	**S**	**S**	**S**
Less than 50 miles	S	S	219
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 26, Wood products	**5 188**	**15 573**	**2 456**
Less than 50 miles	2 000	10 392	241
50 to 99 miles	933	2 171	199
100 to 249 miles	857	1 229	247
250 to 499 miles	451	671	302
500 to 749 miles	211	404	315
750 to 999 miles	271	338	355
1,000 to 1,499 miles	211	180	267
1,500 to 1,999 miles	47	44	84
2,000 miles or more	206	145	446
SCTG 27, Pulp, newsprint, paper, and paperboard	**7 785**	**7 054**	**5 553**
Less than 50 miles	1 409	1 322	35
50 to 99 miles	500	385	38
100 to 249 miles	830	851	190
250 to 499 miles	1 003	919	467
500 to 749 miles	721	713	537
750 to 999 miles	1 413	1 236	1 342
1,000 to 1,499 miles	1 301	1 204	1 724
1,500 to 1,999 miles	208	134	276
2,000 miles or more	402	289	944
SCTG 28, Paper or paperboard articles	**6 689**	**2 764**	**1 108**
Less than 50 miles	2 001	971	29
50 to 99 miles	1 033	440	41
100 to 249 miles	1 412	547	115
250 to 499 miles	586	261	113
500 to 749 miles	543	168	125
750 to 999 miles	301	116	119
1,000 to 1,499 miles	342	105	149
1,500 to 1,999 miles	75	22	42
2,000 miles or more	S	S	S
SCTG 29, Printed products	**14 602**	**3 590**	**663**
Less than 50 miles	6 533	2 320	39
50 to 99 miles	858	312	27
100 to 249 miles	2 922	514	107
250 to 499 miles	1 000	127	51
500 to 749 miles	614	87	64
750 to 999 miles	744	81	84
1,000 to 1,499 miles	737	73	101
1,500 to 1,999 miles	254	29	55
2,000 miles or more	941	46	136
SCTG 30, Textiles, leather, and articles of textiles or leather	**15 209**	**1 088**	**912**
Less than 50 miles	1 486	137	4
50 to 99 miles	1 255	120	11
100 to 249 miles	2 607	234	53
250 to 499 miles	1 779	88	40
500 to 749 miles	1 396	109	80
750 to 999 miles	2 010	112	110
1,000 to 1,499 miles	2 336	144	204
1,500 to 1,999 miles	784	48	94
2,000 miles or more	1 555	98	317
SCTG 31, Nonmetallic mineral products	**2 759**	**20 754**	**1 649**
Less than 50 miles	1 194	15 954	303
50 to 99 miles	492	2 459	214
100 to 249 miles	382	S	S
250 to 499 miles	130	172	75
500 to 749 miles	116	S	S
750 to 999 miles	134	130	127
1,000 to 1,499 miles	115	S	S
1,500 to 1,999 miles	85	18	38
2,000 miles or more	112	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**10 864**	**9 903**	**6 458**
Less than 50 miles	2 962	2 367	53
50 to 99 miles	1 130	827	79
100 to 249 miles	1 226	893	182
250 to 499 miles	1 393	948	419
500 to 749 miles	1 073	704	562
750 to 999 miles	1 505	S	S
1,000 to 1,499 miles	540	216	317
1,500 to 1,999 miles	158	S	S
2,000 miles or more	878	344	983

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	**9 482**	**2 337**	**1 079**
Less than 50 miles	3 574	865	26
50 to 99 miles	825	440	42
100 to 249 miles	1 290	310	60
250 to 499 miles	545	105	44
500 to 749 miles	1 007	205	147
750 to 999 miles	997	151	152
1,000 to 1,499 miles	577	76	105
1,500 to 1,999 miles	221	42	83
2,000 miles or more	445	S	S
SCTG 34, Machinery	**19 078**	**880**	**479**
Less than 50 miles	4 413	278	8
50 to 99 miles	2 400	76	7
100 to 249 miles	2 580	128	28
250 to 499 miles	1 816	106	46
500 to 749 miles	1 343	85	60
750 to 999 miles	2 459	102	104
1,000 to 1,499 miles	1 622	42	62
1,500 to 1,999 miles	514	23	45
2,000 miles or more	1 930	41	120
SCTG 35, Electronic and other electrical equipment and components and office equipment	**67 133**	**1 373**	**978**
Less than 50 miles	17 851	386	11
50 to 99 miles	4 229	104	10
100 to 249 miles	8 788	218	48
250 to 499 miles	6 137	134	56
500 to 749 miles	4 679	114	87
750 to 999 miles	6 072	112	117
1,000 to 1,499 miles	6 155	92	130
1,500 to 1,999 miles	3 865	105	203
2,000 miles or more	9 357	109	317
SCTG 36, Motorized and other vehicles (including parts)	**7 551**	**1 019**	**288**
Less than 50 miles	2 778	564	11
50 to 99 miles	S	170	16
100 to 249 miles	644	61	12
250 to 499 miles	275	23	10
500 to 749 miles	701	78	57
750 to 999 miles	563	58	59
1,000 to 1,499 miles	519	36	48
1,500 to 1,999 miles	106	11	21
2,000 miles or more	203	19	54
SCTG 37, Transportation equipment, n.e.c.	**8 083**	**72**	**30**
Less than 50 miles	4 945	39	–
50 to 99 miles	856	S	S
100 to 249 miles	473	8	2
250 to 499 miles	87	4	2
500 to 749 miles	354	2	1
750 to 999 miles	116	4	4
1,000 to 1,499 miles	424	5	7
1,500 to 1,999 miles	52	S	S
2,000 miles or more	775	3	10
SCTG 38, Precision instruments and apparatus	**16 005**	**233**	**166**
Less than 50 miles	2 971	49	1
50 to 99 miles	1 160	23	2
100 to 249 miles	1 983	28	6
250 to 499 miles	1 619	13	5
500 to 749 miles	1 642	65	50
750 to 999 miles	1 326	12	12
1,000 to 1,499 miles	1 901	15	21
1,500 to 1,999 miles	1 346	14	28
2,000 miles or more	2 058	14	40
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**3 142**	**483**	**234**
Less than 50 miles	1 023	139	4
50 to 99 miles	426	60	6
100 to 249 miles	514	121	26
250 to 499 miles	255	42	19
500 to 749 miles	120	25	19
750 to 999 miles	357	38	40
1,000 to 1,499 miles	231	28	39
1,500 to 1,999 miles	79	9	18
2,000 miles or more	136	20	63
SCTG 40, Miscellaneous manufactured products	**26 672**	**4 455**	**S**
Less than 50 miles	6 341	S	S
50 to 99 miles	1 799	407	39
100 to 249 miles	4 017	664	126
250 to 499 miles	3 177	186	78
500 to 749 miles	1 989	139	102
750 to 999 miles	2 532	181	190
1,000 to 1,499 miles	2 099	131	190
1,500 to 1,999 miles	1 260	S	S
2,000 miles or more	3 459	159	460

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	**2 374**	**8 592**	**2 852**
Less than 50 miles	349	2 596	86
50 to 99 miles	160	922	86
100 to 249 miles	586	S	S
250 to 499 miles	312	596	280
500 to 749 miles	S	S	S
750 to 999 miles	403	519	S
1,000 to 1,499 miles	95	109	154
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	**3 436**	**1 569**	**126**
Less than 50 miles	2 028	894	32
50 to 99 miles	782	396	37
100 to 249 miles	503	259	47
250 to 499 miles	89	17	6
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	4	S	S
Commodity unknown	**1 979**	**912**	**S**
Less than 50 miles	680	318	S
50 to 99 miles	205	101	9
100 to 249 miles	278	S	S
250 to 499 miles	112	33	14
500 to 749 miles	106	S	S
750 to 999 miles	154	S	S
1,000 to 1,499 miles	191	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	151	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	**308 275**	**256 341**	**44 473**
Less than 50 lb	70 922	1 182	566
50 to 99 lb	20 108	703	242
100 to 499 lb	58 234	4 048	1 061
500 to 749 lb	15 422	1 881	423
750 to 999 lb	8 870	1 588	386
1,000 to 9,999 lb	63 333	21 844	4 987
10,000 to 49,999 lb	53 828	104 107	16 965
50,000 to 99,999 lb	7 148	77 417	5 268
100,000 lb or more	10 410	43 572	14 575
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	–	–	–
750 to 999 lb	–	–	–
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**S**	**15**	**9**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	–	–	–
750 to 999 lb	S	S	S
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	1	9	5
SCTG 03, Other agricultural products	**2 286**	**3 873**	**561**
Less than 50 lb	100	7	S
50 to 99 lb	50	9	–
100 to 499 lb	162	65	2
500 to 749 lb	55	45	2
750 to 999 lb	72	41	1
1,000 to 9,999 lb	730	518	23
10,000 to 49,999 lb	500	S	S
50,000 to 99,999 lb	253	S	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**
Less than 50 lb	S	–	–
50 to 99 lb	1	–	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	S
50,000 to 99,999 lb	122	144	S
100,000 lb or more	60	43	S
SCTG 05, Meat, fish, seafood, and their preparations	**5 756**	**1 767**	**547**
Less than 50 lb	109	11	S
50 to 99 lb	172	21	2
100 to 499 lb	992	196	23
500 to 749 lb	416	99	12
750 to 999 lb	290	79	11
1,000 to 9,999 lb	2 681	859	250
10,000 to 49,999 lb	930	421	241
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**4 573**	**2 754**	**603**
Less than 50 lb	S	5	S
50 to 99 lb	45	17	1
100 to 499 lb	473	178	12
500 to 749 lb	198	92	10
750 to 999 lb	181	96	10
1,000 to 9,999 lb	1 969	1 156	220
10,000 to 49,999 lb	1 642	1 198	341
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	8	S
SCTG 07, Other prepared foodstuffs and fats and oils	**10 187**	**9 726**	**2 052**
Less than 50 lb	312	32	9
50 to 99 lb	222	32	5
100 to 499 lb	922	390	55
500 to 749 lb	497	281	41
750 to 999 lb	315	209	17
1,000 to 9,999 lb	3 020	1 980	328
10,000 to 49,999 lb	4 663	6 391	1 558
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 08, Alcoholic beverages	**4 233**	**3 137**	**212**
Less than 50 lb	S	10	–
50 to 99 lb	93	20	1
100 to 499 lb	909	391	10
500 to 749 lb	301	203	5
750 to 999 lb	296	195	4
1,000 to 9,999 lb	1 854	1 503	34
10,000 to 49,999 lb	692	807	158
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 09, Tobacco products	**2 186**	**144**	**24**
Less than 50 lb	193	4	1
50 to 99 lb	254	8	1
100 to 499 lb	806	36	4
500 to 749 lb	275	16	1
750 to 999 lb	104	7	S
1,000 to 9,999 lb	408	43	11
10,000 to 49,999 lb	135	S	5
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**139**	**465**	**74**
Less than 50 lb	–	S	S
50 to 99 lb	–	S	S
100 to 499 lb	3	1	–
500 to 749 lb	3	2	–
750 to 999 lb	2	1	1
1,000 to 9,999 lb	28	33	6
10,000 to 49,999 lb	69	248	S
50,000 to 99,999 lb	13	67	8
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**138**	**17 274**	**684**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	3	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	8	335	S
10,000 to 49,999 lb	49	5 058	228
50,000 to 99,999 lb	59	8 872	322
100,000 lb or more	S	S	122
SCTG 12, Gravel and crushed stone	**401**	**45 544**	**1 108**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	7	537	7
10,000 to 49,999 lb	193	20 173	420
50,000 to 99,999 lb	129	17 497	265
100,000 lb or more	72	7 333	417
SCTG 13, Nonmetallic minerals n.e.c.	**451**	**4 174**	**597**
Less than 50 lb	S	S	S
50 to 99 lb	–	S	S
100 to 499 lb	S	7	S
500 to 749 lb	8	5	1
750 to 999 lb	S	S	S
1,000 to 9,999 lb	75	117	14
10,000 to 49,999 lb	303	2 806	399
50,000 to 99,999 lb	13	S	29
100,000 lb or more	14	387	148
SCTG 14, Metallic ores and concentrates	**S**	**50**	**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	S	S	S
50,000 to 99,999 lb	–	–	–
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	S	S	S
10,000 to 49,999 lb	–	–	–
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–

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	**4 202**	**14 626**	**470**
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	189	231	9
10,000 to 49,999 lb	717	2 609	77
50,000 to 99,999 lb	2 491	8 694	266
100,000 lb or more	796	3 085	S
SCTG 18, Fuel oils	**2 469**	**13 222**	**872**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	5	23	–
500 to 749 lb	S	S	S
750 to 999 lb	23	78	1
1,000 to 9,999 lb	312	919	20
10,000 to 49,999 lb	836	4 465	S
50,000 to 99,999 lb	1 098	6 594	490
100,000 lb or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**687**	**12 292**	**168**
Less than 50 lb	9	2	S
50 to 99 lb	7	4	–
100 to 499 lb	38	23	2
500 to 749 lb	9	11	1
750 to 999 lb	19	24	1
1,000 to 9,999 lb	175	450	16
10,000 to 49,999 lb	267	7 447	95
50,000 to 99,999 lb	160	3 651	52
100,000 lb or more	S	S	S
SCTG 20, Basic chemicals	**2 459**	**1 846**	**660**
Less than 50 lb	264	S	2
50 to 99 lb	44	S	1
100 to 499 lb	174	39	5
500 to 749 lb	82	21	5
750 to 999 lb	33	13	2
1,000 to 9,999 lb	808	377	78
10,000 to 49,999 lb	959	1 001	419
50,000 to 99,999 lb	10	122	12
100,000 lb or more	85	254	136
SCTG 21, Pharmaceutical products	**19 008**	**342**	**128**
Less than 50 lb	8 687	79	34
50 to 99 lb	S	S	S
100 to 499 lb	5 823	104	31
500 to 749 lb	850	21	8
750 to 999 lb	S	S	S
1,000 to 9,999 lb	1 044	42	27
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	3	2	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**6 808**	**2 026**	**984**
Less than 50 lb	632	27	5
50 to 99 lb	211	20	3
100 to 499 lb	730	103	29
500 to 749 lb	211	51	S
750 to 999 lb	210	46	19
1,000 to 9,999 lb	1 379	426	144
10,000 to 49,999 lb	3 375	1 313	754
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 24, Plastics and rubber	**12 628**	**17 444**	**3 736**
Less than 50 lb	1 244	57	20
50 to 99 lb	545	52	21
100 to 499 lb	1 805	278	86
500 to 749 lb	606	110	38
750 to 999 lb	496	87	29
1,000 to 9,999 lb	4 646	1 274	543
10,000 to 49,999 lb	3 027	1 441	1 051
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	72	5
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 26, Wood products	**5 188**	**15 573**	**2 456**
Less than 50 lb	132	11	3
50 to 99 lb	122	15	3
100 to 499 lb	431	88	13
500 to 749 lb	190	51	11
750 to 999 lb	164	50	7
1,000 to 9,999 lb	1 652	1 099	121
10,000 to 49,999 lb	1 932	S	1 285
50,000 to 99,999 lb	360	5 554	432
100,000 lb or more	204	771	580
SCTG 27, Pulp, newsprint, paper, and paperboard	**7 785**	**7 054**	**5 553**
Less than 50 lb	52	6	1
50 to 99 lb	42	11	1
100 to 499 lb	302	96	14
500 to 749 lb	115	40	5
750 to 999 lb	112	51	S
1,000 to 9,999 lb	1 182	683	193
10,000 to 49,999 lb	4 492	4 031	2 948
50,000 to 99,999 lb	142	169	81
100,000 lb or more	1 345	1 968	2 298
SCTG 28, Paper or paperboard articles	**6 689**	**2 764**	**1 108**
Less than 50 lb	390	29	10
50 to 99 lb	225	38	6
100 to 499 lb	800	197	36
500 to 749 lb	220	78	13
750 to 999 lb	162	54	9
1,000 to 9,999 lb	1 723	877	S
10,000 to 49,999 lb	3 167	1 490	626
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**14 602**	**3 590**	**663**
Less than 50 lb	4 381	276	99
50 to 99 lb	855	91	24
100 to 499 lb	2 544	406	69
500 to 749 lb	896	95	23
750 to 999 lb	242	53	6
1,000 to 9,999 lb	3 578	1 289	143
10,000 to 49,999 lb	1 966	1 262	281
50,000 to 99,999 lb	59	47	S
100,000 lb or more	79	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**15 209**	**1 088**	**912**
Less than 50 lb	4 271	88	94
50 to 99 lb	779	27	26
100 to 499 lb	2 015	100	85
500 to 749 lb	849	48	35
750 to 999 lb	443	37	28
1,000 to 9,999 lb	3 906	398	295
10,000 to 49,999 lb	2 922	351	337
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**2 759**	**20 754**	**1 649**
Less than 50 lb	508	17	16
50 to 99 lb	65	7	2
100 to 499 lb	140	37	8
500 to 749 lb	107	25	5
750 to 999 lb	48	15	3
1,000 to 9,999 lb	407	1 075	139
10,000 to 49,999 lb	993	13 780	870
50,000 to 99,999 lb	359	4 113	303
100,000 lb or more	131	1 684	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**10 864**	**9 903**	**6 458**
Less than 50 lb	398	15	4
50 to 99 lb	292	16	3
100 to 499 lb	1 047	127	22
500 to 749 lb	411	65	10
750 to 999 lb	467	107	S
1,000 to 9,999 lb	2 391	1 215	376
10,000 to 49,999 lb	3 041	3 309	1 164
50,000 to 99,999 lb	182	673	S
100,000 lb or more	2 634	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 33, Articles of base metal	**9 482**	**2 337**	**1 079**
Less than 50 lb	2 095	62	25
50 to 99 lb	659	42	13
100 to 499 lb	1 858	179	77
500 to 749 lb	435	60	33
750 to 999 lb	367	52	25
1,000 to 9,999 lb	2 551	736	280
10,000 to 49,999 lb	1 493	900	276
50,000 to 99,999 lb	13	26	S
100,000 lb or more	S	S	S
SCTG 34, Machinery	**19 078**	**880**	**479**
Less than 50 lb	4 208	40	15
50 to 99 lb	1 465	22	10
100 to 499 lb	4 153	110	43
500 to 749 lb	880	34	20
750 to 999 lb	865	26	11
1,000 to 9,999 lb	3 907	295	158
10,000 to 49,999 lb	3 418	308	209
50,000 to 99,999 lb	S	S	S
100,000 lb or more	49	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**67 133**	**1 373**	**978**
Less than 50 lb	22 380	107	65
50 to 99 lb	7 019	59	34
100 to 499 lb	18 419	253	149
500 to 749 lb	5 295	116	47
750 to 999 lb	1 900	48	27
1,000 to 9,999 lb	9 893	444	389
10,000 to 49,999 lb	2 196	329	254
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 36, Motorized and other vehicles (including parts)	**7 551**	**1 019**	**288**
Less than 50 lb	1 359	74	9
50 to 99 lb	416	34	10
100 to 499 lb	1 093	95	33
500 to 749 lb	430	39	14
750 to 999 lb	355	27	S
1,000 to 9,999 lb	2 331	336	107
10,000 to 49,999 lb	S	S	91
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**8 083**	**72**	**30**
Less than 50 lb	2 641	5	4
50 to 99 lb	S	1	1
100 to 499 lb	1 240	9	7
500 to 749 lb	59	3	2
750 to 999 lb	S	2	2
1,000 to 9,999 lb	227	13	8
10,000 to 49,999 lb	125	8	5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	2 857	30	–
SCTG 38, Precision instruments and apparatus	**16 005**	**233**	**166**
Less than 50 lb	7 123	34	24
50 to 99 lb	1 452	10	9
100 to 499 lb	3 754	46	26
500 to 749 lb	674	10	5
750 to 999 lb	373	7	3
1,000 to 9,999 lb	2 041	47	37
10,000 to 49,999 lb	588	78	62
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**3 142**	**483**	**234**
Less than 50 lb	188	9	9
50 to 99 lb	116	8	3
100 to 499 lb	738	70	27
500 to 749 lb	216	30	11
750 to 999 lb	122	17	6
1,000 to 9,999 lb	1 255	169	78
10,000 to 49,999 lb	497	175	98
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 40, Miscellaneous manufactured products	**26 672**	**4 455**	**S**
Less than 50 lb	8 430	121	107
50 to 99 lb	1 932	62	47
100 to 499 lb	5 891	252	168
500 to 749 lb	928	80	39
750 to 999 lb	588	48	26
1,000 to 9,999 lb	4 742	779	357
10,000 to 49,999 lb	3 547	S	307
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 41, Waste and scrap	**2 374**	**8 592**	**2 852**
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	14
10,000 to 49,999 lb	1 446	S	1 375
50,000 to 99,999 lb	213	776	191
100,000 lb or more	516	1 409	1 271
SCTG 43, Mixed freight	**3 436**	**1 569**	**126**
Less than 50 lb	406	26	1
50 to 99 lb	160	12	1
100 to 499 lb	310	95	S
500 to 749 lb	123	60	S
750 to 999 lb	152	S	7
1,000 to 9,999 lb	1 295	638	52
10,000 to 49,999 lb	820	510	40
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**1 979**	**912**	**S**
Less than 50 lb	249	5	4
50 to 99 lb	S	5	S
100 to 499 lb	573	31	7
500 to 749 lb	53	S	1
750 to 999 lb	S	S	1
1,000 to 9,999 lb	547	S	32
10,000 to 49,999 lb	285	200	S
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	**308 275**	**256 341**	**44 473**	**515**	**97 125**	**165 519**	**3 249**	**33 142**	**32 630**	**3 011**
Less than 50 lb	70 922	1 182	566	604	18 140	584	11	6 082	90	9
50 to 99 lb	20 108	703	242	349	6 099	390	8	1 700	74	7
100 to 499 lb	58 234	4 048	1 061	271	19 146	2 485	56	6 559	462	44
500 to 749 lb	15 422	1 881	423	224	5 977	1 191	28	1 220	216	21
750 to 999 lb	8 870	1 588	386	235	3 160	958	22	1 218	221	21
1,000 to 9,999 lb	63 333	21 844	4 987	225	21 837	13 056	302	7 903	3 010	280
10,000 to 49,999 lb	53 828	104 107	16 965	170	14 014	70 078	1 289	6 579	10 071	977
50,000 to 99,999 lb	7 148	77 417	5 268	65	4 378	57 885	1 040	1 406	11 911	1 085
100,000 lb or more	10 410	43 572	14 575	333	4 375	18 892	492	474	6 576	568
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
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	1 100	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	67	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	65	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	105	–	–	–	S	S	S
100,000 lb or more	S	S	S	1 437	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**15**	**9**	**414**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	75	S	S	S	S	S	S
100 to 499 lb	S	S	S	29	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	662	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	593	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	2	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	1	9	5	594	–	–	–	–	–	–
SCTG 03, Other agricultural products	**2 286**	**3 873**	**561**	**286**	**1 480**	**1 719**	**49**	**215**	**S**	**S**
Less than 50 lb	100	7	S	601	S	4	–	22	1	–
50 to 99 lb	50	9	–	S	S	7	–	S	S	S
100 to 499 lb	162	65	2	35	113	54	1	27	5	–
500 to 749 lb	55	45	2	S	39	S	S	S	S	S
750 to 999 lb	72	41	1	S	64	37	1	S	S	S
1,000 to 9,999 lb	730	518	23	S	616	429	9	63	48	5
10,000 to 49,999 lb	500	S	S	210	160	278	5	S	S	11
50,000 to 99,999 lb	253	S	S	144	76	S	S	S	S	S
100,000 lb or more	S	S	S	82	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	–	878	1	–	S	S	S	S
50 to 99 lb	1	–	S	S	–	–	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	17	S	S	S	–	–	–
750 to 999 lb	S	S	S	60	S	S	S	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	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	122	144	S	352	17	65	2	7	32	4
100,000 lb or more	60	43	S	1 380	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**5 756**	**1 767**	**547**	**222**	**2 702**	**906**	**27**	**722**	**244**	**23**
Less than 50 lb	109	11	S	472	65	6	S	S	S	S
50 to 99 lb	172	21	2	S	122	15	–	S	3	–
100 to 499 lb	992	196	23	123	591	126	3	185	39	4
500 to 749 lb	416	99	12	126	255	69	2	59	13	1
750 to 999 lb	290	79	11	139	125	37	1	65	24	S
1,000 to 9,999 lb	2 681	859	250	259	1 219	456	12	324	139	14
10,000 to 49,999 lb	930	421	241	442	164	116	S	S	S	S
50,000 to 99,999 lb	S	S	S	39	S	S	S	–	–	–
100,000 lb or more	S	S	S	47	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**4 573**	**2 754**	**603**	**120**	**2 025**	**1 275**	**43**	**845**	**530**	**51**
Less than 50 lb	S	5	S	306	9	3	S	S	S	S
50 to 99 lb	45	17	1	53	37	S	–	S	S	S
100 to 499 lb	473	178	12	65	318	127	3	S	27	3
500 to 749 lb	198	92	10	106	121	49	2	40	24	2
750 to 999 lb	181	96	10	105	67	31	1	75	S	S
1,000 to 9,999 lb	1 969	1 156	220	173	711	474	16	425	258	26
10,000 to 49,999 lb	1 642	1 198	341	256	733	S	21	225	179	16
50,000 to 99,999 lb	S	S	S	64	S	S	S	–	–	–
100,000 lb or more	S	8	S	1 178	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	**10 187**	**9 726**	**2 052**	**208**	**3 922**	**4 843**	**126**	**1 622**	**1 621**	**155**
Less than 50 lb	312	32	9	354	S	16	–	36	4	–
50 to 99 lb	222	32	5	139	S	21	–	S	5	–
100 to 499 lb	922	390	55	143	486	276	7	106	34	3
500 to 749 lb	497	281	41	141	220	182	5	98	34	3
750 to 999 lb	315	209	17	81	210	149	4	54	24	2
1,000 to 9,999 lb	3 020	1 980	328	150	1 194	1 106	33	497	252	23
10,000 to 49,999 lb	4 663	6 391	1 558	247	1 429	2 862	73	739	1 159	113
50,000 to 99,999 lb	S	S	S	70	S	S	S	35	110	S
100,000 lb or more	S	S	S	954	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**4 233**	**3 137**	**212**	**27**	**3 633**	**2 563**	**57**	**278**	**288**	**28**
Less than 50 lb	S	10	–	33	78	10	–	S	S	S
50 to 99 lb	93	20	1	28	90	19	–	3	1	–
100 to 499 lb	909	391	10	26	863	376	9	39	14	1
500 to 749 lb	301	203	5	23	289	198	4	12	5	–
750 to 999 lb	296	195	4	22	281	191	4	S	4	–
1,000 to 9,999 lb	1 854	1 503	34	22	1 790	1 461	30	61	40	3
10,000 to 49,999 lb	692	807	158	153	234	300	10	145	224	23
50,000 to 99,999 lb	S	S	S	8	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**2 186**	**144**	**24**	**147**	**1 502**	**77**	**2**	**398**	**38**	**4**
Less than 50 lb	193	4	1	180	147	4	–	10	–	–
50 to 99 lb	254	8	1	S	205	6	–	S	S	S
100 to 499 lb	806	36	4	S	577	26	1	169	7	1
500 to 749 lb	275	16	1	S	236	13	–	33	S	S
750 to 999 lb	104	7	S	S	84	5	–	S	S	S
1,000 to 9,999 lb	408	43	11	204	201	11	–	91	13	1
10,000 to 49,999 lb	135	S	5	S	42	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	3	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**139**	**465**	**74**	**289**	**50**	**262**	**5**	**23**	**71**	**8**
Less than 50 lb	–	S	S	S	S	S	S	–	–	–
50 to 99 lb	–	S	S	161	S	S	S	S	S	S
100 to 499 lb	3	1	–	299	–	–	–	S	S	S
500 to 749 lb	3	2	–	255	S	S	S	S	S	S
750 to 999 lb	2	1	1	370	S	S	S	S	S	S
1,000 to 9,999 lb	28	33	6	260	7	14	–	S	S	S
10,000 to 49,999 lb	69	248	S	397	17	S	3	18	49	5
50,000 to 99,999 lb	13	67	8	119	5	22	1	S	S	S
100,000 lb or more	S	S	S	19	S	S	S	–	–	–
SCTG 11, Natural sands	**138**	**17 274**	**684**	**S**	**98**	**14 768**	**238**	**15**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	3	S	S	S	–	–	–
100 to 499 lb	3	1	S	192	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	45	S	S	S	–	–	–
1,000 to 9,999 lb	8	335	S	S	4	280	S	S	S	S
10,000 to 49,999 lb	49	5 058	228	S	38	4 183	56	S	S	S
50,000 to 99,999 lb	59	8 872	322	S	45	7 657	126	7	S	S
100,000 lb or more	S	S	122	78	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**401**	**45 544**	**1 108**	**19**	**332**	**43 998**	**655**	**15**	**S**	**S**
Less than 50 lb	S	S	S	947	–	–	–	–	–	–
50 to 99 lb	S	S	S	3	S	S	S	–	–	–
100 to 499 lb	S	1	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	14	S	S	S	–	–	–
750 to 999 lb	S	S	S	3	S	S	S	–	–	–
1,000 to 9,999 lb	7	537	7	S	6	522	3	S	S	S
10,000 to 49,999 lb	193	20 173	420	20	163	19 652	265	5	S	S
50,000 to 99,999 lb	129	17 497	265	15	123	17 351	242	S	S	S
100,000 lb or more	72	7 333	417	92	39	6 470	145	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**451**	**4 174**	**597**	**177**	**100**	**S**	**34**	**66**	**526**	**47**
Less than 50 lb	S	S	S	151	S	S	S	S	S	S
50 to 99 lb	–	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	7	S	328	3	3	S	S	S	S
500 to 749 lb	8	5	1	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	347	S	S	S	–	–	–
1,000 to 9,999 lb	75	117	14	172	17	96	1	S	3	–
10,000 to 49,999 lb	303	2 806	399	S	65	S	26	59	486	43
50,000 to 99,999 lb	13	S	29	S	6	S	3	S	S	S
100,000 lb or more	14	387	148	469	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**S**	**50**	**S**	**308**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	356	S	S	S	S	S	S
50 to 99 lb	S	S	S	354	S	S	S	S	S	S
100 to 499 lb	S	S	S	263	S	S	S	S	S	S
500 to 749 lb	S	S	S	79	S	S	S	–	–	–
750 to 999 lb	S	S	S	1 074	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	213	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	409	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	25	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**40**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	14	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	45	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**4 202**	**14 626**	**470**	**30**	**3 474**	**11 965**	**245**	**666**	**2 563**	**209**
Less than 50 lb	S	S	S	1	S	S	S	–	–	–
50 to 99 lb	S	S	S	3	S	S	S	–	–	–
100 to 499 lb	S	S	S	7	S	S	S	–	–	–
500 to 749 lb	S	S	S	42	S	S	S	S	S	S
750 to 999 lb	S	S	S	30	S	S	S	–	–	–
1,000 to 9,999 lb	189	231	9	34	134	185	3	S	26	3
10,000 to 49,999 lb	717	2 609	77	30	650	2 332	47	54	220	20
50,000 to 99,999 lb	2 491	8 694	266	29	2 073	7 240	157	S	S	S
100,000 lb or more	796	3 085	S	23	S	S	S	S	S	S
SCTG 18, Fuel oils	**2 469**	**13 222**	**872**	**27**	**1 585**	**7 896**	**139**	**597**	**S**	**S**
Less than 50 lb	S	S	S	137	–	–	–	S	S	S
50 to 99 lb	S	S	S	23	S	S	S	S	S	S
100 to 499 lb	5	23	–	14	5	23	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	23	78	1	S	S	S	1	S	1	–
1,000 to 9,999 lb	312	919	20	17	257	852	10	38	51	5
10,000 to 49,999 lb	836	4 465	S	50	606	3 189	38	S	S	S
50,000 to 99,999 lb	1 098	6 594	490	71	667	3 644	87	376	S	S
100,000 lb or more	S	S	S	69	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**687**	**12 292**	**168**	**33**	**553**	**11 972**	**125**	**91**	**233**	**21**
Less than 50 lb	9	2	S	S	8	2	–	S	S	S
50 to 99 lb	7	4	–	S	6	4	–	S	S	S
100 to 499 lb	38	23	2	67	31	17	1	5	3	–
500 to 749 lb	9	11	1	S	5	9	–	3	2	–
750 to 999 lb	19	24	1	38	14	S	–	3	2	–
1,000 to 9,999 lb	175	450	16	S	116	378	5	42	49	4
10,000 to 49,999 lb	267	7 447	95	14	231	7 333	76	S	S	S
50,000 to 99,999 lb	160	3 651	52	14	138	3 528	41	21	120	11
100,000 lb or more	S	S	S	3	S	S	S	–	–	–
SCTG 20, Basic chemicals	**2 459**	**1 846**	**660**	**182**	**762**	**606**	**21**	**316**	**367**	**33**
Less than 50 lb	264	S	2	S	S	S	S	S	–	–
50 to 99 lb	44	S	1	S	19	S	S	7	1	–
100 to 499 lb	174	39	5	112	86	S	1	19	4	–
500 to 749 lb	82	21	5	252	25	9	–	9	6	–
750 to 999 lb	33	13	2	167	18	8	–	S	3	–
1,000 to 9,999 lb	808	377	78	192	348	202	6	144	74	6
10,000 to 49,999 lb	959	1 001	419	377	113	289	12	115	225	20
50,000 to 99,999 lb	10	122	12	101	3	S	S	5	55	6
100,000 lb or more	85	254	136	541	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**19 008**	**342**	**128**	**440**	**3 581**	**75**	**3**	**3 739**	**S**	**S**
Less than 50 lb	8 687	79	34	463	1 587	S	S	1 188	9	S
50 to 99 lb	S	S	S	264	264	5	–	S	S	S
100 to 499 lb	5 823	104	31	324	822	19	1	S	S	S
500 to 749 lb	850	21	8	367	154	7	–	185	4	–
750 to 999 lb	S	S	S	216	S	S	S	8	S	S
1,000 to 9,999 lb	1 044	42	27	634	439	15	1	80	6	1
10,000 to 49,999 lb	S	S	S	476	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	212	–	–	–	–	–	–

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	**S**	**S**	**S**	**160**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	165	–	–	–	S	S	S
50 to 99 lb	S	S	S	771	S	S	S	–	–	–
100 to 499 lb	3	2	S	137	S	1	S	S	S	S
500 to 749 lb	S	S	S	52	S	S	S	S	S	S
750 to 999 lb	S	S	S	65	S	S	S	S	S	S
1,000 to 9,999 lb	34	S	S	242	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	51	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	29	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**6 808**	**2 026**	**984**	**248**	**2 403**	**612**	**18**	**871**	**342**	**27**
Less than 50 lb	632	27	5	240	320	18	–	93	4	–
50 to 99 lb	211	20	3	147	116	12	–	28	3	–
100 to 499 lb	730	103	29	260	387	51	1	66	13	1
500 to 749 lb	211	51	S	334	96	23	1	23	7	1
750 to 999 lb	210	46	19	405	38	14	1	59	10	1
1,000 to 9,999 lb	1 379	426	144	338	377	173	6	150	66	6
10,000 to 49,999 lb	3 375	1 313	754	541	1 069	314	9	453	239	18
50,000 to 99,999 lb	S	S	S	263	S	S	S	–	–	–
100,000 lb or more	S	S	S	511	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**12 628**	**17 444**	**3 736**	**387**	**3 559**	**S**	**S**	**1 468**	**4 313**	**360**
Less than 50 lb	1 244	57	20	390	465	27	1	136	7	1
50 to 99 lb	545	52	21	436	211	27	1	47	8	1
100 to 499 lb	1 805	278	86	329	650	138	4	246	43	4
500 to 749 lb	606	110	38	342	222	59	1	71	11	1
750 to 999 lb	496	87	29	328	123	35	1	90	14	1
1,000 to 9,999 lb	4 646	1 274	543	456	1 409	474	15	624	174	17
10,000 to 49,999 lb	3 027	1 441	1 051	708	324	154	5	249	150	15
50,000 to 99,999 lb	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
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**102**	**S**	**S**	**219**	**S**	**S**	**S**
Less than 50 lb	S	S	S	157	S	S	S	S	S	S
50 to 99 lb	S	S	S	17	S	S	S	S	S	S
100 to 499 lb	S	S	S	11	S	S	S	S	S	S
500 to 749 lb	S	S	S	17	S	S	S	–	–	–
750 to 999 lb	S	S	S	31	S	S	S	S	S	S
1,000 to 9,999 lb	S	72	5	54	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	55	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	113	S	S	152	S	S	S
100,000 lb or more	S	S	S	321	S	S	S	S	S	S
SCTG 26, Wood products	**5 188**	**15 573**	**2 456**	**274**	**2 000**	**10 392**	**241**	**933**	**2 171**	**199**
Less than 50 lb	132	11	3	526	60	5	–	25	2	–
50 to 99 lb	122	15	3	S	69	9	–	27	3	–
100 to 499 lb	431	88	13	151	218	54	1	124	20	2
500 to 749 lb	190	51	11	218	93	32	1	24	6	1
750 to 999 lb	164	50	7	132	89	33	1	26	10	1
1,000 to 9,999 lb	1 652	1 099	121	120	845	703	16	334	218	20
10,000 to 49,999 lb	1 932	S	1 285	141	509	S	S	280	602	60
50,000 to 99,999 lb	360	5 554	432	85	104	S	85	79	1 152	103
100,000 lb or more	204	771	580	871	S	S	S	15	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**7 785**	**7 054**	**5 553**	**214**	**1 409**	**1 322**	**35**	**500**	**385**	**38**
Less than 50 lb	52	6	1	145	34	5	–	6	1	–
50 to 99 lb	42	11	1	S	29	9	–	3	S	S
100 to 499 lb	302	96	14	134	189	71	2	31	14	1
500 to 749 lb	115	40	5	134	67	30	1	6	4	S
750 to 999 lb	112	51	S	197	72	35	1	14	7	1
1,000 to 9,999 lb	1 182	683	193	229	525	400	12	122	85	7
10,000 to 49,999 lb	4 492	4 031	2 948	703	432	439	13	299	212	21
50,000 to 99,999 lb	142	169	81	468	S	S	S	S	S	S
100,000 lb or more	1 345	1 968	2 298	1 229	S	S	S	S	59	7
SCTG 28, Paper or paperboard articles	**6 689**	**2 764**	**1 108**	**345**	**2 001**	**971**	**29**	**1 033**	**440**	**41**
Less than 50 lb	390	29	10	496	156	17	–	27	2	–
50 to 99 lb	225	38	6	163	144	30	1	12	S	–
100 to 499 lb	800	197	36	174	445	137	4	75	22	2
500 to 749 lb	220	78	13	168	112	51	1	23	9	1
750 to 999 lb	162	54	9	171	96	31	1	27	12	1
1,000 to 9,999 lb	1 723	877	S	390	673	394	13	270	169	16
10,000 to 49,999 lb	3 167	1 490	626	377	375	310	9	599	223	21
50,000 to 99,999 lb	S	S	S	31	S	S	S	–	–	–
100,000 lb or more	S	S	S	981	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**14 602**	**3 590**	**663**	**410**	**6 533**	**2 320**	**39**	**858**	**312**	**27**
Less than 50 lb	4 381	276	99	439	1 426	184	2	181	8	1
50 to 99 lb	855	91	24	271	374	66	1	63	4	–
100 to 499 lb	2 544	406	69	165	1 131	322	4	129	13	1
500 to 749 lb	896	95	23	240	S	68	1	44	5	–
750 to 999 lb	242	53	6	116	144	42	1	13	2	–
1,000 to 9,999 lb	3 578	1 289	143	131	1 975	942	16	238	S	10
10,000 to 49,999 lb	1 966	1 262	281	178	789	646	14	184	140	13
50,000 to 99,999 lb	59	47	S	109	S	26	S	S	S	S
100,000 lb or more	79	S	S	199	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**15 209**	**1 088**	**912**	**1 040**	**1 486**	**137**	**4**	**1 255**	**120**	**11**
Less than 50 lb	4 271	88	94	1 051	228	6	–	161	4	–
50 to 99 lb	779	27	26	968	74	3	–	45	3	–
100 to 499 lb	2 015	100	85	904	205	17	–	274	12	1
500 to 749 lb	849	48	35	732	123	11	–	59	4	–
750 to 999 lb	443	37	28	738	144	8	–	14	1	–
1,000 to 9,999 lb	3 906	398	295	778	518	60	2	S	S	4
10,000 to 49,999 lb	2 922	351	337	916	190	30	–	179	40	4
50,000 to 99,999 lb	S	S	S	835	S	S	S	–	–	–
100,000 lb or more	S	S	S	479	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**2 759**	**20 754**	**1 649**	**648**	**1 194**	**15 954**	**303**	**492**	**2 459**	**214**
Less than 50 lb	508	17	16	916	107	4	–	34	1	–
50 to 99 lb	65	7	2	346	S	4	–	4	S	S
100 to 499 lb	140	37	8	247	53	23	–	13	5	–
500 to 749 lb	107	25	5	205	27	17	–	S	S	S
750 to 999 lb	48	15	3	S	14	9	S	S	S	S
1,000 to 9,999 lb	407	1 075	139	137	198	865	19	46	69	6
10,000 to 49,999 lb	993	13 780	870	S	517	11 301	189	149	1 093	100
50,000 to 99,999 lb	359	4 113	303	S	201	S	S	S	974	83
100,000 lb or more	131	1 684	S	183	49	753	15	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**10 864**	**9 903**	**6 458**	**280**	**2 962**	**2 367**	**53**	**1 130**	**827**	**79**
Less than 50 lb	398	15	4	288	162	9	–	S	2	–
50 to 99 lb	292	16	3	176	138	10	–	S	3	–
100 to 499 lb	1 047	127	22	181	442	89	2	130	13	1
500 to 749 lb	411	65	10	157	242	47	1	40	6	1
750 to 999 lb	467	107	S	885	S	47	1	S	8	1
1,000 to 9,999 lb	2 391	1 215	376	281	941	653	16	303	170	16
10,000 to 49,999 lb	3 041	3 309	1 164	354	764	1 167	27	407	514	49
50,000 to 99,999 lb	182	673	S	347	61	317	5	38	43	5
100,000 lb or more	2 634	S	S	814	S	28	S	22	S	S
SCTG 33, Articles of base metal	**9 482**	**2 337**	**1 079**	**345**	**3 574**	**865**	**26**	**825**	**440**	**42**
Less than 50 lb	2 095	62	25	334	915	33	1	201	5	–
50 to 99 lb	659	42	13	299	320	26	–	48	3	–
100 to 499 lb	1 858	179	77	415	608	77	2	110	17	2
500 to 749 lb	435	60	33	552	S	23	1	18	5	–
750 to 999 lb	367	52	25	471	157	23	1	15	5	–
1,000 to 9,999 lb	2 551	736	280	363	873	305	7	257	121	11
10,000 to 49,999 lb	1 493	900	276	332	540	297	14	173	239	22
50,000 to 99,999 lb	13	26	S	546	S	S	S	S	S	S
100,000 lb or more	S	S	S	859	S	S	S	S	S	S
SCTG 34, Machinery	**19 078**	**880**	**479**	**375**	**4 413**	**278**	**8**	**2 400**	**76**	**7**
Less than 50 lb	4 208	40	15	358	1 192	17	–	722	5	–
50 to 99 lb	1 465	22	10	474	244	8	–	263	3	–
100 to 499 lb	4 153	110	43	389	1 148	56	1	706	10	1
500 to 749 lb	880	34	20	585	228	12	–	53	3	–
750 to 999 lb	865	26	11	412	S	12	–	S	2	–
1,000 to 9,999 lb	3 907	295	158	564	696	85	3	443	37	3
10,000 to 49,999 lb	3 418	308	209	681	S	54	2	106	14	1
50,000 to 99,999 lb	S	S	S	890	–	–	–	–	–	–
100,000 lb or more	49	S	S	70	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**67 133**	**1 373**	**978**	**678**	**17 851**	**386**	**11**	**4 229**	**104**	**10**
Less than 50 lb	22 380	107	65	693	5 968	48	1	1 425	9	1
50 to 99 lb	7 019	59	34	570	1 956	27	1	295	5	–
100 to 499 lb	18 419	253	149	613	5 589	104	2	913	16	2
500 to 749 lb	5 295	116	47	410	1 728	63	1	150	7	1
750 to 999 lb	1 900	48	27	574	S	S	1	S	4	–
1,000 to 9,999 lb	9 893	444	389	841	1 981	100	4	956	23	2
10,000 to 49,999 lb	2 196	329	254	753	246	25	1	249	33	3
50,000 to 99,999 lb	S	S	S	860	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 36, Motorized and other vehicles (including parts)	**7 551**	**1 019**	**288**	**134**	**2 778**	**564**	**11**	**S**	**170**	**16**
Less than 50 lb	1 359	74	9	S	762	56	1	232	7	1
50 to 99 lb	416	34	10	291	189	19	–	45	5	1
100 to 499 lb	1 093	95	33	295	455	51	1	159	17	2
500 to 749 lb	430	39	14	342	180	20	–	S	S	S
750 to 999 lb	355	27	S	361	S	12	–	S	5	–
1,000 to 9,999 lb	2 331	336	107	290	888	141	3	433	67	6
10,000 to 49,999 lb	S	S	91	S	133	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	768	S	S	S	–	–	–
100,000 lb or more	S	S	S	836	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**8 083**	**72**	**30**	**721**	**4 945**	**39**	**–**	**856**	**S**	**S**
Less than 50 lb	2 641	5	4	722	944	1	–	560	1	–
50 to 99 lb	S	1	1	717	S	S	S	7	S	S
100 to 499 lb	1 240	9	7	710	S	S	S	97	1	–
500 to 749 lb	59	3	2	671	S	S	S	S	S	S
750 to 999 lb	S	2	2	717	S	S	S	S	S	S
1,000 to 9,999 lb	227	13	8	806	S	S	S	S	S	S
10,000 to 49,999 lb	125	8	5	666	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	422	–	–	–	–	–	–
100,000 lb or more	2 857	30	–	3	2 857	30	–	–	–	–
SCTG 38, Precision instruments and apparatus	**16 005**	**233**	**166**	**817**	**2 971**	**49**	**1**	**1 160**	**23**	**2**
Less than 50 lb	7 123	34	24	828	972	S	S	363	2	–
50 to 99 lb	1 452	10	9	816	355	3	–	68	1	–
100 to 499 lb	3 754	46	26	595	874	17	–	581	7	1
500 to 749 lb	674	10	5	479	350	4	S	26	S	–
750 to 999 lb	373	7	3	462	S	S	S	30	1	–
1,000 to 9,999 lb	2 041	47	37	713	259	8	–	69	6	1
10,000 to 49,999 lb	588	78	62	861	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**3 142**	**483**	**234**	**640**	**1 023**	**139**	**4**	**426**	**60**	**6**
Less than 50 lb	188	9	9	910	62	3	–	11	1	–
50 to 99 lb	116	8	3	355	49	3	–	12	1	–
100 to 499 lb	738	70	27	394	S	28	1	57	10	1
500 to 749 lb	216	30	11	353	67	11	–	25	4	–
750 to 999 lb	122	17	6	360	48	6	–	16	2	–
1,000 to 9,999 lb	1 255	169	78	394	293	48	1	261	30	3
10,000 to 49,999 lb	497	175	98	543	135	41	1	45	11	1
50,000 to 99,999 lb	S	S	S	387	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**26 672**	**4 455**	**S**	**951**	**6 341**	**S**	**S**	**1 799**	**407**	**39**
Less than 50 lb	8 430	121	107	995	1 739	23	1	493	8	1
50 to 99 lb	1 932	62	47	772	244	16	–	95	4	–
100 to 499 lb	5 891	252	168	676	1 498	86	3	300	26	2
500 to 749 lb	928	80	39	467	198	27	1	58	13	1
750 to 999 lb	588	48	26	531	S	12	–	53	6	1
1,000 to 9,999 lb	4 742	779	357	475	1 236	332	8	440	95	9
10,000 to 49,999 lb	3 547	S	307	215	S	S	S	155	117	13
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	1 204	S	S	S	S	S	S
SCTG 41, Waste and scrap	**2 374**	**8 592**	**2 852**	**205**	**349**	**2 596**	**86**	**160**	**922**	**86**
Less than 50 lb	S	S	S	185	S	S	S	S	S	S
50 to 99 lb	S	S	S	219	S	S	S	S	S	S
100 to 499 lb	S	S	S	231	S	S	S	S	S	S
500 to 749 lb	S	S	S	105	S	S	S	S	S	S
750 to 999 lb	S	S	S	53	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	14	S	S	S	S	S	5	–
10,000 to 49,999 lb	1 446	S	1 375	213	203	S	S	116	632	53
50,000 to 99,999 lb	213	776	191	213	S	302	S	S	176	13
100,000 lb or more	516	1 409	1 271	514	S	S	S	S	S	S
SCTG 43, Mixed freight	**3 436**	**1 569**	**126**	**S**	**2 028**	**894**	**32**	**782**	**396**	**37**
Less than 50 lb	406	26	1	S	335	24	1	17	1	–
50 to 99 lb	160	12	1	S	102	9	–	S	1	–
100 to 499 lb	310	95	S	S	166	41	1	56	S	S
500 to 749 lb	123	60	S	81	62	30	1	S	S	S
750 to 999 lb	152	S	7	89	65	33	1	55	S	S
1,000 to 9,999 lb	1 295	638	52	81	649	330	12	423	206	19
10,000 to 49,999 lb	820	510	40	78	484	294	10	189	119	11
50,000 to 99,999 lb	S	S	S	150	S	S	S	–	–	–
100,000 lb or more	S	S	S	44	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**1 979**	**912**	**S**	**916**	**680**	**318**	**S**	**205**	**101**	**9**
Less than 50 lb	249	5	4	1 205	46	S	S	13	–	–
50 to 99 lb	S	5	S	491	S	S	S	S	S	S
100 to 499 lb	573	31	7	S	S	22	–	S	S	S
500 to 749 lb	53	S	1	S	S	S	S	2	S	S
750 to 999 lb	S	S	1	S	S	S	S	S	S	S
1,000 to 9,999 lb	547	S	32	S	S	S	S	S	S	S
10,000 to 49,999 lb	285	200	S	578	S	S	–	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	517	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	**45 380**	**28 501**	**6 060**	**25 555**	**9 654**	**4 710**	**20 274**	**4 437**	**3 416**	**25 412**	**8 024**	**8 773**
Less than 50 lb	9 787	137	29	5 877	73	32	4 616	55	42	5 408	65	68
50 to 99 lb	3 155	87	17	1 720	28	13	1 135	26	19	1 347	25	26
100 to 499 lb	8 419	432	87	3 636	132	57	3 022	120	89	4 681	126	130
500 to 749 lb	2 291	184	38	1 237	76	34	1 623	56	42	913	54	57
750 to 999 lb	1 208	182	35	593	49	21	507	41	31	850	44	44
1,000 to 9,999 lb	9 543	2 626	516	4 710	700	308	4 137	603	448	5 310	672	684
10,000 to 49,999 lb	9 639	11 452	2 444	6 441	4 340	1 869	4 571	2 493	1 855	4 971	2 513	2 496
50,000 to 99,999 lb	640	4 459	796	330	S	S	57	139	110	104	126	126
100,000 lb or more	697	8 942	S	1 011	1 718	943	S	904	779	1 828	S	S
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
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 02, Cereal grains	**–**	**–**	**–**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**413**	**990**	**230**	**S**	**S**	**S**	**6**	**3**	**2**	**S**	**S**	**4**
Less than 50 lb	S	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	1	–	S	S	S	S	S	S	–	–	–
100 to 499 lb	21	6	1	S	S	S	S	S	S	S	S	S
500 to 749 lb	6	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	43	38	7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	161	572	148	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**136**	**180**	**38**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	S	–	–	–	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	32	93	20	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	69	33	9	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	6	–	–	–	–	–	–	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**697**	**178**	**35**	**724**	**184**	**79**	**164**	**41**	**31**	**341**	**91**	**95**
Less than 50 lb	8	1	–	S	S	S	S	S	S	S	S	S
50 to 99 lb	10	1	–	8	1	–	S	S	S	S	S	S
100 to 499 lb	84	18	3	S	6	S	15	2	2	S	S	S
500 to 749 lb	34	8	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	63	12	2	28	3	2	S	S	S	S	S	S
1,000 to 9,999 lb	302	75	14	335	61	S	S	S	S	S	S	S
10,000 to 49,999 lb	191	61	13	S	S	S	60	18	13	114	47	50
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**1 021**	**525**	**97**	**280**	**180**	**73**	**113**	**79**	**61**	**93**	**43**	**42**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	31	16	3	S	S	S	S	S	S	S	S	S
750 to 999 lb	28	22	3	9	1	–	S	S	S	S	S	S
1,000 to 9,999 lb	614	320	62	109	48	20	38	23	18	S	S	S
10,000 to 49,999 lb	273	147	25	145	124	50	68	S	S	80	40	39
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 07, Other prepared foodstuffs and fats and oils	**2 304**	**1 770**	**378**	**716**	**568**	**247**	**302**	**255**	**190**	**418**	**220**	**210**
Less than 50 lb	S	S	S	S	S	S	S	S	S	13	1	1
50 to 99 lb	S	3	1	S	S	S	S	S	S	S	S	S
100 to 499 lb	105	S	S	S	3	1	2	1	1	S	S	S
500 to 749 lb	72	S	S	8	2	1	S	2	1	3	1	1
750 to 999 lb	40	S	S	3	S	S	S	S	S	S	1	1
1,000 to 9,999 lb	772	477	103	111	41	17	S	23	16	S	20	19
10,000 to 49,999 lb	1 217	1 082	232	489	515	225	184	227	170	261	193	185
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 08, Alcoholic beverages	**133**	**173**	**36**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	124	170	36	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**S**	**20**	**4**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	–	–	S	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	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	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	15	3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**45**	**90**	**16**	**12**	**10**	**5**	**2**	**S**	**S**	**4**	**9**	**9**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	1	–	–	1	–	–	–	–	–	S	S	S
500 to 749 lb	1	1	–	1	S	S	S	S	S	S	S	S
750 to 999 lb	1	–	–	1	–	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	2	5	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	24	46	9	S	S	S	S	S	S	4	8	8
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**15**	**809**	**150**	**5**	**S**	**S**	**S**	**S**	**S**	**S**	**18**	**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
750 to 999 lb	–	–	–	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	–	–	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	6	374	70	S	42	16	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**S**	**250**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**154**	**1 000**	**212**	**44**	**237**	**113**	**12**	**24**	**18**	**32**	**55**	**58**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	32	11	2	S	S	S	S	S	S	4	2	2
10,000 to 49,999 lb	110	704	140	23	138	57	S	17	12	S	40	42
50,000 to 99,999 lb	2	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	6	S	59	2	67	43	S	S	S	S	S	11

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	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	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**62**	**97**	**16**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	19	3	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	13	57	9	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	11	2	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	23	103	17	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**31**	**64**	**12**	**S**	**S**	**S**	**S**	**S**	**S**	**1**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S	S	S	S
100 to 499 lb	2	1	–	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	13	19	3	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 20, Basic chemicals	**463**	**384**	**85**	**157**	**191**	**96**	**172**	**81**	**60**	**194**	**69**	**72**
Less than 50 lb	11	–	–	9	–	–	5	–	–	8	–	–
50 to 99 lb	4	–	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	24	2	–	13	1	–	8	1	–	15	S	S
500 to 749 lb	11	3	–	S	1	–	S	–	–	S	S	S
750 to 999 lb	S	S	S	2	S	S	–	S	S	S	S	S
1,000 to 9,999 lb	113	52	10	31	9	5	38	10	7	58	14	S
10,000 to 49,999 lb	236	183	32	83	93	S	111	53	38	90	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	114	38	8	S	40	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**S**	**S**	**22**	**988**	**15**	**6**	**903**	**15**	**12**	**851**	**6**	**6**
Less than 50 lb	1 762	S	S	644	S	2	324	3	3	367	3	3
50 to 99 lb	S	S	S	127	2	1	S	–	–	S	–	1
100 to 499 lb	S	S	5	S	S	S	85	1	1	S	S	S
500 to 749 lb	185	4	1	S	S	S	S	S	S	7	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	3	1	S	2	1	S	S	S	S	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–

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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	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	–	–	–	–	–	–	–	–	–	–	–	–
1,000 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	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**838**	**367**	**75**	**620**	**153**	**64**	**481**	**129**	**105**	**883**	**253**	**257**
Less than 50 lb	62	2	–	24	1	–	15	–	–	24	–	–
50 to 99 lb	34	4	1	S	1	–	5	–	–	5	–	–
100 to 499 lb	96	14	3	37	S	S	37	S	S	58	S	S
500 to 749 lb	29	5	S	15	S	S	S	S	S	S	S	S
750 to 999 lb	26	5	1	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	256	71	14	115	29	13	146	27	20	149	28	28
10,000 to 49,999 lb	277	241	49	402	94	37	226	86	73	627	213	216
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**2 261**	**S**	**S**	**958**	**274**	**119**	**1 155**	**282**	**211**	**1 168**	**320**	**334**
Less than 50 lb	183	10	2	60	3	1	95	2	2	78	2	2
50 to 99 lb	76	6	1	25	1	1	16	S	S	34	2	2
100 to 499 lb	267	37	7	152	14	6	92	12	9	116	13	14
500 to 749 lb	57	7	2	52	S	S	60	4	3	52	S	S
750 to 999 lb	87	17	3	23	4	2	90	8	S	28	4	4
1,000 to 9,999 lb	821	253	48	287	85	38	415	90	67	415	68	72
10,000 to 49,999 lb	720	388	84	355	149	64	382	160	119	419	206	215
50,000 to 99,999 lb	9	4	1	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 26, Wood products	**857**	**1 229**	**247**	**451**	**671**	**302**	**211**	**404**	**315**	**271**	**338**	**355**
Less than 50 lb	17	1	–	S	S	S	S	–	–	5	–	–
50 to 99 lb	15	2	–	3	–	–	S	–	–	2	–	–
100 to 499 lb	41	7	1	8	1	1	6	1	1	10	1	1
500 to 749 lb	23	S	S	8	2	1	1	–	–	S	S	S
750 to 999 lb	17	5	1	3	1	–	5	1	1	S	–	–
1,000 to 9,999 lb	274	117	22	76	20	8	22	9	7	37	15	15
10,000 to 49,999 lb	349	679	137	295	494	215	127	224	166	165	212	216
50,000 to 99,999 lb	91	328	68	32	76	34	18	60	47	S	S	S
100,000 lb or more	S	S	S	17	76	42	25	109	93	17	66	80
SCTG 27, Pulp, newsprint, paper, and paperboard	**830**	**851**	**190**	**1 003**	**919**	**467**	**721**	**713**	**537**	**1 413**	**1 236**	**1 342**
Less than 50 lb	2	–	–	1	–	–	2	–	–	2	–	–
50 to 99 lb	S	S	S	S	S	S	2	S	S	2	–	–
100 to 499 lb	18	4	1	10	1	–	4	1	1	8	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	1	1
750 to 999 lb	S	2	–	S	S	S	S	S	–	5	1	1
1,000 to 9,999 lb	116	57	12	84	37	16	87	29	21	83	31	32
10,000 to 49,999 lb	623	651	141	677	632	291	512	535	384	864	710	666
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	49	88	27	156	215	141	93	134	119	430	489	638
SCTG 28, Paper or paperboard articles	**1 412**	**547**	**115**	**586**	**261**	**113**	**543**	**168**	**125**	**301**	**116**	**119**
Less than 50 lb	64	3	1	27	1	–	22	1	–	20	1	1
50 to 99 lb	12	1	–	6	S	S	4	S	S	S	S	S
100 to 499 lb	147	16	3	35	6	3	19	2	2	18	4	4
500 to 749 lb	40	9	2	15	3	2	S	1	1	6	2	2
750 to 999 lb	18	6	1	7	2	1	S	S	S	1	1	1
1,000 to 9,999 lb	252	111	21	87	30	13	82	27	20	52	23	23
10,000 to 49,999 lb	879	401	87	409	218	94	404	136	101	185	83	86
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**2 922**	**514**	**107**	**1 000**	**127**	**51**	**614**	**87**	**64**	**744**	**81**	**84**
Less than 50 lb	564	18	4	476	14	6	209	8	5	329	11	12
50 to 99 lb	153	6	1	S	3	1	29	2	1	44	3	3
100 to 499 lb	S	29	6	181	9	4	111	6	4	101	6	7
500 to 749 lb	S	7	1	21	3	1	S	S	S	S	S	S
750 to 999 lb	25	3	1	S	S	S	7	S	S	S	1	1
1,000 to 9,999 lb	888	131	25	125	26	10	65	15	11	133	20	20
10,000 to 49,999 lb	512	268	57	96	63	24	138	52	40	84	35	36
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**2 607**	**234**	**53**	**1 779**	**88**	**40**	**1 396**	**109**	**80**	**2 010**	**112**	**110**
Less than 50 lb	791	12	3	723	14	6	350	8	6	498	11	12
50 to 99 lb	86	3	1	78	3	1	78	3	2	122	3	3
100 to 499 lb	279	18	4	176	7	3	205	8	6	245	10	10
500 to 749 lb	140	8	2	S	5	S	97	5	4	93	5	5
750 to 999 lb	77	11	2	53	2	1	23	3	2	35	2	3
1,000 to 9,999 lb	710	74	16	402	35	17	351	41	30	376	39	40
10,000 to 49,999 lb	515	74	17	229	20	9	288	40	29	641	41	37
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**382**	**S**	**S**	**130**	**172**	**75**	**116**	**S**	**S**	**134**	**130**	**127**
Less than 50 lb	S	S	1	37	1	1	S	2	1	33	1	1
50 to 99 lb	7	1	–	6	S	S	2	S	S	5	S	S
100 to 499 lb	17	3	1	10	2	1	6	1	–	14	1	1
500 to 749 lb	5	1	–	2	S	S	S	–	–	S	S	S
750 to 999 lb	S	1	–	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	42	47	10	25	17	8	21	S	S	38	21	21
10,000 to 49,999 lb	170	S	S	40	122	52	23	S	S	21	55	54
50,000 to 99,999 lb	7	49	8	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 32, Base metal in primary or semifinished forms and in finished basic shapes	**1 226**	**893**	**182**	**1 393**	**948**	**419**	**1 073**	**704**	**562**	**1 505**	**S**	**S**
Less than 50 lb	41	1	–	21	1	–	14	–	–	18	–	–
50 to 99 lb	24	1	–	7	1	–	8	–	–	4	–	–
100 to 499 lb	133	11	2	71	5	2	52	3	2	47	2	2
500 to 749 lb	33	4	1	S	2	1	20	1	1	S	1	1
750 to 999 lb	S	S	S	19	S	2	64	4	4	S	5	4
1,000 to 9,999 lb	292	127	24	157	54	23	165	57	42	119	40	42
10,000 to 49,999 lb	626	587	122	401	332	146	316	361	274	215	178	180
50,000 to 99,999 lb	19	93	S	44	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	1 050	S	S
SCTG 33, Articles of base metal	**1 290**	**310**	**60**	**545**	**105**	**44**	**1 007**	**205**	**147**	**997**	**151**	**152**
Less than 50 lb	228	7	2	99	3	1	161	3	3	186	4	4
50 to 99 lb	58	3	1	27	1	1	63	3	2	69	2	2
100 to 499 lb	292	23	5	92	8	3	296	19	13	134	12	12
500 to 749 lb	55	8	2	32	4	2	39	6	4	25	3	3
750 to 999 lb	56	6	1	S	S	S	23	3	2	34	4	4
1,000 to 9,999 lb	331	102	21	203	36	17	180	35	28	441	78	77
10,000 to 49,999 lb	266	143	27	65	43	17	245	82	59	106	47	48
50,000 to 99,999 lb	4	6	1	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 34, Machinery	**2 580**	**128**	**28**	**1 816**	**106**	**46**	**1 343**	**85**	**60**	**2 459**	**102**	**104**
Less than 50 lb	794	7	1	209	3	1	243	2	1	286	2	2
50 to 99 lb	340	3	1	43	1	1	83	S	S	132	2	2
100 to 499 lb	323	11	2	145	5	2	228	7	6	581	7	7
500 to 749 lb	S	4	1	41	2	1	S	3	2	140	5	5
750 to 999 lb	S	3	1	48	2	1	27	2	1	S	4	4
1,000 to 9,999 lb	608	53	12	293	23	9	317	19	15	622	35	35
10,000 to 49,999 lb	274	44	11	952	66	29	320	S	S	300	47	49
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8 788**	**218**	**48**	**6 137**	**134**	**56**	**4 679**	**114**	**87**	**6 072**	**112**	**117**
Less than 50 lb	2 395	11	2	2 114	6	3	1 347	6	5	1 750	7	7
50 to 99 lb	682	5	1	791	4	2	243	2	1	566	4	4
100 to 499 lb	2 883	33	8	1 292	20	9	985	17	14	1 958	17	18
500 to 749 lb	S	S	S	435	5	2	S	S	S	323	4	4
750 to 999 lb	S	6	1	S	2	1	S	3	2	128	5	5
1,000 to 9,999 lb	938	62	14	1 003	34	15	957	45	32	1 183	52	54
10,000 to 49,999 lb	410	85	18	362	62	23	S	28	21	164	23	24
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 36, Motorized and other vehicles (including parts)	**644**	**61**	**12**	**275**	**23**	**10**	**701**	**78**	**57**	**563**	**58**	**59**
Less than 50 lb	S	5	1	53	1	1	24	1	1	33	1	1
50 to 99 lb	37	S	S	S	S	S	30	1	1	38	1	1
100 to 499 lb	83	5	1	47	3	1	94	6	4	S	4	4
500 to 749 lb	42	2	–	13	1	–	41	2	2	26	3	3
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	251	35	7	51	8	4	290	36	26	S	31	32
10,000 to 49,999 lb	63	9	2	S	S	S	153	26	19	63	15	15
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**473**	**8**	**2**	**87**	**4**	**2**	**354**	**2**	**1**	**116**	**4**	**4**
Less than 50 lb	315	1	–	28	–	–	186	–	–	61	–	–
50 to 99 lb	S	–	–	S	–	S	S	S	S	S	S	S
100 to 499 lb	18	S	S	S	S	S	S	S	S	S	–	–
500 to 749 lb	12	S	S	S	–	–	S	S	S	S	S	S
750 to 999 lb	S	S	S	2	–	S	S	S	S	S	S	S
1,000 to 9,999 lb	59	S	S	S	S	S	S	S	S	34	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**1 983**	**28**	**6**	**1 619**	**13**	**5**	**1 642**	**65**	**50**	**1 326**	**12**	**12**
Less than 50 lb	816	3	1	661	2	1	681	2	2	755	3	3
50 to 99 lb	146	1	–	66	1	–	S	1	1	94	1	1
100 to 499 lb	404	5	1	214	2	1	307	2	2	323	4	4
500 to 749 lb	62	2	–	S	1	–	24	1	–	40	1	1
750 to 999 lb	20	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	411	6	1	553	6	2	S	7	5	S	S	S
10,000 to 49,999 lb	123	10	2	S	S	S	243	52	40	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	**514**	**121**	**26**	**255**	**42**	**19**	**120**	**25**	**19**	**357**	**38**	**40**
Less than 50 lb	11	1	–	9	1	–	9	–	–	S	S	S
50 to 99 lb	S	1	–	8	1	–	2	–	–	S	S	S
100 to 499 lb	117	12	2	50	5	2	34	4	3	36	4	4
500 to 749 lb	46	7	1	29	3	2	12	1	1	S	S	S
750 to 999 lb	25	5	1	10	1	1	S	S	S	S	–	–
1,000 to 9,999 lb	211	35	7	89	16	7	21	3	3	254	22	24
10,000 to 49,999 lb	77	58	13	52	14	6	S	16	12	29	8	8
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**4 017**	**664**	**126**	**3 177**	**186**	**78**	**1 989**	**139**	**102**	**2 532**	**181**	**190**
Less than 50 lb	1 345	18	4	573	12	5	831	13	10	875	13	14
50 to 99 lb	280	11	2	380	4	2	326	7	6	118	4	4
100 to 499 lb	785	32	6	763	11	5	310	19	14	513	28	29
500 to 749 lb	71	8	2	S	16	S	37	3	2	66	4	4
750 to 999 lb	124	9	2	S	S	S	40	4	3	64	5	5
1,000 to 9,999 lb	699	115	20	370	39	18	338	37	26	506	64	65
10,000 to 49,999 lb	569	S	65	S	40	16	S	20	14	353	36	38
50,000 to 99,999 lb	S	5	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 41, Waste and scrap	**586**	**S**	**S**	**312**	**596**	**280**	**S**	**S**	**S**	**403**	**519**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	478	S	S	191	363	155	S	S	S	121	155	161
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	14	307	66	75	182	102	S	S	S	S	S	S
SCTG 43, Mixed freight	**503**	**259**	**47**	**89**	**17**	**6**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	1	–	S	S	S	1	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	74	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	4	1	–	–	–	–	–	–	S	S	S
750 to 999 lb	26	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	179	92	16	35	8	3	–	–	–	S	S	S
10,000 to 49,999 lb	141	94	18	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**278**	**S**	**S**	**112**	**33**	**14**	**106**	**S**	**S**	**154**	**S**	**S**
Less than 50 lb	29	1	–	S	S	S	13	–	–	S	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	2	–	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	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	33	S	S	3	S	S	S	S	S
10,000 to 49,999 lb	36	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**23 307**	**3 810**	**5 368**	**11 247**	**1 492**	**3 094**	**26 834**	**2 274**	**6 792**
Less than 50 lb	7 574	76	109	3 758	29	56	9 680	72	211
50 to 99 lb	1 958	31	43	660	15	29	2 335	27	80
100 to 499 lb	4 485	137	193	2 429	54	108	5 855	100	296
500 to 749 lb	776	52	74	403	22	42	983	30	88
750 to 999 lb	535	33	47	195	12	24	S	S	S
1,000 to 9,999 lb	3 692	505	702	2 333	224	438	3 868	448	1 309
10,000 to 49,999 lb	3 411	1 762	2 378	1 328	481	938	2 873	916	2 720
50,000 to 99,999 lb	101	189	261	49	70	133	84	103	284
100,000 lb or more	775	1 025	1 561	92	S	S	S	532	1 663
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**–**	**–**	**–**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 03, Other agricultural products	**S**	**S**	**S**	**2**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**9**	**19**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S
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	16	5	18
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**224**	**65**	**91**	**51**	**15**	**29**	**131**	**45**	**137**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	139	S	S	30	8	17	61	16	48
10,000 to 49,999 lb	35	15	22	11	5	10	58	28	85
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**112**	**74**	**99**	**S**	**S**	**S**	**60**	**26**	**89**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	32	13	18	S	S	S	S	S	S
10,000 to 49,999 lb	78	58	78	18	16	33	22	12	36
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**561**	**297**	**389**	**S**	**57**	**93**	**213**	**94**	**265**
Less than 50 lb	S	S	S	S	S	S	4	1	1
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	2	–	1	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	2	S	S
1,000 to 9,999 lb	S	37	50	14	5	10	S	19	55
10,000 to 49,999 lb	232	247	321	S	S	S	83	62	173
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 08, Alcoholic beverages	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**26**	**3**	**4**	**16**	**S**	**S**	**61**	**2**	**7**
Less than 50 lb	S	S	S	S	S	S	8	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	–	–	S	S	S	16	1	2
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**10**	**39**	**62**	**12**	**11**	**23**	**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	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	3	S	S	S	S	S
10,000 to 49,999 lb	2	19	29	S	10	20	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	2	17	28	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
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	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 20, Basic chemicals	**143**	**S**	**S**	**98**	**28**	**57**	**154**	**34**	**101**
Less than 50 lb	6	–	–	15	–	–	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
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	35	9	12	S	S	S	S	3	9
10,000 to 49,999 lb	S	S	S	53	23	47	75	30	89
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 21, Pharmaceutical products	**S**	**16**	**23**	**S**	**8**	**14**	**S**	**12**	**33**
Less than 50 lb	S	4	6	S	1	2	S	4	10
50 to 99 lb	S	S	S	S	S	S	64	–	–
100 to 499 lb	99	S	S	S	S	S	325	4	11
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	25	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**280**	**44**	**61**	**49**	**9**	**18**	**381**	**118**	**359**
Less than 50 lb	49	1	1	16	–	–	S	–	1
50 to 99 lb	3	–	–	2	–	–	S	–	–
100 to 499 lb	31	3	5	5	1	1	12	1	4
500 to 749 lb	23	3	4	S	S	S	4	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	123	22	30	S	3	6	47	7	20
10,000 to 49,999 lb	S	S	S	7	S	S	282	107	326
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**722**	**147**	**207**	**388**	**70**	**138**	**949**	**210**	**617**
Less than 50 lb	81	3	4	51	1	1	96	2	6
50 to 99 lb	S	1	2	S	2	3	S	S	S
100 to 499 lb	109	10	14	55	5	9	118	7	21
500 to 749 lb	38	4	5	10	1	3	43	3	8
750 to 999 lb	11	2	3	8	1	1	36	3	8
1,000 to 9,999 lb	286	51	72	100	15	30	292	S	S
10,000 to 49,999 lb	166	69	97	118	42	82	295	125	370
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**211**	**180**	**267**	**47**	**44**	**84**	**206**	**145**	**446**
Less than 50 lb	6	S	S	1	–	–	4	–	1
50 to 99 lb	2	S	S	S	–	–	2	–	1
100 to 499 lb	12	2	3	3	–	1	9	1	3
500 to 749 lb	3	1	1	1	–	–	S	S	S
750 to 999 lb	S	S	S	1	–	1	S	S	S
1,000 to 9,999 lb	17	7	10	S	S	S	S	5	14
10,000 to 49,999 lb	112	75	104	12	19	37	82	72	218
50,000 to 99,999 lb	13	15	23	S	S	S	S	S	S
100,000 lb or more	28	79	124	S	S	S	S	60	192
SCTG 27, Pulp, newsprint, paper, and paperboard	**1 301**	**1 204**	**1 724**	**208**	**134**	**276**	**402**	**289**	**944**
Less than 50 lb	2	–	–	S	S	S	S	–	–
50 to 99 lb	3	–	–	S	S	S	2	–	–
100 to 499 lb	13	2	2	6	1	1	23	2	5
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	5	S	S	S	S	S	1	–	1
1,000 to 9,999 lb	78	18	24	26	8	14	60	19	55
10,000 to 49,999 lb	677	609	817	164	111	223	244	132	392
50,000 to 99,999 lb	S	26	40	–	–	–	–	–	–
100,000 lb or more	473	543	833	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	**342**	**105**	**149**	**75**	**22**	**42**	**S**	**S**	**S**
Less than 50 lb	21	1	2	23	1	2	30	1	3
50 to 99 lb	3	S	1	S	–	1	S	1	2
100 to 499 lb	33	5	7	6	1	2	23	3	9
500 to 749 lb	15	S	S	S	S	S	S	S	S
750 to 999 lb	4	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	63	20	28	18	7	13	S	S	S
10,000 to 49,999 lb	202	74	106	20	12	24	95	33	98
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**737**	**73**	**101**	**254**	**29**	**55**	**941**	**46**	**136**
Less than 50 lb	407	14	20	109	5	9	680	14	41
50 to 99 lb	52	3	4	S	1	2	S	S	S
100 to 499 lb	99	9	12	56	4	8	73	7	22
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	1	1	S	S	S	–	–	–
1,000 to 9,999 lb	48	9	12	12	3	6	S	11	33
10,000 to 49,999 lb	93	35	47	S	S	S	24	7	22
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**2 336**	**144**	**204**	**784**	**48**	**94**	**1 555**	**98**	**317**
Less than 50 lb	711	15	22	264	6	12	545	11	32
50 to 99 lb	155	5	6	46	1	2	95	3	9
100 to 499 lb	272	13	18	98	4	9	259	11	33
500 to 749 lb	S	5	6	S	2	4	61	4	11
750 to 999 lb	39	5	6	8	1	1	50	4	12
1,000 to 9,999 lb	540	44	61	190	20	40	298	29	86
10,000 to 49,999 lb	508	56	81	S	13	25	243	36	134
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 31, Nonmetallic mineral products	**115**	**S**	**S**	**85**	**18**	**38**	**112**	**S**	**S**
Less than 50 lb	28	2	2	S	1	1	71	3	8
50 to 99 lb	5	–	–	S	S	S	6	–	1
100 to 499 lb	13	1	2	8	1	1	6	–	1
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	11	8	12	S	2	4	16	11	32
10,000 to 49,999 lb	38	41	58	S	S	S	12	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**540**	**216**	**317**	**158**	**S**	**S**	**878**	**344**	**983**
Less than 50 lb	23	1	1	6	–	–	S	–	1
50 to 99 lb	12	–	–	S	S	S	S	–	1
100 to 499 lb	64	3	4	18	1	1	91	2	6
500 to 749 lb	S	2	3	S	S	S	4	–	1
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	164	66	89	S	14	27	172	32	97
10,000 to 49,999 lb	125	71	97	34	13	S	153	86	243
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 33, Articles of base metal	**577**	**76**	**105**	**221**	**42**	**83**	**445**	**S**	**S**
Less than 50 lb	123	3	5	50	1	3	133	3	8
50 to 99 lb	34	2	3	S	–	1	27	1	3
100 to 499 lb	184	14	19	42	2	5	100	6	17
500 to 749 lb	72	8	11	15	1	2	27	3	8
750 to 999 lb	10	1	1	S	S	S	20	S	S
1,000 to 9,999 lb	113	23	33	S	S	S	105	18	53
10,000 to 49,999 lb	41	26	33	28	16	32	29	8	24
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 34, Machinery	**1 622**	**42**	**62**	**514**	**23**	**45**	**1 930**	**41**	**120**
Less than 50 lb	313	2	2	91	1	1	357	2	5
50 to 99 lb	153	1	2	42	–	1	S	1	4
100 to 499 lb	395	7	10	85	2	4	S	4	10
500 to 749 lb	S	3	4	S	1	1	72	3	7
750 to 999 lb	23	S	S	S	S	S	16	1	2
1,000 to 9,999 lb	S	20	28	207	15	28	256	8	25
10,000 to 49,999 lb	S	S	S	S	4	7	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**6 155**	**92**	**130**	**3 865**	**105**	**203**	**9 357**	**109**	**317**
Less than 50 lb	2 196	7	10	1 677	3	7	3 508	10	29
50 to 99 lb	1 069	6	8	199	2	4	1 216	4	12
100 to 499 lb	S	19	28	684	11	22	2 392	16	46
500 to 749 lb	108	4	6	161	3	6	436	4	12
750 to 999 lb	S	5	7	20	1	3	S	2	7
1,000 to 9,999 lb	716	35	49	881	51	99	1 279	41	121
10,000 to 49,999 lb	143	15	21	S	S	S	190	31	90
50,000 to 99,999 lb	S	S	S	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	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)	**519**	**36**	**48**	**106**	**11**	**21**	**203**	**19**	**54**
Less than 50 lb	S	1	2	12	–	1	38	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	92	6	8	S	2	3	S	S	S
500 to 749 lb	S	S	S	S	–	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	27	4	7	21	2	6
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**424**	**5**	**7**	**52**	**S**	**S**	**775**	**3**	**10**
Less than 50 lb	218	–	1	37	–	S	291	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	1	1	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	25	1	1	S	S	1	S	1	2
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**1 901**	**15**	**21**	**1 346**	**14**	**28**	**2 058**	**14**	**40**
Less than 50 lb	919	4	5	673	2	3	1 281	3	8
50 to 99 lb	211	1	2	51	–	1	326	1	4
100 to 499 lb	638	5	7	196	1	3	217	3	9
500 to 749 lb	S	S	S	S	S	S	S	–	1
750 to 999 lb	S	–	1	S	S	S	S	–	1
1,000 to 9,999 lb	73	3	5	S	S	S	160	5	13
10,000 to 49,999 lb	–	–	–	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**231**	**28**	**39**	**79**	**9**	**18**	**136**	**20**	**63**
Less than 50 lb	48	S	S	4	–	–	S	S	S
50 to 99 lb	S	–	–	S	–	–	3	–	1
100 to 499 lb	37	4	5	19	2	3	18	2	5
500 to 749 lb	14	1	2	S	S	S	8	1	3
750 to 999 lb	S	1	2	S	S	S	S	S	S
1,000 to 9,999 lb	51	5	8	S	2	4	58	7	21
10,000 to 49,999 lb	64	14	19	S	4	8	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**2 099**	**131**	**190**	**1 260**	**S**	**S**	**3 459**	**159**	**460**
Less than 50 lb	845	14	19	423	5	11	1 307	15	43
50 to 99 lb	150	7	9	159	4	7	181	6	16
100 to 499 lb	441	19	27	245	14	28	1 036	17	54
500 to 749 lb	58	5	6	39	2	4	S	4	11
750 to 999 lb	45	2	4	S	S	S	65	3	8
1,000 to 9,999 lb	406	38	55	326	24	50	421	35	106
10,000 to 49,999 lb	132	32	45	S	S	S	S	14	43
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**95**	**109**	**154**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	42	56	76	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**S**	**S**	**S**	**S**	**S**	**S**	**4**	**S**	**S**
Less than 50 lb	S	–	–	S	S	S	S	–	–
50 to 99 lb	–	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**191**	**S**	**S**	**S**	**S**	**S**	**151**	**S**	**S**
Less than 50 lb	22	1	1	14	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	1	1	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–

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

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

[1]Based on Great Circle Distance.

Appendix A.
Comparability With the 1993 Commodity Flow Survey

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

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

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

Appendix B. Reliability of the Estimates

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

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

SAMPLING ERROR

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

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

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

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

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

NONSAMPLING ERROR

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

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

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

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**	**4.3**
Single modes	**3.2**	**.9**	**8.6**	**.3**	**10.0**	**1.8**	**5.1**
Truck	3.2	1.2	8.8	1.1	8.9	3.3	6.9
For-hire truck	4.8	1.4	19.4	3.1	5.3	3.1	5.8
Private truck	4.6	1.0	10.0	3.3	21.2	3.5	8.1
Rail	13.2	.2	36.2	.8	38.1	3.3	5.8
Water	1.0	–	S	S	S	S	S
Shallow draft	43.8	–	S	S	S	S	49.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	1.0	–	S	S	S	S	S
Air (includes truck and air)	12.5	.6	35.9	–	49.6	.3	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	**7.4**	**.9**	**10.4**	**.1**	**21.9**	**1.2**	**3.9**
Parcel, U.S. Postal Service or courier	7.4	.9	5.8	–	8.2	.5	3.9
Truck and rail	37.1	.1	26.0	–	26.1	.4	10.7
Truck and water	26.2	–	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**9.5**	**.3**	**16.7**	**.3**	**26.8**	**1.4**	**22.1**

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	**3.8**	**3.6**	**6.5**	**8.4**	**11.0**	**15.2**	**8.8**	**4.1**	**14.0**	**4.3**	**8.6**	**9.2**
Single modes	**3.2**	**4.4**	**6.5**	**8.6**	**11.3**	**15.5**	**10.0**	**4.4**	**15.6**	**5.1**	**8.8**	**9.2**
Truck	3.2	4.2	6.0	8.8	11.4	15.3	8.9	4.6	12.9	6.9	7.0	9.4
For-hire truck	4.8	6.1	8.2	19.4	9.0	22.4	5.3	4.4	7.7	5.8	6.1	7.2
Private truck	4.6	4.0	7.4	10.0	14.8	18.5	21.2	9.2	37.6	8.1	8.9	11.7
Rail	13.2	14.8	29.8	36.2	18.4	76.1	38.1	11.6	88.5	5.8	10.5	13.7
Water	1.0	S	S	S	S	S	S	S	S	S	S	S
Shallow draft	43.8	S	S	S	S	S	S	S	S	49.6	22.4	196.7
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	1.0	S	S	S	S	S	S	S	S	S	22.2	S
Air (includes truck and air)	12.5	14.7	37.3	35.9	14.7	102.4	49.6	13.5	153.7	3.5	2.0	3.9
Pipeline	S	S	S	S	S	S	S	S	S	S	S	S
Multiple modes	**7.4**	**4.1**	**12.9**	**10.4**	**8.5**	**16.1**	**21.9**	**11.0**	**47.9**	**3.9**	**4.8**	**6.3**
Parcel, U.S. Postal Service or courier	7.4	4.2	12.9	5.8	6.8	10.6	8.2	7.9	15.9	3.9	4.8	6.3
Truck and rail	37.1	30.9	171.1	26.0	24.4	22.9	26.1	26.6	57.5	10.7	17.7	28.0
Truck and water	26.2	33.4	145.9	S	42.7	S	S	S	S	S	38.6	S
Rail and water	–	–	–	–	–	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	S	S	S	22.4	22.4	2.2
Other and unknown modes	**9.5**	**13.4**	**15.1**	**16.7**	**20.1**	**25.9**	**26.8**	**29.3**	**59.6**	**22.1**	**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–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**	**.9**	**.3**	**.4**	**1.8**	**1.3**
Truck	1.2	.9	1.1	.6	3.3	1.8
For-hire truck	1.4	1.2	3.1	2.2	3.1	1.9
Private truck	1.0	1.2	3.3	2.2	3.5	1.6
Rail	.2	.1	.8	.3	3.3	1.1
Water	–	S	S	S	S	S
Shallow draft	–	S	S	S	S	S
Great Lakes	–	–	–	–	–	–
Deep draft	–	S	S	S	S	S
Air (includes truck and air)	.6	.4	–	–	.3	–
Pipeline	S	S	S	S	S	S
Multiple modes	**.9**	**.8**	**.1**	**–**	**1.2**	**.4**
Parcel, U.S. Postal Service or courier	.9	.8	–	–	.5	.2
Truck and rail	.1	–	–	–	.4	.3
Truck and water	–	–	S	–	S	S
Rail and water	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S
Other and unknown modes	**.3**	**.6**	**.3**	**.3**	**1.4**	**1.2**

– 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–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	**8.8**	**–**	**4.3**
Truck	8.9	3.3	6.9
Rail	35.5	3.3	6.5
Shallow draft	S	S	18.5
Great Lakes	–	–	–
Deep draft	S	S	23.7
Air	S	S	3.7
Parcel, U.S. Postal Service or courier	8.2	.5	3.9
Pipeline	S	S	S
Other and unknown modes	26.8	1.4	22.1

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

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

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**
Less than 50 miles	4.7	.9	10.6	2.8	8.9	.8
50 to 99 miles	5.4	.6	16.8	1.4	16.7	.9
100 to 249 miles	6.3	.7	19.4	1.7	20.5	2.1
250 to 499 miles	6.9	.4	26.2	.7	32.5	1.8
500 to 749 miles	5.2	.3	7.5	.2	7.9	1.0
750 to 999 miles	4.5	.3	34.4	.7	33.4	3.2
1,000 to 1,499 miles	5.8	.3	6.4	.1	6.7	1.0
1,500 to 1,999 miles	11.1	.4	36.2	.3	40.1	1.9
2,000 miles or more	10.0	.6	11.0	.1	11.4	1.6
Single modes	**3.2**	**–**	**8.6**	**–**	**10.0**	**–**
Less than 50 miles	4.9	1.1	10.7	2.9	9.0	.9
50 to 99 miles	5.7	.7	17.2	1.5	17.1	1.0
100 to 249 miles	6.4	.8	20.2	1.7	21.3	2.3
250 to 499 miles	7.7	.5	26.9	.7	33.2	1.9
500 to 749 miles	7.2	.4	8.2	.2	8.5	1.1
750 to 999 miles	5.8	.4	37.7	.7	37.5	3.2
1,000 to 1,499 miles	7.9	.4	5.8	.1	6.3	1.0
1,500 to 1,999 miles	15.3	.4	43.5	.3	47.2	2.0
2,000 miles or more	9.7	.5	12.7	.1	13.2	1.7
Truck	**3.2**	**–**	**8.8**	**–**	**8.9**	**–**
Less than 50 miles	5.0	1.3	10.8	2.8	9.1	1.1
50 to 99 miles	6.5	.8	18.1	1.5	17.8	1.1
100 to 249 miles	7.1	.9	19.7	1.6	22.3	2.3
250 to 499 miles	7.8	.5	27.9	.8	35.0	2.2
500 to 749 miles	7.3	.4	7.3	.1	7.3	.7
750 to 999 miles	6.2	.4	9.0	.2	9.0	1.3
1,000 to 1,499 miles	6.8	.3	6.1	.1	6.7	.9
1,500 to 1,999 miles	11.0	.3	45.0	.3	48.9	2.1
2,000 miles or more	8.1	.3	12.2	–	12.0	1.5
For-hire truck	**4.8**	**–**	**19.4**	**–**	**5.3**	**–**
Less than 50 miles	11.7	1.2	31.2	4.5	26.3	.7
50 to 99 miles	11.8	1.2	28.8	1.0	28.2	.8
100 to 249 miles	9.2	1.1	10.2	1.7	10.4	.9
250 to 499 miles	9.0	1.0	10.3	1.3	9.5	1.0
500 to 749 miles	8.3	.7	6.5	.8	6.7	.8
750 to 999 miles	5.8	.5	8.7	.7	8.4	1.3
1,000 to 1,499 miles	7.6	.6	6.1	.5	6.7	1.1
1,500 to 1,999 miles	10.4	.4	19.9	.4	21.8	1.4
2,000 miles or more	7.7	.4	14.2	.4	14.1	2.0
Private truck	**4.6**	**–**	**10.0**	**–**	**21.2**	**–**
Less than 50 miles	5.2	1.5	12.2	3.6	10.0	4.2
50 to 99 miles	7.2	.8	18.5	1.9	18.6	2.5
100 to 249 miles	6.5	.6	31.1	1.9	35.3	3.7
250 to 499 miles	11.9	.2	S	S	S	S
500 to 749 miles	14.2	.2	22.2	–	22.6	.6
750 to 999 miles	22.0	.4	29.0	.1	28.9	1.4
1,000 to 1,499 miles	17.3	.2	16.6	–	16.1	.5
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	23.2	.2	41.4	–	39.2	.9
Rail	**13.2**	**–**	**36.2**	**–**	**38.1**	**–**
Less than 50 miles	S	S	S	S	40.1	.1
50 to 99 miles	36.3	.5	36.7	1.2	S	S
100 to 249 miles	29.8	1.8	S	S	S	S
250 to 499 miles	34.3	2.7	18.8	2.9	19.6	1.9
500 to 749 miles	32.9	1.7	23.6	2.2	24.0	2.3
750 to 999 miles	23.3	4.6	S	S	S	S
1,000 to 1,499 miles	17.0	2.8	14.0	3.0	14.8	4.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	29.7	2.5	46.0	1.6	47.8	3.6
Water	**1.0**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	–	.8	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Shallow draft	**43.8**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

See footnotes at end of table.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
Single modes—Con.						
Great Lakes	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Deep draft	**1.0**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	–	.8	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Air (includes truck and air)	**12.5**	**–**	**35.9**	**–**	**49.6**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	15.6	1.1	26.2	3.6	36.7	1.2
100 to 249 miles	22.5	2.3	27.5	3.2	24.1	1.0
250 to 499 miles	29.3	1.3	S	S	S	S
500 to 749 miles	39.8	2.9	38.4	2.9	39.0	2.6
750 to 999 miles	17.9	2.0	28.6	2.9	33.4	3.2
1,000 to 1,499 miles	19.3	2.5	19.2	3.8	19.6	4.2
1,500 to 1,999 miles	42.5	2.9	21.4	1.5	22.9	2.1
2,000 miles or more	18.5	2.9	S	S	S	S
Pipeline	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	–	–	–	–	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	**7.4**	**–**	**10.4**	**–**	**21.9**	**–**
Less than 50 miles	8.1	1.0	12.9	2.0	19.1	.2
50 to 99 miles	10.6	.6	12.4	1.1	14.3	.2
100 to 249 miles	9.4	1.0	10.9	1.5	11.2	.5
250 to 499 miles	9.8	.5	9.2	.5	8.7	.4
500 to 749 miles	5.7	.6	8.8	.5	8.7	.5
750 to 999 miles	9.4	.6	S	S	S	S
1,000 to 1,499 miles	12.7	.7	7.4	.8	8.2	1.2
1,500 to 1,999 miles	11.1	.3	25.4	.9	18.8	1.3
2,000 miles or more	13.3	1.1	12.4	1.9	11.7	4.1
Parcel, U.S. Postal Service or courier	**7.4**	**–**	**5.8**	**–**	**8.2**	**–**
Less than 50 miles	8.2	1.1	11.8	1.8	12.1	.1
50 to 99 miles	10.6	.6	12.0	1.0	11.9	.1
100 to 249 miles	9.6	1.0	11.5	1.3	11.6	.5
250 to 499 miles	9.8	.5	9.2	.5	8.7	.4
500 to 749 miles	5.7	.6	8.9	.5	8.8	.7
750 to 999 miles	9.0	.6	7.2	.7	7.2	.7
1,000 to 1,499 miles	12.7	.7	6.3	.9	6.1	1.2
1,500 to 1,999 miles	11.3	.3	13.6	.5	13.6	1.2
2,000 miles or more	13.8	1.0	17.2	1.6	17.5	2.6
Truck and rail	**37.1**	**–**	**26.0**	**–**	**26.1**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	47.5	1.7	S	S	S	S
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	39.1	3.1	39.7	1.7
1,000 to 1,499 miles	47.2	2.8	S	S	S	S
1,500 to 1,999 miles	43.5	5.6	S	S	S	S
2,000 miles or more	42.3	8.2	25.4	7.1	24.0	7.3
Truck and water	**26.2**	**–**	**S**	**S**	**S**	**S**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	34.3	8.1	29.7	9.2	29.0	9.9
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	44.6	8.8	47.7	9.3	47.0	11.1

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	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	–	–	–	–	–	–
100 to 249 miles	–	–	–	–	–	–
250 to 499 miles	–	–	–	–	–	–
500 to 749 miles	–	–	–	–	–	–
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–
Other multiple modes	**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	–	–	–	–	–	–
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	–	–	–	–	–	–
Other and unknown modes	**9.5**	**–**	**16.7**	**–**	**26.8**	**–**
Less than 50 miles	15.3	4.5	15.1	5.0	21.0	.8
50 to 99 miles	16.2	1.6	22.8	1.4	23.8	.5
100 to 249 miles	17.0	1.7	23.3	2.4	23.9	1.4
250 to 499 miles	33.0	2.6	17.5	.9	17.9	1.5
500 to 749 miles	19.1	.8	40.6	1.0	42.1	1.2
750 to 999 miles	18.1	.8	36.0	1.8	35.6	3.7
1,000 to 1,499 miles	16.7	1.6	47.5	3.8	47.2	4.8
1,500 to 1,999 miles	43.9	2.3	39.4	1.4	38.8	4.2
2,000 miles or more	23.8	1.0	39.4	1.2	38.4	4.1

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**	**4.3**
Less than 50 lb	7.5	.9	6.8	–	5.5	.2	4.9
50 to 99 lb	7.9	.4	6.3	–	7.2	–	7.9
100 to 499 lb	6.7	.8	4.2	.2	4.7	.2	6.3
500 to 749 lb	8.2	.4	5.8	–	4.5	.1	5.3
750 to 999 lb	8.8	.3	5.4	–	21.2	.4	13.1
1,000 to 9,999 lb	4.2	.7	4.2	.8	7.3	1.2	7.3
10,000 to 49,999 lb	4.5	1.1	10.8	3.2	6.8	3.2	6.9
50,000 to 99,999 lb	10.7	.2	15.8	2.3	28.4	1.8	19.6
100,000 lb or more	16.3	.5	19.8	2.5	21.5	3.8	18.3
Single modes	**3.2**	**–**	**8.6**	**–**	**10.0**	**–**	**5.1**
Less than 50 lb	8.7	.8	12.7	–	8.7	–	9.4
50 to 99 lb	11.8	.5	9.0	–	10.7	–	9.9
100 to 499 lb	7.1	.8	5.1	.2	5.7	.2	6.9
500 to 749 lb	9.0	.4	6.1	–	5.0	.1	6.2
750 to 999 lb	9.7	.4	5.6	–	8.3	–	6.9
1,000 to 9,999 lb	4.2	.8	4.3	.9	7.6	1.3	7.4
10,000 to 49,999 lb	4.3	1.3	11.0	3.2	7.2	3.5	7.2
50,000 to 99,999 lb	11.1	.3	15.9	2.4	31.2	2.0	18.2
100,000 lb or more	16.4	.6	20.3	2.5	23.8	4.1	19.3
Truck	**3.2**	**–**	**8.8**	**–**	**8.9**	**–**	**6.9**
Less than 50 lb	10.4	.7	13.0	–	9.4	–	12.8
50 to 99 lb	14.5	.5	9.0	–	9.9	–	10.3
100 to 499 lb	6.7	.8	5.1	.2	5.6	.2	7.0
500 to 749 lb	9.4	.5	6.0	–	5.0	.1	6.3
750 to 999 lb	7.4	.2	5.6	–	8.4	.1	6.9
1,000 to 9,999 lb	4.3	.9	4.4	.9	6.1	1.4	5.7
10,000 to 49,999 lb	4.3	1.4	11.0	3.3	7.2	3.7	7.0
50,000 to 99,999 lb	11.1	.4	15.9	2.5	32.1	2.4	18.7
100,000 lb or more	35.5	.6	23.3	2.4	31.7	3.7	20.9
For-hire truck	**4.8**	**–**	**19.4**	**–**	**5.3**	**–**	**5.8**
Less than 50 lb	15.5	.9	27.4	–	12.2	–	15.7
50 to 99 lb	26.2	.8	28.9	–	12.8	–	14.9
100 to 499 lb	10.9	1.3	8.3	.3	6.5	.2	6.4
500 to 749 lb	16.5	.7	6.7	–	5.9	–	5.1
750 to 999 lb	10.4	.3	6.8	–	10.0	–	5.5
1,000 to 9,999 lb	5.2	1.4	6.7	1.4	7.7	1.4	4.2
10,000 to 49,999 lb	6.3	1.8	18.5	2.7	6.4	2.8	10.1
50,000 to 99,999 lb	22.4	.3	39.8	3.7	21.9	1.2	17.2
100,000 lb or more	42.9	.8	22.3	1.7	33.6	3.2	25.5
Private truck	**4.6**	**–**	**10.0**	**–**	**21.2**	**–**	**8.1**
Less than 50 lb	10.5	.8	11.3	–	11.8	–	14.8
50 to 99 lb	7.0	.3	7.3	–	12.0	–	9.4
100 to 499 lb	8.1	.9	6.8	.2	11.7	.3	7.5
500 to 749 lb	12.4	.6	8.3	.1	15.3	.2	10.2
750 to 999 lb	8.4	.3	7.2	.1	12.1	.2	6.4
1,000 to 9,999 lb	6.0	1.2	5.7	1.2	9.0	2.4	8.8
10,000 to 49,999 lb	6.2	1.5	15.0	3.9	18.7	5.4	9.5
50,000 to 99,999 lb	14.2	.6	15.0	2.5	44.1	3.6	23.1
100,000 lb or more	38.6	.6	31.6	3.2	47.0	6.1	20.6
Rail	**13.2**	**–**	**36.2**	**–**	**38.1**	**–**	**5.8**
Less than 50 lb	S	S	46.2	–	S	S	21.7
50 to 99 lb	S	S	S	S	S	S	21.7
100 to 499 lb	S	S	S	S	S	S	21.4
500 to 749 lb	S	S	S	S	S	S	22.0
750 to 999 lb	S	S	S	S	S	S	23.4
1,000 to 9,999 lb	S	S	S	S	S	S	20.5
10,000 to 49,999 lb	36.6	5.0	27.0	1.2	32.3	2.2	13.0
50,000 to 99,999 lb	41.0	1.3	49.7	1.7	28.6	1.3	18.6
100,000 lb or more	16.5	5.6	38.4	2.4	41.0	2.7	7.3
Water	**1.0**	**–**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	33.6
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	22.0
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	22.1
10,000 to 49,999 lb	S	S	S	S	S	S	22.0
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	.9	.4	S	S	S	S	48.9
Shallow draft	**43.8**	**–**	**S**	**S**	**S**	**S**	**49.6**
Less than 50 lb	S	S	S	S	S	S	24.0
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
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	25.8
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–

See footnote at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Single modes—Con.							
Great Lakes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Deep draft	**1.0**	**–**	**S**	**S**	**S**	**S**	**S**
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	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	22.0
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	.9	.4	S	S	S	S	48.9
Air (includes truck and air)	**12.5**	**–**	**35.9**	**–**	**49.6**	**–**	**3.5**
Less than 50 lb	17.9	3.7	15.4	2.3	15.8	3.4	3.8
50 to 99 lb	19.7	2.2	18.7	1.2	19.8	1.5	5.6
100 to 499 lb	22.8	3.6	29.8	3.4	16.0	5.1	7.4
500 to 749 lb	43.4	2.9	42.7	2.7	37.6	2.8	11.3
750 to 999 lb	48.6	3.3	21.5	1.5	21.1	.9	18.2
1,000 to 9,999 lb	24.0	1.4	S	S	S	S	11.9
10,000 to 49,999 lb	40.4	.1	33.2	2.1	37.5	1.9	21.0
50,000 to 99,999 lb	S	S	47.9	3.4	S	S	23.8
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	S	S	S
100 to 499 lb	–	–	–	–	S	S	S
500 to 749 lb	–	–	–	–	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
50,000 to 99,999 lb	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S
Multiple modes	**7.4**	**–**	**10.4**	**–**	**21.9**	**–**	**3.9**
Less than 50 lb	9.0	1.7	6.3	2.3	6.4	2.6	4.0
50 to 99 lb	7.7	.6	5.5	.9	7.6	1.1	5.7
100 to 499 lb	10.4	1.4	10.2	2.1	8.2	2.3	8.3
500 to 749 lb	19.2	.6	19.5	.8	28.0	1.1	14.7
750 to 999 lb	19.2	.2	37.1	1.7	S	S	13.5
1,000 to 9,999 lb	S	S	27.9	.2	S	S	27.5
10,000 to 49,999 lb	45.6	.3	26.9	2.8	24.6	4.0	16.8
50,000 to 99,999 lb	46.2	–	40.5	1.1	S	S	29.7
100,000 lb or more	36.6	–	S	S	S	S	18.2
Parcel, U.S. Postal Service or courier	**7.4**	**–**	**5.8**	**–**	**8.2**	**–**	**3.9**
Less than 50 lb	9.0	1.6	6.3	1.7	6.4	1.8	4.0
50 to 99 lb	7.6	.7	5.5	1.0	7.6	1.3	5.7
100 to 499 lb	10.5	1.5	10.3	1.9	8.2	2.0	8.2
500 to 749 lb	19.3	.6	19.5	1.0	28.3	1.1	14.6
750 to 999 lb	19.2	.2	37.2	1.8	S	S	13.3
1,000 to 9,999 lb	44.2	–	S	S	S	S	24.8
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**37.1**	**–**	**26.0**	**–**	**26.1**	**–**	**10.7**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	23.0
500 to 749 lb	S	S	S	S	S	S	23.6
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	36.7	5.9	34.7	5.3	18.1
10,000 to 49,999 lb	S	S	30.7	5.6	28.0	6.4	10.6
50,000 to 99,999 lb	46.1	3.6	42.1	4.0	S	S	28.7
100,000 lb or more	42.3	2.7	35.4	3.3	37.2	3.5	18.5
Truck and water	**26.2**	**–**	**S**	**S**	**S**	**S**	**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	S
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	21.7
10,000 to 49,999 lb	48.1	10.3	46.0	11.2	49.2	11.1	37.3
50,000 to 99,999 lb	48.7	6.1	49.4	4.9	49.4	5.1	20.5
100,000 lb or more	S	S	S	S	S	S	31.7

See footnote at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	–	–	–	–	–	–	–
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Other multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	22.4
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	–	–	–	–	–	–	–
Other and unknown modes	**9.5**	**–**	**16.7**	**–**	**26.8**	**–**	**22.1**
Less than 50 lb	17.3	3.1	25.9	.9	41.7	.2	26.5
50 to 99 lb	17.3	1.0	20.0	.2	26.4	–	37.2
100 to 499 lb	15.4	1.7	15.4	.6	28.2	.4	27.4
500 to 749 lb	S	S	23.8	.3	37.4	.2	S
750 to 999 lb	29.9	.3	36.6	.3	S	S	18.8
1,000 to 9,999 lb	16.4	4.2	14.1	4.6	19.2	5.4	17.1
10,000 to 49,999 lb	19.9	2.8	22.7	4.2	34.8	4.1	14.2
50,000 to 99,999 lb	23.3	.3	33.4	2.1	48.2	2.8	20.8
100,000 lb or more	49.4	1.6	39.7	3.9	S	S	20.3

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**	**4.3**
01	Live animals and live fish	S	S	S	S	S	S	S
02	Cereal grains	S	S	40.4	–	46.3	–	22.4
03	Other agricultural products	21.9	.2	31.1	.5	32.9	.5	20.0
04	Animal feed and products of animal origin, n.e.c.	S	S	S	S	S	S	S
05	Meat, fish, seafood, and their preparations	11.3	.2	15.1	.2	24.9	.4	16.9
06	Milled grain products and preparations, and bakery products	24.3	.4	28.9	.3	23.3	.4	23.3
07	Other prepared foodstuffs and fats and oils	10.9	.3	13.7	.7	12.4	.6	19.9
08	Alcoholic beverages	8.8	.1	9.6	.2	29.6	.2	5.6
09	Tobacco products	18.3	.2	26.5	–	26.4	–	49.4
10	Monumental or building stone	17.9	–	23.8	–	42.7	–	20.3
11	Natural sands	26.0	–	32.5	1.5	23.2	.5	S
12	Gravel and crushed stone	13.0	–	14.5	2.4	24.8	1.1	39.7
13	Nonmetallic minerals n.e.c.	22.1	–	35.9	.4	20.9	.2	43.1
14	Metallic ores and concentrates	S	S	47.3	–	S	S	21.5
15	Coal	S	S	S	S	S	S	22.0
17	Gasoline and aviation turbine fuel	11.3	.1	12.0	1.0	21.9	.3	7.6
18	Fuel oils	16.9	.1	21.9	1.0	43.3	.7	20.3
19	Coal and petroleum products, n.e.c.	15.1	–	16.9	.5	17.9	–	36.5
20	Basic chemicals	12.2	.1	17.7	.1	26.3	.3	42.5
21	Pharmaceutical products	30.2	1.5	30.8	–	23.9	.1	19.1
22	Fertilizers	S	S	S	S	S	S	21.4
23	Chemical products and preparations, n.e.c.	13.1	.3	17.2	.2	26.6	.5	21.7
24	Plastics and rubber	7.0	.3	42.6	2.0	33.2	2.2	11.3
25	Logs and other wood in the rough	S	S	S	S	S	S	17.9
26	Wood products	9.1	.2	35.3	1.7	19.4	1.1	11.0
27	Pulp, newsprint, paper, and paperboard	10.3	.3	9.4	.4	14.3	1.9	17.6
28	Paper or paperboard articles	10.9	.3	9.5	.1	31.0	.5	15.3
29	Printed products	11.1	.3	10.2	.2	10.2	.1	18.1
30	Textiles, leather, and articles of textiles or leather	7.7	.5	8.1	–	11.5	.3	3.5
31	Nonmetallic mineral products	11.3	–	17.4	1.5	28.7	1.2	11.0
32	Base metal in primary or semifinished forms and in finished basic shapes	11.9	.4	30.2	.8	45.9	3.5	10.2
33	Articles of base metal	12.5	.4	16.9	.2	29.3	1.0	13.7
34	Machinery	9.5	.7	9.3	–	15.9	.2	10.9
35	Electronic and other electrical equipment and components and office equipment	11.5	2.0	10.9	–	10.9	.4	8.9
36	Motorized and other vehicles (including parts)	16.3	.5	23.3	.1	18.2	.1	44.2
37	Transportation equipment, n.e.c.	16.8	.4	11.3	–	16.7	–	18.2
38	Precision instruments and apparatus	12.6	.6	15.0	–	18.1	–	8.1
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	.2	11.9	–	15.6	–	12.9
40	Miscellaneous manufactured products	8.7	.5	34.6	.5	S	S	5.1
41	Waste and scrap	26.0	.2	36.9	1.3	29.0	1.9	25.1
43	Mixed freight	17.0	.2	25.3	.2	24.0	–	S
--	Commodity unknown	24.4	.1	49.8	.2	S	S	14.4

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**	**4.3**
010	Live animals and live fish	S	S	S	S	S	S	S
021	Wheat	–	–	–	–	–	–	–
022	Corn, except sweet	S	S	S	S	S	S	22.0
029	Other cereal grains	S	S	43.6	–	46.3	–	22.0
031	Fresh or chilled potatoes (Irish potatoes), except sweet	49.8	–	44.3	–	S	S	S
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	40.0	.1	S	S	S	S	21.1
033	Fresh, chilled, or dried edible fruit and nuts	S	S	S	S	S	S	28.2
034	Soya beans	–	–	–	–	–	–	–
035	Oil seeds and nuts, except olives and soya beans	S	S	S	S	S	S	21.7
036	Bulbs, live plants, and seeds for sowing, n.e.c.	44.1	–	43.8	–	41.0	–	20.4
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	47.3	.1	S	S	48.8	.3	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	40.1	–	41.7	–	48.1	.2	21.0
042	Animal feed preparations	S	S	S	S	S	S	S
051	Meat including poultry, except preparations	18.5	.2	20.5	.1	19.9	–	21.0
052	Fish, except live, and seafood, except preparations	15.9	.1	21.8	–	30.2	.4	40.6
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	21.8
061	Wheat flour, groats, and meal	48.7	–	S	S	S	S	21.5
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	S	S	S	S	S	S	22.4
063	Food preparations of cereals, flour, starch, or milk	24.2	–	29.6	–	26.1	.1	34.1
064	Bakery products	26.1	.3	31.5	.2	32.5	.3	39.9
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	18.4	.1	20.6	.3	24.6	.1	42.4
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	20.6	.1	20.2	.1	25.5	.4	25.8
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	S	S	49.6	–	S	S	23.4
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	S	S	S	S	S	S	43.7
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	43.1	–	S	S	S	S	27.2
076	Confectionery, cocoa, and cocoa preparations	35.3	.1	34.5	–	38.3	.1	20.9
077	Edible preparations, n.e.c. and vinegar	34.3	.2	24.2	–	31.3	.3	14.7
078	Nonalcoholic beverages, n.e.c. and ice	29.6	.2	27.8	.5	26.3	.3	14.6
081	Malt Beer	12.6	.1	11.6	.2	33.3	.2	15.7
082	Wine and other fermented beverages	21.0	–	21.7	–	46.6	–	4.9
083	Spirituous beverages and ethyl alcohol	24.6	–	26.2	–	S	S	S
090	Tobacco products	18.3	.2	26.5	–	26.4	–	49.4
100	Monumental or building stone, except dolomite	17.9	–	23.8	–	42.7	–	20.3
110	Natural sands, except metal-bearing	26.0	–	32.5	1.5	23.2	.5	S
120	Gravel and crushed stone, except dolomite and slate	13.0	–	14.5	2.4	24.8	1.1	39.7
131	Salt	S	S	S	S	47.1	–	45.5
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	–	–	–	–	–	–	–
133	Dolomite	S	S	S	S	S	S	20.6
139	Other nonmetallic minerals	22.9	–	40.6	.4	23.7	.1	40.8
141	Iron ores and concentrates	S	S	S	S	S	S	22.2
149	Other metallic ores and concentrates	S	S	S	S	S	S	21.8
151	Nonagglomerated bituminous coal	S	S	S	S	S	S	22.4
159	Other coal	S	S	S	S	S	S	22.4
171	Gasoline	10.8	.1	11.6	.9	21.9	.3	7.9
172	Aviation turbine fuel (types A and B)	S	S	S	S	43.5	–	23.5
180	Fuel oils	16.9	.1	21.9	1.0	43.3	.7	20.3
191	Lubricating oils and greases	30.1	–	32.5	–	41.0	–	16.1
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	36.4	–	40.2	–	44.6	–	39.7
193	Gaseous hydrocarbons	S	S	S	S	49.3	–	S
199	Other products of petroleum refining, and coal products	18.1	–	18.4	.6	21.7	–	21.2
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	30.5	–	37.6	–	48.1	–	S
202	Inorganic chemicals, n.e.c.	24.6	–	25.8	.1	28.0	.1	40.5
203	Cyclic hydrocarbons	37.8	–	S	S	42.3	–	S
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	30.8	–	36.8	–	49.5	–	22.1
205	Organic chemicals, n.e.c.	13.9	–	26.4	–	42.5	.3	S
210	Pharmaceutical products	30.2	1.5	30.8	–	23.9	.1	19.1
220	Fertilizers and fertilizer materials	S	S	S	S	S	S	21.4
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	25.5	.1	35.3	.1	42.4	.2	S
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	33.8	.2	38.7	.1	44.1	.5	43.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	22.6	–	32.0	–	42.0	–	23.9
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	19.4	.1	19.8	–	33.7	–	20.3
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	48.8	–	S	S	45.6	–	46.3
239	Other chemical products and preparations	18.2	–	39.6	–	25.5	.1	25.0
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	21.9	.1	25.3	.1	26.7	.3	13.5
242	Manmade fibers and plastics basic shapes and articles	9.4	.3	12.1	.1	14.4	.6	10.9

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	19.0	.1	S	S	S	S	43.5
250	Logs and other wood in the rough	S	S	S	S	S	S	17.9
261	Wood chips or particles	44.1	–	S	S	41.1	.3	37.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	12.7	.1	13.4	.2	20.7	.6	15.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	21.5	–	19.3	.1	21.8	.2	S
264	Builders' joinery and carpentry of wood, except shingles and shakes	26.0	–	18.0	–	28.9	–	19.4
269	Other wood products	16.6	–	30.7	.1	30.6	.3	16.0
271	Pulp of fibrous cellulosic materials	S	S	45.0	.3	S	S	20.0
272	Newsprint in large rolls or sheets	33.9	–	41.4	–	S	S	23.5
273	Uncoated paper and paperboard in large rolls or sheets	14.8	.2	14.2	.2	20.0	.8	20.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	11.6	.2	13.5	.2	13.3	1.1	18.2
280	Paper or paperboard articles	10.9	.3	9.5	.1	31.0	.5	15.3
291	Printed books, brochures, leaflets, and similar printed products	18.5	.3	14.1	–	16.5	–	9.1
292	Newspapers, journals, and periodicals	14.3	.2	17.1	.2	20.1	–	S
293	Advertising material, commercial or trade catalogues, and similar printed products	25.2	.1	20.3	–	22.4	–	10.5
299	Other printed products	17.1	.1	20.9	–	23.5	–	27.7
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	14.4	.1	14.9	–	24.6	.1	10.3
302	Textile clothing and accessories, and headgear, except safety	12.9	.3	17.3	–	14.4	–	4.5
303	Textiles and textile articles, n.e.c.	8.7	.1	13.0	–	15.6	.2	6.0
304	Footwear	19.3	.2	20.7	–	22.7	–	4.9
305	Leather and articles, luggage of related materials, and dressed furskins and articles	13.5	–	16.7	–	19.0	–	22.1
311	Hydraulic cements	S	S	S	S	S	S	21.8
312	Ceramic products	23.3	–	35.1	.1	22.3	–	16.4
313	Glass and glass products	18.4	–	31.1	–	35.9	.2	14.7
319	Other nonmetallic mineral products	14.4	–	18.2	1.5	35.2	1.2	30.5
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	21.3	–	36.5	–	34.4	.3	17.2
322	Flat-rolled products of iron or steel	12.7	–	S	S	S	S	16.1
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	25.0	.2	26.0	.2	41.0	.9	22.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	20.2	.3	31.4	.3	43.2	1.8	15.0
331	Pipes, tubes, and fittings	22.2	–	24.6	–	S	S	18.7
332	Structures and parts, except prefabricated buildings	25.6	–	34.9	–	31.6	.1	19.3
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	17.2	.3	27.6	–	19.4	.1	22.1
339	Other articles of metal	16.5	.2	34.5	.1	S	S	14.9
341	Internal-combustion piston engines	21.2	–	22.8	–	27.9	–	46.9
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	26.7	.6	20.5	–	45.5	–	14.8
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	23.9	.1	26.2	–	47.7	.1	18.6
344	Air-conditioning, refrigerating, or freezing equipment	37.7	–	36.5	–	S	S	21.9
345	Materials-handling, excavating, boring, and related machinery and equipment	20.8	–	23.7	–	26.4	–	S
349	Other machinery	10.3	.3	12.0	–	17.4	.2	13.5
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	22.7	.1	29.6	–	39.3	–	22.5
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	40.1	–	22.6	–	43.0	–	22.7
353	Line telephone or telegraph apparatus	37.8	.8	29.4	–	30.8	–	12.1
354	Electronic entertainment products, except parts	30.3	.2	37.3	–	41.9	–	14.2
355	Computer and office equipment	17.5	.9	19.0	–	22.9	–	8.4
356	Prepared unrecorded or prerecorded media	42.7	.4	44.8	–	S	S	9.3
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	26.7	.2	45.5	–	28.8	–	12.7
358	Electronic components and parts	19.1	1.0	35.1	–	27.5	–	7.4
359	Other electronic and electrical equipment	14.6	.7	13.3	–	14.8	.3	14.0
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	39.5	–	45.1	–	S	S	25.8
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	41.8	–	S	S	39.4	–	S
363	Other vehicles	23.8	–	30.0	–	38.0	–	33.9
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	19.4	.5	29.3	.1	19.1	.1	43.2
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	S	S	S	S	S	S	38.3
372	Aircraft and spacecraft	28.1	.4	28.8	–	29.7	–	19.7
373	Ships, boats, and floating structures	2.9	–	8.2	–	25.0	–	16.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	38.3	.2	27.2	–	29.5	–	6.4
382	Photographic and photocopying machines	41.0	.1	46.9	–	19.8	–	19.0
383	Surveying, hydrographic, oceanographic, hydrological, geophysical, drawing, or length-measuring instruments and appliances, and navigational and meteorological instruments and appliances, except radar and other radio-type apparatus	37.3	.1	48.6	–	46.8	–	16.1
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	18.4	.4	19.7	–	25.4	–	16.4

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	15.4	.3	16.7	–	23.1	–	7.0
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	15.9	.2	11.9	–	15.6	–	12.9
401	Arms and ammunition	15.8	–	S	S	21.2	–	7.7
402	Toys, games, and sporting equipment	15.6	.2	14.8	–	18.3	.2	6.0
409	Miscellaneous manufactured products	10.8	.6	37.4	.5	S	S	5.4
411	Metallic waste and scrap	29.0	.2	24.8	.5	31.8	1.4	46.1
412	Nonmetallic waste and scrap, except from food processing	S	S	S	S	S	S	10.7
439	Mixed freight	17.0	.2	25.3	.2	24.0	–	S
—	Commodity unknown	24.4	.1	49.8	.2	S	S	14.4

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	**3.8**	**–**	**8.4**	**–**	**8.8**	**–**	**4.3**
Single modes	**3.2**	**.9**	**8.6**	**.3**	**10.0**	**1.8**	**5.1**
Truck	3.2	1.2	8.8	1.1	8.9	3.3	6.9
For-hire truck	4.8	1.4	19.4	3.1	5.3	3.1	5.8
Private truck	4.6	1.0	10.0	3.3	21.2	3.5	8.1
Rail	13.2	.2	36.2	.8	38.1	3.3	5.8
Water	1.0	–	S	S	S	S	S
Shallow draft	43.8	–	S	S	S	S	49.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	1.0	–	S	S	S	S	S
Air (includes truck and air)	12.5	.6	35.9	–	49.6	.3	3.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	**7.4**	**.9**	**10.4**	**.1**	**21.9**	**1.2**	**3.9**
Parcel, U.S. Postal Service or courier	7.4	.9	5.8	–	8.2	.5	3.9
Truck and rail	37.1	.1	26.0	–	26.1	.4	10.7
Truck and water	26.2	–	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**9.5**	**.3**	**16.7**	**.3**	**26.8**	**1.4**	**22.1**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Truck	S	S	S	S	S	S	48.3
For-hire truck	S	S	S	S	S	S	25.4
Private truck	S	S	S	S	S	S	27.3
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**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	**–**	**–**	**–**	**–**	**–**	**–**	**–**
SCTG 02, CEREAL GRAINS							
Total	**S**	**S**	**40.4**	**–**	**46.3**	**–**	**22.4**
Single modes	**S**	**S**	**43.4**	**4.7**	**46.3**	**3.9**	**21.2**
Truck	S	S	S	S	S	S	22.2
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	22.2
Rail	49.7	8.0	49.2	5.6	49.9	5.9	20.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.1**

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 03, OTHER AGRICULTURAL PRODUCTS							
Total	**21.9**	**–**	**31.1**	**–**	**32.9**	**–**	**20.0**
Single modes	**22.5**	**2.3**	**31.1**	**2.4**	**33.0**	**1.5**	**S**
Truck	22.5	2.3	31.1	2.4	33.0	1.5	S
For-hire truck	35.0	7.8	38.9	8.9	37.1	11.4	34.1
Private truck	27.9	7.4	39.9	8.5	S	S	29.4
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	**S**	**S**	**S**	**S**	**S**	**S**	**19.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.5
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Truck	S	S	S	S	S	S	S
For-hire truck	40.4	4.8	43.3	4.4	43.3	6.2	S
Private truck	S	S	S	S	S	S	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**45.7**	**8.5**	**42.3**	**8.8**	**S**	**S**	**17.5**
Parcel, U.S. Postal Service or courier	S	S	41.5	5.6	44.9	7.2	19.9
Truck and rail	48.1	3.8	44.7	3.9	S	S	25.4
Truck and water	46.1	4.6	46.1	3.9	46.2	1.2	20.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**34.2**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**11.3**	**–**	**15.1**	**–**	**24.9**	**–**	**16.9**
Single modes	**11.4**	**1.0**	**15.4**	**1.1**	**26.3**	**3.5**	**27.7**
Truck	11.5	1.2	15.5	1.2	26.9	3.6	30.2
For-hire truck	19.6	5.7	26.0	6.2	33.5	7.0	11.4
Private truck	16.2	5.9	21.5	7.0	17.7	6.1	23.3
Rail	S	S	S	S	S	S	22.4
Water	S	S	S	S	S	S	22.2
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.8
Air (includes truck and air)	S	S	S	S	44.5	.7	19.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.2
Truck and rail	S	S	S	S	S	S	21.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42.3**	**.4**	**48.0**	**.7**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**24.3**	**–**	**28.9**	**–**	**23.3**	**–**	**23.3**
Single modes	**24.3**	**.6**	**28.8**	**.3**	**22.4**	**1.8**	**24.3**
Truck	24.3	.6	28.9	.3	22.4	1.9	24.2
For-hire truck	35.7	5.5	33.3	6.3	26.6	7.5	41.8
Private truck	29.7	5.8	38.2	6.4	33.7	7.9	23.7
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	18.5
Truck and rail	S	S	S	S	S	S	21.2
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**	**28.5**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**10.9**	**–**	**13.7**	**–**	**12.4**	**–**	**19.9**
Single modes	**11.2**	**2.6**	**14.3**	**1.8**	**13.3**	**3.5**	**12.4**
Truck	11.2	2.6	14.3	1.8	13.6	3.7	12.4
For-hire truck	13.3	3.2	15.0	3.4	16.8	4.2	7.5
Private truck	11.7	3.3	16.8	3.7	14.6	3.3	14.0
Rail	41.9	–	36.1	.1	38.1	.8	21.3
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	20.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**17.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	15.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**8.8**	**–**	**9.6**	**–**	**29.6**	**–**	**5.6**
Single modes	**8.5**	**.4**	**9.6**	**–**	**29.7**	**.6**	**5.2**
Truck	8.5	.4	9.6	–	29.7	.6	5.2
For-hire truck	36.6	3.1	43.9	5.1	45.0	12.1	27.3
Private truck	8.4	3.1	8.5	5.2	21.7	12.2	4.6
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
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	**18.3**	**–**	**26.5**	**–**	**26.4**	**–**	**49.4**
Single modes	**19.5**	**3.1**	**27.8**	**4.3**	**28.7**	**4.2**	**S**
Truck	19.5	3.1	27.9	4.3	29.0	4.5	44.6
For-hire truck	34.7	4.1	30.8	5.4	32.4	9.1	18.4
Private truck	20.2	5.6	29.3	7.3	41.2	11.3	10.2
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	20.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**20.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	20.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**27.4**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**17.9**	**–**	**23.8**	**–**	**42.7**	**–**	**20.3**
Single modes	**18.7**	**6.0**	**24.8**	**5.9**	**44.0**	**6.8**	**20.6**
Truck	18.7	6.0	24.8	5.9	44.0	6.8	20.6
For-hire truck	22.8	8.1	20.9	8.8	49.7	10.3	17.5
Private truck	45.2	5.8	S	S	33.3	5.3	31.5
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**49.2**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	49.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**26.0**	**–**	**32.5**	**–**	**23.2**	**–**	**S**
Single modes	**26.9**	**2.7**	**32.9**	**4.6**	**27.7**	**7.0**	**S**
Truck	26.9	2.7	32.9	4.7	28.9	7.7	S
For-hire truck	30.0	7.2	32.2	7.0	38.3	9.1	S
Private truck	39.0	9.0	41.9	7.9	S	S	18.5
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**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	**42.9**	**2.6**	**43.7**	**4.6**	**48.3**	**7.0**	**21.5**

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	**13.0**	**–**	**14.5**	**–**	**24.8**	**–**	**39.7**
Single modes	**13.0**	**.2**	**14.5**	**.2**	**24.9**	**.7**	**39.0**
Truck	11.6	2.9	14.9	1.7	17.4	5.6	34.7
For-hire truck	24.3	3.6	18.8	3.6	34.2	4.8	S
Private truck	15.7	5.3	19.7	4.4	21.5	7.5	23.5
Rail	S	S	S	S	S	S	23.1
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.2**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**22.1**	**–**	**35.9**	**–**	**20.9**	**–**	**43.1**
Single modes	**21.9**	**2.3**	**37.3**	**2.2**	**20.7**	**1.9**	**43.5**
Truck	22.5	6.0	39.5	5.9	23.0	6.5	41.0
For-hire truck	22.7	7.2	32.0	6.9	24.3	7.1	18.0
Private truck	42.2	5.6	S	S	38.9	5.3	18.7
Rail	34.1	6.2	44.2	6.1	34.9	6.7	19.8
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**47.1**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**S**	**S**	**47.3**	**–**	**S**	**S**	**21.5**
Single modes	**S**	**S**	**47.9**	**1.3**	**S**	**S**	**22.1**
Truck	S	S	48.0	4.9	S	S	20.6
For-hire truck	S	S	S	S	S	S	24.9
Private truck	S	S	S	S	S	S	21.8
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	28.4
Truck and rail	–	–	–	–	–	–	–
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 15, COAL							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**22.0**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.9**
Truck	S	S	S	S	S	S	21.9
For-hire truck	–	–	–	–	–	–	–
Private truck	S	S	S	S	S	S	21.9
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**11.3**	**–**	**12.0**	**–**	**21.9**	**–**	**7.6**
Single modes	**11.4**	**.3**	**12.0**	**.5**	**22.0**	**1.1**	**7.8**
Truck	11.0	4.0	11.5	4.4	17.6	5.0	7.9
For-hire truck	32.9	5.9	31.3	5.7	38.9	5.0	S
Private truck	14.3	6.4	14.9	6.4	20.3	6.5	9.3
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.3**
SCTG 18, FUEL OILS							
Total	**16.9**	**–**	**21.9**	**–**	**43.3**	**–**	**20.3**
Single modes	**16.9**	**–**	**21.9**	**–**	**43.3**	**–**	**20.3**
Truck	16.8	3.2	22.1	3.5	47.7	4.5	20.3
For-hire truck	33.3	5.5	37.8	5.5	34.0	6.9	30.1
Private truck	19.6	6.0	25.2	6.1	S	S	19.7
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	S	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**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**15.1**	**–**	**16.9**	**–**	**17.9**	**–**	**36.5**
Single modes	**14.9**	**.7**	**17.0**	**.5**	**18.0**	**.3**	**15.7**
Truck	14.9	.7	17.0	.5	18.1	.3	15.7
For-hire truck	32.1	4.5	34.5	7.3	30.3	4.9	S
Private truck	15.4	4.5	14.5	7.2	17.5	4.9	16.0
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**43.1**	**.1**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
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**
SCTG 20, BASIC CHEMICALS							
Total	**12.2**	**–**	**17.7**	**–**	**26.3**	**–**	**42.5**
Single modes	**12.0**	**2.7**	**18.0**	**1.4**	**27.1**	**1.8**	**S**
Truck	12.0	3.8	17.9	3.9	25.2	5.8	S
For-hire truck	16.6	6.3	23.4	6.8	30.4	7.0	10.9
Private truck	22.2	4.8	28.9	7.1	28.8	4.8	43.7
Rail	45.7	1.3	39.2	3.8	48.8	5.5	19.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	17.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**32.8**	**1.4**	**41.2**	**.2**	**S**	**S**	**10.7**
Parcel, U.S. Postal Service or courier	31.1	1.1	24.4	–	41.7	.1	10.6
Truck and rail	S	S	S	S	S	S	39.9
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**29.0**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**30.2**	**–**	**30.8**	**–**	**23.9**	**–**	**19.1**
Single modes	**31.3**	**5.5**	**33.4**	**5.6**	**26.8**	**6.1**	**26.7**
Truck	35.9	6.4	34.5	5.8	31.9	7.2	12.0
For-hire truck	45.8	5.5	48.1	7.0	34.5	6.2	S
Private truck	17.4	5.8	21.0	7.9	36.3	5.2	14.1
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	32.2	1.3	31.5	4.8	10.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**41.9**	**5.2**	**33.9**	**4.9**	**28.0**	**4.5**	**21.7**
Parcel, U.S. Postal Service or courier	41.9	5.2	33.9	4.9	28.0	4.5	21.7
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**29.2**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 22, FERTILIZERS							
Total	**S**	**S**	**S**	**S**	**S**	**S**	**21.4**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**26.4**
Truck	S	S	S	S	S	S	26.4
For-hire truck	S	S	44.7	4.8	S	S	21.3
Private truck	S	S	S	S	S	S	26.0
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.3**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**13.1**	**–**	**17.2**	**–**	**26.6**	**–**	**21.7**
Single modes	**13.7**	**2.1**	**17.6**	**.8**	**26.9**	**1.0**	**18.6**
Truck	12.9	2.2	16.8	1.4	20.1	4.7	18.7
For-hire truck	13.7	4.1	18.9	4.3	21.6	5.0	10.3
Private truck	17.4	4.4	29.0	4.4	36.5	4.3	22.9
Rail	47.1	1.2	47.5	1.6	S	S	20.0
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	47.9	.4	S	S	19.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.5**	**1.9**	**23.3**	**.5**	**16.3**	**1.0**	**22.4**
Parcel, U.S. Postal Service or courier	20.9	2.0	25.3	.5	17.8	1.0	22.4
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	**30.7**	**.5**	**32.6**	**.4**	**33.2**	**.3**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**7.0**	**–**	**42.6**	**–**	**33.2**	**–**	**11.3**
Single modes	**7.7**	**1.8**	**43.3**	**2.1**	**35.3**	**3.1**	**10.9**
Truck	7.8	1.9	43.7	2.7	35.9	3.4	10.3
For-hire truck	7.1	3.1	12.8	10.2	17.2	8.2	11.7
Private truck	17.0	3.4	48.7	12.0	S	S	17.6
Rail	S	S	S	S	S	S	25.0
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)	27.1	.4	33.6	–	24.5	.2	8.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**12.7**	**1.8**	**34.8**	**1.5**	**27.9**	**2.5**	**11.9**
Parcel, U.S. Postal Service or courier	13.0	1.7	42.2	1.2	32.5	1.4	11.9
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**22.4**	**.8**	**40.4**	**1.1**	**35.0**	**1.2**	**41.0**

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	**S**	**S**	**S**	**S**	**S**	**S**	**17.9**
Single modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.0**
Truck	S	S	S	S	S	S	18.0
For-hire truck	S	S	S	S	S	S	S
Private truck	40.8	10.5	S	S	S	S	17.6
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 26, WOOD PRODUCTS							
Total	**9.1**	**–**	**35.3**	**–**	**19.4**	**–**	**11.0**
Single modes	**9.3**	**.9**	**35.5**	**.4**	**18.9**	**.8**	**13.7**
Truck	9.2	.9	36.4	1.2	20.9	3.7	13.3
For-hire truck	16.0	3.6	S	S	22.6	4.7	31.3
Private truck	12.0	3.4	38.3	5.7	28.3	3.5	12.6
Rail	20.5	.6	15.4	1.0	22.1	3.5	9.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	19.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.9**	**.5**	**32.2**	**.1**	**40.2**	**.7**	**17.7**
Parcel, U.S. Postal Service or courier	33.1	.4	40.4	–	42.2	.1	13.4
Truck and rail	47.9	.1	44.4	–	43.5	.7	17.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.7**	**.7**	**28.1**	**.3**	**38.3**	**.3**	**17.5**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**10.3**	**–**	**9.4**	**–**	**14.3**	**–**	**17.6**
Single modes	**10.3**	**.4**	**9.6**	**.5**	**14.6**	**1.2**	**18.9**
Truck	11.4	2.7	9.5	3.2	12.3	4.8	19.6
For-hire truck	14.2	3.5	13.1	3.7	13.1	4.5	9.0
Private truck	11.7	3.1	16.7	4.0	23.3	1.2	18.1
Rail	15.7	2.6	21.4	3.3	27.8	4.8	7.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	24.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**26.3**	**.4**	**39.0**	**.3**	**S**	**S**	**22.6**
Parcel, U.S. Postal Service or courier	29.7	.2	33.3	–	49.3	–	21.9
Truck and rail	47.7	.3	46.2	.3	S	S	17.6
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.1**	**.3**	**35.9**	**.4**	**S**	**S**	**39.6**

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	**10.9**	**–**	**9.5**	**–**	**31.0**	**–**	**15.3**
Single modes	**11.3**	**1.5**	**9.5**	**1.2**	**33.1**	**2.1**	**29.0**
Truck	10.7	1.8	8.8	1.8	18.9	4.2	33.4
For-hire truck	13.4	4.7	14.4	5.6	21.7	4.9	13.5
Private truck	17.2	4.8	17.4	6.0	17.3	4.6	15.5
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	12.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.4**	**1.4**	**32.9**	**.8**	**35.6**	**1.9**	**8.9**
Parcel, U.S. Postal Service or courier	21.7	1.4	37.2	.8	36.8	1.8	8.9
Truck and rail	S	S	S	S	S	S	19.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**37.2**	**.6**	**38.0**	**.6**	**38.4**	**.7**	**S**
SCTG 29, PRINTED PRODUCTS							
Total	**11.1**	**–**	**10.2**	**–**	**10.2**	**–**	**18.1**
Single modes	**7.9**	**4.3**	**10.7**	**1.0**	**11.0**	**2.6**	**S**
Truck	8.4	4.5	10.7	1.0	11.2	2.6	S
For-hire truck	14.3	3.4	14.4	4.9	13.3	4.0	38.3
Private truck	11.4	3.5	15.3	5.1	20.2	2.2	38.0
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	36.8	–	48.3	.6	9.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.1**	**3.9**	**17.8**	**.6**	**19.5**	**2.7**	**9.2**
Parcel, U.S. Postal Service or courier	30.2	3.9	17.8	.6	19.7	2.7	9.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**31.6**	**.8**	**S**	**S**	**S**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**7.7**	**–**	**8.1**	**–**	**11.5**	**–**	**3.5**
Single modes	**8.6**	**3.3**	**9.3**	**1.7**	**13.6**	**3.2**	**5.3**
Truck	8.7	3.3	9.4	1.7	13.7	3.2	5.9
For-hire truck	10.2	3.5	13.3	3.1	14.4	3.9	4.8
Private truck	11.0	1.4	12.2	2.5	28.5	2.2	15.2
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	22.6	.3	23.7	.1	24.3	.3	18.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**17.1**	**3.4**	**13.7**	**1.7**	**18.5**	**3.3**	**4.1**
Parcel, U.S. Postal Service or courier	17.2	3.3	16.4	1.8	15.2	2.8	4.1
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	48.2	–	47.9	1.0	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**21.1**	**.5**	**22.1**	**.5**	**S**	**S**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	**11.3**	**–**	**17.4**	**–**	**28.7**	**–**	**11.0**
Single modes	**11.1**	**3.5**	**18.3**	**3.3**	**34.4**	**6.3**	**21.8**
Truck	11.4	3.6	17.8	3.3	22.1	7.2	23.5
For-hire truck	15.3	3.3	40.2	3.6	37.4	4.2	22.8
Private truck	15.7	3.9	20.6	4.9	19.0	6.6	14.9
Rail	S	S	S	S	S	S	36.6
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	42.8	–	S	S	24.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**27.1**	**2.8**	**30.2**	**–**	**33.2**	**.8**	**7.6**
Parcel, U.S. Postal Service or courier	28.8	2.7	27.2	–	25.4	.5	7.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**48.6**	**3.3**	**S**	**S**	**18.8**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**11.9**	**–**	**30.2**	**–**	**45.9**	**–**	**10.2**
Single modes	**13.1**	**2.0**	**33.0**	**3.1**	**S**	**S**	**11.4**
Truck	12.2	2.7	13.1	6.9	29.0	10.5	12.6
For-hire truck	18.4	4.2	21.3	5.6	34.1	8.3	6.4
Private truck	13.6	4.0	15.2	6.0	38.5	4.1	8.8
Rail	S	S	S	S	S	S	20.8
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)	37.5	.6	45.3	.3	38.3	.4	13.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**25.1**	**1.8**	**39.8**	**.4**	**S**	**S**	**14.5**
Parcel, U.S. Postal Service or courier	25.7	1.8	42.6	.4	S	S	14.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**25.0**	**.7**	**28.4**	**3.0**	**33.7**	**4.8**	**36.2**
SCTG 33, ARTICLES OF BASE METAL							
Total	**12.5**	**–**	**16.9**	**–**	**29.3**	**–**	**13.7**
Single modes	**16.8**	**3.6**	**18.8**	**3.5**	**32.1**	**4.5**	**15.5**
Truck	17.0	3.7	18.9	3.5	32.9	4.7	16.8
For-hire truck	17.2	2.9	26.1	4.4	36.4	5.5	5.8
Private truck	27.1	3.1	25.2	5.1	23.9	2.9	15.9
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	19.5	.3	36.3	.2	43.2	1.9	11.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.0**	**3.5**	**15.5**	**.9**	**20.1**	**1.3**	**15.2**
Parcel, U.S. Postal Service or courier	16.0	3.5	15.6	.9	20.1	1.3	15.2
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42.4**	**2.9**	**21.5**	**3.0**	**31.3**	**4.3**	**34.0**

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 34, MACHINERY							
Total	**9.5**	**–**	**9.3**	**–**	**15.9**	**–**	**10.9**
Single modes	**9.1**	**1.9**	**10.7**	**2.7**	**18.3**	**3.7**	**15.1**
Truck	8.2	2.5	11.0	2.9	18.9	4.1	18.5
For-hire truck	9.7	3.0	15.6	4.6	20.8	4.5	9.4
Private truck	18.3	2.5	14.0	3.8	27.6	2.5	33.5
Rail	S	S	S	S	S	S	22.0
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	30.8	1.8	28.0	.8	23.2	1.6	7.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**14.5**	**1.6**	**14.4**	**1.2**	**20.7**	**1.7**	**12.8**
Parcel, U.S. Postal Service or courier	14.5	1.6	14.4	1.2	20.7	1.7	12.8
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**20.3**	**.8**	**35.1**	**2.4**	**42.5**	**2.4**	**S**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**11.5**	**–**	**10.9**	**–**	**10.9**	**–**	**8.9**
Single modes	**12.0**	**3.0**	**11.3**	**1.9**	**10.7**	**2.9**	**17.2**
Truck	11.5	2.6	11.4	2.2	11.5	3.2	22.2
For-hire truck	14.2	3.1	16.2	3.9	15.5	4.9	6.5
Private truck	19.4	1.7	12.8	4.2	33.5	5.2	17.8
Rail	S	S	S	S	S	S	22.0
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)	19.3	1.8	31.0	.9	22.0	1.3	5.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.4**	**2.6**	**12.4**	**.8**	**14.1**	**1.3**	**5.8**
Parcel, U.S. Postal Service or courier	15.5	2.7	12.5	.8	14.5	1.3	5.8
Truck and rail	S	S	S	S	S	S	22.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**19.9**	**1.1**	**36.0**	**1.7**	**S**	**S**	**23.6**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**16.3**	**–**	**23.3**	**–**	**18.2**	**–**	**44.2**
Single modes	**19.0**	**3.3**	**27.4**	**3.7**	**17.8**	**2.2**	**S**
Truck	19.1	3.3	27.5	3.7	18.0	2.2	S
For-hire truck	32.3	5.8	27.8	5.6	18.5	4.4	10.4
Private truck	15.9	5.0	46.1	6.1	30.5	4.8	S
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	28.6	.2	27.6	.2	36.9	.7	14.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**30.3**	**3.1**	**25.3**	**1.8**	**36.6**	**1.7**	**14.1**
Parcel, U.S. Postal Service or courier	30.3	3.1	25.3	1.8	36.6	1.7	14.1
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**31.2**	**2.3**	**37.5**	**3.7**	**33.4**	**1.4**	**40.4**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**16.8**	**–**	**11.3**	**–**	**16.7**	**–**	**18.2**
Single modes	**18.8**	**3.4**	**11.5**	**1.6**	**18.5**	**5.4**	**26.9**
Truck	32.5	6.0	21.4	5.6	20.0	7.4	35.6
For-hire truck	41.5	4.4	22.1	4.9	20.5	7.2	17.8
Private truck	32.2	3.0	24.8	1.6	33.5	3.1	49.3
Rail	S	S	S	S	S	S	22.4
Water	–	6.4	–	4.9	–	.1	22.9
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	6.4	–	4.9	–	.1	22.9
Air (includes truck and air)	37.4	1.4	37.4	.7	36.4	2.1	19.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**26.7**	**3.3**	**37.8**	**1.5**	**39.6**	**5.1**	**14.2**
Parcel, U.S. Postal Service or courier	26.7	3.3	37.8	1.5	39.6	5.1	14.2
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.9**	**.3**	**S**	**S**	**S**	**S**	**21.1**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**12.6**	**–**	**15.0**	**–**	**18.1**	**–**	**8.1**
Single modes	**17.4**	**3.4**	**19.0**	**4.4**	**23.6**	**5.4**	**12.3**
Truck	17.4	4.0	19.4	4.9	24.5	5.7	16.0
For-hire truck	18.3	3.2	24.8	5.8	26.2	6.7	10.6
Private truck	24.3	2.7	27.9	4.0	23.2	2.2	18.3
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	44.0	3.0	23.0	1.4	25.9	1.8	4.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**10.0**	**3.3**	**21.6**	**4.1**	**11.5**	**5.2**	**8.8**
Parcel, U.S. Postal Service or courier	10.0	3.3	21.6	4.1	11.5	5.2	8.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.1**	**.6**	**26.7**	**1.2**	**45.8**	**1.5**	**16.1**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**15.9**	**–**	**11.9**	**–**	**15.6**	**–**	**12.9**
Single modes	**16.9**	**2.9**	**13.3**	**4.4**	**14.8**	**2.0**	**15.9**
Truck	17.4	3.5	13.5	4.4	14.9	2.0	16.4
For-hire truck	17.8	5.8	15.0	5.1	16.1	3.3	11.1
Private truck	28.2	6.0	16.5	4.6	23.6	2.9	17.8
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	23.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.2**	**1.6**	**42.6**	**4.1**	**33.7**	**1.9**	**11.9**
Parcel, U.S. Postal Service or courier	26.0	1.2	25.6	.7	32.9	1.6	11.4
Truck and rail	S	S	S	S	S	S	21.2
Truck and water	S	S	S	S	S	S	S
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**38.1**	**1.8**	**37.2**	**1.0**	**44.9**	**.7**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**8.7**	**–**	**34.6**	**–**	**S**	**S**	**5.1**
Single modes	**11.5**	**3.1**	**36.8**	**2.9**	**S**	**S**	**12.1**
Truck	10.9	2.6	38.1	3.4	S	S	14.7
For-hire truck	15.2	3.2	16.1	6.8	32.0	6.4	5.5
Private truck	17.8	2.6	S	S	S	S	28.4
Rail	S	S	S	S	S	S	24.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	34.6	1.5	48.6	.2	43.4	.4	8.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**11.3**	**2.9**	**11.9**	**2.4**	**17.2**	**4.2**	**4.8**
Parcel, U.S. Postal Service or courier	9.9	2.9	10.9	2.3	14.5	3.8	4.8
Truck and rail	S	S	S	S	S	S	20.8
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**20.9**	**.8**	**21.2**	**1.0**	**33.1**	**2.3**	**25.4**
SCTG 41, WASTE AND SCRAP							
Total	**26.0**	**–**	**36.9**	**–**	**29.0**	**–**	**25.1**
Single modes	**27.3**	**3.9**	**38.7**	**3.1**	**31.3**	**6.3**	**25.3**
Truck	27.9	4.1	41.1	3.4	36.3	7.2	25.5
For-hire truck	30.6	7.5	23.7	9.0	28.1	9.4	15.3
Private truck	36.2	6.8	S	S	S	S	15.2
Rail	38.0	1.5	39.8	1.4	37.5	4.0	21.9
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**43.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.3
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**	**30.3**
SCTG 43, MIXED FREIGHT							
Total	**17.0**	**–**	**25.3**	**–**	**24.0**	**–**	**S**
Single modes	**17.8**	**2.5**	**25.8**	**2.9**	**24.5**	**2.8**	**S**
Truck	17.8	2.9	25.8	3.0	24.6	3.0	S
For-hire truck	44.5	3.4	S	S	49.1	5.1	19.9
Private truck	18.4	5.6	26.3	6.0	26.2	6.6	25.4
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	43.2	.6	40.6	.3	42.5	.5	19.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**42.1**	**2.2**	**36.3**	**.9**	**26.5**	**1.1**	**S**
Parcel, U.S. Postal Service or courier	41.5	2.2	32.9	.9	28.3	1.1	S
Truck and rail	–	–	–	–	–	–	–
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**44.7**	**1.1**	**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	**24.4**	**–**	**49.8**	**–**	**S**	**S**	**14.4**
Single modes	**31.0**	**7.2**	**35.6**	**6.3**	**36.0**	**11.1**	**S**
Truck	31.1	7.1	36.4	6.7	38.9	11.1	S
For-hire truck	34.3	7.2	43.5	9.3	S	S	15.3
Private truck	S	S	43.7	8.2	41.5	8.1	S
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	48.4	.2	44.2	.4	19.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**40.9**	**7.2**	**37.6**	**5.4**	**40.1**	**6.9**	**11.5**
Parcel, U.S. Postal Service or courier	42.6	7.3	39.2	5.4	41.6	6.9	11.5
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.6**

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	**3.8**	**8.4**	**8.8**
Less than 50 miles	4.7	10.6	8.9
50 to 99 miles	5.4	16.8	16.7
100 to 249 miles	6.3	19.4	20.5
250 to 499 miles	6.9	26.2	32.5
500 to 749 miles	5.2	7.5	7.9
750 to 999 miles	4.5	34.4	33.4
1,000 to 1,499 miles	5.8	6.4	6.7
1,500 to 1,999 miles	11.1	36.2	40.1
2,000 miles or more	10.0	11.0	11.4
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**S**	**40.4**	**46.3**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	–	–	–
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 03, Other agricultural products	**21.9**	**31.1**	**32.9**
Less than 50 miles	29.7	31.6	40.5
50 to 99 miles	23.6	S	S
100 to 249 miles	27.1	37.4	38.8
250 to 499 miles	S	S	S
500 to 749 miles	45.0	44.5	44.7
750 to 999 miles	S	S	49.6
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	49.7	S	S
2,000 miles or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	33.6	33.4	30.1
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	47.0	46.8
2,000 miles or more	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**11.3**	**15.1**	**24.9**
Less than 50 miles	17.3	22.2	25.7
50 to 99 miles	18.2	21.3	21.4
100 to 249 miles	15.0	21.2	25.1
250 to 499 miles	27.9	39.8	38.6
500 to 749 miles	26.7	30.1	30.2
750 to 999 miles	33.2	27.0	27.2
1,000 to 1,499 miles	32.9	40.6	40.6
1,500 to 1,999 miles	22.5	23.8	24.2
2,000 miles or more	27.9	43.0	42.2
SCTG 06, Milled grain products and preparations, and bakery products	**24.3**	**28.9**	**23.3**
Less than 50 miles	28.9	38.8	40.0
50 to 99 miles	31.8	34.2	35.3
100 to 249 miles	28.4	29.0	28.5
250 to 499 miles	26.8	37.3	37.2
500 to 749 miles	29.7	43.4	44.6
750 to 999 miles	27.4	23.8	23.1
1,000 to 1,499 miles	32.8	33.6	34.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	41.5	39.1	39.4
SCTG 07, Other prepared foodstuffs and fats and oils	**10.9**	**13.7**	**12.4**
Less than 50 miles	18.3	24.1	29.5
50 to 99 miles	14.1	12.2	12.4
100 to 249 miles	12.5	17.6	19.0
250 to 499 miles	17.4	20.2	21.4
500 to 749 miles	21.6	32.1	33.0
750 to 999 miles	23.7	21.8	21.5
1,000 to 1,499 miles	25.2	20.6	20.3
1,500 to 1,999 miles	S	49.9	41.4
2,000 miles or more	30.3	32.0	31.6

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**8.8**	**9.6**	**29.6**
Less than 50 miles	8.1	8.2	9.5
50 to 99 miles	24.0	35.8	37.0
100 to 249 miles	38.5	44.0	44.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 09, Tobacco products	**18.3**	**26.5**	**26.4**
Less than 50 miles	17.2	21.2	25.0
50 to 99 miles	32.2	39.1	40.3
100 to 249 miles	S	48.3	48.6
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	38.7	49.0	48.8
1,500 to 1,999 miles	48.1	S	S
2,000 miles or more	34.7	35.8	35.7
SCTG 10, Monumental or building stone	**17.9**	**23.8**	**42.7**
Less than 50 miles	31.6	39.6	32.6
50 to 99 miles	32.2	27.0	28.8
100 to 249 miles	32.7	30.6	29.2
250 to 499 miles	36.0	38.7	40.6
500 to 749 miles	49.1	S	S
750 to 999 miles	43.1	42.8	43.1
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 11, Natural sands	**26.0**	**32.5**	**23.2**
Less than 50 miles	31.4	33.7	30.8
50 to 99 miles	37.7	S	S
100 to 249 miles	39.6	43.2	43.1
250 to 499 miles	42.9	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	48.3	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 12, Gravel and crushed stone	**13.0**	**14.5**	**24.8**
Less than 50 miles	12.5	15.3	17.3
50 to 99 miles	38.4	S	S
100 to 249 miles	S	46.4	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**22.1**	**35.9**	**20.9**
Less than 50 miles	27.7	S	34.2
50 to 99 miles	31.1	30.9	28.5
100 to 249 miles	31.4	31.6	30.9
250 to 499 miles	25.7	30.2	28.6
500 to 749 miles	38.3	25.7	24.6
750 to 999 miles	46.5	28.6	28.8
1,000 to 1,499 miles	38.4	32.4	33.1
1,500 to 1,999 miles	46.2	45.0	44.8
2,000 miles or more	S	S	S
SCTG 14, Metallic ores and concentrates	**S**	**47.3**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 15, Coal	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	–	–	–
100 to 249 miles	–	–	–
250 to 499 miles	–	–	–
500 to 749 miles	–	–	–
750 to 999 miles	–	–	–
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**11.3**	**12.0**	**21.9**
Less than 50 miles	12.0	12.9	15.6
50 to 99 miles	47.5	48.5	48.3
100 to 249 miles	37.7	31.3	30.7
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	–	–	–
SCTG 18, Fuel oils	**16.9**	**21.9**	**43.3**
Less than 50 miles	11.5	15.0	28.7
50 to 99 miles	44.7	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**15.1**	**16.9**	**17.9**
Less than 50 miles	16.9	17.3	18.7
50 to 99 miles	30.5	31.4	30.5
100 to 249 miles	38.7	44.8	48.5
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	49.8	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 20, Basic chemicals	**12.2**	**17.7**	**26.3**
Less than 50 miles	17.8	18.7	22.3
50 to 99 miles	21.8	27.2	26.5
100 to 249 miles	28.2	26.9	28.6
250 to 499 miles	27.4	34.8	35.7
500 to 749 miles	19.6	26.2	27.4
750 to 999 miles	23.7	42.3	42.6
1,000 to 1,499 miles	40.9	S	S
1,500 to 1,999 miles	32.2	36.2	36.1
2,000 miles or more	30.6	34.3	33.5
SCTG 21, Pharmaceutical products	**30.2**	**30.8**	**23.9**
Less than 50 miles	20.2	21.2	21.1
50 to 99 miles	47.0	S	S
100 to 249 miles	S	S	47.1
250 to 499 miles	36.8	40.1	39.7
500 to 749 miles	36.8	42.7	40.6
750 to 999 miles	33.8	26.1	25.6
1,000 to 1,499 miles	S	47.2	44.9
1,500 to 1,999 miles	S	28.6	28.1
2,000 miles or more	S	22.1	22.2
SCTG 22, Fertilizers	**S**	**S**	**S**
Less than 50 miles	S	S	S
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**13.1**	**17.2**	**26.6**
Less than 50 miles	18.0	20.8	24.9
50 to 99 miles	21.2	25.0	22.8
100 to 249 miles	14.5	31.2	29.0
250 to 499 miles	20.1	23.3	23.8
500 to 749 miles	22.3	36.3	37.8
750 to 999 miles	22.4	29.9	30.8
1,000 to 1,499 miles	20.7	30.8	30.4
1,500 to 1,999 miles	23.9	33.2	31.7
2,000 miles or more	31.0	39.1	39.5
SCTG 24, Plastics and rubber	**7.0**	**42.6**	**33.2**
Less than 50 miles	16.9	S	S
50 to 99 miles	15.1	47.5	46.4
100 to 249 miles	8.3	S	S
250 to 499 miles	13.4	15.5	15.5
500 to 749 miles	10.2	14.0	14.3
750 to 999 miles	8.6	15.9	15.6
1,000 to 1,499 miles	10.6	10.5	11.0
1,500 to 1,999 miles	18.6	17.2	16.9
2,000 miles or more	13.5	26.4	26.1

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**
Less than 50 miles	S	S	41.2
50 to 99 miles	S	S	S
100 to 249 miles	S	S	S
250 to 499 miles	S	S	S
500 to 749 miles	–	–	–
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	–	–	–
2,000 miles or more	–	–	–
SCTG 26, Wood products	**9.1**	**35.3**	**19.4**
Less than 50 miles	12.0	48.7	43.1
50 to 99 miles	12.4	14.8	16.0
100 to 249 miles	10.4	13.5	13.7
250 to 499 miles	13.9	16.6	15.8
500 to 749 miles	14.5	21.1	21.4
750 to 999 miles	23.5	30.6	29.2
1,000 to 1,499 miles	18.3	21.4	21.8
1,500 to 1,999 miles	34.5	49.4	49.9
2,000 miles or more	28.2	29.5	29.9
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.3**	**9.4**	**14.3**
Less than 50 miles	10.4	18.2	19.9
50 to 99 miles	21.5	18.3	18.1
100 to 249 miles	17.8	17.9	15.7
250 to 499 miles	19.9	17.0	16.6
500 to 749 miles	12.9	15.1	14.4
750 to 999 miles	14.9	14.9	14.0
1,000 to 1,499 miles	11.2	12.5	13.0
1,500 to 1,999 miles	27.1	32.6	32.8
2,000 miles or more	26.4	39.4	43.4
SCTG 28, Paper or paperboard articles	**10.9**	**9.5**	**31.0**
Less than 50 miles	13.3	16.3	14.3
50 to 99 miles	25.2	16.2	17.1
100 to 249 miles	14.9	12.9	15.3
250 to 499 miles	18.3	22.6	23.1
500 to 749 miles	19.9	18.3	18.5
750 to 999 miles	17.6	20.2	19.8
1,000 to 1,499 miles	23.2	33.9	35.3
1,500 to 1,999 miles	20.4	27.7	28.8
2,000 miles or more	S	S	S
SCTG 29, Printed products	**11.1**	**10.2**	**10.2**
Less than 50 miles	10.0	14.0	12.9
50 to 99 miles	15.0	25.1	20.8
100 to 249 miles	24.4	16.3	17.4
250 to 499 miles	23.2	14.2	12.6
500 to 749 miles	19.9	18.9	18.4
750 to 999 miles	15.0	15.4	15.4
1,000 to 1,499 miles	14.5	14.1	13.8
1,500 to 1,999 miles	22.6	29.8	28.6
2,000 miles or more	33.6	15.6	15.7
SCTG 30, Textiles, leather, and articles of textiles or leather	**7.7**	**8.1**	**11.5**
Less than 50 miles	10.0	10.4	9.2
50 to 99 miles	22.6	24.8	20.7
100 to 249 miles	11.8	17.5	18.9
250 to 499 miles	21.0	14.7	14.9
500 to 749 miles	11.9	10.6	10.5
750 to 999 miles	15.3	21.7	21.9
1,000 to 1,499 miles	9.9	15.8	15.6
1,500 to 1,999 miles	14.4	21.5	21.5
2,000 miles or more	10.9	14.5	16.5
SCTG 31, Nonmetallic mineral products	**11.3**	**17.4**	**28.7**
Less than 50 miles	15.3	21.2	18.0
50 to 99 miles	24.7	34.8	33.7
100 to 249 miles	24.7	S	S
250 to 499 miles	19.7	27.1	27.3
500 to 749 miles	28.3	S	S
750 to 999 miles	20.9	39.7	39.7
1,000 to 1,499 miles	25.0	S	S
1,500 to 1,999 miles	30.4	38.5	39.1
2,000 miles or more	25.8	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.9**	**30.2**	**45.9**
Less than 50 miles	11.7	16.8	13.7
50 to 99 miles	12.0	15.9	16.4
100 to 249 miles	9.5	19.8	20.9
250 to 499 miles	24.3	27.7	28.6
500 to 749 miles	33.7	29.4	29.3
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	23.0	25.1	28.5
1,500 to 1,999 miles	29.3	S	S
2,000 miles or more	37.5	44.2	43.9

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	**12.5**	**16.9**	**29.3**
Less than 50 miles	16.4	18.4	21.2
50 to 99 miles	18.0	28.7	26.1
100 to 249 miles	16.6	19.8	19.7
250 to 499 miles	16.7	22.3	23.0
500 to 749 miles	18.1	35.6	34.7
750 to 999 miles	19.3	17.6	17.4
1,000 to 1,499 miles	21.9	21.9	20.8
1,500 to 1,999 miles	21.3	29.6	29.0
2,000 miles or more	13.9	S	S
SCTG 34, Machinery	**9.5**	**9.3**	**15.9**
Less than 50 miles	13.3	17.0	21.2
50 to 99 miles	16.8	12.7	12.5
100 to 249 miles	15.8	17.5	18.0
250 to 499 miles	26.7	25.6	25.9
500 to 749 miles	18.0	36.8	33.8
750 to 999 miles	18.5	23.1	23.9
1,000 to 1,499 miles	25.2	20.4	21.8
1,500 to 1,999 miles	16.1	30.6	30.4
2,000 miles or more	29.0	34.7	36.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.5**	**10.9**	**10.9**
Less than 50 miles	14.7	18.0	18.0
50 to 99 miles	24.3	19.2	18.1
100 to 249 miles	15.6	16.5	16.1
250 to 499 miles	15.9	22.2	19.1
500 to 749 miles	18.9	16.3	16.9
750 to 999 miles	14.3	13.5	13.4
1,000 to 1,499 miles	19.5	16.6	16.7
1,500 to 1,999 miles	22.6	27.2	26.7
2,000 miles or more	14.0	11.8	11.8
SCTG 36, Motorized and other vehicles (including parts)	**16.3**	**23.3**	**18.2**
Less than 50 miles	15.2	41.7	43.9
50 to 99 miles	S	49.5	48.0
100 to 249 miles	19.8	21.3	23.0
250 to 499 miles	24.2	30.5	28.3
500 to 749 miles	19.2	17.1	17.6
750 to 999 miles	36.6	33.7	33.3
1,000 to 1,499 miles	36.5	33.0	33.0
1,500 to 1,999 miles	24.2	30.0	29.7
2,000 miles or more	35.2	37.3	37.5
SCTG 37, Transportation equipment, n.e.c.	**16.8**	**11.3**	**16.7**
Less than 50 miles	14.6	8.3	40.3
50 to 99 miles	31.5	S	S
100 to 249 miles	26.4	31.7	36.6
250 to 499 miles	24.9	45.1	47.3
500 to 749 miles	41.9	41.6	42.5
750 to 999 miles	21.3	43.5	44.7
1,000 to 1,499 miles	32.1	22.4	22.2
1,500 to 1,999 miles	36.8	S	S
2,000 miles or more	37.9	31.1	30.6
SCTG 38, Precision instruments and apparatus	**12.6**	**15.0**	**18.1**
Less than 50 miles	17.2	27.0	27.5
50 to 99 miles	29.1	24.2	25.2
100 to 249 miles	16.5	17.3	17.4
250 to 499 miles	21.4	18.9	18.8
500 to 749 miles	18.2	38.7	38.4
750 to 999 miles	14.9	16.2	15.9
1,000 to 1,499 miles	17.0	15.7	15.8
1,500 to 1,999 miles	27.0	48.2	48.3
2,000 miles or more	28.5	18.7	18.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**15.9**	**11.9**	**15.6**
Less than 50 miles	31.8	20.6	23.5
50 to 99 miles	25.3	20.7	20.5
100 to 249 miles	20.2	19.9	20.6
250 to 499 miles	18.6	18.9	19.1
500 to 749 miles	26.3	28.4	29.2
750 to 999 miles	31.9	24.0	24.7
1,000 to 1,499 miles	26.6	21.1	20.9
1,500 to 1,999 miles	35.8	30.9	31.0
2,000 miles or more	21.7	24.9	29.2
SCTG 40, Miscellaneous manufactured products	**8.7**	**34.6**	**S**
Less than 50 miles	16.6	S	S
50 to 99 miles	16.2	42.8	41.2
100 to 249 miles	9.8	37.6	31.6
250 to 499 miles	21.9	38.8	34.9
500 to 749 miles	11.2	18.4	18.4
750 to 999 miles	11.7	17.2	17.8
1,000 to 1,499 miles	7.3	15.1	16.2
1,500 to 1,999 miles	16.4	S	S
2,000 miles or more	14.6	39.6	36.6

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	**26.0**	**36.9**	**29.0**
Less than 50 miles	28.4	43.3	47.1
50 to 99 miles	38.8	35.6	40.1
100 to 249 miles	38.2	S	S
250 to 499 miles	24.0	23.8	24.1
500 to 749 miles	S	S	S
750 to 999 miles	47.2	41.8	S
1,000 to 1,499 miles	49.0	40.8	41.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 43, Mixed freight	**17.0**	**25.3**	**24.0**
Less than 50 miles	19.5	28.9	34.2
50 to 99 miles	24.8	35.5	36.9
100 to 249 miles	19.1	23.7	22.8
250 to 499 miles	40.3	38.3	38.9
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	44.3	S	S
Commodity unknown	**24.4**	**49.8**	**S**
Less than 50 miles	46.8	48.4	S
50 to 99 miles	42.8	47.7	42.4
100 to 249 miles	37.1	S	S
250 to 499 miles	27.3	48.7	48.2
500 to 749 miles	35.1	S	S
750 to 999 miles	35.6	S	S
1,000 to 1,499 miles	42.5	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	47.1	S	S

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

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

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	**3.8**	**8.4**	**8.8**
Less than 50 lb	7.5	6.8	5.5
50 to 99 lb	7.9	6.3	7.2
100 to 499 lb	6.7	4.2	4.7
500 to 749 lb	8.2	5.8	4.5
750 to 999 lb	8.8	5.4	21.2
1,000 to 9,999 lb	4.2	4.2	7.3
10,000 to 49,999 lb	4.5	10.8	6.8
50,000 to 99,999 lb	10.7	15.8	28.4
100,000 lb or more	16.3	19.8	21.5
SCTG 01, Live animals and live fish	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	–	–	–
750 to 999 lb	–	–	–
1,000 to 9,999 lb	S	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 02, Cereal grains	**S**	**40.4**	**46.3**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	–	–	–
750 to 999 lb	S	S	S
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	49.7	49.2	49.9
SCTG 03, Other agricultural products	**21.9**	**31.1**	**32.9**
Less than 50 lb	37.9	33.5	S
50 to 99 lb	44.5	41.7	35.1
100 to 499 lb	34.2	37.1	28.0
500 to 749 lb	38.2	43.1	37.5
750 to 999 lb	35.0	36.0	32.2
1,000 to 9,999 lb	30.2	31.0	23.9
10,000 to 49,999 lb	38.8	S	S
50,000 to 99,999 lb	43.3	S	S
100,000 lb or more	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**
Less than 50 lb	S	38.3	40.9
50 to 99 lb	34.8	36.1	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	S
50,000 to 99,999 lb	40.2	27.3	S
100,000 lb or more	46.1	42.4	S
SCTG 05, Meat, fish, seafood, and their preparations	**11.3**	**15.1**	**24.9**
Less than 50 lb	41.4	39.8	S
50 to 99 lb	36.5	30.1	33.3
100 to 499 lb	20.8	24.7	29.2
500 to 749 lb	18.8	24.9	27.6
750 to 999 lb	18.8	26.2	22.8
1,000 to 9,999 lb	17.1	18.8	37.6
10,000 to 49,999 lb	20.8	25.0	26.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**24.3**	**28.9**	**23.3**
Less than 50 lb	S	39.6	S
50 to 99 lb	39.1	46.4	48.2
100 to 499 lb	38.4	37.0	38.7
500 to 749 lb	42.6	35.9	30.5
750 to 999 lb	37.7	42.3	46.0
1,000 to 9,999 lb	27.2	29.2	33.3
10,000 to 49,999 lb	29.7	33.8	22.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	41.1	S
SCTG 07, Other prepared foodstuffs and fats and oils	**10.9**	**13.7**	**12.4**
Less than 50 lb	45.4	38.0	36.2
50 to 99 lb	43.2	30.4	43.8
100 to 499 lb	22.8	24.2	39.2
500 to 749 lb	23.2	24.3	37.5
750 to 999 lb	24.7	22.8	31.9
1,000 to 9,999 lb	23.0	22.9	25.4
10,000 to 49,999 lb	9.9	15.4	14.1
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–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	**8.8**	**9.6**	**29.6**
Less than 50 lb	S	33.3	40.9
50 to 99 lb	21.0	14.6	15.6
100 to 499 lb	17.3	13.0	16.1
500 to 749 lb	11.4	10.7	11.6
750 to 999 lb	16.8	16.0	16.6
1,000 to 9,999 lb	11.2	12.3	14.4
10,000 to 49,999 lb	31.4	35.4	39.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 09, Tobacco products	**18.3**	**26.5**	**26.4**
Less than 50 lb	30.2	29.1	39.9
50 to 99 lb	34.5	35.0	38.5
100 to 499 lb	25.5	21.7	26.9
500 to 749 lb	27.7	21.8	27.1
750 to 999 lb	26.7	28.1	S
1,000 to 9,999 lb	24.1	34.4	41.5
10,000 to 49,999 lb	42.4	S	37.1
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**17.9**	**23.8**	**42.7**
Less than 50 lb	47.0	S	S
50 to 99 lb	35.4	S	S
100 to 499 lb	27.0	28.8	34.2
500 to 749 lb	30.0	34.8	41.8
750 to 999 lb	33.0	33.0	32.4
1,000 to 9,999 lb	33.4	22.8	38.7
10,000 to 49,999 lb	27.5	29.7	S
50,000 to 99,999 lb	42.7	42.5	43.3
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**26.0**	**32.5**	**23.2**
Less than 50 lb	–	–	–
50 to 99 lb	S	S	S
100 to 499 lb	48.8	42.9	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.8	36.7	S
10,000 to 49,999 lb	31.6	39.4	35.5
50,000 to 99,999 lb	34.2	39.7	25.8
100,000 lb or more	S	S	38.6
SCTG 12, Gravel and crushed stone	**13.0**	**14.5**	**24.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	49.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	25.0	23.8	36.9
10,000 to 49,999 lb	15.6	22.9	27.9
50,000 to 99,999 lb	20.5	21.6	23.4
100,000 lb or more	32.1	34.7	41.9
SCTG 13, Nonmetallic minerals n.e.c.	**22.1**	**35.9**	**20.9**
Less than 50 lb	S	S	S
50 to 99 lb	43.5	S	S
100 to 499 lb	S	46.8	S
500 to 749 lb	31.6	48.7	47.2
750 to 999 lb	S	S	S
1,000 to 9,999 lb	26.8	35.7	37.2
10,000 to 49,999 lb	28.4	33.7	24.2
50,000 to 99,999 lb	27.8	S	32.7
100,000 lb or more	25.8	35.3	29.2
SCTG 14, Metallic ores and concentrates	**S**	**47.3**	**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	S	S	S
50,000 to 99,999 lb	–	–	–
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	S	S	S
10,000 to 49,999 lb	–	–	–
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–

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	**11.3**	**12.0**	**21.9**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	32.4	34.4	31.2
10,000 to 49,999 lb	18.8	18.2	18.5
50,000 to 99,999 lb	15.4	15.6	25.8
100,000 lb or more	49.1	48.3	S
SCTG 18, Fuel oils	**16.9**	**21.9**	**43.3**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	39.2	39.1	44.7
500 to 749 lb	S	S	S
750 to 999 lb	49.7	49.6	39.6
1,000 to 9,999 lb	25.2	28.0	32.7
10,000 to 49,999 lb	20.9	23.6	S
50,000 to 99,999 lb	19.8	27.7	44.0
100,000 lb or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**15.1**	**16.9**	**17.9**
Less than 50 lb	41.8	31.6	S
50 to 99 lb	36.3	31.9	32.8
100 to 499 lb	37.1	24.1	42.5
500 to 749 lb	26.5	33.9	39.4
750 to 999 lb	27.6	47.1	27.2
1,000 to 9,999 lb	28.0	25.2	35.1
10,000 to 49,999 lb	19.6	16.5	26.2
50,000 to 99,999 lb	29.0	29.8	21.4
100,000 lb or more	S	S	S
SCTG 20, Basic chemicals	**12.2**	**17.7**	**26.3**
Less than 50 lb	36.2	S	28.1
50 to 99 lb	27.2	S	29.7
100 to 499 lb	24.5	42.6	31.7
500 to 749 lb	21.5	20.6	31.9
750 to 999 lb	27.1	30.9	36.7
1,000 to 9,999 lb	15.1	20.7	24.8
10,000 to 49,999 lb	16.8	21.4	29.1
50,000 to 99,999 lb	42.4	48.7	49.8
100,000 lb or more	45.4	39.0	48.0
SCTG 21, Pharmaceutical products	**30.2**	**30.8**	**23.9**
Less than 50 lb	39.4	39.5	33.0
50 to 99 lb	S	S	S
100 to 499 lb	36.3	43.9	31.3
500 to 749 lb	32.5	27.4	38.9
750 to 999 lb	S	S	S
1,000 to 9,999 lb	34.3	22.7	37.7
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	–	–	–
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	46.5	39.1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	48.4	S	S
10,000 to 49,999 lb	S	S	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**13.1**	**17.2**	**26.6**
Less than 50 lb	19.4	23.0	17.7
50 to 99 lb	20.3	20.1	14.1
100 to 499 lb	23.2	19.5	31.3
500 to 749 lb	22.1	27.8	S
750 to 999 lb	30.3	26.2	39.0
1,000 to 9,999 lb	13.5	16.4	23.2
10,000 to 49,999 lb	25.0	24.3	33.8
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 24, Plastics and rubber	**7.0**	**42.6**	**33.2**
Less than 50 lb	13.1	18.9	17.9
50 to 99 lb	11.7	21.3	33.8
100 to 499 lb	11.2	21.4	26.4
500 to 749 lb	14.8	23.2	26.0
750 to 999 lb	13.3	20.8	15.6
1,000 to 9,999 lb	13.3	15.2	18.2
10,000 to 49,999 lb	11.6	14.8	15.1
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–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	**S**	**S**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	38.0	36.2
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 26, Wood products	**9.1**	**35.3**	**19.4**
Less than 50 lb	22.4	23.6	40.5
50 to 99 lb	21.8	26.0	22.8
100 to 499 lb	19.8	19.7	17.0
500 to 749 lb	25.7	23.2	33.1
750 to 999 lb	32.4	19.2	24.5
1,000 to 9,999 lb	22.6	18.9	16.6
10,000 to 49,999 lb	12.7	S	26.3
50,000 to 99,999 lb	15.1	44.4	17.2
100,000 lb or more	20.6	17.6	22.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.3**	**9.4**	**14.3**
Less than 50 lb	23.6	22.9	21.0
50 to 99 lb	17.3	21.5	25.5
100 to 499 lb	14.0	12.8	18.5
500 to 749 lb	23.6	17.5	27.0
750 to 999 lb	17.8	20.8	S
1,000 to 9,999 lb	14.4	14.0	20.5
10,000 to 49,999 lb	13.4	12.6	13.1
50,000 to 99,999 lb	43.9	37.7	32.1
100,000 lb or more	14.6	18.1	28.6
SCTG 28, Paper or paperboard articles	**10.9**	**9.5**	**31.0**
Less than 50 lb	16.5	20.7	18.7
50 to 99 lb	26.8	21.1	31.7
100 to 499 lb	16.9	16.4	24.0
500 to 749 lb	18.1	17.1	22.3
750 to 999 lb	23.3	21.7	24.2
1,000 to 9,999 lb	16.9	17.0	S
10,000 to 49,999 lb	19.0	13.7	18.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 29, Printed products	**11.1**	**10.2**	**10.2**
Less than 50 lb	23.2	14.9	19.9
50 to 99 lb	16.0	20.1	33.9
100 to 499 lb	16.1	22.3	20.6
500 to 749 lb	44.1	20.7	29.4
750 to 999 lb	18.9	26.7	18.4
1,000 to 9,999 lb	15.0	14.4	13.5
10,000 to 49,999 lb	17.7	17.7	17.3
50,000 to 99,999 lb	40.8	45.7	S
100,000 lb or more	39.5	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**7.7**	**8.1**	**11.5**
Less than 50 lb	17.5	18.0	15.8
50 to 99 lb	13.3	10.5	13.6
100 to 499 lb	13.6	8.8	14.6
500 to 749 lb	15.3	14.0	18.3
750 to 999 lb	15.3	14.9	13.8
1,000 to 9,999 lb	10.9	11.8	17.2
10,000 to 49,999 lb	16.9	8.5	16.2
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 31, Nonmetallic mineral products	**11.3**	**17.4**	**28.7**
Less than 50 lb	40.0	30.2	29.1
50 to 99 lb	30.8	19.0	24.1
100 to 499 lb	11.9	15.0	19.3
500 to 749 lb	45.5	23.8	36.3
750 to 999 lb	32.1	28.4	26.9
1,000 to 9,999 lb	17.1	19.3	31.1
10,000 to 49,999 lb	14.4	22.8	27.1
50,000 to 99,999 lb	34.0	39.9	41.0
100,000 lb or more	48.9	37.7	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.9**	**30.2**	**45.9**
Less than 50 lb	26.7	19.3	20.2
50 to 99 lb	24.2	17.2	18.6
100 to 499 lb	12.4	14.1	14.0
500 to 749 lb	26.5	17.8	23.2
750 to 999 lb	27.2	28.0	S
1,000 to 9,999 lb	11.1	13.8	18.4
10,000 to 49,999 lb	10.9	14.6	19.2
50,000 to 99,999 lb	26.2	30.7	S
100,000 lb or more	45.7	S	S

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**12.5**	**16.9**	**29.3**
Less than 50 lb	15.4	14.2	22.8
50 to 99 lb	13.9	15.0	24.7
100 to 499 lb	15.8	13.6	21.8
500 to 749 lb	20.9	15.0	20.2
750 to 999 lb	22.7	16.6	25.7
1,000 to 9,999 lb	20.9	18.8	20.6
10,000 to 49,999 lb	21.1	18.1	14.4
50,000 to 99,999 lb	40.5	46.0	S
100,000 lb or more	S	S	S
SCTG 34, Machinery	**9.5**	**9.3**	**15.9**
Less than 50 lb	13.0	10.5	14.3
50 to 99 lb	17.4	17.8	31.9
100 to 499 lb	18.6	12.2	14.0
500 to 749 lb	27.7	21.5	25.6
750 to 999 lb	40.4	22.2	22.6
1,000 to 9,999 lb	15.0	14.8	18.9
10,000 to 49,999 lb	17.2	17.6	27.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	49.1	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.5**	**10.9**	**10.9**
Less than 50 lb	12.6	9.5	14.6
50 to 99 lb	14.2	13.9	15.7
100 to 499 lb	17.7	17.4	17.3
500 to 749 lb	23.6	27.3	19.7
750 to 999 lb	26.0	26.3	21.4
1,000 to 9,999 lb	11.8	11.5	14.1
10,000 to 49,999 lb	18.7	14.5	17.4
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 36, Motorized and other vehicles (including parts)	**16.3**	**23.3**	**18.2**
Less than 50 lb	22.8	28.3	24.6
50 to 99 lb	18.2	23.6	38.9
100 to 499 lb	15.7	11.2	26.9
500 to 749 lb	19.4	21.4	22.9
750 to 999 lb	48.6	34.6	S
1,000 to 9,999 lb	16.7	17.5	23.1
10,000 to 49,999 lb	S	S	19.1
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**16.8**	**11.3**	**16.7**
Less than 50 lb	26.0	25.6	38.4
50 to 99 lb	S	39.7	43.2
100 to 499 lb	31.1	33.1	39.2
500 to 749 lb	27.7	33.5	36.2
750 to 999 lb	S	34.4	41.2
1,000 to 9,999 lb	29.0	33.5	31.5
10,000 to 49,999 lb	35.3	32.1	44.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 38, Precision instruments and apparatus	**12.6**	**15.0**	**18.1**
Less than 50 lb	16.3	27.6	11.2
50 to 99 lb	23.3	19.9	18.4
100 to 499 lb	19.5	23.1	15.1
500 to 749 lb	32.1	25.6	20.6
750 to 999 lb	30.9	35.3	23.7
1,000 to 9,999 lb	25.3	18.8	26.7
10,000 to 49,999 lb	35.8	35.6	36.6
50,000 to 99,999 lb	–	–	–
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**15.9**	**11.9**	**15.6**
Less than 50 lb	23.1	22.2	41.2
50 to 99 lb	36.3	25.5	26.5
100 to 499 lb	30.0	17.7	20.5
500 to 749 lb	20.1	25.2	20.9
750 to 999 lb	18.3	20.7	24.2
1,000 to 9,999 lb	17.6	16.8	19.0
10,000 to 49,999 lb	16.7	18.4	27.9
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 40, Miscellaneous manufactured products	**8.7**	**34.6**	**S**
Less than 50 lb	9.0	10.4	10.1
50 to 99 lb	13.7	11.2	16.9
100 to 499 lb	15.3	15.2	16.2
500 to 749 lb	21.1	18.6	15.5
750 to 999 lb	13.5	16.4	16.0
1,000 to 9,999 lb	9.1	17.4	10.6
10,000 to 49,999 lb	34.2	S	20.8
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–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	**26.0**	**36.9**	**29.0**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	S	45.9
10,000 to 49,999 lb	31.3	S	47.2
50,000 to 99,999 lb	36.0	25.0	25.3
100,000 lb or more	42.7	28.8	45.2
SCTG 43, Mixed freight	**17.0**	**25.3**	**24.0**
Less than 50 lb	34.8	42.6	25.5
50 to 99 lb	34.2	27.8	33.7
100 to 499 lb	27.0	44.6	S
500 to 749 lb	29.3	47.2	S
750 to 999 lb	36.3	S	49.7
1,000 to 9,999 lb	30.4	31.9	27.4
10,000 to 49,999 lb	32.7	32.7	31.3
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
Commodity unknown	**24.4**	**49.8**	**S**
Less than 50 lb	30.1	29.9	39.0
50 to 99 lb	S	47.0	S
100 to 499 lb	41.5	41.4	44.6
500 to 749 lb	41.0	S	43.5
750 to 999 lb	S	S	42.9
1,000 to 9,999 lb	45.4	S	40.9
10,000 to 49,999 lb	37.8	40.1	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**3.8**	**8.4**	**8.8**	**4.3**	**4.7**	**10.6**	**8.9**	**5.4**	**16.8**	**16.7**
Less than 50 lb	7.5	6.8	5.5	4.9	6.1	8.8	8.8	10.7	9.8	9.3
50 to 99 lb	7.9	6.3	7.2	7.9	10.0	7.1	6.8	17.6	14.0	14.5
100 to 499 lb	6.7	4.2	4.7	6.3	8.3	6.6	6.9	18.2	9.2	11.3
500 to 749 lb	8.2	5.8	4.5	5.3	13.4	8.1	8.3	9.6	10.8	12.6
750 to 999 lb	8.8	5.4	21.2	13.1	8.8	6.1	5.7	19.6	12.6	13.3
1,000 to 9,999 lb	4.2	4.2	7.3	7.3	6.3	5.9	7.5	5.8	8.0	8.7
10,000 to 49,999 lb	4.5	10.8	6.8	6.9	6.1	14.2	14.1	14.6	11.3	12.1
50,000 to 99,999 lb	10.7	15.8	28.4	19.6	9.8	16.9	14.6	25.7	28.7	29.5
100,000 lb or more	16.3	19.8	21.5	18.3	13.3	21.1	26.0	45.7	37.9	39.2
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
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	22.4	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	23.4	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	23.9	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	S	S	S
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**40.4**	**46.3**	**22.4**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	21.8	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	22.4	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	22.3	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	22.4	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	49.7	49.2	49.9	20.9	–	–	–	–	–	–
SCTG 03, Other agricultural products	**21.9**	**31.1**	**32.9**	**20.0**	**29.7**	**31.6**	**40.5**	**23.6**	**S**	**S**
Less than 50 lb	37.9	33.5	S	19.3	S	42.5	36.1	38.1	35.8	34.8
50 to 99 lb	44.5	41.7	35.1	S	S	48.2	31.6	S	S	S
100 to 499 lb	34.2	37.1	28.0	37.9	42.1	43.5	31.4	40.0	35.0	34.8
500 to 749 lb	38.2	43.1	37.5	S	45.3	S	S	S	S	S
750 to 999 lb	35.0	36.0	32.2	S	40.1	39.2	42.8	S	S	S
1,000 to 9,999 lb	30.2	31.0	23.9	S	35.0	34.0	32.4	28.4	36.7	38.1
10,000 to 49,999 lb	38.8	S	S	37.6	32.6	38.1	35.3	S	S	48.2
50,000 to 99,999 lb	43.3	S	S	19.6	41.5	S	S	S	S	S
100,000 lb or more	S	S	S	24.3	S	S	S	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	38.3	40.9	20.5	36.2	46.1	S	S	S	S
50 to 99 lb	34.8	36.1	S	S	35.1	40.7	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.4	S	S	S	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	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	40.2	27.3	S	28.2	29.7	40.1	40.5	36.1	37.9	39.9
100,000 lb or more	46.1	42.4	S	20.9	S	S	S	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**11.3**	**15.1**	**24.9**	**16.9**	**17.3**	**22.2**	**25.7**	**18.2**	**21.3**	**21.4**
Less than 50 lb	41.4	39.8	S	18.3	43.2	42.5	S	S	S	S
50 to 99 lb	36.5	30.1	33.3	S	38.6	30.4	38.6	S	46.6	45.9
100 to 499 lb	20.8	24.7	29.2	28.0	23.3	26.7	35.8	31.2	35.5	35.2
500 to 749 lb	18.8	24.9	27.6	23.6	23.9	29.9	36.5	35.0	35.9	38.0
750 to 999 lb	18.8	26.2	22.8	26.9	22.8	24.5	27.5	43.5	49.3	S
1,000 to 9,999 lb	17.1	18.8	37.6	27.5	20.9	22.1	23.8	23.7	23.6	25.6
10,000 to 49,999 lb	20.8	25.0	26.2	26.4	36.7	44.7	S	S	S	S
50,000 to 99,999 lb	S	S	S	21.9	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**24.3**	**28.9**	**23.3**	**23.3**	**28.9**	**38.8**	**40.0**	**31.8**	**34.2**	**35.3**
Less than 50 lb	S	39.6	S	20.3	42.5	49.9	S	S	S	S
50 to 99 lb	39.1	46.4	48.2	39.0	44.1	S	41.8	S	S	S
100 to 499 lb	38.4	37.0	38.7	44.2	39.0	39.9	36.8	S	47.3	49.9
500 to 749 lb	42.6	35.9	30.5	24.9	49.7	42.8	47.1	42.9	39.9	41.9
750 to 999 lb	37.7	42.3	46.0	25.7	40.9	42.1	42.7	47.7	S	S
1,000 to 9,999 lb	27.2	29.2	33.3	16.9	24.7	34.0	36.6	37.4	39.3	43.3
10,000 to 49,999 lb	29.7	33.8	22.6	36.3	41.5	S	47.7	37.0	39.2	39.0
50,000 to 99,999 lb	S	S	S	29.6	S	S	S	–	–	–
100,000 lb or more	S	41.1	S	23.9	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**10.9**	**13.7**	**12.4**	**19.9**	**18.3**	**24.1**	**29.5**	**14.1**	**12.2**	**12.4**
Less than 50 lb	45.4	38.0	36.2	23.0	S	46.9	40.0	43.6	36.1	36.6
50 to 99 lb	43.2	30.4	43.8	20.6	S	36.5	36.6	S	43.3	39.7
100 to 499 lb	22.8	24.2	39.2	38.7	29.1	31.4	30.2	23.9	26.0	26.0
500 to 749 lb	23.2	24.3	37.5	45.5	28.4	33.7	29.5	42.1	34.4	33.2
750 to 999 lb	24.7	22.8	31.9	18.8	33.9	28.1	31.3	29.5	22.5	23.0
1,000 to 9,999 lb	23.0	22.9	25.4	20.7	27.1	34.5	40.1	23.2	21.1	22.0
10,000 to 49,999 lb	9.9	15.4	14.1	16.4	24.2	31.7	38.3	17.0	15.0	15.0
50,000 to 99,999 lb	S	S	S	31.4	S	S	S	48.1	49.4	S
100,000 lb or more	S	S	S	27.0	S	S	S	–	–	–
SCTG 08, Alcoholic beverages	**8.8**	**9.6**	**29.6**	**5.6**	**8.1**	**8.2**	**9.5**	**24.0**	**35.8**	**37.0**
Less than 50 lb	S	33.3	40.9	6.7	49.8	32.3	39.4	S	S	S
50 to 99 lb	21.0	14.6	15.6	5.4	21.8	14.9	16.7	36.3	29.0	30.3
100 to 499 lb	17.3	13.0	16.1	4.9	17.5	13.2	15.3	27.8	27.9	30.9
500 to 749 lb	11.4	10.7	11.6	7.9	11.5	10.7	10.9	34.2	39.6	40.1
750 to 999 lb	16.8	16.0	16.6	12.0	17.3	16.6	18.7	S	46.8	44.6
1,000 to 9,999 lb	11.2	12.3	14.4	8.2	11.3	12.5	13.9	28.5	35.7	37.0
10,000 to 49,999 lb	31.4	35.4	39.8	20.6	24.2	26.0	33.4	42.7	44.8	44.7
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**18.3**	**26.5**	**26.4**	**49.4**	**17.2**	**21.2**	**25.0**	**32.2**	**39.1**	**40.3**
Less than 50 lb	30.2	29.1	39.9	39.3	35.0	33.1	28.9	39.2	41.6	40.5
50 to 99 lb	34.5	35.0	38.5	S	30.8	30.6	33.2	S	S	S
100 to 499 lb	25.5	21.7	26.9	S	22.3	22.4	25.0	42.5	35.2	34.3
500 to 749 lb	27.7	21.8	27.1	S	30.6	25.3	30.2	49.9	S	S
750 to 999 lb	26.7	28.1	S	S	33.5	38.1	42.9	S	S	S
1,000 to 9,999 lb	24.1	34.4	41.5	40.2	35.6	27.9	34.9	42.2	39.3	40.0
10,000 to 49,999 lb	42.4	S	37.1	S	47.2	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–
SCTG 10, Monumental or building stone	**17.9**	**23.8**	**42.7**	**20.3**	**31.6**	**39.6**	**32.6**	**32.2**	**27.0**	**28.8**
Less than 50 lb	47.0	S	S	S	S	S	S	–	–	–
50 to 99 lb	35.4	S	S	23.0	S	S	S	S	S	S
100 to 499 lb	27.0	28.8	34.2	16.4	40.2	42.8	38.8	S	S	S
500 to 749 lb	30.0	34.8	41.8	16.2	S	S	S	S	S	S
750 to 999 lb	33.0	33.0	32.4	18.8	S	S	S	S	S	S
1,000 to 9,999 lb	33.4	22.8	38.7	17.4	28.9	28.9	37.6	S	S	S
10,000 to 49,999 lb	27.5	29.7	S	21.8	32.5	S	38.3	42.1	32.4	34.8
50,000 to 99,999 lb	42.7	42.5	43.3	43.9	35.8	35.6	48.4	S	S	S
100,000 lb or more	S	S	S	48.0	S	S	S	–	–	–
SCTG 11, Natural sands	**26.0**	**32.5**	**23.2**	**S**	**31.4**	**33.7**	**30.8**	**37.7**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	48.8	42.9	S	39.0	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	48.7	S	S	S	–	–	–
1,000 to 9,999 lb	34.8	36.7	S	S	37.0	37.4	S	S	S	S
10,000 to 49,999 lb	31.6	39.4	35.5	S	35.9	39.9	36.6	S	S	S
50,000 to 99,999 lb	34.2	39.7	25.8	S	39.3	41.3	37.6	48.0	S	S
100,000 lb or more	S	S	38.6	23.8	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**13.0**	**14.5**	**24.8**	**39.7**	**12.5**	**15.3**	**17.3**	**38.4**	**S**	**S**
Less than 50 lb	S	S	S	22.4	–	–	–	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	49.4	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	22.2	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.2	S	S	S	–	–	–
1,000 to 9,999 lb	25.0	23.8	36.9	S	26.7	25.0	26.2	S	S	S
10,000 to 49,999 lb	15.6	22.9	27.9	42.7	15.4	23.8	26.2	42.6	S	S
50,000 to 99,999 lb	20.5	21.6	23.4	17.2	21.3	21.8	25.5	S	S	S
100,000 lb or more	32.1	34.7	41.9	44.0	35.1	36.1	44.9	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**22.1**	**35.9**	**20.9**	**43.1**	**27.7**	**S**	**34.2**	**31.1**	**30.9**	**28.5**
Less than 50 lb	S	S	S	29.6	S	S	S	S	S	S
50 to 99 lb	43.5	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	46.8	S	24.0	46.9	45.5	S	S	S	S
500 to 749 lb	31.6	48.7	47.2	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	24.9	S	S	S	–	–	–
1,000 to 9,999 lb	26.8	35.7	37.2	47.5	47.2	44.3	43.0	S	47.7	47.4
10,000 to 49,999 lb	28.4	33.7	24.2	S	32.4	S	34.6	35.2	33.0	30.5
50,000 to 99,999 lb	27.8	S	32.7	S	43.4	S	45.8	S	S	S
100,000 lb or more	25.8	35.3	29.2	21.9	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**S**	**47.3**	**S**	**21.5**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	27.1	S	S	S	S	S	S
50 to 99 lb	S	S	S	21.8	S	S	S	S	S	S
100 to 499 lb	S	S	S	22.7	S	S	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	–	–	–
750 to 999 lb	S	S	S	22.4	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	24.8	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	22.4	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–
SCTG 15, Coal	**S**	**S**	**S**	**22.0**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	22.4	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**11.3**	**12.0**	**21.9**	**7.6**	**12.0**	**12.9**	**15.6**	**47.5**	**48.5**	**48.3**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	S	S	S	23.6	S	S	S	–	–	–
100 to 499 lb	S	S	S	26.9	S	S	S	–	–	–
500 to 749 lb	S	S	S	23.1	S	S	S	S	S	S
750 to 999 lb	S	S	S	28.0	S	S	S	–	–	–
1,000 to 9,999 lb	32.4	34.4	31.2	22.1	34.7	38.4	37.1	S	42.4	43.5
10,000 to 49,999 lb	18.8	18.2	18.5	12.5	20.3	19.8	23.6	23.8	21.9	22.2
50,000 to 99,999 lb	15.4	15.6	25.8	9.4	12.8	12.6	17.6	S	S	S
100,000 lb or more	49.1	48.3	S	26.2	S	S	S	S	S	S
SCTG 18, Fuel oils	**16.9**	**21.9**	**43.3**	**20.3**	**11.5**	**15.0**	**28.7**	**44.7**	**S**	**S**
Less than 50 lb	S	S	S	22.2	–	–	–	S	S	S
50 to 99 lb	S	S	S	23.0	S	S	S	S	S	S
100 to 499 lb	39.2	39.1	44.7	37.3	40.2	39.1	47.5	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	49.7	49.6	39.6	S	S	S	49.5	S	47.8	46.6
1,000 to 9,999 lb	25.2	28.0	32.7	44.2	29.9	29.7	31.9	48.0	38.0	40.1
10,000 to 49,999 lb	20.9	23.6	S	17.9	18.6	20.9	25.8	S	S	S
50,000 to 99,999 lb	19.8	27.7	44.0	15.8	13.0	16.4	33.4	45.1	S	S
100,000 lb or more	S	S	S	22.2	S	S	S	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**15.1**	**16.9**	**17.9**	**36.5**	**16.9**	**17.3**	**18.7**	**30.5**	**31.4**	**30.5**
Less than 50 lb	41.8	31.6	S	S	42.4	33.7	39.0	S	S	S
50 to 99 lb	36.3	31.9	32.8	S	37.0	33.0	31.3	S	S	S
100 to 499 lb	37.1	24.1	42.5	45.2	43.2	27.6	35.0	32.6	34.2	35.5
500 to 749 lb	26.5	33.9	39.4	S	32.0	42.2	33.6	47.0	47.3	46.7
750 to 999 lb	27.6	47.1	27.2	25.7	34.8	S	31.0	37.9	42.2	42.3
1,000 to 9,999 lb	28.0	25.2	35.1	S	32.3	24.1	22.5	42.3	48.8	47.8
10,000 to 49,999 lb	19.6	16.5	26.2	24.4	21.6	16.5	25.2	S	S	S
50,000 to 99,999 lb	29.0	29.8	21.4	25.5	31.8	31.0	23.7	46.3	42.8	43.6
100,000 lb or more	S	S	S	23.3	S	S	S	–	–	–
SCTG 20, Basic chemicals	**12.2**	**17.7**	**26.3**	**42.5**	**17.8**	**18.7**	**22.3**	**21.8**	**27.2**	**26.5**
Less than 50 lb	36.2	S	28.1	S	S	S	S	S	31.9	33.7
50 to 99 lb	27.2	S	29.7	S	34.8	S	S	44.2	41.1	41.1
100 to 499 lb	24.5	42.6	31.7	45.9	28.5	S	49.0	26.6	19.3	19.8
500 to 749 lb	21.5	20.6	31.9	29.7	33.9	30.5	30.0	38.3	40.8	38.9
750 to 999 lb	27.1	30.9	36.7	32.3	27.0	31.3	31.8	S	46.4	45.6
1,000 to 9,999 lb	15.1	20.7	24.8	28.7	27.5	23.3	24.5	30.6	22.0	21.3
10,000 to 49,999 lb	16.8	21.4	29.1	16.9	22.8	28.4	31.4	41.0	36.7	36.9
50,000 to 99,999 lb	42.4	48.7	49.8	29.0	49.0	S	S	47.1	43.7	43.8
100,000 lb or more	45.4	39.0	48.0	19.6	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**30.2**	**30.8**	**23.9**	**19.1**	**20.2**	**21.2**	**21.1**	**47.0**	**S**	**S**
Less than 50 lb	39.4	39.5	33.0	19.4	31.0	S	S	37.1	47.0	S
50 to 99 lb	S	S	S	25.9	33.1	29.9	25.8	S	S	S
100 to 499 lb	36.3	43.9	31.3	32.2	22.5	21.3	21.9	S	S	S
500 to 749 lb	32.5	27.4	38.9	38.1	42.4	38.4	41.8	38.4	33.4	33.0
750 to 999 lb	S	S	S	24.9	S	S	S	48.9	S	S
1,000 to 9,999 lb	34.3	22.7	37.7	20.1	38.8	29.4	40.8	39.6	31.3	31.3
10,000 to 49,999 lb	S	S	S	20.7	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**S**	**S**	**S**	**21.4**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.3	42.6	49.4	49.2	S	S	S
50 to 99 lb	S	S	S	22.6	S	S	S	–	–	–
100 to 499 lb	46.5	39.1	S	20.6	S	42.6	S	S	S	S
500 to 749 lb	S	S	S	22.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.7	S	S	S	S	S	S
1,000 to 9,999 lb	48.4	S	S	22.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	26.6	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**13.1**	**17.2**	**26.6**	**21.7**	**18.0**	**20.8**	**24.9**	**21.2**	**25.0**	**22.8**
Less than 50 lb	19.4	23.0	17.7	33.6	25.6	28.6	27.8	32.8	31.8	31.0
50 to 99 lb	20.3	20.1	14.1	26.3	30.3	30.5	27.2	27.5	26.6	25.6
100 to 499 lb	23.2	19.5	31.3	11.6	39.5	20.7	20.5	17.3	14.6	14.9
500 to 749 lb	22.1	27.8	S	15.4	26.0	25.4	29.9	37.3	29.9	31.1
750 to 999 lb	30.3	26.2	39.0	18.1	34.8	27.8	28.9	43.0	30.2	32.9
1,000 to 9,999 lb	13.5	16.4	23.2	15.7	21.8	25.7	27.0	17.4	25.5	23.2
10,000 to 49,999 lb	25.0	24.3	33.8	17.7	33.6	31.2	35.7	39.9	36.5	35.1
50,000 to 99,999 lb	S	S	S	21.2	S	S	S	–	–	–
100,000 lb or more	S	S	S	21.8	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**7.0**	**42.6**	**33.2**	**11.3**	**16.9**	**S**	**S**	**15.1**	**47.5**	**46.4**
Less than 50 lb	13.1	18.9	17.9	13.9	20.6	21.6	25.2	25.1	32.5	31.6
50 to 99 lb	11.7	21.3	33.8	18.7	18.2	21.5	25.3	28.4	42.6	40.2
100 to 499 lb	11.2	21.4	26.4	12.1	15.8	21.2	22.9	24.0	31.0	31.6
500 to 749 lb	14.8	23.2	26.0	13.0	31.8	29.6	35.6	23.8	25.3	22.9
750 to 999 lb	13.3	20.8	15.6	20.7	37.5	42.4	28.6	30.5	37.6	39.6
1,000 to 9,999 lb	13.3	15.2	18.2	13.4	37.6	30.9	36.5	18.8	19.1	20.1
10,000 to 49,999 lb	11.6	14.8	15.1	7.6	27.9	33.1	28.2	27.6	25.5	26.6
50,000 to 99,999 lb	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
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**17.9**	**S**	**S**	**41.2**	**S**	**S**	**S**
Less than 50 lb	S	S	S	22.0	S	S	S	S	S	S
50 to 99 lb	S	S	S	28.0	S	S	S	S	S	S
100 to 499 lb	S	S	S	29.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	27.3	S	S	S	–	–	–
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	38.0	36.2	21.2	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	47.8	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	19.7	S	S	41.6	S	S	S
100,000 lb or more	S	S	S	21.9	S	S	S	S	S	S
SCTG 26, Wood products	**9.1**	**35.3**	**19.4**	**11.0**	**12.0**	**48.7**	**43.1**	**12.4**	**14.8**	**16.0**
Less than 50 lb	22.4	23.6	40.5	17.7	24.7	21.0	24.4	35.2	38.3	39.8
50 to 99 lb	21.8	26.0	22.8	S	29.2	35.2	33.3	36.4	32.2	33.4
100 to 499 lb	19.8	19.7	17.0	31.5	21.9	24.3	19.0	31.8	30.0	31.2
500 to 749 lb	25.7	23.2	33.1	24.2	28.0	27.3	21.8	30.1	23.0	24.0
750 to 999 lb	32.4	19.2	24.5	21.3	42.0	22.8	22.4	19.7	26.6	23.2
1,000 to 9,999 lb	22.6	18.9	16.6	19.7	25.0	26.3	16.8	30.1	21.9	21.4
10,000 to 49,999 lb	12.7	S	26.3	43.2	16.5	S	S	14.7	20.2	22.0
50,000 to 99,999 lb	15.1	44.4	17.2	37.2	30.0	S	40.9	22.7	25.3	28.0
100,000 lb or more	20.6	17.6	22.5	11.6	S	S	S	33.2	S	S
SCTG 27, Pulp, newsprint, paper, and paperboard	**10.3**	**9.4**	**14.3**	**17.6**	**10.4**	**18.2**	**19.9**	**21.5**	**18.3**	**18.1**
Less than 50 lb	23.6	22.9	21.0	45.7	31.1	24.4	24.9	28.6	40.6	41.2
50 to 99 lb	17.3	21.5	25.5	S	22.6	23.1	24.6	44.1	S	S
100 to 499 lb	14.0	12.8	18.5	33.8	19.5	14.6	12.9	32.8	36.5	35.6
500 to 749 lb	23.6	17.5	27.0	43.5	24.4	17.6	17.4	38.0	46.3	S
750 to 999 lb	17.8	20.8	S	17.4	21.3	17.5	19.8	35.7	48.5	42.3
1,000 to 9,999 lb	14.4	14.0	20.5	14.1	14.7	17.4	16.1	23.8	29.8	29.1
10,000 to 49,999 lb	13.4	12.6	13.1	5.5	12.4	16.5	27.1	30.2	26.6	25.3
50,000 to 99,999 lb	43.9	37.7	32.1	24.9	S	S	S	S	S	S
100,000 lb or more	14.6	18.1	28.6	9.5	S	S	S	S	45.2	45.0
SCTG 28, Paper or paperboard articles	**10.9**	**9.5**	**31.0**	**15.3**	**13.3**	**16.3**	**14.3**	**25.2**	**16.2**	**17.1**
Less than 50 lb	16.5	20.7	18.7	15.0	23.7	28.6	28.0	31.2	30.3	29.1
50 to 99 lb	26.8	21.1	31.7	38.3	31.3	25.4	25.7	36.3	S	46.3
100 to 499 lb	16.9	16.4	24.0	36.9	19.0	22.1	22.1	27.6	25.1	23.5
500 to 749 lb	18.1	17.1	22.3	21.4	22.4	25.3	26.9	31.8	33.2	35.9
750 to 999 lb	23.3	21.7	24.2	25.7	28.1	27.4	24.3	41.9	41.8	42.3
1,000 to 9,999 lb	16.9	17.0	S	27.2	19.0	20.1	22.0	20.6	22.8	23.6
10,000 to 49,999 lb	19.0	13.7	18.0	12.0	25.2	25.9	18.2	41.6	27.3	28.7
50,000 to 99,999 lb	S	S	S	22.4	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**11.1**	**10.2**	**10.2**	**18.1**	**10.0**	**14.0**	**12.9**	**15.0**	**25.1**	**20.8**
Less than 50 lb	23.2	14.9	19.9	18.1	19.5	22.8	13.6	20.0	17.0	17.1
50 to 99 lb	16.0	20.1	33.9	26.2	31.1	26.6	23.0	24.3	19.8	19.1
100 to 499 lb	16.1	22.3	20.6	42.0	18.0	29.4	23.5	23.7	27.2	26.2
500 to 749 lb	44.1	20.7	29.4	18.7	S	24.1	20.6	44.9	36.9	35.5
750 to 999 lb	18.9	26.7	18.4	40.6	23.1	31.9	31.6	40.2	32.0	29.5
1,000 to 9,999 lb	15.0	14.4	13.5	42.4	12.4	17.3	15.5	29.0	S	41.3
10,000 to 49,999 lb	17.7	17.7	17.3	32.5	29.2	29.6	25.5	21.5	19.2	19.4
50,000 to 99,999 lb	40.8	45.7	S	32.4	S	46.5	S	S	S	S
100,000 lb or more	39.5	S	S	21.1	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**7.7**	**8.1**	**11.5**	**3.5**	**10.0**	**10.4**	**9.2**	**22.6**	**24.8**	**20.7**
Less than 50 lb	17.5	18.0	15.8	3.7	16.0	17.2	18.9	17.0	13.7	13.7
50 to 99 lb	13.3	10.5	13.6	6.3	22.0	18.7	20.2	20.8	26.0	28.1
100 to 499 lb	13.6	8.8	14.6	8.2	21.7	19.7	20.5	42.9	30.2	29.0
500 to 749 lb	15.3	14.0	18.3	10.5	29.3	35.9	29.7	48.1	26.9	26.0
750 to 999 lb	15.3	14.9	13.8	14.3	44.1	31.3	42.6	23.9	35.5	33.9
1,000 to 9,999 lb	10.9	11.8	17.2	6.9	10.5	10.6	12.8	S	S	43.8
10,000 to 49,999 lb	16.9	8.5	16.2	9.5	21.3	20.5	23.6	28.6	33.0	35.6
50,000 to 99,999 lb	S	S	S	21.4	S	S	S	–	–	–
100,000 lb or more	S	S	S	35.2	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**11.3**	**17.4**	**28.7**	**11.0**	**15.3**	**21.2**	**18.0**	**24.7**	**34.8**	**33.7**
Less than 50 lb	40.0	30.2	29.1	11.6	46.1	39.2	48.8	45.1	31.9	33.6
50 to 99 lb	30.8	19.0	24.1	26.8	S	26.1	23.9	44.3	S	S
100 to 499 lb	11.9	15.0	19.3	27.4	21.4	21.2	22.5	34.2	36.1	38.1
500 to 749 lb	45.5	23.8	36.3	35.8	32.6	33.1	44.7	S	S	S
750 to 999 lb	32.1	28.4	26.9	S	35.6	37.2	S	S	S	S
1,000 to 9,999 lb	17.1	19.3	31.1	23.8	28.9	24.1	28.7	25.7	30.2	30.0
10,000 to 49,999 lb	14.4	22.8	27.1	S	18.5	26.3	20.4	32.9	49.4	46.3
50,000 to 99,999 lb	34.0	39.9	41.0	S	49.3	S	S	S	45.2	45.3
100,000 lb or more	48.9	37.7	S	49.3	46.8	33.6	46.6	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**11.9**	**30.2**	**45.9**	**10.2**	**11.7**	**16.8**	**13.7**	**12.0**	**15.9**	**16.4**
Less than 50 lb	26.7	19.3	20.2	18.8	18.9	17.9	22.1	S	47.8	43.6
50 to 99 lb	24.2	17.2	18.6	14.2	22.7	15.1	19.0	S	49.5	46.0
100 to 499 lb	12.4	14.1	14.0	21.8	16.3	19.3	20.2	16.9	20.8	19.1
500 to 749 lb	26.5	17.8	23.2	32.2	41.9	22.6	25.4	34.6	16.7	14.8
750 to 999 lb	27.2	28.0	S	19.4	S	26.2	28.3	S	33.1	33.1
1,000 to 9,999 lb	11.1	13.8	18.4	12.5	16.8	21.8	22.8	14.3	15.6	15.9
10,000 to 49,999 lb	10.9	14.6	19.2	13.3	14.6	19.0	15.7	16.6	20.2	20.8
50,000 to 99,999 lb	26.2	30.7	S	21.4	38.8	45.9	46.1	49.9	46.7	49.5
100,000 lb or more	45.7	S	S	16.1	S	47.3	S	38.9	S	S
SCTG 33, Articles of base metal	**12.5**	**16.9**	**29.3**	**13.7**	**16.4**	**18.4**	**21.2**	**18.0**	**28.7**	**26.1**
Less than 50 lb	15.4	14.2	22.8	17.2	26.4	17.7	17.5	16.2	19.9	19.9
50 to 99 lb	13.9	15.0	24.7	17.1	19.1	19.5	17.8	19.6	17.7	17.6
100 to 499 lb	15.8	13.6	21.8	12.1	24.7	14.4	13.0	22.2	20.1	20.4
500 to 749 lb	20.9	15.0	20.2	11.3	S	26.6	23.8	21.9	25.9	24.5
750 to 999 lb	22.7	16.6	25.7	18.8	49.0	26.5	19.3	29.8	33.6	33.7
1,000 to 9,999 lb	20.9	18.8	20.6	14.0	38.9	28.5	22.2	27.2	24.3	24.8
10,000 to 49,999 lb	21.1	18.1	14.4	25.9	33.7	27.7	34.6	44.7	47.4	41.0
50,000 to 99,999 lb	40.5	46.0	S	23.9	S	S	S	S	S	S
100,000 lb or more	S	S	S	25.9	S	S	S	S	S	S
SCTG 34, Machinery	**9.5**	**9.3**	**15.9**	**10.9**	**13.3**	**17.0**	**21.2**	**16.8**	**12.7**	**12.5**
Less than 50 lb	13.0	10.5	14.3	14.0	15.6	12.4	16.2	21.8	20.1	19.8
50 to 99 lb	17.4	17.8	31.9	12.0	25.1	17.5	19.6	21.9	30.1	27.2
100 to 499 lb	18.6	12.2	14.0	10.4	14.6	14.8	17.7	30.3	21.4	21.2
500 to 749 lb	27.7	21.5	25.6	12.7	35.3	27.0	28.2	38.5	40.7	43.8
750 to 999 lb	40.4	22.2	22.6	22.7	S	41.8	42.8	S	32.4	33.1
1,000 to 9,999 lb	15.0	14.8	18.9	10.6	16.0	26.6	22.0	30.1	19.4	18.8
10,000 to 49,999 lb	17.2	17.6	27.4	14.4	S	39.3	49.3	35.0	46.0	45.3
50,000 to 99,999 lb	S	S	S	21.7	–	–	–	–	–	–
100,000 lb or more	49.1	S	S	24.4	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.5**	**10.9**	**10.9**	**8.9**	**14.7**	**18.0**	**18.0**	**24.3**	**19.2**	**18.1**
Less than 50 lb	12.6	9.5	14.6	9.7	11.5	16.2	12.3	18.6	20.2	19.2
50 to 99 lb	14.2	13.9	15.7	7.5	19.2	20.5	20.1	20.4	23.3	20.7
100 to 499 lb	17.7	17.4	17.3	9.6	22.8	18.5	18.8	38.5	16.6	15.1
500 to 749 lb	23.6	27.3	19.7	17.5	42.6	45.0	41.6	34.3	22.5	23.0
750 to 999 lb	26.0	26.3	21.4	16.0	S	S	41.7	S	38.0	37.9
1,000 to 9,999 lb	11.8	11.5	14.1	9.1	30.6	23.7	32.6	36.1	20.6	21.3
10,000 to 49,999 lb	18.7	14.5	17.4	14.0	40.9	38.9	44.6	38.9	46.9	43.3
50,000 to 99,999 lb	S	S	S	23.3	S	S	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 36, Motorized and other vehicles (including parts)	**16.3**	**23.3**	**18.2**	**44.2**	**15.2**	**41.7**	**43.9**	**S**	**49.5**	**48.0**
Less than 50 lb	22.8	28.3	24.6	S	28.6	38.3	24.7	47.8	23.9	23.1
50 to 99 lb	18.2	23.6	38.9	29.9	31.6	40.6	21.2	37.0	39.8	42.3
100 to 499 lb	15.7	11.2	26.9	26.0	30.5	22.0	24.6	26.9	32.3	32.9
500 to 749 lb	19.4	21.4	22.9	23.9	40.1	37.8	25.6	S	S	S
750 to 999 lb	48.6	34.6	S	21.8	S	42.3	30.8	S	37.0	37.2
1,000 to 9,999 lb	16.7	17.5	23.1	19.2	24.5	25.5	25.2	38.2	36.6	35.7
10,000 to 49,999 lb	S	S	19.1	S	39.9	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	25.6	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.4	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**16.8**	**11.3**	**16.7**	**18.2**	**14.6**	**8.3**	**40.3**	**31.5**	**S**	**S**
Less than 50 lb	26.0	25.6	38.4	20.8	34.3	34.7	28.4	37.8	42.6	40.3
50 to 99 lb	S	39.7	43.2	22.2	S	S	S	47.2	S	S
100 to 499 lb	31.1	33.1	39.2	15.2	S	S	S	39.6	34.8	34.8
500 to 749 lb	27.7	33.5	36.2	19.0	S	S	S	S	S	S
750 to 999 lb	S	34.4	41.2	25.3	S	S	S	S	S	S
1,000 to 9,999 lb	29.0	33.5	31.5	15.3	S	S	S	S	S	S
10,000 to 49,999 lb	35.3	32.1	44.3	20.1	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	–	–	–
100,000 lb or more	–	–	–	22.9	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**12.6**	**15.0**	**18.1**	**8.1**	**17.2**	**27.0**	**27.5**	**29.1**	**24.2**	**25.2**
Less than 50 lb	16.3	27.6	11.2	8.5	18.7	S	S	25.3	21.7	21.0
50 to 99 lb	23.3	19.9	18.4	11.9	23.9	33.9	45.6	36.9	42.4	42.1
100 to 499 lb	19.5	23.1	15.1	15.2	40.3	47.1	43.8	46.6	31.2	31.1
500 to 749 lb	32.1	25.6	20.6	29.3	47.8	47.1	S	35.3	S	48.5
750 to 999 lb	30.9	35.3	23.7	36.1	S	S	S	30.6	34.1	33.0
1,000 to 9,999 lb	25.3	18.8	26.7	10.6	25.8	33.7	37.2	39.1	41.4	43.4
10,000 to 49,999 lb	35.8	35.6	36.6	19.2	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**15.9**	**11.9**	**15.6**	**12.9**	**31.8**	**20.6**	**23.5**	**25.3**	**20.7**	**20.5**
Less than 50 lb	23.1	22.2	41.2	13.4	40.7	24.4	26.0	32.3	35.0	33.5
50 to 99 lb	36.3	25.5	26.5	15.3	49.9	25.3	29.7	42.4	41.2	42.1
100 to 499 lb	30.0	17.7	20.5	17.6	S	22.7	29.1	23.2	33.2	32.2
500 to 749 lb	20.1	25.2	20.9	29.6	34.7	40.1	44.3	36.6	37.9	41.9
750 to 999 lb	18.3	20.7	24.2	34.1	33.8	32.9	42.4	37.7	34.5	34.5
1,000 to 9,999 lb	17.6	16.8	19.0	17.0	26.4	30.3	30.3	37.8	27.2	27.1
10,000 to 49,999 lb	16.7	18.4	27.9	16.7	34.2	33.4	42.4	33.3	28.0	28.4
50,000 to 99,999 lb	S	S	S	22.9	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**8.7**	**34.6**	**S**	**5.1**	**16.6**	**S**	**S**	**16.2**	**42.8**	**41.2**
Less than 50 lb	9.0	10.4	10.1	5.2	14.4	15.5	15.0	13.3	15.9	15.6
50 to 99 lb	13.7	11.2	16.9	9.1	19.4	18.0	15.5	21.4	28.0	25.9
100 to 499 lb	15.3	15.2	16.2	12.2	25.3	24.6	26.1	24.4	28.8	27.7
500 to 749 lb	21.1	18.6	15.5	20.4	28.7	31.3	33.4	25.3	31.4	32.9
750 to 999 lb	13.5	16.4	16.0	22.3	S	35.7	39.7	28.8	33.5	35.0
1,000 to 9,999 lb	9.1	17.4	10.6	14.3	24.6	28.0	30.8	16.1	28.6	30.0
10,000 to 49,999 lb	34.2	S	20.8	43.6	S	S	S	30.9	37.3	41.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	21.4	S	S	S	S	S	S
SCTG 41, Waste and scrap	**26.0**	**36.9**	**29.0**	**25.1**	**28.4**	**43.3**	**47.1**	**38.8**	**35.6**	**40.1**
Less than 50 lb	S	S	S	29.3	S	S	S	S	S	S
50 to 99 lb	S	S	S	22.2	S	S	S	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	22.3	S	S	S	S	S	S
750 to 999 lb	S	S	S	23.5	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	45.9	S	S	S	S	S	42.0	41.3
10,000 to 49,999 lb	31.3	S	47.2	33.2	33.9	S	S	40.0	37.0	34.9
50,000 to 99,999 lb	36.0	25.0	25.3	45.7	S	49.2	S	S	34.3	32.7
100,000 lb or more	42.7	28.8	45.2	24.3	S	S	S	S	S	S
SCTG 43, Mixed freight	**17.0**	**25.3**	**24.0**	**S**	**19.5**	**28.9**	**34.2**	**24.8**	**35.5**	**36.9**
Less than 50 lb	34.8	42.6	25.5	S	41.0	47.1	48.4	38.7	29.0	29.8
50 to 99 lb	34.2	27.8	33.7	S	38.5	34.9	37.6	S	34.4	38.0
100 to 499 lb	27.0	44.6	S	S	38.2	39.1	37.0	29.0	S	S
500 to 749 lb	29.3	47.2	S	27.0	33.5	38.6	40.8	S	S	S
750 to 999 lb	36.3	S	49.7	28.0	38.4	46.2	46.6	47.1	S	S
1,000 to 9,999 lb	30.4	31.9	27.4	19.1	37.3	37.8	45.3	31.8	37.7	37.7
10,000 to 49,999 lb	32.7	32.7	31.3	16.8	34.3	37.1	39.6	36.6	38.9	38.6
50,000 to 99,999 lb	S	S	S	22.1	S	S	S	–	–	–
100,000 lb or more	S	S	S	22.4	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**24.4**	**49.8**	**S**	**14.4**	**46.8**	**48.4**	**S**	**42.8**	**47.7**	**42.4**
Less than 50 lb	30.1	29.9	39.0	13.4	39.1	S	S	32.2	32.8	33.4
50 to 99 lb	S	47.0	S	40.9	S	S	S	S	S	S
100 to 499 lb	41.5	41.4	44.6	S	S	48.9	48.0	S	S	S
500 to 749 lb	41.0	S	43.5	S	S	S	S	49.6	S	S
750 to 999 lb	S	S	42.9	S	S	S	S	S	S	S
1,000 to 9,999 lb	45.4	S	40.9	S	S	S	S	S	S	S
10,000 to 49,999 lb	37.8	40.1	S	24.6	S	S	38.2	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	22.8	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	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**6.3**	**19.4**	**20.5**	**6.9**	**26.2**	**32.5**	**5.2**	**7.5**	**7.9**	**4.5**	**34.4**	**33.4**
Less than 50 lb	10.6	12.3	11.1	9.6	10.8	10.7	5.3	5.8	6.2	5.9	5.1	5.2
50 to 99 lb	27.3	23.2	23.4	17.3	8.1	7.8	12.4	9.9	10.0	13.2	7.9	8.0
100 to 499 lb	14.7	13.3	15.1	14.3	7.3	7.8	7.3	8.1	8.3	11.0	8.9	8.9
500 to 749 lb	42.4	19.5	23.6	22.3	15.5	18.4	40.4	15.3	17.7	24.5	14.5	15.0
750 to 999 lb	17.9	15.0	17.3	17.9	15.2	15.3	24.6	17.3	17.5	36.4	14.7	14.0
1,000 to 9,999 lb	8.4	11.2	11.8	14.7	9.1	9.8	12.8	8.7	8.8	8.4	7.9	7.7
10,000 to 49,999 lb	7.1	20.5	24.0	11.5	10.4	10.0	8.5	9.4	9.3	8.5	9.3	9.2
50,000 to 99,999 lb	22.2	49.5	41.2	24.0	S	S	30.1	31.8	31.9	33.1	36.7	36.5
100,000 lb or more	31.1	48.1	S	35.4	37.2	40.0	S	28.0	28.2	30.7	S	S
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
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 02, Cereal grains	**–**	**–**	**–**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 03, Other agricultural products	**27.1**	**37.4**	**38.8**	**S**	**S**	**S**	**45.0**	**44.5**	**44.7**	**S**	**S**	**49.6**
Less than 50 lb	S	46.7	47.6	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	41.9	45.7	S	S	S	S	S	S	–	–	–
100 to 499 lb	48.6	44.9	45.9	S	S	S	S	S	S	S	S	S
500 to 749 lb	49.1	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	43.0	41.0	41.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	48.9	48.7	48.9	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**33.6**	**33.4**	**30.1**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	49.8	S	46.5	47.1	47.9	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	32.8	35.7	36.4	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	45.1	32.9	34.5	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	47.3	–	–	–	–	–	–	–	–	–
SCTG 05, Meat, fish, seafood, and their preparations	**15.0**	**21.2**	**25.1**	**27.9**	**39.8**	**38.6**	**26.7**	**30.1**	**30.2**	**33.2**	**27.0**	**27.2**
Less than 50 lb	43.1	40.0	42.7	S	S	S	S	S	S	S	S	S
50 to 99 lb	37.5	41.2	41.4	47.9	46.1	45.2	S	S	S	S	S	S
100 to 499 lb	30.4	28.8	29.1	S	49.8	S	46.3	38.3	39.2	S	S	S
500 to 749 lb	27.7	30.9	30.3	S	S	S	S	S	S	S	S	S
750 to 999 lb	36.9	31.9	34.2	44.4	41.1	42.7	S	S	S	S	S	S
1,000 to 9,999 lb	21.0	19.9	20.8	49.1	48.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	31.6	44.2	49.1	S	S	S	33.7	36.3	36.1	35.3	36.2	36.8
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**28.4**	**29.0**	**28.5**	**26.8**	**37.3**	**37.2**	**29.7**	**43.4**	**44.6**	**27.4**	**23.8**	**23.1**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	35.5	33.0	31.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	39.3	38.4	49.1	44.5	43.2	S	S	S	S	S	S
1,000 to 9,999 lb	41.8	39.2	37.0	36.4	41.6	41.8	39.2	43.3	45.5	S	S	S
10,000 to 49,999 lb	26.4	31.4	30.0	30.9	45.9	45.5	35.6	S	S	26.7	23.7	22.9
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 07, Other prepared foodstuffs and fats and oils	**12.5**	**17.6**	**19.0**	**17.4**	**20.2**	**21.4**	**21.6**	**32.1**	**33.0**	**23.7**	**21.8**	**21.5**
Less than 50 lb	S	S	S	S	S	S	S	S	S	47.1	42.1	42.4
50 to 99 lb	S	35.8	36.4	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.0	S	S	S	38.5	40.0	35.9	41.3	43.7	S	S	S
500 to 749 lb	44.1	S	S	38.8	34.2	35.1	S	41.2	40.8	42.5	43.1	43.5
750 to 999 lb	43.1	S	S	47.1	S	S	S	S	S	S	45.8	45.0
1,000 to 9,999 lb	29.0	39.6	42.0	23.8	24.1	24.5	S	34.0	36.5	S	40.5	37.4
10,000 to 49,999 lb	14.4	15.9	16.3	20.6	20.9	22.0	26.2	34.1	34.7	21.2	24.9	24.5
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 08, Alcoholic beverages	**38.5**	**44.0**	**44.6**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	40.6	44.6	45.2	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**S**	**48.3**	**48.6**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	44.7	46.3	S	43.9	43.3	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	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	48.6	48.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**32.7**	**30.6**	**29.2**	**36.0**	**38.7**	**40.6**	**49.1**	**S**	**S**	**43.1**	**42.8**	**43.1**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	42.9	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	28.9	35.4	33.8	33.6	36.6	37.8	33.7	43.3	49.2	S	S	S
500 to 749 lb	30.9	42.0	40.4	41.2	S	S	S	S	S	S	S	S
750 to 999 lb	46.7	42.0	43.1	44.5	48.3	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	48.7	45.6	40.2	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	49.6	44.9	44.5	S	S	S	S	S	S	43.1	41.6	41.8
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**39.6**	**43.2**	**43.1**	**42.9**	**S**	**S**	**S**	**S**	**S**	**S**	**48.3**	**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
750 to 999 lb	–	–	–	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	48.1	49.5	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	45.6	44.5	44.3	S	48.1	44.4	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**S**	**46.4**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**31.4**	**31.6**	**30.9**	**25.7**	**30.2**	**28.6**	**38.3**	**25.7**	**24.6**	**46.5**	**28.6**	**28.8**
Less than 50 lb	S	S	S	–	–	–	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	41.7	38.0	38.7	S	S	S	S	S	S	49.7	43.5	43.5
10,000 to 49,999 lb	39.9	37.6	36.8	38.5	44.8	44.5	S	32.4	30.1	S	34.4	34.5
50,000 to 99,999 lb	46.3	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	41.9	S	47.4	47.3	47.3	47.3	S	S	S	S	S	49.6

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	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	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**37.7**	**31.3**	**30.7**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	49.4	49.0	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	39.5	42.7	41.8	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	48.4	49.0	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	40.4	43.5	45.2	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**38.7**	**44.8**	**48.5**	**S**	**S**	**S**	**S**	**S**	**S**	**49.8**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S	S	S	S
100 to 499 lb	45.3	39.6	40.0	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	42.8	43.0	44.7	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 20, Basic chemicals	**28.2**	**26.9**	**28.6**	**27.4**	**34.8**	**35.7**	**19.6**	**26.2**	**27.4**	**23.7**	**42.3**	**42.6**
Less than 50 lb	29.2	26.9	25.0	33.3	25.7	25.8	33.0	38.2	36.7	31.9	30.2	29.7
50 to 99 lb	40.3	36.8	31.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.3	27.4	28.7	35.8	30.9	32.4	36.7	25.9	26.0	42.6	S	S
500 to 749 lb	49.1	39.5	38.2	S	37.8	39.3	S	36.9	37.7	S	S	S
750 to 999 lb	S	S	S	40.4	S	S	48.7	S	S	S	S	S
1,000 to 9,999 lb	28.1	33.6	33.2	31.3	40.8	42.6	21.7	31.7	31.1	35.6	48.9	S
10,000 to 49,999 lb	31.9	29.4	28.8	43.8	48.1	S	28.2	36.5	38.2	42.5	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	37.8	38.3	49.8	S	49.7	S	S	S	–	–	–
SCTG 21, Pharmaceutical products	**S**	**S**	**47.1**	**36.8**	**40.1**	**39.7**	**36.8**	**42.7**	**40.6**	**33.8**	**26.1**	**25.6**
Less than 50 lb	42.1	S	S	40.7	S	49.1	27.7	30.6	31.7	35.1	36.6	36.0
50 to 99 lb	S	S	S	35.4	41.9	45.0	S	41.8	42.3	S	44.0	46.7
100 to 499 lb	S	S	47.7	S	S	S	42.3	32.3	34.6	S	S	S
500 to 749 lb	39.8	39.5	40.5	S	S	S	S	S	S	43.4	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	35.8	37.3	S	48.2	49.9	S	S	S	S	47.9	47.3
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–

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	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–	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	–	–	–	–	–	–	–	–	–	–	–	–
1,000 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	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**14.5**	**31.2**	**29.0**	**20.1**	**23.3**	**23.8**	**22.3**	**36.3**	**37.8**	**22.4**	**29.9**	**30.8**
Less than 50 lb	26.1	23.9	23.3	25.9	33.6	32.3	34.8	44.6	48.9	41.8	18.0	17.9
50 to 99 lb	28.2	44.0	47.4	S	21.9	22.1	39.9	26.3	26.7	42.1	27.8	26.3
100 to 499 lb	19.7	21.0	22.9	29.4	S	S	31.4	S	S	33.4	S	S
500 to 749 lb	40.2	44.0	S	39.0	S	S	S	S	S	S	S	S
750 to 999 lb	27.7	25.2	27.3	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.5	20.5	19.7	37.9	35.9	35.4	42.2	29.3	29.7	24.0	34.7	35.2
10,000 to 49,999 lb	25.7	45.3	42.3	20.2	22.3	21.4	38.4	47.5	48.7	31.3	35.0	36.0
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**8.3**	**S**	**S**	**13.4**	**15.5**	**15.5**	**10.2**	**14.0**	**14.3**	**8.6**	**15.9**	**15.6**
Less than 50 lb	21.9	33.8	36.5	16.2	33.9	34.2	25.9	22.4	22.4	17.4	22.3	22.3
50 to 99 lb	28.2	33.4	32.2	27.7	39.0	38.6	23.0	S	S	30.6	33.6	35.7
100 to 499 lb	18.8	27.7	26.0	31.4	36.4	33.8	16.3	43.1	46.1	22.2	43.0	43.0
500 to 749 lb	23.9	23.4	27.6	33.1	S	S	45.4	22.1	22.3	37.7	S	S
750 to 999 lb	29.6	45.8	46.0	24.2	37.5	35.3	44.8	47.3	S	26.2	19.9	20.1
1,000 to 9,999 lb	10.3	17.0	13.1	14.3	15.8	16.9	21.3	20.6	19.9	15.8	18.7	18.7
10,000 to 49,999 lb	18.9	24.5	26.6	21.4	21.3	20.7	16.2	21.8	22.5	14.9	20.0	19.6
50,000 to 99,999 lb	47.0	45.1	43.4	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 25, Logs and other wood in the rough	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	S	S	S	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 26, Wood products	**10.4**	**13.5**	**13.7**	**13.9**	**16.6**	**15.8**	**14.5**	**21.1**	**21.4**	**23.5**	**30.6**	**29.2**
Less than 50 lb	34.8	32.5	35.9	S	S	S	S	46.6	49.4	37.4	44.2	49.2
50 to 99 lb	24.6	23.4	24.1	33.9	27.8	29.7	S	45.4	49.2	46.6	45.7	45.0
100 to 499 lb	24.3	20.3	18.5	21.8	23.2	23.8	43.9	27.8	28.1	31.0	29.4	31.1
500 to 749 lb	33.3	S	S	29.8	42.9	41.6	33.5	33.2	31.0	S	S	S
750 to 999 lb	32.5	30.5	28.5	48.7	46.6	45.7	47.9	47.9	49.1	S	46.2	48.2
1,000 to 9,999 lb	26.1	21.0	23.0	35.5	17.4	17.1	16.9	29.5	30.4	30.2	34.2	34.4
10,000 to 49,999 lb	15.3	22.6	23.3	19.2	23.0	22.6	23.9	29.5	31.2	35.2	36.1	35.7
50,000 to 99,999 lb	20.0	16.8	16.4	30.2	21.8	22.4	41.4	45.5	45.1	S	S	S
100,000 lb or more	S	S	S	22.8	22.4	22.9	27.4	26.5	25.8	26.9	27.9	28.0
SCTG 27, Pulp, newsprint, paper, and paperboard	**17.8**	**17.9**	**15.7**	**19.9**	**17.0**	**16.6**	**12.9**	**15.1**	**14.4**	**14.9**	**14.9**	**14.0**
Less than 50 lb	32.5	33.0	30.6	34.0	37.0	34.2	32.8	38.4	41.1	45.5	35.3	36.1
50 to 99 lb	S	S	S	S	S	S	48.4	S	S	44.5	35.6	35.2
100 to 499 lb	38.2	32.2	31.9	44.6	31.8	31.9	30.7	24.8	24.4	35.8	34.5	35.2
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	43.9	43.5
750 to 999 lb	S	41.1	39.9	S	S	S	S	S	49.5	39.7	37.1	37.0
1,000 to 9,999 lb	27.1	25.9	26.6	29.1	40.1	41.7	33.7	33.5	32.5	27.7	28.4	29.1
10,000 to 49,999 lb	20.4	21.9	18.6	26.4	20.2	18.7	12.1	12.8	11.6	20.3	19.8	19.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	37.0	33.9	36.1	33.7	33.5	36.8	37.9	36.8	35.9	17.0	17.5	18.7
SCTG 28, Paper or paperboard articles	**14.9**	**12.9**	**15.3**	**18.3**	**22.6**	**23.1**	**19.9**	**18.3**	**18.5**	**17.6**	**20.2**	**19.8**
Less than 50 lb	26.9	25.2	25.9	26.3	26.9	27.1	33.3	23.1	22.9	25.1	21.0	20.8
50 to 99 lb	29.9	30.0	27.2	39.1	S	S	47.7	S	S	S	S	S
100 to 499 lb	45.3	25.8	25.9	38.7	37.8	39.9	38.0	36.5	33.2	31.1	33.3	32.6
500 to 749 lb	31.5	21.1	19.9	33.4	31.8	33.7	S	47.0	47.7	34.9	42.5	43.1
750 to 999 lb	29.4	27.4	28.9	45.2	43.6	44.4	S	S	S	31.5	35.7	35.9
1,000 to 9,999 lb	20.2	19.2	19.7	21.0	19.0	17.4	29.6	34.0	37.9	27.6	42.6	42.9
10,000 to 49,999 lb	21.8	17.3	19.5	25.8	26.4	27.1	25.4	19.0	18.5	21.3	20.0	19.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**24.4**	**16.3**	**17.4**	**23.2**	**14.2**	**12.6**	**19.9**	**18.9**	**18.4**	**15.0**	**15.4**	**15.4**
Less than 50 lb	27.7	17.9	19.3	47.0	38.4	39.0	20.4	15.9	16.0	26.5	21.4	21.2
50 to 99 lb	38.6	21.0	24.0	S	38.1	43.7	30.2	29.6	29.4	32.1	26.1	27.0
100 to 499 lb	S	37.4	41.3	40.1	33.3	34.0	35.1	35.2	31.6	27.8	29.1	29.5
500 to 749 lb	S	35.5	38.1	33.9	33.4	31.6	S	S	S	S	S	S
750 to 999 lb	29.1	40.1	43.4	S	S	S	46.9	S	S	S	45.4	46.3
1,000 to 9,999 lb	49.7	28.6	25.3	30.3	22.9	21.2	23.8	20.3	21.5	43.1	25.8	25.0
10,000 to 49,999 lb	17.2	17.6	17.5	37.5	30.2	27.4	34.2	22.6	22.8	28.4	32.8	33.0
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**11.8**	**17.5**	**18.9**	**21.0**	**14.7**	**14.9**	**11.9**	**10.6**	**10.5**	**15.3**	**21.7**	**21.9**
Less than 50 lb	33.1	28.5	28.9	40.7	39.1	39.5	20.3	23.3	24.2	12.1	11.7	12.1
50 to 99 lb	16.1	13.0	13.8	21.8	22.2	24.8	23.0	20.1	21.0	21.5	19.9	19.4
100 to 499 lb	12.8	19.3	17.5	21.8	15.2	15.9	18.6	20.4	20.7	27.3	23.5	24.8
500 to 749 lb	27.9	19.2	19.9	S	49.9	S	37.5	31.7	32.5	35.7	38.1	38.9
750 to 999 lb	22.5	32.2	32.1	27.6	25.9	23.6	27.8	28.5	29.1	26.2	24.9	26.4
1,000 to 9,999 lb	12.9	11.4	11.5	21.0	17.1	18.5	19.1	16.2	16.4	29.6	34.7	33.7
10,000 to 49,999 lb	16.8	14.2	15.9	24.5	17.7	18.3	19.3	21.6	20.7	32.2	29.2	29.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 31, Nonmetallic mineral products	**24.7**	**S**	**S**	**19.7**	**27.1**	**27.3**	**28.3**	**S**	**S**	**20.9**	**39.7**	**39.7**
Less than 50 lb	S	S	48.0	29.5	38.4	40.8	S	35.3	36.4	36.3	38.1	38.2
50 to 99 lb	40.2	37.3	38.5	37.9	S	S	47.0	S	S	34.7	S	S
100 to 499 lb	25.0	23.7	23.9	33.6	37.4	36.6	32.2	29.8	33.3	32.5	33.1	33.6
500 to 749 lb	37.3	32.0	31.8	49.6	S	S	S	47.0	45.0	S	S	S
750 to 999 lb	S	40.4	35.4	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	22.7	46.6	45.4	37.5	31.5	34.2	26.3	S	S	40.3	41.1	40.9
10,000 to 49,999 lb	37.5	S	S	32.6	32.7	32.7	29.0	S	S	47.1	45.8	45.7
50,000 to 99,999 lb	35.0	37.3	36.3	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 32, Base metal in primary or semifinished forms and in finished basic shapes	**9.5**	**19.8**	**20.9**	**24.3**	**27.7**	**28.6**	**33.7**	**29.4**	**29.3**	**32.3**	**S**	**S**
Less than 50 lb	31.4	32.8	31.8	23.8	28.5	30.7	29.2	28.2	29.4	31.9	20.8	20.5
50 to 99 lb	20.7	25.5	26.5	39.3	38.1	38.2	30.9	38.1	35.9	27.1	31.5	30.0
100 to 499 lb	15.5	15.3	13.9	45.0	32.5	32.1	29.3	22.7	23.3	39.3	31.4	31.4
500 to 749 lb	43.9	33.6	36.3	S	32.1	33.8	43.3	44.3	42.9	S	32.2	31.9
750 to 999 lb	S	S	S	41.2	S	47.0	43.1	44.1	44.9	S	47.6	46.3
1,000 to 9,999 lb	10.1	15.5	15.8	25.6	30.7	27.6	21.8	26.8	26.4	20.2	25.9	26.0
10,000 to 49,999 lb	12.0	19.7	21.5	30.8	40.1	37.6	40.3	41.9	41.7	19.9	30.5	30.3
50,000 to 99,999 lb	33.5	45.3	S	46.1	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	45.9	S	S
SCTG 33, Articles of base metal	**16.6**	**19.8**	**19.7**	**16.7**	**22.3**	**23.0**	**18.1**	**35.6**	**34.7**	**19.3**	**17.6**	**17.4**
Less than 50 lb	16.4	22.5	29.7	22.8	27.4	26.5	28.4	35.6	36.2	27.2	25.1	24.9
50 to 99 lb	20.8	25.6	23.7	29.6	30.8	30.4	29.9	40.6	39.8	41.4	27.7	27.4
100 to 499 lb	26.2	26.2	26.3	25.6	24.2	25.4	40.4	36.6	33.3	21.0	30.4	29.9
500 to 749 lb	26.8	28.9	30.4	29.2	38.3	36.4	29.5	35.0	34.2	37.1	30.5	30.2
750 to 999 lb	35.6	32.7	30.3	S	S	S	46.2	33.7	34.8	32.8	41.7	40.0
1,000 to 9,999 lb	21.2	22.4	22.4	24.3	30.1	33.1	46.2	32.1	36.1	36.4	30.6	30.6
10,000 to 49,999 lb	37.2	28.0	28.5	38.5	42.4	44.2	19.6	27.9	27.3	30.5	31.2	30.5
50,000 to 99,999 lb	46.1	46.4	48.0	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 34, Machinery	**15.8**	**17.5**	**18.0**	**26.7**	**25.6**	**25.9**	**18.0**	**36.8**	**33.8**	**18.5**	**23.1**	**23.9**
Less than 50 lb	33.5	25.4	27.6	22.5	33.4	29.2	19.9	18.6	18.6	15.2	21.1	21.1
50 to 99 lb	44.9	29.5	29.2	22.8	32.6	33.1	38.5	S	S	32.8	28.6	28.8
100 to 499 lb	20.3	19.6	18.4	18.3	20.3	21.6	26.3	26.6	27.4	39.6	20.1	19.2
500 to 749 lb	S	31.4	29.2	25.1	30.4	32.5	S	40.3	37.4	35.6	30.7	30.3
750 to 999 lb	S	27.4	27.1	39.8	35.1	35.2	41.9	41.0	40.7	S	35.2	33.9
1,000 to 9,999 lb	19.9	26.5	28.6	24.6	22.1	20.3	33.7	28.1	28.1	26.0	29.0	27.0
10,000 to 49,999 lb	38.5	43.9	44.2	45.3	38.7	38.8	47.0	S	S	26.5	39.2	43.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**15.6**	**16.5**	**16.1**	**15.9**	**22.2**	**19.1**	**18.9**	**16.3**	**16.9**	**14.3**	**13.5**	**13.4**
Less than 50 lb	13.6	9.6	9.8	22.5	15.5	16.7	18.3	21.1	26.0	15.6	11.8	11.8
50 to 99 lb	23.5	12.9	14.1	36.6	23.1	22.9	24.6	22.3	21.8	29.4	19.1	21.3
100 to 499 lb	27.7	37.7	41.4	23.9	35.6	39.3	25.9	35.9	36.8	25.6	24.4	25.1
500 to 749 lb	S	S	S	40.7	21.0	21.7	S	S	S	49.9	24.1	24.7
750 to 999 lb	S	33.0	36.9	S	26.0	27.3	S	33.6	34.8	36.3	30.5	30.7
1,000 to 9,999 lb	22.0	19.8	20.2	43.0	16.6	18.7	42.4	20.0	21.5	27.0	20.4	20.1
10,000 to 49,999 lb	28.6	30.4	29.9	44.8	46.8	43.0	S	41.6	39.4	38.8	25.4	26.1
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 36, Motorized and other vehicles (including parts)	**19.8**	**21.3**	**23.0**	**24.2**	**30.5**	**28.3**	**19.2**	**17.1**	**17.6**	**36.6**	**33.7**	**33.3**
Less than 50 lb	S	31.0	30.5	42.8	30.4	27.6	32.1	26.5	27.1	39.5	34.0	34.0
50 to 99 lb	31.1	S	S	S	S	S	37.0	44.3	46.9	48.6	39.8	35.1
100 to 499 lb	28.6	17.4	17.5	36.6	31.4	31.4	34.0	31.4	33.1	S	45.1	43.4
500 to 749 lb	45.7	35.3	38.7	33.9	29.4	29.3	35.7	27.6	25.5	25.3	26.3	25.8
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	37.3	28.4	31.3	31.9	44.6	46.7	22.1	26.8	27.3	S	44.9	43.5
10,000 to 49,999 lb	39.6	36.3	38.9	S	S	S	27.2	23.9	24.9	29.0	33.7	35.2
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**26.4**	**31.7**	**36.6**	**24.9**	**45.1**	**47.3**	**41.9**	**41.6**	**42.5**	**21.3**	**43.5**	**44.7**
Less than 50 lb	36.6	33.3	31.3	46.6	46.3	42.5	32.0	47.0	47.2	32.5	35.2	37.5
50 to 99 lb	S	34.8	35.6	S	48.5	S	S	S	S	S	S	S
100 to 499 lb	41.3	S	S	S	S	S	S	S	S	S	48.6	47.7
500 to 749 lb	45.0	S	S	S	45.4	48.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	46.4	48.7	S	S	S	S	S	S	S
1,000 to 9,999 lb	44.8	S	S	S	S	S	S	S	S	39.3	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**16.5**	**17.3**	**17.4**	**21.4**	**18.9**	**18.8**	**18.2**	**38.7**	**38.4**	**14.9**	**16.2**	**15.9**
Less than 50 lb	22.3	14.5	15.1	21.7	17.0	16.4	17.4	13.1	12.9	14.9	13.1	12.8
50 to 99 lb	34.0	28.5	28.2	36.6	44.4	42.4	S	24.7	24.3	47.0	20.4	19.2
100 to 499 lb	24.2	19.9	19.5	39.9	24.0	23.6	34.8	25.8	25.7	30.6	24.9	24.2
500 to 749 lb	42.0	37.6	36.4	S	39.2	41.3	43.4	45.3	41.8	36.3	42.2	42.4
750 to 999 lb	43.5	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.5	25.7	23.3	38.4	29.1	30.0	S	36.2	36.5	S	S	S
10,000 to 49,999 lb	48.5	39.5	40.9	S	S	S	44.4	46.8	46.4	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	**20.2**	**19.9**	**20.6**	**18.6**	**18.9**	**19.1**	**26.3**	**28.4**	**29.2**	**31.9**	**24.0**	**24.7**
Less than 50 lb	39.0	38.2	34.4	27.2	31.0	30.7	43.0	37.9	37.1	S	S	S
50 to 99 lb	S	29.1	26.3	49.9	42.5	44.8	33.9	29.6	32.2	S	S	S
100 to 499 lb	27.4	21.1	21.5	25.5	27.1	28.2	38.9	39.4	38.4	29.0	27.3	27.9
500 to 749 lb	32.4	39.8	43.3	43.9	36.2	37.8	49.7	44.9	47.2	S	S	S
750 to 999 lb	28.0	35.4	35.4	48.5	37.0	38.3	S	S	S	S	30.8	31.6
1,000 to 9,999 lb	24.7	30.7	30.6	22.0	24.8	25.0	34.1	31.5	32.8	45.1	36.3	37.0
10,000 to 49,999 lb	23.9	32.2	33.6	37.0	35.6	34.4	S	40.8	42.0	37.6	32.7	34.8
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**9.8**	**37.6**	**31.6**	**21.9**	**38.8**	**34.9**	**11.2**	**18.4**	**18.4**	**11.7**	**17.2**	**17.8**
Less than 50 lb	11.2	14.6	13.9	12.1	13.0	13.0	13.0	16.0	16.2	12.7	11.8	11.7
50 to 99 lb	23.8	35.4	38.9	39.8	20.3	19.8	33.8	24.7	24.7	40.2	17.7	17.4
100 to 499 lb	20.4	25.1	24.4	38.6	11.7	11.9	17.8	17.2	17.7	19.6	24.2	23.9
500 to 749 lb	19.6	23.9	22.2	S	49.6	S	34.1	31.2	32.3	26.7	27.3	28.1
750 to 999 lb	36.8	33.4	34.8	S	S	S	40.6	38.2	38.7	30.4	34.0	33.4
1,000 to 9,999 lb	22.6	21.3	18.2	21.1	19.8	20.9	22.1	22.8	21.8	24.6	31.3	29.7
10,000 to 49,999 lb	20.5	S	45.2	S	45.2	43.0	S	38.0	37.1	48.0	20.1	20.6
50,000 to 99,999 lb	S	47.5	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 41, Waste and scrap	**38.2**	**S**	**S**	**24.0**	**23.8**	**24.1**	**S**	**S**	**S**	**47.2**	**41.8**	**S**
Less than 50 lb	S	S	S	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.7	S	S	28.9	24.7	24.5	S	S	S	33.2	31.4	34.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	45.4	36.9	37.2	44.2	47.3	49.0	S	S	S	S	S	S
SCTG 43, Mixed freight	**19.1**	**23.7**	**22.8**	**40.3**	**38.3**	**38.9**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	32.1	32.2	S	S	S	48.7	40.8	42.9	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	39.5	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	42.8	42.7	–	–	–	–	–	–	S	S	S
750 to 999 lb	46.9	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	22.0	25.4	23.2	45.3	45.7	45.7	–	–	–	S	S	S
10,000 to 49,999 lb	41.6	41.1	39.1	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**37.1**	**S**	**S**	**27.3**	**48.7**	**48.2**	**35.1**	**S**	**S**	**35.6**	**S**	**S**
Less than 50 lb	32.7	33.9	33.5	S	S	S	43.6	47.0	42.9	S	39.6	39.5
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.7	44.2	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	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	44.0	S	S	47.4	S	S	S	S	S
10,000 to 49,999 lb	41.9	S	S	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	S	S	S

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	**5.8**	**6.4**	**6.7**	**11.1**	**36.2**	**40.1**	**10.0**	**11.0**	**11.4**
Less than 50 lb	14.1	6.4	6.5	18.1	5.7	5.6	16.9	7.3	6.8
50 to 99 lb	17.9	12.6	12.2	13.2	11.0	10.9	15.0	14.7	14.9
100 to 499 lb	22.3	9.3	9.3	34.1	14.2	14.4	14.3	7.4	7.6
500 to 749 lb	11.3	9.5	9.9	25.0	34.1	34.2	26.5	8.8	9.0
750 to 999 lb	27.9	14.0	14.2	34.5	22.9	22.7	S	S	S
1,000 to 9,999 lb	9.3	8.0	7.9	14.3	15.5	15.7	13.4	21.9	20.7
10,000 to 49,999 lb	9.7	8.8	9.4	15.9	14.3	13.9	15.4	13.4	13.2
50,000 to 99,999 lb	32.3	48.7	45.1	46.5	41.5	41.3	42.0	39.6	38.3
100,000 lb or more	16.2	20.0	18.6	49.2	S	S	S	33.3	33.4
SCTG 01, Live animals and live fish	**–**	**–**	**–**	**–**	**–**	**–**	**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	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 02, Cereal grains	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 03, Other agricultural products	**S**	**S**	**S**	**49.7**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 04, Animal feed and products of animal origin, n.e.c.	**S**	**S**	**S**	**S**	**47.0**	**46.8**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S
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	46.7	48.9	48.8
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**32.9**	**40.6**	**40.6**	**22.5**	**23.8**	**24.2**	**27.9**	**43.0**	**42.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	43.2	S	S	32.6	38.6	39.2	39.9	46.9	46.9
10,000 to 49,999 lb	39.2	35.9	35.5	44.5	40.8	40.7	37.9	47.1	45.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**32.8**	**33.6**	**34.4**	**S**	**S**	**S**	**41.5**	**39.1**	**39.4**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	46.6	44.6	44.4	S	S	S	S	S	S
10,000 to 49,999 lb	42.7	41.3	42.7	42.7	48.0	48.6	29.9	26.5	26.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**25.2**	**20.6**	**20.3**	**S**	**49.9**	**41.4**	**30.3**	**32.0**	**31.6**
Less than 50 lb	S	S	S	S	S	S	41.5	46.3	43.4
50 to 99 lb	S	S	S	S	S	S	49.3	46.2	45.9
100 to 499 lb	S	S	S	43.3	37.2	36.3	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	49.4	S	S
1,000 to 9,999 lb	S	44.8	44.9	43.5	43.1	43.0	S	43.1	43.5
10,000 to 49,999 lb	21.5	22.5	22.2	S	S	S	40.2	47.3	46.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 08, Alcoholic beverages	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 09, Tobacco products	**38.7**	**49.0**	**48.8**	**48.1**	**S**	**S**	**34.7**	**35.8**	**35.7**
Less than 50 lb	S	S	S	S	S	S	46.2	46.9	47.9
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	47.5	48.3	S	S	S	49.3	43.2	43.1
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	–	–	–	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**38.4**	**32.4**	**33.1**	**46.2**	**45.0**	**44.8**	**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	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	49.3	S	S	S	S	S
10,000 to 49,999 lb	44.3	47.7	49.9	S	49.9	49.8	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	49.5	49.5	49.2	–	–	–	–	–	–

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	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
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	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	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	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 20, Basic chemicals	**40.9**	**S**	**S**	**32.2**	**36.2**	**36.1**	**30.6**	**34.3**	**33.5**
Less than 50 lb	34.4	24.8	24.6	42.0	32.5	32.4	S	34.4	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	37.8	39.4	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	36.6	32.6	33.7	S	S	S	S	47.2	47.1
10,000 to 49,999 lb	S	S	S	44.2	43.9	43.7	43.5	36.6	35.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 21, Pharmaceutical products	**S**	**47.2**	**44.9**	**S**	**28.6**	**28.1**	**S**	**22.1**	**22.2**
Less than 50 lb	S	31.9	31.4	S	49.6	49.3	S	33.5	33.1
50 to 99 lb	S	S	S	S	S	S	47.4	44.2	44.1
100 to 499 lb	41.5	S	S	S	S	S	33.1	37.4	35.8
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	46.6	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**S**	**S**	**S**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	S	S	S	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**20.7**	**30.8**	**30.4**	**23.9**	**33.2**	**31.7**	**31.0**	**39.1**	**39.5**
Less than 50 lb	43.6	37.0	35.2	44.7	27.1	27.2	S	33.3	33.0
50 to 99 lb	23.3	20.1	20.8	40.1	33.2	32.6	S	37.7	37.9
100 to 499 lb	34.9	32.3	32.2	32.9	34.4	34.0	26.3	26.0	26.0
500 to 749 lb	40.2	44.2	41.7	S	S	S	46.5	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	34.1	39.7	37.8	S	35.2	34.1	43.2	24.1	24.1
10,000 to 49,999 lb	S	S	S	49.9	S	S	39.7	42.7	43.0
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 24, Plastics and rubber	**10.6**	**10.5**	**11.0**	**18.6**	**17.2**	**16.9**	**13.5**	**26.4**	**26.1**
Less than 50 lb	16.1	29.4	30.0	31.5	25.9	25.6	22.1	31.2	32.4
50 to 99 lb	S	36.6	36.9	S	38.0	36.9	S	S	S
100 to 499 lb	18.2	28.7	27.6	31.6	39.9	38.8	25.4	26.6	27.6
500 to 749 lb	24.2	26.0	25.2	18.2	20.9	20.8	35.8	21.0	20.5
750 to 999 lb	31.5	33.3	32.7	40.4	30.6	32.7	39.0	28.0	28.5
1,000 to 9,999 lb	15.2	16.5	17.6	35.0	28.1	29.0	27.8	S	S
10,000 to 49,999 lb	16.1	12.6	13.1	23.2	23.7	23.3	29.7	30.9	30.7
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–
SCTG 25, Logs and other wood in the rough	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 26, Wood products	**18.3**	**21.4**	**21.8**	**34.5**	**49.4**	**49.9**	**28.2**	**29.5**	**29.9**
Less than 50 lb	43.4	S	S	36.4	37.9	39.1	44.1	47.6	47.7
50 to 99 lb	46.8	S	S	S	42.9	44.3	40.6	42.4	41.3
100 to 499 lb	27.8	27.4	27.5	32.5	30.1	29.6	37.5	25.2	23.9
500 to 749 lb	50.0	38.3	35.7	41.9	42.6	43.3	S	S	S
750 to 999 lb	S	S	S	45.2	44.2	44.5	S	S	S
1,000 to 9,999 lb	29.1	47.3	48.2	S	S	S	S	46.7	47.7
10,000 to 49,999 lb	27.1	25.9	25.9	35.2	37.4	37.6	39.3	35.6	35.2
50,000 to 99,999 lb	44.2	36.6	39.1	S	S	S	S	S	S
100,000 lb or more	30.4	33.0	33.1	S	S	S	S	44.5	44.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**11.2**	**12.5**	**13.0**	**27.1**	**32.6**	**32.8**	**26.4**	**39.4**	**43.4**
Less than 50 lb	46.9	38.9	39.4	S	S	S	S	40.4	40.3
50 to 99 lb	43.7	38.1	38.2	S	S	S	38.7	41.1	42.1
100 to 499 lb	43.5	48.4	46.0	46.1	39.0	39.3	28.0	28.4	28.8
500 to 749 lb	S	44.9	43.8	S	S	S	S	S	S
750 to 999 lb	40.1	S	S	S	S	S	43.8	36.8	36.2
1,000 to 9,999 lb	32.3	23.5	25.0	31.9	41.2	40.4	26.8	26.4	26.5
10,000 to 49,999 lb	16.2	16.0	17.6	34.2	38.8	39.0	39.3	30.0	31.3
50,000 to 99,999 lb	S	39.8	39.9	–	–	–	–	–	–
100,000 lb or more	18.9	19.1	19.9	S	S	S	S	S	S
SCTG 28, Paper or paperboard articles	**23.2**	**33.9**	**35.3**	**20.4**	**27.7**	**28.8**	**S**	**S**	**S**
Less than 50 lb	29.7	29.7	29.1	33.3	26.9	26.5	31.5	25.5	25.3
50 to 99 lb	37.0	S	49.5	S	45.7	44.7	S	34.8	34.7
100 to 499 lb	38.6	38.9	38.0	42.1	45.5	45.7	34.2	33.7	34.1
500 to 749 lb	49.2	S	S	S	S	S	S	S	S
750 to 999 lb	43.6	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	27.3	40.6	41.0	34.6	43.3	41.1	S	S	S
10,000 to 49,999 lb	33.0	38.5	40.2	44.0	40.8	42.7	23.0	29.7	29.8
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**14.5**	**14.1**	**13.8**	**22.6**	**29.8**	**28.6**	**33.6**	**15.6**	**15.7**
Less than 50 lb	24.8	19.3	19.5	23.4	21.8	21.4	46.2	23.8	23.3
50 to 99 lb	28.2	27.4	27.2	S	36.5	36.1	S	S	S
100 to 499 lb	39.8	47.0	46.5	48.7	42.2	43.9	27.6	31.2	31.3
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	41.5	32.4	32.2	S	S	S	47.1	45.3	45.1
1,000 to 9,999 lb	22.7	15.8	16.2	32.2	33.8	33.1	S	47.7	47.8
10,000 to 49,999 lb	26.4	27.7	27.8	S	S	S	49.1	36.8	36.6
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**9.9**	**15.8**	**15.6**	**14.4**	**21.5**	**21.5**	**10.9**	**14.5**	**16.5**
Less than 50 lb	16.0	16.0	16.3	14.6	16.7	16.7	13.6	15.5	15.3
50 to 99 lb	19.7	16.1	16.2	34.5	24.0	23.5	20.7	20.2	20.2
100 to 499 lb	17.6	17.7	17.6	21.0	21.8	21.9	19.7	19.6	19.4
500 to 749 lb	S	33.5	34.0	S	38.5	36.8	32.5	27.1	27.7
750 to 999 lb	25.5	30.0	28.7	33.5	38.8	39.3	22.8	16.3	16.2
1,000 to 9,999 lb	19.3	18.4	18.1	32.7	38.4	39.3	19.9	21.8	21.9
10,000 to 49,999 lb	34.0	29.7	29.4	S	47.2	45.0	43.3	26.2	30.9
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 31, Nonmetallic mineral products	**25.0**	**S**	**S**	**30.4**	**38.5**	**39.1**	**25.8**	**S**	**S**
Less than 50 lb	35.9	31.5	31.0	S	41.2	42.5	39.0	33.4	33.6
50 to 99 lb	42.4	36.3	35.7	S	S	S	37.6	39.6	38.9
100 to 499 lb	23.4	29.1	30.3	39.5	45.9	46.8	43.8	30.2	31.4
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	28.0	41.6	45.2	S	32.7	32.2	35.7	39.3	40.0
10,000 to 49,999 lb	46.5	39.1	38.7	S	S	S	41.6	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**23.0**	**25.1**	**28.5**	**29.3**	**S**	**S**	**37.5**	**44.2**	**43.9**
Less than 50 lb	27.0	31.3	32.0	30.2	35.9	36.3	S	25.4	25.1
50 to 99 lb	30.0	34.3	34.5	S	S	S	S	25.2	25.6
100 to 499 lb	27.8	26.6	26.4	40.3	37.7	37.0	40.5	26.0	25.9
500 to 749 lb	S	45.9	45.9	S	S	S	36.9	39.9	40.8
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.1	36.3	35.8	S	46.5	44.5	33.3	21.5	21.5
10,000 to 49,999 lb	28.0	29.2	27.9	37.4	48.3	S	48.5	38.9	38.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 33, Articles of base metal	**21.9**	**21.9**	**20.8**	**21.3**	**29.6**	**29.0**	**13.9**	**S**	**S**
Less than 50 lb	23.3	26.9	26.0	24.8	27.6	27.8	34.7	38.8	37.8
50 to 99 lb	28.7	27.2	27.1	S	34.3	34.3	28.8	34.5	34.6
100 to 499 lb	29.1	26.2	26.5	34.8	28.0	28.7	25.3	31.9	31.8
500 to 749 lb	42.3	32.7	33.0	42.0	43.8	45.4	26.4	40.1	39.0
750 to 999 lb	42.7	29.3	29.9	S	S	S	38.7	S	S
1,000 to 9,999 lb	28.9	25.7	26.3	S	S	S	30.8	23.6	23.4
10,000 to 49,999 lb	35.9	42.0	40.2	35.4	32.3	32.2	48.4	31.6	31.2
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 34, Machinery	**25.2**	**20.4**	**21.8**	**16.1**	**30.6**	**30.4**	**29.0**	**34.7**	**36.2**
Less than 50 lb	18.4	16.1	16.4	21.2	23.1	22.9	31.5	23.3	22.0
50 to 99 lb	40.5	35.9	34.7	36.4	30.2	31.0	S	43.4	42.1
100 to 499 lb	44.8	40.2	39.1	26.8	27.2	27.4	S	17.7	18.0
500 to 749 lb	S	32.0	32.4	S	35.4	34.8	37.1	40.4	39.6
750 to 999 lb	45.0	S	S	S	S	S	41.7	31.6	31.8
1,000 to 9,999 lb	S	26.7	26.9	29.2	44.7	44.8	26.6	22.2	22.8
10,000 to 49,999 lb	S	S	S	S	42.4	42.0	S	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 35, Electronic and other electrical equipment and components and office equipment	**19.5**	**16.6**	**16.7**	**22.6**	**27.2**	**26.7**	**14.0**	**11.8**	**11.8**
Less than 50 lb	15.2	14.8	15.0	38.2	15.9	15.7	15.4	20.0	20.4
50 to 99 lb	29.8	30.8	29.3	22.8	33.2	34.6	23.9	16.6	16.9
100 to 499 lb	S	42.1	42.7	27.1	39.3	39.6	25.7	16.7	16.4
500 to 749 lb	34.0	34.0	35.8	44.0	44.8	42.1	32.6	20.0	20.1
750 to 999 lb	S	38.1	38.4	42.5	36.2	37.2	S	34.7	35.6
1,000 to 9,999 lb	35.1	17.4	17.7	32.5	26.5	26.1	33.8	16.6	16.6
10,000 to 49,999 lb	30.7	22.4	22.8	S	S	S	47.8	35.3	36.2
50,000 to 99,999 lb	S	S	S	S	S	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	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)	**36.5**	**33.0**	**33.0**	**24.2**	**30.0**	**29.7**	**35.2**	**37.3**	**37.5**
Less than 50 lb	S	47.8	47.1	43.7	32.8	32.0	44.4	40.8	41.5
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	40.6	34.4	34.5	S	49.9	49.0	S	S	S
500 to 749 lb	S	S	S	S	43.7	42.6	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	38.2	50.0	49.2	39.7	38.2	38.4
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 37, Transportation equipment, n.e.c.	**32.1**	**22.4**	**22.2**	**36.8**	**S**	**S**	**37.9**	**31.1**	**30.6**
Less than 50 lb	39.2	44.2	44.8	48.8	49.7	S	30.7	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	48.9	48.8	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	41.6	46.4	45.3	S	S	48.9	S	42.5	42.1
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**17.0**	**15.7**	**15.8**	**27.0**	**48.2**	**48.3**	**28.5**	**18.7**	**18.8**
Less than 50 lb	14.6	16.5	16.5	39.0	20.4	19.9	42.8	11.6	11.5
50 to 99 lb	30.8	21.2	21.0	27.8	26.3	25.2	44.3	29.9	29.8
100 to 499 lb	38.3	29.3	29.8	41.3	34.5	36.0	24.1	25.3	25.0
500 to 749 lb	S	S	S	S	S	S	S	45.8	45.6
750 to 999 lb	S	46.7	46.7	S	S	S	S	49.0	49.1
1,000 to 9,999 lb	42.3	39.1	39.0	S	S	S	45.9	32.2	32.2
10,000 to 49,999 lb	–	–	–	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**26.6**	**21.1**	**20.9**	**35.8**	**30.9**	**31.0**	**21.7**	**24.9**	**29.2**
Less than 50 lb	38.4	S	S	40.9	35.2	34.2	S	S	S
50 to 99 lb	S	49.5	48.3	S	46.5	46.3	40.7	22.2	22.4
100 to 499 lb	31.3	33.9	35.2	24.7	23.4	22.9	32.1	29.9	29.3
500 to 749 lb	34.8	29.7	30.7	S	S	S	41.2	41.1	41.5
750 to 999 lb	S	43.9	43.6	S	S	S	S	S	S
1,000 to 9,999 lb	36.4	32.1	32.3	S	48.8	48.3	26.9	23.6	23.5
10,000 to 49,999 lb	38.5	24.0	23.9	S	44.4	43.6	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 40, Miscellaneous manufactured products	**7.3**	**15.1**	**16.2**	**16.4**	**S**	**S**	**14.6**	**39.6**	**36.6**
Less than 50 lb	13.2	12.2	12.5	9.4	11.2	11.1	14.5	11.6	11.6
50 to 99 lb	17.3	21.6	21.4	39.2	39.0	38.1	19.4	21.9	21.2
100 to 499 lb	21.3	23.0	23.2	32.1	36.8	37.9	31.2	15.5	17.1
500 to 749 lb	27.0	30.8	31.6	31.4	30.3	32.3	S	26.0	26.0
750 to 999 lb	22.5	19.0	19.1	S	S	S	44.3	28.5	28.8
1,000 to 9,999 lb	22.4	20.5	20.9	30.6	31.0	31.4	19.8	16.4	19.1
10,000 to 49,999 lb	40.3	35.3	34.8	S	S	S	S	33.2	34.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**49.0**	**40.8**	**41.7**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	S	S	S
10,000 to 49,999 lb	48.1	39.4	40.0	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 43, Mixed freight	**S**	**S**	**S**	**S**	**S**	**S**	**44.3**	**S**	**S**
Less than 50 lb	S	47.8	47.8	S	S	S	S	46.4	46.1
50 to 99 lb	–	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	–	–	–	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**42.5**	**S**	**S**	**S**	**S**	**S**	**47.1**	**S**	**S**
Less than 50 lb	32.4	29.0	29.1	36.0	37.7	39.2	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.6	43.9	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	43.7	43.5	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	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.

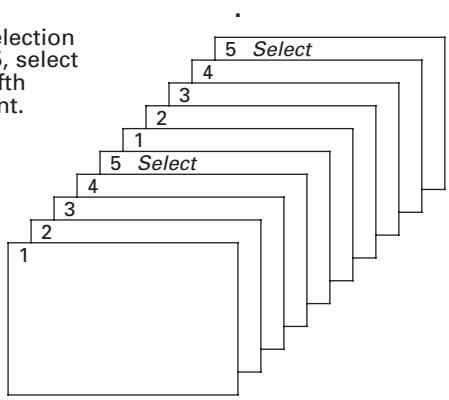
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

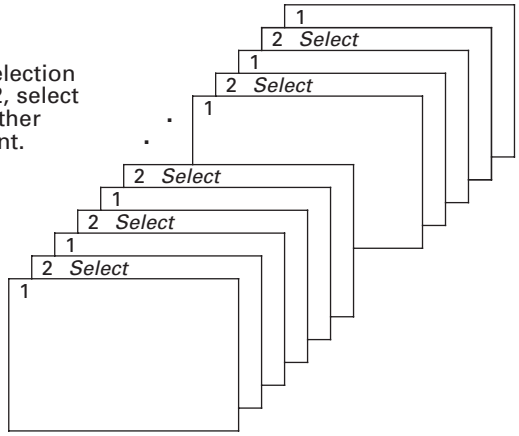
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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.

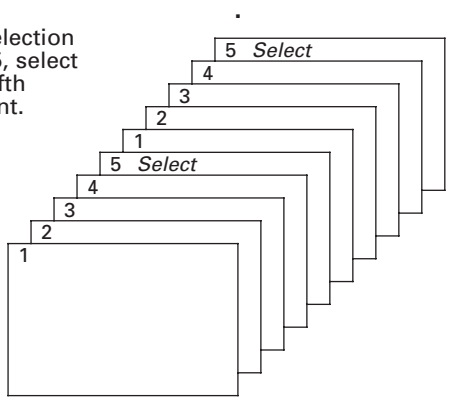
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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.

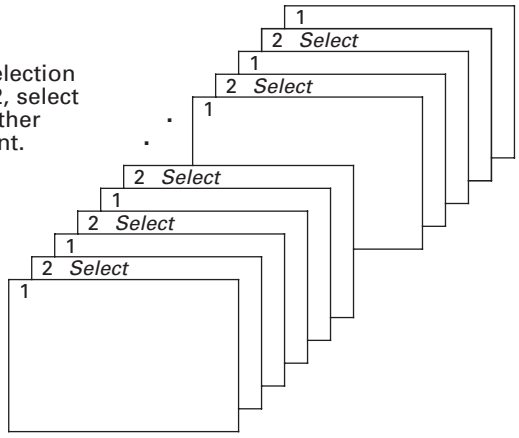
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

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								
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22								
23								
24								
25								
26								
27								
28								
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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).

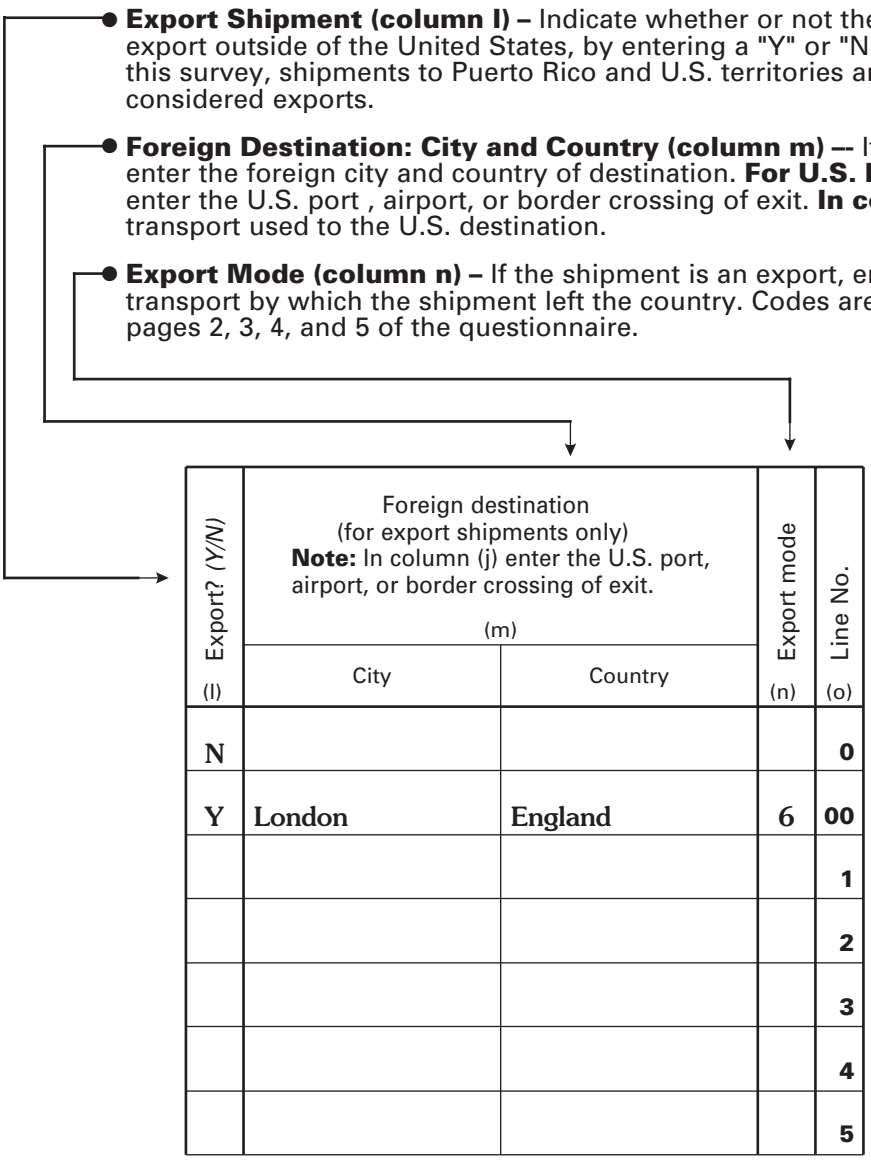
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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.