South Atlantic Division

1997

Issued April 2000

EC97TCF-DIV(5)

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

ECONOMIC CENSUS 1997

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Deputy Director

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Under Secretary
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Assistant Director
for Economic Programs

Carole A. Ambler,
Chief, Service Sector
Statistics Division



BUREAU OF TRANSPORTATION STATISTICS

Dr. Ashish Sen,
Director

Rick Kowalewski,
Deputy Director

Rolf R. Schmitt,
Associate Director for
Transportation Studies

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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

1997 Commodity Flow Survey

GENERAL

The 1997 Commodity Flow Survey (CFS) is undertaken through a partnership between the Bureau of the Census, U.S. Department of Commerce, and the Bureau of Transportation Statistics, U.S. Department of Transportation. This survey produces data on the movement of goods in the United States. It provides information on commodities shipped, their value, weight, and mode of transportation, as well as the origin and destination of shipments of manufacturing, mining, wholesale, and selected retail establishments. The CFS was last conducted in 1993. See the Comparability With the 1993 Commodity Flow Survey table (Appendix A) for a comparison between the 1997 and 1993 surveys. The data from the CFS are used by public policy analysts and for transportation planning and decision-making to assess the demand for transportation facilities and services, energy use, and safety risk and environmental concerns.

This report presents data for the four Census Regions and nine Census Divisions. Additional reports include data for the United States, states, and selected metropolitan areas, as well as selected data on exports and hazardous material shipments.

INDUSTRY COVERAGE

The 1997 CFS covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey coverage excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail.

The industries covered, as defined in the 1987 Standard Industrial Classification Manual (SIC), are listed in the following table:

SIC code	Title
10, ex. 108	Metal mining (excluding metal mining services)
12, ex. 124	Coal mining (excluding coal mining services)
13	Oil and gas extraction[1]
14, ex. 148	Mining and quarrying of nonmetallic minerals, except fuels (excluding nonmetallic minerals services)
20	Food and kindred products
21	Tobacco products
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27, ex. 279	Printing, publishing, and allied industries (excluding service industries for the printing trade)
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastics products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, except machinery and transportation equipment
35	Industrial and commercial machinery and computer equipment
36	Electronic and other electrical equipment and components, except computer equipment
37	Transportation equipment
38	Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39	Miscellaneous manufacturing industries
50	Wholesale trade—durable goods
51	Wholesale trade—nondurable goods
596	Catalog and mail-order houses

[1]We included establishments classified in SIC 13, Oil and Gas Extraction, in the initial coverage of the 1997 CFS. However, because of unresolved industry-wide reporting issues, we have removed shipments from these establishments from our 1997 CFS tabulations. The data collected from these establishments will be used as input to a special report at a later date.

Similarly, because establishments in SIC 13 are responsible for the overwhelming number of shipments classified in SCTG 16, Crude Petroleum, we have removed all shipments with SCTG 16 from the 1997 CFS publication results.

SHIPMENT COVERAGE

The CFS captures data on shipments originating from selected types of business establishments located in the 50 states and the District of Columbia. The data do not cover shipments originating from business establishments located in Puerto Rico and other U.S. possessions and territories. Shipments traversing the U.S. from a foreign location to another foreign location (e.g., from Canada to Mexico) are not included, nor are shipments from a foreign location to a U.S. location. Imported products are included in the CFS at the point that they left the importer's domestic location for shipment to another location. Shipments that are shipped through a foreign territory with both the origin and destination in the U.S. are included in the CFS data. The mileages calculated for these shipments exclude the international segments (e.g., shipments from New York to Michigan through Canada do not include any mileages for Canada). Export shipments are included, with the domestic destination defined as the port of exit from the U.S.

The "Industry Coverage" section of the text lists the SIC groups covered by the CFS. Other industry areas that are not covered, but may have significant shipping activity, include agriculture, government, and retail (other than warehouses and SIC 5961, Catalog and Mail-Order Houses). For agriculture specifically, this means that the CFS did not cover shipments of agricultural products from the farm site to the processing centers or terminal elevators (most likely short-distance local movements), but does cover the shipments of these products from the initial processing centers or terminal elevators onward.

MILEAGE CALCULATIONS

To compute shipment mileages for the 1997 CFS, The Center for Transportation Analysis (CTA) at Oak Ridge National Laboratory (ORNL) developed an integrated, intermodal transportation network modeling system. A secure data site was setup at ORNL to process census-supplied files containing data elements for individual CFS shipment records. Each record contained the ZIP Code of shipment origin and destination, and the mode or mode sequence reported. Each record also contained information on the type of commodity moved, its weight, dollar value and whether containerized or a hazardous material. Export shipments were also identified on the records, along with data on U.S. port of exit and foreign destination city and country. Encrypted data files were transmitted and returned from ORNL after processing, with turnaround of most files on a week-by-week basis. In this manner many shipment-specific data problems encountered by ORNL in their routing procedures were reported back to census in a timely fashion, allowing census to call back some shippers and thereby confirm, correct, or recover missing or otherwise unusable data. The ORNL system computed mileages, by mode, for all single modes and for any reported multimodal sequence. This was done for any origin-destination pair of domestic ZIP Code locations, and for any internal ZIP Code of origin, via U.S. export port, to foreign (export) destination. Mileages between origin-destination ZIP Code centroids were computed by finding the minimum impedance path over mathematical representations of the highway, rail, waterway, air, and pipeline networks and then summing the lengths of individual links on these paths. Impedance is computed as a weighted combination of distance, time, and cost factors.

The ORNL multimodal network database is composed of individual modal-specific networks representing each of the major transportation modes—highway, rail, waterway, air, and pipeline. The links of these specific modal networks are the representation of line-haul transportation facilities. The nodes represent intersections and interchanges, and the access points to the transportation network. To simulate local access, test links are created from each five-digit ZIP Code centroid to nearby nodes on the network. For the truck network, local access is assumed to exist everywhere. For the other modes this is not true. Before any test links are created for these modes, a search procedure is used to determine if and where such networks are most likely to provide access to the ZIP Code. For shipments involving more than one mode, such as truck-rail or rail-water shipments, intermodal transfer links are added to the network database for the purpose of connecting the individual modal networks together for routing purposes. An intermodal terminals database and a number of terminal transfer models were developed at ORNL to identify likely transfer points for different classes of freight. A measure of link impedance was calculated for each access, line-haul, and intermodal transfer link traversed by a shipment. These impedances were mode specific and are based on various link characteristics. For example, the set of link characteristics for the highway network included speed impacting factors, such as the presence of divided or undivided roadway, the degree of access control, rural or urban setting, type of pavement, number of lanes, degree of urban congestion, and length of the link. Link impedance measures are also assigned to the local access links. Intermodal transfer link impedances are estimated in terms of the time it takes to move goods through such a transfer. In the case of rail and air freight, intercarrier transfer penalties are also considered in order to obtain proper route selections. A minimum path algorithm is used to find the minimum impedance path between a shipment's origin ZIP Code centroid and destination ZIP Code centroid. The cumulative length of the local access plus line-haul links on this path provides the estimated shipment distance. When rail was involved these shipment distances may be averaged over more than one path between an origin-destination pair.

Mileage Data for Pipeline Shipments

In the tables, we do not show ton-miles or average miles per shipment for pipeline shipments. For most of these shipments, the respondents reported the shipment

destination as a pipeline facility on the main pipeline network. Therefore, for the majority of these shipments, the resulting mileage represented only the access distance through feeder pipelines to the main pipeline network, and not the actual distance through the main pipeline network. Pipeline shipments are included in the U.S. totals for ton-miles and average miles per shipment.

DISCLOSURE RULES

In accordance with Federal law governing Census Bureau reports, no data are published that would disclose the operations of an individual firm or establishment.

EXPLANATION OF TERMS

Average miles per shipment. For the 1993 CFS, we excluded shipments of STCC 27, Printed Matter, from our calculation of average miles per shipment. We made this decision after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term "shipment."

For the 1997 CFS, we made numerous efforts throughout our data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, we have included printed products in the average miles per shipment calculations for the 1997 CFS.

Commodity. Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment's operation. Respondents reported the description and the five-digit SCTG code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.

Distance shipped. In some tables, shipment data are presented for various "distance shipped" intervals. Shipments were categorized into these "distance shipped" intervals based on the great circle distance between their origin and destination ZIP Code centroids. All other distance-related data in this and other tables (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories. (See the "Mileage Calculations" section for more details.)

Great circle distance. The shortest distance between two points on the earth's surface.

Mode of transportation. The type of transportation used for moving the shipment to its domestic destination. For exports, the domestic destination was the port of exit.

Mode Definitions

In the instructions to the respondent, we defined the possible modes as follows:

1. **Parcel delivery/courier/U.S. Postal Service.** Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
2. **Private truck.** Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
3. **For-hire truck.** Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
4. **Railroad.** Any common carrier or private railroad.
5. **Shallow draft vessels.** Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
6. **Deep draft vessel.** Barges, ships, or ferries operating primarily in the open ocean. Shipping on the Great Lakes and the Saint Lawrence Seaway is classified with shallow draft vessels.
7. **Pipeline.** Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.
8. **Air.** Commercial or private aircraft, and all air service for shipments that typically weigh more than 100 pounds. Includes air freight and air express.
9. **Other mode.** Any mode not listed above.
10. **Unknown.** The shipment was not carried by a parcel delivery/courier/U.S. Postal Service, and the respondent could not determine what mode of transportation was used.

In the tables, we have used additional terms for mode, which we define as follows:

1. **Air (includes truck and air).** Shipments that used air or a combination of truck and air.
2. **Single modes.** Shipments using only one of the above-listed modes, except parcel or other and unknown.
3. **Multiple modes.** Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used:

   Private truck
   For-hire truck
   Rail
   Shallow draft vessel
   Deep draft vessel
   Pipeline

We did not allow for multiple modes in combination with "parcel, U.S. Postal Service or courier," "unknown," or "other." By their nature, these shipments may already include various kinds of multiple-mode activity. For example, if the respondent reported a shipment's mode of transportation as parcel and air, we treated the shipment as parcel only.

4. **Other multiple modes.** Shipments using any other mode combinations not specifically listed in the tables.

5. **Other and unknown modes.** Shipments for which modes were not reported, or were reported by the respondent as "Other" or "Unknown."

6. **Truck.** Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.

7. **Water.** Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as "Other multiple modes."

8. **Great Lakes.** In the tables in this publication, "Great Lakes" appears as a single mode. ORNL's transportation network and mileage calculation system allowed for separate mileage calculations for Great Lakes between the origin and destination ZIP Codes (see the "Mileage Calculations" section for more details).

Other Definitions and Terms

Shipment. A shipment (or delivery) is an individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.

Standard Classification of Transported Goods (SCTG). The commodities shown in this report are classified using the SCTG coding system. The SCTG coding system was developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.

Ton-miles. The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, as described below. Mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. For example, mileages from Alaska to the continental United States exclude any mileages through Canada (see the "Mileage Calculations" section for more details). Aggregated pound-miles were converted to ton-miles. The ton-miles data are displayed in millions.

Tons shipped. The total weight of the entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.

Total modal activity. The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)

Value of shipments. The dollar value of the entire shipment. This was defined as the net selling value, f.o.b. plant, exclusive of freight charges and excise taxes. The value data are displayed in millions of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables for this publication:

D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey.
lb	Pounds.
n.e.c.	Not elsewhere classified.
NA	Not applicable.
n.o.s.	Not otherwise specified.

OTHER TRANSPORTATION DATA

Users of transportation data may be especially interested in the following reports:

Economic Census: Transportation Sector covers establishments that provide passenger and freight transportation to the general public, government, or other businesses.

Published data include kind of business, geographic location, total operating revenue, annual and first quarter payroll, and number of employees for pay period including March 12.

Vehicle Inventory and Use Survey covers state and U.S. level statistics on the physical and operational characteristics of the Nation's truck, van, minivan, and sport utility vehicle population. Some of the types of data collected include number of vehicles, major use, body type, annual miles, model year, vehicle size, fuel type, operator classification, engine size, range of operation, weeks operated, products carried, and hazardous materials carried. This survey shows comparative statistics reflecting percent changes in number of vehicles between 1997 and 1992 for most characteristics.

Transportation Annual Survey covers firms with paid employees that provide commercial motor freight transportation and public warehousing services. Data collected include operating revenue and operating revenue by source, total expenses percentage of motor carrier freight revenue by commodity type, size of shipments handled, length of haul, and vehicle fleet inventory.

All results of the 1997 Economic Census are available on the Census Bureau Internet site *http//www.census.gov* and on compact discs (CD-ROM).

For more information on any Census Bureau product, including a description of electronic and printed reports being issued, see the website or call Customer Services at 301-457-4100.

Table 1a. **Shipment Characteristics by Mode of Transportation for the Division: 1997**

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**	**421**
Single modes	**930 147**	**86.5**	**1 757 640**	**97.1**	**296 167**	**92.4**	**176**
Truck[1]	867 622	80.7	1 401 686	77.4	165 895	51.7	147
For-hire truck	479 756	44.6	614 386	33.9	114 067	35.6	471
Private truck	379 382	35.3	758 595	41.9	49 627	15.5	61
Rail	35 848	3.3	307 569	17.0	119 423	37.2	558
Water	2 519	.2	30 988	1.7	10 018	3.1	1 333
Shallow draft	1 580	.1	27 588	1.5	8 159	2.5	257
Great Lakes	–	–	–	–	–	–	–
Deep draft	939	–	S	S	S	S	3 328
Air (includes truck and air)	21 939	2.0	531	–	613	.2	1 092
Pipeline[2]	S	S	16 866	.9	S	S	S
Multiple modes	**111 936**	**10.4**	**22 766**	**1.3**	**16 903**	**5.3**	**791**
Parcel, U.S. Postal Service or courier	105 353	9.8	2 930	.2	1 900	.6	790
Truck and rail	4 860	.5	5 195	.3	5 329	1.7	1 188
Truck and water	1 040	.1	3 551	.2	2 409	.8	4 158
Rail and water	278	–	9 311	.5	5 444	1.7	499
Other multiple modes	405	–	1 779	.1	1 821	.6	S
Other and unknown modes	**32 907**	**3.1**	**29 892**	**1.7**	**7 619**	**2.4**	**84**

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

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

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	1997 (million dollars)	1993 (million dollars)	Percent change	1997 (thousands)	1993 (thousands)	Percent change	1997 (millions)	1993 (millions)	Percent change	1997	1993	Percent change
All modes	**1 074 991**	**942 126**	**14.1**	**1 810 297**	**1 603 933**	**12.9**	**320 689**	**310 586**	**3.3**	**421**	**404**	**4.1**
Single modes	**930 147**	**827 861**	**12.4**	**1 757 640**	**1 504 093**	**16.9**	**296 167**	**273 499**	**8.3**	**176**	**157**	**11.6**
Truck[1]	867 622	775 719	11.8	1 401 686	1 136 470	23.3	165 895	141 496	17.2	147	136	8.3
For-hire truck	479 756	430 446	11.5	614 386	482 796	27.3	114 067	94 542	20.7	471	411	14.7
Private truck	379 382	340 737	11.3	758 595	648 740	16.9	49 627	46 380	7.0	61	52	17.3
Rail	35 848	31 781	12.8	307 569	289 676	6.2	119 423	106 183	12.5	558	624	–10.5
Water	2 519	5 551	–54.6	30 988	73 850	–58.0	10 018	25 454	–60.6	1 333	504	164.4
Shallow draft	1 580	2 903	–45.6	27 588	52 778	–47.7	8 159	12 634	–35.4	257	370	–30.7
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	939	2 648	–64.5	S	S	S	S	S	S	3 328	1 380	141.1
Air (includes truck and air)	21 939	14 175	54.8	531	251	111.1	613	307	99.3	1 092	1 206	–9.4
Pipeline[2]	S	S	S	16 866	3 846	338.5	S	S	S	S	S	S
Multiple modes	**111 936**	**87 352**	**28.1**	**22 766**	**36 743**	**-38.0**	**16 903**	**24 268**	**-30.3**	**791**	**805**	**-1.8**
Parcel, U.S. Postal Service or courier	105 353	76 261	38.1	2 930	2 804	4.5	1 900	1 849	2.8	790	805	–1.8
Truck and rail	4 860	9 528	–49.0	5 195	6 492	–20.0	5 329	3 875	37.5	1 188	1 156	2.8
Truck and water	1 040	572	82.0	3 551	9 227	–61.5	2 409	5 160	–53.3	4 158	1 577	163.7
Rail and water	278	637	–56.4	9 311	15 979	–41.7	5 444	10 906	–50.1	499	750	–33.5
Other multiple modes	405	S	S	1 779	2 242	–20.6	1 821	2 479	–26.5	S	S	S
Other and unknown modes	**32 907**	**26 913**	**22.3**	**29 892**	**63 096**	**-52.6**	**7 619**	**12 819**	**-40.6**	**84**	**162**	**-48.0**

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

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

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

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Single modes	**86.5**	**87.9**	**97.1**	**93.8**	**92.4**	**88.1**
Truck[1]	80.7	82.3	77.4	70.9	51.7	45.6
For-hire truck	44.6	45.7	33.9	30.1	35.6	30.4
Private truck	35.3	36.2	41.9	40.4	15.5	14.9
Rail	3.3	3.4	17.0	18.1	37.2	34.2
Water	.2	.6	1.7	4.6	3.1	8.2
Shallow draft	.1	.3	1.5	3.3	2.5	4.1
Great Lakes	–	–	–	–	–	–
Deep draft	–	.3	S	S	S	S
Air (includes truck and air)	2.0	1.5	–	–	.2	.1
Pipeline[2]	S	S	.9	.2	S	S
Multiple modes	**10.4**	**9.3**	**1.3**	**2.3**	**5.3**	**7.8**
Parcel, U.S. Postal Service or courier	9.8	8.1	.2	.2	.6	.6
Truck and rail	.5	1.0	.3	.4	1.7	1.2
Truck and water	.1	–	.2	.6	.8	1.7
Rail and water	–	–	.5	1.0	1.7	3.5
Other multiple modes	–	S	.1	.1	.6	.8
Other and unknown modes	**3.1**	**2.9**	**1.7**	**3.9**	**2.4**	**4.1**

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

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

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

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

Mode of transportation[1]	Ton-miles		Average miles per shipment
	Number (millions)	Percent	
Total	**320 689**	**100.0**	**414**
Truck	166 252	51.8	146
Rail	126 803	39.5	642
Shallow draft	12 189	3.8	263
Great Lakes	S	S	510
Deep draft	4 716	1.5	4 268
Air	560	.2	1 011
Parcel, U.S. Postal Service or courier	1 900	.6	790
Pipeline	S	S	S
Other and unknown modes	7 638	2.4	84

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

[1]Data represent activity for a given mode across single and multiple mode shipments. For example, "Truck" ton-miles includes total ton-miles for shipments moving by truck only plus ton-miles for truck segments only of multiple mode shipments.

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent
All modes	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**
Less than 50 miles	328 492	30.6	1 048 486	57.9	22 887	7.1
50 to 99 miles	103 185	9.6	210 595	11.6	19 335	6.0
100 to 249 miles	191 386	17.8	254 719	14.1	60 469	18.9
250 to 499 miles	173 276	16.1	186 147	10.3	91 086	28.4
500 to 749 miles	122 455	11.4	56 510	3.1	46 866	14.6
750 to 999 miles	56 123	5.2	26 952	1.5	30 039	9.4
1,000 to 1,499 miles	44 803	4.2	16 713	.9	23 971	7.5
1,500 to 1,999 miles	17 103	1.6	3 186	.2	6 841	2.1
2,000 miles or more	38 168	3.6	6 990	.4	19 195	6.0
Single modes	**930 147**	**100.0**	**1 757 640**	**100.0**	**296 167**	**100.0**
Less than 50 miles	297 274	32.0	1 032 614	58.8	22 586	7.6
50 to 99 miles	94 523	10.2	207 615	11.8	18 982	6.4
100 to 249 miles	171 979	18.5	239 920	13.7	56 250	19.0
250 to 499 miles	151 465	16.3	179 414	10.2	87 799	29.6
500 to 749 miles	101 403	10.9	51 402	2.9	41 456	14.0
750 to 999 miles	42 190	4.5	23 327	1.3	26 008	8.8
1,000 to 1,499 miles	31 429	3.4	14 774	.8	21 573	7.3
1,500 to 1,999 miles	12 833	1.4	2 838	.2	6 006	2.0
2,000 miles or more	27 051	2.9	5 735	.3	15 507	5.2
Truck[1]	**867 622**	**100.0**	**1 401 686**	**100.0**	**165 895**	**100.0**
Less than 50 miles	290 932	33.5	930 918	66.4	19 017	11.5
50 to 99 miles	92 462	10.7	180 917	12.9	15 951	9.6
100 to 249 miles	159 896	18.4	151 533	10.8	29 432	17.7
250 to 499 miles	138 462	16.0	72 726	5.2	32 276	19.5
500 to 749 miles	89 825	10.4	35 240	2.5	26 040	15.7
750 to 999 miles	36 546	4.2	15 759	1.1	16 523	10.0
1,000 to 1,499 miles	25 706	3.0	8 099	.6	10 870	6.6
1,500 to 1,999 miles	11 383	1.3	2 155	.2	4 443	2.7
2,000 miles or more	22 410	2.6	4 339	.3	11 344	6.8
For-hire truck	**479 756**	**100.0**	**614 386**	**100.0**	**114 067**	**100.0**
Less than 50 miles	75 342	15.7	323 508	52.7	7 312	6.4
50 to 99 miles	40 062	8.4	96 479	15.7	8 464	7.4
100 to 249 miles	91 221	19.0	86 100	14.0	17 214	15.1
250 to 499 miles	112 070	23.4	55 189	9.0	24 599	21.6
500 to 749 miles	77 038	16.1	29 225	4.8	21 736	19.1
750 to 999 miles	32 631	6.8	11 739	1.9	12 123	10.6
1,000 to 1,499 miles	21 979	4.6	6 503	1.1	8 787	7.7
1,500 to 1,999 miles	9 959	2.1	1 733	.3	3 590	3.1
2,000 miles or more	19 455	4.1	3 909	.6	10 241	9.0
Private truck	**379 382**	**100.0**	**758 595**	**100.0**	**49 627**	**100.0**
Less than 50 miles	213 101	56.2	585 783	77.2	11 231	22.6
50 to 99 miles	51 706	13.6	81 799	10.8	7 219	14.5
100 to 249 miles	66 926	17.6	62 204	8.2	11 633	23.4
250 to 499 miles	25 032	6.6	16 939	2.2	7 406	14.9
500 to 749 miles	11 565	3.0	5 618	.7	4 014	8.1
750 to 999 miles	3 565	.9	3 931	.5	4 308	8.7
1,000 to 1,499 miles	3 461	.9	1 522	.2	1 987	4.0
1,500 to 1,999 miles	1 369	.4	415	–	839	1.7
2,000 miles or more	2 658	.7	385	–	990	2.0
Rail	**35 848**	**100.0**	**307 569**	**100.0**	**119 423**	**100.0**
Less than 50 miles	3 364	9.4	74 838	24.3	2 908	2.4
50 to 99 miles	1 108	3.1	19 136	6.2	2 463	2.1
100 to 249 miles	6 287	17.5	80 727	26.2	24 688	20.7
250 to 499 miles	9 549	26.6	104 435	34.0	53 327	44.7
500 to 749 miles	8 076	22.5	12 943	4.2	11 608	9.7
750 to 999 miles	3 373	9.4	7 000	2.3	8 506	7.1
1,000 to 1,499 miles	1 843	5.1	6 493	2.1	10 418	8.7
1,500 to 1,999 miles	225	.6	646	.2	1 466	1.2
2,000 miles or more	2 022	5.6	1 351	.4	4 038	3.4
Water	**2 519**	**100.0**	**30 988**	**100.0**	**10 018**	**100.0**
Less than 50 miles	1 041	41.3	11 037	35.6	549	5.5
50 to 99 miles	399	15.8	7 543	24.3	565	5.6
100 to 249 miles	203	8.1	6 570	21.2	2 010	20.1
250 to 499 miles	123	4.9	2 130	6.9	2 133	21.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	**1 580**	**100.0**	**27 588**	**100.0**	**8 159**	**100.0**
Less than 50 miles	696	44.0	9 764	35.4	535	6.6
50 to 99 miles	307	19.4	7 478	27.1	558	6.8
100 to 249 miles	170	10.8	6 382	23.1	1 962	24.0
250 to 499 miles	93	5.9	2 081	7.5	2 118	26.0
500 to 749 miles	67	4.3	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**939**	**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	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	**21 939**	**100.0**	**531**	**100.0**	**613**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	544	2.5	17	3.2	3	.5
100 to 249 miles	5 320	24.2	48	9.0	14	2.2
250 to 499 miles	3 330	15.2	122	23.1	63	10.3
500 to 749 miles	3 055	13.9	78	14.7	75	12.2
750 to 999 miles	2 101	9.6	30	5.7	35	5.7
1,000 to 1,499 miles	3 763	17.2	S	S	S	S
1,500 to 1,999 miles	1 220	5.6	27	5.1	50	8.1
2,000 miles or more	2 607	11.9	44	8.4	124	20.2
Pipeline[2]	**S**	**S**	**16 866**	**100.0**	**S**	**S**
Less than 50 miles	S	S	15 821	93.8	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	1 042	6.2	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	–	–	–	–	S	S
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**111 936**	**100.0**	**22 766**	**100.0**	**16 903**	**100.0**
Less than 50 miles	15 085	13.5	2 010	8.8	52	.3
50 to 99 miles	6 869	6.1	631	2.8	S	S
100 to 249 miles	15 420	13.8	7 726	33.9	2 825	16.7
250 to 499 miles	18 203	16.3	4 170	18.3	2 170	12.8
500 to 749 miles	18 628	16.6	3 583	15.7	4 324	25.6
750 to 999 miles	12 270	11.0	1 925	8.5	2 209	13.1
1,000 to 1,499 miles	11 722	10.5	1 577	6.9	1 932	11.4
1,500 to 1,999 miles	3 819	3.4	289	1.3	710	4.2
2,000 miles or more	9 920	8.9	854	3.8	2 576	15.2
Parcel, U.S. Postal Service or courier	**105 353**	**100.0**	**2 930**	**100.0**	**1 900**	**100.0**
Less than 50 miles	14 682	13.9	430	14.7	12	.6
50 to 99 miles	6 755	6.4	256	8.7	24	1.3
100 to 249 miles	15 036	14.3	533	18.2	113	6.0
250 to 499 miles	17 107	16.2	546	18.7	246	12.9
500 to 749 miles	17 302	16.4	440	15.0	329	17.3
750 to 999 miles	11 506	10.9	281	9.6	293	15.4
1,000 to 1,499 miles	11 132	10.6	202	6.9	277	14.6
1,500 to 1,999 miles	3 258	3.1	81	2.8	170	8.9
2,000 miles or more	8 576	8.1	160	5.5	437	23.0
Truck and rail	**4 860**	**100.0**	**5 195**	**100.0**	**5 329**	**100.0**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	65	1.3	S	S	S	S
100 to 249 miles	173	3.6	1 149	22.1	326	6.1
250 to 499 miles	753	15.5	939	18.1	431	8.1
500 to 749 miles	1 255	25.8	673	12.9	577	10.8
750 to 999 miles	609	12.5	545	10.5	643	12.1
1,000 to 1,499 miles	220	4.5	S	S	S	S
1,500 to 1,999 miles	562	11.6	208	4.0	540	10.1
2,000 miles or more	1 163	23.9	683	13.2	2 063	38.7
Truck and water	**1 040**	**100.0**	**3 551**	**100.0**	**2 409**	**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	46	4.4	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	17	1.7	229	6.5	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	102	9.8	8	.2	59	2.5

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	**278**	**100.0**	**9 311**	**100.0**	**5 444**	**100.0**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	164	59.0	5 284	56.8	2 054	37.7
250 to 499 miles	49	17.8	1 973	21.2	1 159	21.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**405**	**100.0**	**1 779**	**100.0**	**1 821**	**100.0**
Less than 50 miles	281	69.5	725	40.7	16	.9
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	26	6.4	1 019	57.3	1 787	98.1
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**32 907**	**100.0**	**29 892**	**100.0**	**7 619**	**100.0**
Less than 50 miles	16 133	49.0	13 862	46.4	249	3.3
50 to 99 miles	1 793	5.4	2 348	7.9	249	3.3
100 to 249 miles	3 987	12.1	7 073	23.7	1 394	18.3
250 to 499 miles	3 609	11.0	2 563	8.6	1 117	14.7
500 to 749 miles	2 424	7.4	1 524	5.1	1 086	14.3
750 to 999 miles	1 663	5.1	1 700	5.7	1 822	23.9
1,000 to 1,499 miles	1 652	5.0	362	1.2	466	6.1
1,500 to 1,999 miles	450	1.4	59	.2	125	1.6
2,000 miles or more	1 197	3.6	401	1.3	1 112	14.6

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

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

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
All modes	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**	**421**
Less than 50 lb	108 425	10.1	2 856	.2	1 137	.4	546
50 to 99 lb	33 900	3.2	2 238	.1	569	.2	255
100 to 499 lb	100 625	9.4	14 048	.8	2 787	.9	202
500 to 749 lb	30 678	2.9	6 548	.4	1 336	.4	204
750 to 999 lb	21 176	2.0	5 491	.3	1 094	.3	199
1,000 to 9,999 lb	254 492	23.7	87 832	4.9	17 397	5.4	193
10,000 to 49,999 lb	426 057	39.6	824 853	45.6	119 628	37.3	148
50,000 to 99,999 lb	51 773	4.8	383 928	21.2	27 553	8.6	71
100,000 lb or more	47 865	4.5	482 504	26.7	149 189	46.5	387
Single modes	**930 147**	**100.0**	**1 757 640**	**100.0**	**296 167**	**100.0**	**176**
Less than 50 lb	34 178	3.7	1 396	–	215	–	191
50 to 99 lb	17 716	1.9	1 597	–	229	–	142
100 to 499 lb	79 222	8.5	12 430	.7	2 199	.7	170
500 to 749 lb	27 988	3.0	6 234	.4	1 244	.4	200
750 to 999 lb	19 771	2.1	5 311	.3	1 045	.4	196
1,000 to 9,999 lb	242 345	26.1	84 761	4.8	16 458	5.6	191
10,000 to 49,999 lb	413 129	44.4	815 128	46.4	114 000	38.5	142
50,000 to 99,999 lb	50 681	5.4	380 019	21.6	26 623	9.0	70
100,000 lb or more	45 118	4.9	450 764	25.6	134 155	45.3	379
Truck[1]	**867 622**	**100.0**	**1 401 686**	**100.0**	**165 895**	**100.0**	**147**
Less than 50 lb	26 840	3.1	1 356	.1	171	.1	132
50 to 99 lb	15 668	1.8	1 578	.1	207	.1	129
100 to 499 lb	74 313	8.6	12 350	.9	2 107	1.3	163
500 to 749 lb	27 224	3.1	6 211	.4	1 212	.7	195
750 to 999 lb	19 354	2.2	5 298	.4	1 028	.6	193
1,000 to 9,999 lb	236 900	27.3	84 620	6.0	16 287	9.8	188
10,000 to 49,999 lb	405 655	46.8	813 133	58.0	112 097	67.6	141
50,000 to 99,999 lb	47 895	5.5	377 805	27.0	25 442	15.3	68
100,000 lb or more	13 772	1.6	99 334	7.1	7 344	4.4	100
For-hire truck	**479 756**	**100.0**	**614 386**	**100.0**	**114 067**	**100.0**	**471**
Less than 50 lb	7 559	1.6	197	–	112	.1	539
50 to 99 lb	4 465	.9	245	–	134	.1	548
100 to 499 lb	33 655	7.0	2 521	.4	1 537	1.3	596
500 to 749 lb	14 447	3.0	1 453	.2	903	.8	617
750 to 999 lb	10 565	2.2	1 211	.2	751	.7	620
1,000 to 9,999 lb	132 388	27.6	22 334	3.6	11 177	9.8	532
10,000 to 49,999 lb	246 196	51.3	356 432	58.0	79 998	70.1	243
50,000 to 99,999 lb	22 632	4.7	178 474	29.0	14 227	12.5	80
100,000 lb or more	7 850	1.6	51 518	8.4	5 227	4.6	157
Private truck	**379 382**	**100.0**	**758 595**	**100.0**	**49 627**	**100.0**	**61**
Less than 50 lb	18 832	5.0	1 146	.2	57	.1	60
50 to 99 lb	10 990	2.9	1 327	.2	70	.1	53
100 to 499 lb	39 975	10.5	9 735	1.3	545	1.1	55
500 to 749 lb	12 406	3.3	4 688	.6	291	.6	62
750 to 999 lb	8 611	2.3	4 020	.5	265	.5	65
1,000 to 9,999 lb	102 649	27.1	61 047	8.0	4 905	9.9	77
10,000 to 49,999 lb	155 822	41.1	437 844	57.7	30 592	61.6	71
50,000 to 99,999 lb	24 912	6.6	196 636	25.9	11 025	22.2	56
100,000 lb or more	5 185	1.4	42 152	5.6	1 876	3.8	53
Rail	**35 848**	**100.0**	**307 569**	**100.0**	**119 423**	**100.0**	**558**
Less than 50 lb	14	–	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	684
100 to 499 lb	23	–	3	–	4	–	1 231
500 to 749 lb	S	S	S	S	S	S	931
750 to 999 lb	S	S	S	S	S	S	1 328
1,000 to 9,999 lb	S	S	32	–	45	–	1 614
10,000 to 49,999 lb	5 808	16.2	1 769	.6	1 774	1.5	996
50,000 to 99,999 lb	S	S	1 974	.6	1 122	.9	572
100,000 lb or more	27 102	75.6	303 789	98.8	116 476	97.5	516
Water	**2 519**	**100.0**	**30 988**	**100.0**	**10 018**	**100.0**	**1 333**
Less than 50 lb	S	S	–	–	S	S	201
50 to 99 lb	S	S	S	S	S	S	5 083
100 to 499 lb	S	S	S	S	S	S	27
500 to 749 lb	S	S	S	S	S	S	45
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	87	3.5	5	–	S	S	204
10,000 to 49,999 lb	307	12.2	126	.4	S	S	333
50,000 to 99,999 lb	S	S	S	S	S	S	52
100,000 lb or more	2 053	81.5	30 719	99.1	9 959	99.4	407
Shallow draft	**1 580**	**100.0**	**27 588**	**100.0**	**8 159**	**100.0**	**257**
Less than 50 lb	S	S	S	S	S	S	187
50 to 99 lb	S	S	S	S	S	S	3
100 to 499 lb	S	S	S	S	S	S	7
500 to 749 lb	S	S	S	S	S	S	7
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	55	3.5	S	S	S	S	97
10,000 to 49,999 lb	160	10.1	113	.4	S	S	367
50,000 to 99,999 lb	S	S	S	S	S	S	52
100,000 lb or more	1 320	83.5	27 336	99.1	8 103	99.3	373

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	**939**	**100.0**	**S**	**S**	**S**	**S**	**3 328**
Less than 50 lb	S	S	S	S	S	S	293
50 to 99 lb	S	S	S	S	S	S	5 099
100 to 499 lb	S	S	S	S	S	S	35
500 to 749 lb	S	S	S	S	S	S	71
750 to 999 lb	S	S	S	S	S	S	37
1,000 to 9,999 lb	S	S	S	S	S	S	272
10,000 to 49,999 lb	S	S	S	S	S	S	67
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	751
Air (includes truck and air)	**21 939**	**100.0**	**531**	**100.0**	**613**	**100.0**	**1 092**
Less than 50 lb	7 312	33.3	38	7.2	44	7.1	1 083
50 to 99 lb	2 026	9.2	17	3.1	20	3.3	1 217
100 to 499 lb	4 882	22.3	76	14.3	88	14.3	1 124
500 to 749 lb	754	3.4	22	4.2	31	5.1	1 382
750 to 999 lb	409	1.9	11	2.1	17	2.7	1 471
1,000 to 9,999 lb	5 156	23.5	102	19.2	124	20.3	1 211
10,000 to 49,999 lb	S	S	80	15.0	79	12.9	961
50,000 to 99,999 lb	S	S	S	S	S	S	643
100,000 lb or more	S	S	S	S	S	S	1 501
Pipeline[2]	**S**	**S**	**16 866**	**100.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	2	–	S	S	S
10,000 to 49,999 lb	16	.7	19	.1	S	S	S
50,000 to 99,999 lb	11	.5	S	S	S	S	S
100,000 lb or more	S	S	16 816	99.7	S	S	S
Multiple modes	**111 936**	**100.0**	**22 766**	**100.0**	**16 903**	**100.0**	**791**
Less than 50 lb	69 573	62.2	1 297	5.7	910	5.4	803
50 to 99 lb	14 716	13.1	522	2.3	331	2.0	627
100 to 499 lb	17 982	16.1	899	3.9	551	3.3	622
500 to 749 lb	1 918	1.7	135	.6	73	.4	527
750 to 999 lb	833	.7	62	.3	36	.2	584
1,000 to 9,999 lb	S	S	126	.6	130	.8	939
10,000 to 49,999 lb	3 469	3.1	2 045	9.0	3 000	17.7	1 466
50,000 to 99,999 lb	326	.3	1 058	4.6	292	1.7	S
100,000 lb or more	1 659	1.5	16 620	73.0	11 581	68.5	836
Parcel, U.S. Postal Service or courier	**105 353**	**100.0**	**2 930**	**100.0**	**1 900**	**100.0**	**790**
Less than 50 lb	69 568	66.0	1 297	44.3	910	47.9	803
50 to 99 lb	14 715	14.0	522	17.8	331	17.4	628
100 to 499 lb	17 966	17.1	896	30.6	543	28.6	615
500 to 749 lb	1 896	1.8	135	4.6	70	3.7	509
750 to 999 lb	825	.8	61	2.1	35	1.9	571
1,000 to 9,999 lb	383	.4	18	.6	S	S	644
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**4 860**	**100.0**	**5 195**	**100.0**	**5 329**	**100.0**	**1 188**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	80
100 to 499 lb	5	.1	S	S	S	S	615
500 to 749 lb	S	S	S	S	S	S	2 665
750 to 999 lb	S	S	S	S	S	S	1 780
1,000 to 9,999 lb	S	S	S	S	S	S	949
10,000 to 49,999 lb	3 227	66.4	1 923	37.0	2 929	55.0	1 536
50,000 to 99,999 lb	51	1.0	357	6.9	273	5.1	741
100,000 lb or more	508	10.4	2 813	54.1	S	S	856
Truck and water	**1 040**	**100.0**	**3 551**	**100.0**	**2 409**	**100.0**	**4 158**
Less than 50 lb	S	S	S	S	S	S	5 035
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	5 656
500 to 749 lb	S	S	S	S	S	S	7 451
750 to 999 lb	S	S	S	S	S	S	7 014
1,000 to 9,999 lb	28	2.7	S	S	24	1.0	3 656
10,000 to 49,999 lb	153	14.7	84	2.4	53	2.2	S
50,000 to 99,999 lb	S	S	S	S	S	S	223
100,000 lb or more	843	81.0	3 450	97.2	2 322	96.4	716

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	**278**	**100.0**	**9 311**	**100.0**	**5 444**	**100.0**	**499**
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	412
10,000 to 49,999 lb	S	S	S	S	S	S	7 000
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	277	99.6	9 310	100.0	5 443	100.0	407
Other multiple modes	**405**	**100.0**	**1 779**	**100.0**	**1 821**	**100.0**	**S**
Less than 50 lb	S	S	S	S	S	S	53
50 to 99 lb	S	S	S	S	S	S	133
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	74
1,000 to 9,999 lb	S	S	S	S	S	S	138
10,000 to 49,999 lb	S	S	S	S	S	S	412
50,000 to 99,999 lb	275	67.9	693	38.9	17	.9	25
100,000 lb or more	32	7.9	1 047	58.8	1 787	98.2	1 722
Other and unknown modes	**32 907**	**100.0**	**29 892**	**100.0**	**7 619**	**100.0**	**84**
Less than 50 lb	4 675	14.2	162	.5	11	.2	75
50 to 99 lb	1 468	4.5	118	.4	9	.1	77
100 to 499 lb	3 421	10.4	720	2.4	37	.5	58
500 to 749 lb	772	2.3	179	.6	19	.3	105
750 to 999 lb	573	1.7	118	.4	13	.2	109
1,000 to 9,999 lb	10 687	32.5	2 944	9.9	810	10.6	231
10,000 to 49,999 lb	9 458	28.7	7 680	25.7	2 628	34.5	360
50,000 to 99,999 lb	766	2.3	2 850	9.5	638	8.4	215
100,000 lb or more	1 088	3.3	15 120	50.6	3 454	45.3	269

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

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

Table 5. **Shipment Characteristics by Two-Digit Commodity for the Division: 1997**

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**	**421**
01	Live animals and live fish	664	–	S	S	192	–	445
02	Cereal grains	1 739	.2	11 957	.7	S	S	118
03	Other agricultural products	14 751	1.4	18 154	1.0	5 353	1.7	288
04	Animal feed and products of animal origin, n.e.c.	7 577	.7	29 312	1.6	3 190	1.0	66
05	Meat, fish, seafood, and their preparations	27 745	2.6	13 895	.8	5 070	1.6	157
06	Milled grain products and preparations, and bakery products	12 315	1.1	9 102	.5	2 580	.8	90
07	Other prepared foodstuffs and fats and oils	45 435	4.2	60 353	3.3	13 373	4.2	82
08	Alcoholic beverages	14 271	1.3	13 031	.7	1 846	.6	31
09	Tobacco products	29 222	2.7	2 579	.1	661	.2	698
10	Monumental or building stone	403	–	4 490	.2	241	–	134
11	Natural sands	801	–	74 591	4.1	3 807	1.2	45
12	Gravel and crushed stone	2 446	.2	370 160	20.4	18 104	5.6	41
13	Nonmetallic minerals n.e.c.	3 087	.3	46 734	2.6	13 492	4.2	219
14	Metallic ores and concentrates	594	–	1 243	–	444	.1	327
15	Coal	6 680	.6	250 260	13.8	82 486	25.7	S
17	Gasoline and aviation turbine fuel	29 314	2.7	119 799	6.6	7 421	2.3	55
18	Fuel oils	10 516	1.0	53 124	2.9	2 972	.9	33
19	Coal and petroleum products, n.e.c.	5 358	.5	27 834	1.5	4 175	1.3	63
20	Basic chemicals	18 098	1.7	23 748	1.3	8 568	2.7	247
21	Pharmaceutical products	46 708	4.3	3 412	.2	2 408	.8	821
22	Fertilizers	7 029	.7	70 170	3.9	12 166	3.8	94
23	Chemical products and preparations, n.e.c.	29 746	2.8	17 415	1.0	7 482	2.3	375
24	Plastics and rubber	44 831	4.2	17 355	1.0	8 217	2.6	287
25	Logs and other wood in the rough	2 835	.3	118 542	6.5	6 808	2.1	56
26	Wood products	24 018	2.2	80 147	4.4	14 305	4.5	252
27	Pulp, newsprint, paper, and paperboard	19 455	1.8	28 986	1.6	15 689	4.9	160
28	Paper or paperboard articles	16 529	1.5	13 513	.7	4 723	1.5	207
29	Printed products	30 993	2.9	13 829	.8	2 435	.8	573
30	Textiles, leather, and articles of textiles or leather	136 751	12.7	23 745	1.3	11 462	3.6	828
31	Nonmetallic mineral products	18 460	1.7	153 398	8.5	13 791	4.3	244
32	Base metal in primary or semifinished forms and in finished basic shapes	26 700	2.5	31 097	1.7	9 063	2.8	194
33	Articles of base metal	27 155	2.5	11 205	.6	4 072	1.3	306
34	Machinery	56 387	5.2	5 458	.3	2 904	.9	265
35	Electronic and other electrical equipment and components and office equipment	112 407	10.5	5 964	.3	3 456	1.1	493
36	Motorized and other vehicles (including parts)	67 636	6.3	9 550	.5	4 659	1.5	246
37	Transportation equipment, n.e.c.	15 188	1.4	921	–	625	.2	858
38	Precision instruments and apparatus	21 224	2.0	764	–	524	.2	713
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	19 458	1.8	4 115	.2	2 130	.7	533
40	Miscellaneous manufactured products	53 033	4.9	20 925	1.2	5 686	1.8	729
41	Waste and scrap	3 831	.4	19 692	1.1	5 438	1.7	181
43	Mixed freight	58 371	5.4	25 455	1.4	3 007	.9	161
--	Commodity unknown	5 234	.5	3 274	.2	756	.2	333

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment
		Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
	All commodities	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**	**421**
010	Live animals and live fish	664	–	S	S	192	–	445
021	Wheat	303	–	2 413	.1	567	.2	101
022	Corn, except sweet	690	–	5 977	.3	534	.2	118
029	Other cereal grains	S	S	S	S	S	S	127
031	Fresh or chilled potatoes (Irish potatoes), except sweet	505	–	612	–	S	S	62
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	3 461	.3	4 624	.3	1 818	.6	85
033	Fresh, chilled, or dried edible fruit and nuts	2 225	.2	3 736	.2	834	.3	582
034	Soya beans	1 044	.1	4 054	.2	S	S	73
035	Oil seeds and nuts, except olives and soya beans	1 743	.2	2 196	.1	1 029	.3	249
036	Bulbs, live plants, and seeds for sowing, n.e.c.	696	–	364	–	88	–	318
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	5 078	.5	2 569	.1	504	.2	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	1 747	.2	7 016	.4	1 168	.4	168
042	Animal feed preparations	5 831	.5	22 297	1.2	2 023	.6	51
051	Meat including poultry, except preparations	22 315	2.1	12 324	.7	4 231	1.3	104
052	Fish, except live, and seafood, except preparations	4 346	.4	817	–	355	.1	178
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	943
061	Wheat flour, groats, and meal	783	–	2 360	.1	307	.1	113
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	371	–	525	–	107	–	77
063	Food preparations of cereals, flour, starch, or milk	2 236	.2	1 446	–	453	.1	127
064	Bakery products	8 925	.8	4 770	.3	1 712	.5	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	6 297	.6	7 880	.4	1 136	.4	45
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	9 398	.9	7 030	.4	3 209	1.0	241
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	3 030	.3	998	–	443	.1	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	2 216	.2	3 572	.2	799	.2	58
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	3 972	.4	8 250	.5	3 778	1.2	189
076	Confectionery, cocoa, and cocoa preparations	1 682	.2	590	–	277	–	284
077	Edible preparations, n.e.c. and vinegar	6 311	.6	3 233	.2	1 044	.3	309
078	Nonalcoholic beverages, n.e.c. and ice	12 530	1.2	28 801	1.6	2 686	.8	34
081	Malt Beer	9 892	.9	11 597	.6	1 732	.5	26
082	Wine and other fermented beverages	1 826	.2	651	–	24	–	38
083	Spirituous beverages and ethyl alcohol	2 552	.2	783	–	S	S	50
090	Tobacco products	29 222	2.7	2 579	.1	661	.2	698
100	Monumental or building stone, except dolomite	403	–	4 490	.2	241	–	134
110	Natural sands, except metal-bearing	801	–	74 591	4.1	3 807	1.2	45
120	Gravel and crushed stone, except dolomite and slate	2 446	.2	370 160	20.4	18 104	5.6	41
131	Salt	S	S	S	S	S	S	90
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	321	–	13 046	.7	1 631	.5	S
133	Dolomite	S	S	4 581	.3	S	S	S
139	Other nonmetallic minerals	2 312	.2	27 951	1.5	11 454	3.6	287
141	Iron ores and concentrates	S	S	S	S	S	S	S
149	Other metallic ores and concentrates	557	–	769	–	418	.1	364
151	Nonagglomerated bituminous coal	6 637	.6	249 035	13.8	81 995	25.6	S
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	29 110	2.7	118 863	6.6	7 361	2.3	56
172	Aviation turbine fuel (types A and B)	204	–	936	–	S	S	28
180	Fuel oils	10 516	1.0	53 124	2.9	2 972	.9	33
191	Lubricating oils and greases	2 342	.2	2 503	.1	548	.2	89
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	614	–	1 694	–	66	–	42
193	Gaseous hydrocarbons	529	–	1 204	–	52	–	S
199	Other products of petroleum refining, and coal products	1 873	.2	22 432	1.2	3 508	1.1	71
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	455	–	2 080	.1	450	.1	158
202	Inorganic chemicals, n.e.c.	6 483	.6	12 996	.7	3 718	1.2	100
203	Cyclic hydrocarbons	166	–	190	–	S	S	185
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	2 343	.2	2 900	.2	1 038	.3	258
205	Organic chemicals, n.e.c.	8 651	.8	5 583	.3	3 310	1.0	596
210	Pharmaceutical products	46 708	4.3	3 412	.2	2 408	.8	821
220	Fertilizers and fertilizer materials	7 029	.7	70 170	3.9	12 166	3.8	94
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	6 228	.6	3 180	.2	1 020	.3	91
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	6 195	.6	901	–	624	.2	765
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	6 219	.6	6 375	.4	2 892	.9	291
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	2 043	.2	242	–	94	–	174
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	3 597	.3	1 561	–	422	.1	149
239	Other chemical products and preparations	5 465	.5	5 155	.3	2 430	.8	271
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	7 902	.7	4 843	.3	2 783	.9	367
242	Manmade fibers and plastics basic shapes and articles	25 946	2.4	9 753	.5	4 275	1.3	341

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	10 984	1.0	2 758	.2	1 160	.4	165
250	Logs and other wood in the rough	2 835	.3	118 542	6.5	6 808	2.1	56
261	Wood chips or particles	706	–	34 613	1.9	2 828	.9	65
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	12 652	1.2	28 805	1.6	6 461	2.0	250
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	5 548	.5	11 079	.6	4 168	1.3	262
264	Builders' joinery and carpentry of wood, except shingles and shakes	3 367	.3	1 459	–	230	–	131
269	Other wood products	1 745	.2	4 192	.2	619	.2	523
271	Pulp of fibrous cellulosic materials	1 429	.1	2 830	.2	1 571	.5	S
272	Newsprint in large rolls or sheets	1 005	–	1 419	–	S	S	S
273	Uncoated paper and paperboard in large rolls or sheets	10 309	1.0	17 034	.9	9 627	3.0	102
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	6 712	.6	7 703	.4	4 018	1.3	333
280	Paper or paperboard articles	16 529	1.5	13 513	.7	4 723	1.5	207
291	Printed books, brochures, leaflets, and similar printed products	9 659	.9	1 521	–	733	.2	833
292	Newspapers, journals, and periodicals	11 356	1.1	9 356	.5	457	.1	162
293	Advertising material, commercial or trade catalogues, and similar printed products	4 602	.4	2 003	.1	910	.3	747
299	Other printed products	5 377	.5	948	–	336	.1	533
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	45 091	4.2	12 300	.7	4 981	1.6	631
302	Textile clothing and accessories, and headgear, except safety	47 559	4.4	1 811	.1	905	.3	910
303	Textiles and textile articles, n.e.c.	39 334	3.7	9 387	.5	5 446	1.7	707
304	Footwear	S	S	168	–	84	–	869
305	Leather and articles, luggage of related materials, and dressed furskins and articles	1 379	.1	79	–	47	–	860
311	Hydraulic cements	1 172	.1	17 889	1.0	1 695	.5	83
312	Ceramic products	2 583	.2	3 949	.2	1 220	.4	651
313	Glass and glass products	5 430	.5	4 110	.2	1 821	.6	328
319	Other nonmetallic mineral products	9 275	.9	127 451	7.0	9 055	2.8	61
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	2 357	.2	S	S	1 352	.4	164
322	Flat-rolled products of iron or steel	6 505	.6	9 388	.5	2 314	.7	124
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	6 167	.6	11 553	.6	3 479	1.1	192
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	11 670	1.1	4 487	.2	1 919	.6	240
331	Pipes, tubes, and fittings	6 410	.6	3 079	.2	1 164	.4	182
332	Structures and parts, except prefabricated buildings	5 838	.5	3 803	.2	1 286	.4	242
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	8 584	.8	1 631	–	540	.2	372
339	Other articles of metal	6 323	.6	2 693	.1	1 082	.3	264
341	Internal-combustion piston engines	6 289	.6	478	–	275	–	165
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	6 286	.6	161	–	125	–	365
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	6 655	.6	639	–	363	.1	322
344	Air-conditioning, refrigerating, or freezing equipment	5 218	.5	760	–	475	.1	168
345	Materials-handling, excavating, boring, and related machinery and equipment	6 762	.6	1 148	–	463	.1	240
349	Other machinery	25 176	2.3	2 271	.1	1 204	.4	309
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	4 312	.4	465	–	337	.1	318
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	1 799	.2	S	S	S	S	267
353	Line telephone or telegraph apparatus	8 206	.8	111	–	68	–	642
354	Electronic entertainment products, except parts	4 229	.4	205	–	77	–	701
355	Computer and office equipment	34 764	3.2	495	–	255	–	673
356	Prepared unrecorded or prerecorded media	5 772	.5	238	–	138	–	950
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	8 640	.8	S	S	S	S	987
358	Electronic components and parts	12 880	1.2	342	–	281	–	1 011
359	Other electronic and electrical equipment	31 806	3.0	3 441	.2	2 024	.6	225
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	24 019	2.2	2 659	.1	1 167	.4	506
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	7 001	.7	883	–	597	.2	644
363	Other vehicles	7 934	.7	2 017	.1	931	.3	503
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	28 682	2.7	3 991	.2	1 964	.6	210
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	1 646	.2	660	–	441	.1	713
372	Aircraft and spacecraft	10 629	1.0	54	–	47	–	1 065
373	Ships, boats, and floating structures	2 913	.3	207	–	137	–	421
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	4 866	.5	94	–	90	–	705
382	Photographic and photocopying machines	3 158	.3	109	–	39	–	635
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	764	–	S	S	S	S	885
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	8 063	.8	436	–	322	.1	856
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	4 372	.4	78	–	60	–	417

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	19 458	1.8	4 115	.2	2 130	.7	533
401	Arms and ammunition	1 366	.1	27	–	24	–	871
402	Toys, games, and sporting equipment	S	S	S	S	189	–	875
409	Miscellaneous manufactured products	43 934	4.1	20 231	1.1	5 472	1.7	717
411	Metallic waste and scrap	2 923	.3	10 701	.6	2 559	.8	120
412	Nonmetallic waste and scrap, except from food processing	908	–	8 991	.5	2 879	.9	264
439	Mixed freight	58 371	5.4	25 455	1.4	3 007	.9	161
—	Commodity unknown	5 234	.5	3 274	.2	756	.2	333

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

Note: Data exclude shipments of SCTG 160, Crude Petroleum. See the section "Industry Coverage" for additional information.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
ALL COMMODITIES							
Total	**1 074 991**	**100.0**	**1 810 297**	**100.0**	**320 689**	**100.0**	**421**
Single modes	**930 147**	**86.5**	**1 757 640**	**97.1**	**296 167**	**92.4**	**176**
Truck[1]	867 622	80.7	1 401 686	77.4	165 895	51.7	147
For-hire truck	479 756	44.6	614 386	33.9	114 067	35.6	471
Private truck	379 382	35.3	758 595	41.9	49 627	15.5	61
Rail	35 848	3.3	307 569	17.0	119 423	37.2	558
Water	2 519	.2	30 988	1.7	10 018	3.1	1 333
Shallow draft	1 580	.1	27 588	1.5	8 159	2.5	257
Great Lakes	–	–	–	–	–	–	–
Deep draft	939	–	S	S	S	S	3 328
Air (includes truck and air)	21 939	2.0	531	–	613	.2	1 092
Pipeline[2]	S	S	16 866	.9	S	S	S
Multiple modes	**111 936**	**10.4**	**22 766**	**1.3**	**16 903**	**5.3**	**791**
Parcel, U.S. Postal Service or courier	105 353	9.8	2 930	.2	1 900	.6	790
Truck and rail	4 860	.5	5 195	.3	5 329	1.7	1 188
Truck and water	1 040	.1	3 551	.2	2 409	.8	4 158
Rail and water	278	–	9 311	.5	5 444	1.7	499
Other multiple modes	405	–	1 779	.1	1 821	.6	S
Other and unknown modes	**32 907**	**3.1**	**29 892**	**1.7**	**7 619**	**2.4**	**84**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**664**	**100.0**	**S**	**S**	**192**	**100.0**	**445**
Single modes	**657**	**99.1**	**S**	**S**	**190**	**99.1**	**386**
Truck[1]	655	98.6	S	S	190	99.0	S
For-hire truck	158	23.8	122	12.3	91	47.5	792
Private truck	S	S	S	S	S	S	104
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 336
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**794**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	794
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 269**
SCTG 02, CEREAL GRAINS							
Total	**1 739**	**100.0**	**11 957**	**100.0**	**S**	**S**	**118**
Single modes	**1 581**	**90.9**	**10 645**	**89.0**	**S**	**S**	**88**
Truck[1]	760	43.7	6 101	51.0	507	10.3	61
For-hire truck	283	16.3	2 461	20.6	195	4.0	88
Private truck	422	24.3	3 176	26.6	274	5.6	52
Rail	S	S	2 485	20.8	S	S	724
Water	S	S	S	S	S	S	848
Shallow draft	S	S	S	S	S	S	130
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 009
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**677**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	687
Truck and rail	S	S	S	S	S	S	94
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**13**

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	**14 751**	**100.0**	**18 154**	**100.0**	**5 353**	**100.0**	**288**
Single modes	**14 040**	**95.2**	**17 140**	**94.4**	**4 452**	**83.2**	**105**
Truck[1]	13 519	91.6	16 162	89.0	3 989	74.5	101
For-hire truck	6 668	45.2	6 657	36.7	2 865	53.5	766
Private truck	6 699	45.4	9 189	50.6	993	18.6	36
Rail	453	3.1	823	4.5	432	8.1	537
Water	S	S	S	S	S	S	137
Shallow draft	S	S	S	S	S	S	72
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	167
Air (includes truck and air)	20	.1	4	–	8	.1	1 746
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**193**	**1.3**	**112**	**.6**	**199**	**3.7**	**1 155**
Parcel, U.S. Postal Service or courier	174	1.2	40	.2	S	S	1 155
Truck and rail	S	S	S	S	S	S	2 330
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**518**	**3.5**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**7 577**	**100.0**	**29 312**	**100.0**	**3 190**	**100.0**	**66**
Single modes	**7 417**	**97.9**	**28 714**	**98.0**	**3 108**	**97.4**	**62**
Truck[1]	7 215	95.2	27 710	94.5	2 589	81.2	59
For-hire truck	2 151	28.4	6 762	23.1	1 463	45.9	198
Private truck	5 039	66.5	20 813	71.0	1 118	35.1	41
Rail	196	2.6	1 000	3.4	519	16.3	528
Water	S	S	S	S	S	S	4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	4
Air (includes truck and air)	S	S	S	S	S	S	1 526
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**507**
Parcel, U.S. Postal Service or courier	3	–	1	–	1	–	533
Truck and rail	S	S	S	S	S	S	294
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**120**	**1.6**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**27 745**	**100.0**	**13 895**	**100.0**	**5 070**	**100.0**	**157**
Single modes	**26 963**	**97.2**	**13 539**	**97.4**	**4 974**	**98.1**	**130**
Truck[1]	26 656	96.1	13 504	97.2	4 939	97.4	114
For-hire truck	10 994	39.6	6 076	43.7	3 351	66.1	548
Private truck	15 153	54.6	7 166	51.6	1 435	28.3	72
Rail	S	S	S	S	S	S	909
Water	S	S	S	S	S	S	92
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	92
Air (includes truck and air)	S	S	S	S	S	S	1 659
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**1 426**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 433
Truck and rail	S	S	S	S	S	S	497
Truck and water	S	S	S	S	S	S	91
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**652**	**2.4**	**323**	**2.3**	**80**	**1.6**	**156**

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	**12 315**	**100.0**	**9 102**	**100.0**	**2 580**	**100.0**	**90**
Single modes	**12 185**	**98.9**	**9 042**	**99.3**	**2 546**	**98.7**	**84**
Truck[1]	12 182	98.9	9 027	99.2	2 536	98.3	82
For-hire truck	4 975	40.4	3 967	43.6	1 779	69.0	307
Private truck	7 162	58.2	5 035	55.3	745	28.9	70
Rail	S	S	S	S	S	S	636
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 637
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**61**	**.5**	**28**	**.3**	**S**	**S**	**637**
Parcel, U.S. Postal Service or courier	18	.1	3	–	1	–	635
Truck and rail	44	.4	25	.3	S	S	725
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**9**	**.3**	**242**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**45 435**	**100.0**	**60 353**	**100.0**	**13 373**	**100.0**	**82**
Single modes	**43 941**	**96.7**	**57 771**	**95.7**	**11 557**	**86.4**	**52**
Truck[1]	42 705	94.0	55 087	91.3	9 831	73.5	52
For-hire truck	15 442	34.0	17 043	28.2	5 975	44.7	393
Private truck	26 338	58.0	37 088	61.5	3 746	28.0	39
Rail	1 234	2.7	2 684	4.4	1 726	12.9	667
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1	–	S	S	S	S	812
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 041**	**2.3**	**2 010**	**3.3**	**1 695**	**12.7**	**783**
Parcel, U.S. Postal Service or courier	181	.4	34	–	27	.2	784
Truck and rail	S	S	S	S	S	S	671
Truck and water	777	1.7	1 899	3.1	S	S	445
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**454**	**1.0**	**572**	**.9**	**121**	**.9**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**14 271**	**100.0**	**13 031**	**100.0**	**1 846**	**100.0**	**31**
Single modes	**14 113**	**98.9**	**12 898**	**99.0**	**1 809**	**98.0**	**31**
Truck[1]	13 976	97.9	12 717	97.6	1 751	94.8	31
For-hire truck	2 264	15.9	3 115	23.9	822	44.5	S
Private truck	11 712	82.1	9 602	73.7	929	50.3	29
Rail	S	S	S	S	S	S	330
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 534
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	281
Truck and water	S	S	S	S	S	S	40
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**115**	**.8**	**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	**29 222**	**100.0**	**2 579**	**100.0**	**661**	**100.0**	**698**
Single modes	**28 535**	**97.6**	**2 529**	**98.1**	**615**	**93.0**	**124**
Truck[1]	28 532	97.6	2 528	98.0	615	93.0	124
For-hire truck	18 627	63.7	729	28.2	559	84.5	883
Private truck	9 905	33.9	S	S	56	8.5	42
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	161
Shallow draft	S	S	S	S	S	S	161
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 489
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**497**	**1.7**	**15**	**.6**	**S**	**S**	**1 438**
Parcel, U.S. Postal Service or courier	272	.9	8	.3	8	1.2	1 437
Truck and rail	S	S	S	S	S	S	3 245
Truck and water	S	S	S	S	S	S	6 990
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	5 846
Other and unknown modes	**190**	**.7**	**35**	**1.4**	**5**	**.8**	**93**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**403**	**100.0**	**4 490**	**100.0**	**241**	**100.0**	**134**
Single modes	**399**	**99.0**	**4 475**	**99.7**	**234**	**97.1**	**122**
Truck[1]	399	99.0	4 475	99.7	234	97.1	122
For-hire truck	162	40.2	577	12.8	158	65.3	319
Private truck	225	55.8	2 247	50.0	68	28.2	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**393**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	393
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**3**	**.9**	**14**	**.3**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**801**	**100.0**	**74 591**	**100.0**	**3 807**	**100.0**	**45**
Single modes	**790**	**98.6**	**74 267**	**99.6**	**3 799**	**99.8**	**45**
Truck[1]	704	87.9	71 999	96.5	3 165	83.1	43
For-hire truck	340	42.5	45 633	61.2	2 319	60.9	59
Private truck	362	45.2	25 692	34.4	805	21.1	27
Rail	85	10.6	2 267	3.0	633	16.6	260
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	831
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**666**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	666
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 12, GRAVEL AND CRUSHED STONE							
Total	**2 446**	**100.0**	**370 160**	**100.0**	**18 104**	**100.0**	**41**
Single modes	**2 431**	**99.4**	**368 784**	**99.6**	**18 049**	**99.7**	**41**
Truck[1]	2 315	94.6	346 465	93.6	13 775	76.1	39
For-hire truck	873	35.7	130 326	35.2	5 222	28.8	38
Private truck	1 360	55.6	205 146	55.4	8 371	46.2	42
Rail	116	4.7	22 319	6.0	4 273	23.6	200
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	222
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**653**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	653
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**15**	**.6**	**1 376**	**.4**	**S**	**S**	**29**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**3 087**	**100.0**	**46 734**	**100.0**	**13 492**	**100.0**	**219**
Single modes	**2 916**	**94.5**	**44 448**	**95.1**	**11 162**	**82.7**	**205**
Truck[1]	1 866	60.4	17 759	38.0	3 317	24.6	165
For-hire truck	1 349	43.7	10 808	23.1	2 763	20.5	294
Private truck	515	16.7	6 899	14.8	547	4.1	65
Rail	949	30.7	19 792	42.4	7 566	56.1	566
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 340
Pipeline[2]	86	2.8	6 773	14.5	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**522**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	390
Truck and rail	S	S	S	S	S	S	1 060
Truck and water	S	S	S	S	S	S	7 723
Rail and water	S	S	S	S	S	S	1 214
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**74**	**.5**	**183**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**594**	**100.0**	**1 243**	**100.0**	**444**	**100.0**	**327**
Single modes	**524**	**88.3**	**1 209**	**97.3**	**430**	**96.7**	**265**
Truck[1]	458	77.1	831	66.9	200	44.9	195
For-hire truck	323	54.3	273	22.0	152	34.2	588
Private truck	134	22.6	S	S	46	10.4	52
Rail	51	8.6	371	29.9	228	51.3	636
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 628
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**751**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	751
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**212**

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	**6 680**	**100.0**	**250 260**	**100.0**	**82 486**	**100.0**	**S**
Single modes	**6 042**	**90.5**	**227 262**	**90.8**	**73 866**	**89.6**	**S**
Truck[1]	798	12.0	35 771	14.3	923	1.1	30
For-hire truck	594	8.9	26 914	10.8	714	.9	32
Private truck	205	3.1	S	S	S	S	25
Rail	4 614	69.1	166 815	66.7	65 652	79.6	407
Water	630	9.4	24 676	9.9	7 291	8.8	312
Shallow draft	630	9.4	24 676	9.9	7 291	8.8	312
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**333**	**5.0**	**11 247**	**4.5**	**6 992**	**8.5**	**573**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	279
Truck and water	S	S	S	S	687	.8	535
Rail and water	242	3.6	8 503	3.4	4 462	5.4	395
Other multiple modes	26	.4	1 019	.4	1 787	2.2	1 753
Other and unknown modes	**305**	**4.6**	**11 751**	**4.7**	**1 627**	**2.0**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**29 314**	**100.0**	**119 799**	**100.0**	**7 421**	**100.0**	**55**
Single modes	**28 925**	**98.7**	**118 720**	**99.1**	**7 392**	**99.6**	**56**
Truck[1]	27 875	95.1	114 349	95.5	7 279	98.1	56
For-hire truck	13 387	45.7	59 310	49.5	3 952	53.3	65
Private truck	13 592	46.4	51 115	42.7	2 825	38.1	42
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	47
Shallow draft	S	S	S	S	S	S	47
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**295**	**1.0**	**757**	**.6**	**21**	**.3**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	569
Truck and rail	S	S	S	S	S	S	214
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	290	1.0	744	.6	18	.2	25
Other and unknown modes	**94**	**.3**	**322**	**.3**	**7**	**.1**	**9**
SCTG 18, FUEL OILS							
Total	**10 516**	**100.0**	**53 124**	**100.0**	**2 972**	**100.0**	**33**
Single modes	**10 475**	**99.6**	**52 947**	**99.7**	**2 969**	**99.9**	**34**
Truck[1]	9 477	90.1	47 623	89.6	2 780	93.5	34
For-hire truck	3 960	37.7	21 148	39.8	1 384	46.6	74
Private truck	5 132	48.8	24 789	46.7	1 345	45.3	25
Rail	S	S	S	S	S	S	143
Water	S	S	S	S	S	S	53
Shallow draft	S	S	S	S	S	S	53
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41**	**.4**	**176**	**.3**	**3**	**.1**	**13**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**5 358**	**100.0**	**27 834**	**100.0**	**4 175**	**100.0**	**63**
Single modes	**5 291**	**98.7**	**27 660**	**99.4**	**4 167**	**99.8**	**50**
Truck[1]	4 875	91.0	23 883	85.8	1 863	44.6	50
For-hire truck	1 822	34.0	8 477	30.5	1 112	26.6	181
Private truck	2 953	55.1	13 916	50.0	668	16.0	34
Rail	376	7.0	3 411	12.3	S	S	546
Water	S	S	S	S	S	S	915
Shallow draft	S	S	S	S	S	S	915
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	607
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**31**	**.6**	**8**	**–**	**4**	**–**	**499**
Parcel, U.S. Postal Service or courier	30	.6	5	–	S	S	499
Truck and rail	S	S	S	S	S	S	200
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**36**	**.7**	**S**	**S**	**4**	**–**	**9**
SCTG 20, BASIC CHEMICALS							
Total	**18 098**	**100.0**	**23 748**	**100.0**	**8 568**	**100.0**	**247**
Single modes	**17 249**	**95.3**	**23 304**	**98.1**	**8 250**	**96.3**	**120**
Truck[1]	14 127	78.1	16 967	71.4	4 389	51.2	110
For-hire truck	10 631	58.7	10 234	43.1	3 573	41.7	376
Private truck	3 485	19.3	6 692	28.2	809	9.4	48
Rail	2 850	15.7	5 555	23.4	3 495	40.8	731
Water	S	S	S	S	S	S	1 569
Shallow draft	S	S	S	S	S	S	1 569
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	29	.2	S	S	S	S	1 324
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**432**	**2.4**	**174**	**.7**	**228**	**2.7**	**875**
Parcel, U.S. Postal Service or courier	230	1.3	11	–	7	–	874
Truck and rail	197	1.1	160	.7	220	2.6	954
Truck and water	S	S	S	S	S	S	167
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**417**	**2.3**	**270**	**1.1**	**90**	**1.0**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**46 708**	**100.0**	**3 412**	**100.0**	**2 408**	**100.0**	**821**
Single modes	**35 633**	**76.3**	**3 216**	**94.2**	**2 270**	**94.3**	**307**
Truck[1]	31 790	68.1	3 065	89.8	1 849	76.8	266
For-hire truck	24 291	52.0	2 305	67.6	1 692	70.3	427
Private truck	6 820	14.6	686	20.1	121	5.0	166
Rail	S	S	S	S	S	S	2 904
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	3 778	8.1	8	.2	8	.3	935
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**10 630**	**22.8**	**115**	**3.4**	**82**	**3.4**	**958**
Parcel, U.S. Postal Service or courier	10 598	22.7	111	3.3	77	3.2	958
Truck and rail	32	–	4	.1	S	S	1 335
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**286**

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	**7 029**	**100.0**	**70 170**	**100.0**	**12 166**	**100.0**	**94**
Single modes	**6 937**	**98.7**	**69 739**	**99.4**	**12 100**	**99.5**	**98**
Truck[1]	3 278	46.6	20 195	28.8	1 737	14.3	76
For-hire truck	1 571	22.4	11 602	16.5	1 257	10.3	152
Private truck	1 537	21.9	7 531	10.7	480	3.9	63
Rail	2 960	42.1	45 849	65.3	10 211	83.9	719
Water	S	S	S	S	S	S	61
Shallow draft	S	S	S	S	S	S	80
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	23
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**287**
Parcel, U.S. Postal Service or courier	S	S	S	S	–	–	251
Truck and rail	S	S	S	S	S	S	1 216
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**42**	**.6**	**196**	**.3**	**10**	**–**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**29 746**	**100.0**	**17 415**	**100.0**	**7 482**	**100.0**	**375**
Single modes	**26 467**	**89.0**	**16 414**	**94.3**	**6 661**	**89.0**	**221**
Truck[1]	25 534	85.8	15 224	87.4	5 297	70.8	217
For-hire truck	17 067	57.4	10 254	58.9	4 461	59.6	510
Private truck	7 723	26.0	4 722	27.1	748	10.0	47
Rail	859	2.9	1 175	6.7	1 354	18.1	1 289
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	57	.2	5	–	S	S	1 132
Pipeline[2]	17	–	10	–	S	S	S
Multiple modes	**2 432**	**8.2**	**558**	**3.2**	**776**	**10.4**	**750**
Parcel, U.S. Postal Service or courier	1 868	6.3	99	.6	53	.7	748
Truck and rail	561	1.9	446	2.6	723	9.7	1 616
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	64
Other and unknown modes	**846**	**2.8**	**443**	**2.5**	**45**	**.6**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**44 831**	**100.0**	**17 355**	**100.0**	**8 217**	**100.0**	**287**
Single modes	**40 006**	**89.2**	**16 462**	**94.9**	**7 384**	**89.9**	**174**
Truck[1]	38 687	86.3	15 369	88.6	6 371	77.5	158
For-hire truck	24 129	53.8	9 376	54.0	5 208	63.4	532
Private truck	14 457	32.2	5 956	34.3	1 141	13.9	58
Rail	1 064	2.4	1 058	6.1	990	12.0	1 065
Water	S	S	S	S	S	S	234
Shallow draft	S	S	S	S	S	S	235
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	213
Air (includes truck and air)	251	.6	S	S	23	.3	1 224
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**3 053**	**6.8**	**472**	**2.7**	**722**	**8.8**	**611**
Parcel, U.S. Postal Service or courier	2 581	5.8	142	.8	105	1.3	609
Truck and rail	S	S	321	1.8	612	7.4	2 193
Truck and water	S	S	S	S	S	S	2 169
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 772**	**4.0**	**420**	**2.4**	**111**	**1.4**	**40**

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	**2 835**	**100.0**	**118 542**	**100.0**	**6 808**	**100.0**	**56**
Single modes	**2 793**	**98.5**	**117 721**	**99.3**	**6 638**	**97.5**	**55**
Truck[1]	2 754	97.2	116 732	98.5	6 412	94.2	55
For-hire truck	1 231	43.4	54 079	45.6	S	S	68
Private truck	1 514	53.4	62 375	52.6	2 708	39.8	42
Rail	37	1.3	S	S	S	S	S
Water	S	S	S	S	S	S	70
Shallow draft	S	S	S	S	S	S	70
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	237
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**638**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 147
Truck and rail	S	S	S	S	S	S	375
Truck and water	S	S	S	S	S	S	406
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32**	**1.1**	**S**	**S**	**37**	**.5**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**24 018**	**100.0**	**80 147**	**100.0**	**14 305**	**100.0**	**252**
Single modes	**23 183**	**96.5**	**78 881**	**98.4**	**13 685**	**95.7**	**139**
Truck[1]	22 097	92.0	73 427	91.6	11 186	78.2	131
For-hire truck	10 873	45.3	33 968	42.4	7 473	52.2	270
Private truck	11 122	46.3	38 649	48.2	3 590	25.1	86
Rail	1 082	4.5	5 452	6.8	2 499	17.5	477
Water	S	S	S	S	S	S	35
Shallow draft	S	S	S	S	S	S	35
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 329
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**414**	**1.7**	**377**	**.5**	**469**	**3.3**	**696**
Parcel, U.S. Postal Service or courier	345	1.4	26	–	17	.1	694
Truck and rail	68	.3	349	.4	450	3.1	1 031
Truck and water	S	S	S	S	S	S	764
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**421**	**1.8**	**889**	**1.1**	**150**	**1.1**	**64**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**19 455**	**100.0**	**28 986**	**100.0**	**15 689**	**100.0**	**160**
Single modes	**18 926**	**97.3**	**28 459**	**98.2**	**15 264**	**97.3**	**135**
Truck[1]	14 326	73.6	18 175	62.7	8 467	54.0	121
For-hire truck	10 148	52.2	14 646	50.5	7 947	50.7	480
Private truck	4 035	20.7	3 407	11.8	515	3.3	47
Rail	4 583	23.6	10 279	35.5	6 794	43.3	663
Water	S	S	S	S	S	S	357
Shallow draft	S	S	S	S	S	S	357
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	1	–	S	S	857
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**314**	**1.6**	**220**	**.8**	**319**	**2.0**	**476**
Parcel, U.S. Postal Service or courier	165	.8	24	–	12	–	464
Truck and rail	149	.8	196	.7	307	2.0	1 603
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**215**	**1.1**	**308**	**1.1**	**106**	**.7**	**62**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment
	Number (million dollars)	Percent	Number (thousands)	Percent	Number (millions)	Percent	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**16 529**	**100.0**	**13 513**	**100.0**	**4 723**	**100.0**	**207**
Single modes	**15 492**	**93.7**	**13 154**	**97.3**	**4 562**	**96.6**	**139**
Truck[1]	15 295	92.5	12 572	93.0	4 067	86.1	132
For-hire truck	10 017	60.6	8 159	60.4	3 506	74.2	309
Private truck	5 218	31.6	4 390	32.5	551	11.7	90
Rail	175	1.1	577	4.3	490	10.4	884
Water	S	S	S	S	S	S	704
Shallow draft	S	S	S	S	S	S	704
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 389
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**615**	**3.7**	**124**	**.9**	**92**	**1.9**	**463**
Parcel, U.S. Postal Service or courier	523	3.2	69	.5	25	.5	462
Truck and rail	92	.6	55	.4	67	1.4	1 141
Truck and water	S	S	S	S	S	S	7 386
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**421**	**2.5**	**234**	**1.7**	**69**	**1.5**	**50**
SCTG 29, PRINTED PRODUCTS							
Total	**30 993**	**100.0**	**13 829**	**100.0**	**2 435**	**100.0**	**573**
Single modes	**22 753**	**73.4**	**12 785**	**92.5**	**2 155**	**88.5**	**125**
Truck[1]	22 225	71.7	12 735	92.1	2 095	86.0	76
For-hire truck	10 009	32.3	5 176	37.4	1 613	66.2	258
Private truck	12 191	39.3	7 553	54.6	481	19.7	32
Rail	S	S	S	S	S	S	839
Water	S	S	S	S	S	S	1
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	460	1.5	38	.3	50	2.0	788
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**6 656**	**21.5**	**325**	**2.4**	**234**	**9.6**	**796**
Parcel, U.S. Postal Service or courier	6 563	21.2	311	2.3	226	9.3	796
Truck and rail	S	S	S	S	8	.3	2 569
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 584**	**5.1**	**718**	**5.2**	**46**	**1.9**	**97**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**136 751**	**100.0**	**23 745**	**100.0**	**11 462**	**100.0**	**828**
Single modes	**123 887**	**90.6**	**22 838**	**96.2**	**10 683**	**93.2**	**714**
Truck[1]	123 258	90.1	22 538	94.9	10 272	89.6	662
For-hire truck	78 292	57.3	13 471	56.7	8 241	71.9	840
Private truck	43 901	32.1	8 851	37.3	1 936	16.9	221
Rail	S	S	S	S	S	S	739
Water	S	S	S	S	S	S	1
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1
Air (includes truck and air)	377	.3	17	–	19	.2	1 729
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**9 949**	**7.3**	**487**	**2.1**	**595**	**5.2**	**922**
Parcel, U.S. Postal Service or courier	9 480	6.9	356	1.5	292	2.5	921
Truck and rail	S	S	S	S	S	S	2 300
Truck and water	S	S	S	S	S	S	3 052
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	74
Other and unknown modes	**2 915**	**2.1**	**420**	**1.8**	**184**	**1.6**	**163**

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	**18 460**	**100.0**	**153 398**	**100.0**	**13 791**	**100.0**	**244**
Single modes	**17 507**	**94.8**	**150 782**	**98.3**	**12 892**	**93.5**	**88**
Truck[1]	16 817	91.1	148 082	96.5	10 917	79.2	84
For-hire truck	8 469	45.9	35 218	23.0	6 829	49.5	323
Private truck	8 209	44.5	110 438	72.0	3 836	27.8	38
Rail	256	1.4	2 526	1.6	1 946	14.1	623
Water	20	.1	162	.1	S	S	82
Shallow draft	20	.1	162	.1	S	S	82
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 337
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**551**	**3.0**	**802**	**.5**	**249**	**1.8**	**975**
Parcel, U.S. Postal Service or courier	497	2.7	26	–	21	.2	978
Truck and rail	39	.2	735	.5	212	1.5	368
Truck and water	S	S	S	S	S	S	395
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	340
Other and unknown modes	**401**	**2.2**	**1 814**	**1.2**	**650**	**4.7**	**96**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**26 700**	**100.0**	**31 097**	**100.0**	**9 063**	**100.0**	**194**
Single modes	**25 489**	**95.5**	**29 561**	**95.1**	**7 949**	**87.7**	**127**
Truck[1]	24 016	89.9	26 002	83.6	6 186	68.3	123
For-hire truck	14 843	55.6	14 067	45.2	4 869	53.7	409
Private truck	9 063	33.9	11 490	36.9	1 255	13.8	60
Rail	1 218	4.6	3 474	11.2	1 663	18.4	482
Water	S	S	S	S	S	S	1 204
Shallow draft	S	S	S	S	S	S	1 204
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	11	–	13	.1	1 217
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**584**	**2.2**	**52**	**.2**	**42**	**.5**	**592**
Parcel, U.S. Postal Service or courier	555	2.1	29	–	14	.2	592
Truck and rail	29	.1	21	–	25	.3	1 165
Truck and water	S	S	S	S	S	S	1 254
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**626**	**2.3**	**1 484**	**4.8**	**1 072**	**11.8**	**147**
SCTG 33, ARTICLES OF BASE METAL							
Total	**27 155**	**100.0**	**11 205**	**100.0**	**4 072**	**100.0**	**306**
Single modes	**21 859**	**80.5**	**10 492**	**93.6**	**3 398**	**83.4**	**164**
Truck[1]	21 404	78.8	10 226	91.3	3 127	76.8	147
For-hire truck	11 438	42.1	5 136	45.8	2 314	56.8	571
Private truck	9 874	36.4	5 044	45.0	786	19.3	47
Rail	S	S	S	S	S	S	1 823
Water	S	S	S	S	S	S	753
Shallow draft	S	S	S	S	S	S	312
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	4 956
Air (includes truck and air)	239	.9	33	.3	S	S	1 166
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**4 217**	**15.5**	**171**	**1.5**	**138**	**3.4**	**520**
Parcel, U.S. Postal Service or courier	4 167	15.3	151	1.3	85	2.1	520
Truck and rail	42	.2	18	.2	41	1.0	2 115
Truck and water	S	S	S	S	S	S	7 058
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**1 079**	**4.0**	**543**	**4.8**	**536**	**13.2**	**106**

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	**56 387**	**100.0**	**5 458**	**100.0**	**2 904**	**100.0**	**265**
Single modes	**45 393**	**80.5**	**4 928**	**90.3**	**2 649**	**91.2**	**152**
Truck[1]	43 316	76.8	4 862	89.1	2 593	89.3	128
For-hire truck	30 778	54.6	3 526	64.6	2 324	80.0	431
Private truck	12 414	22.0	1 329	24.4	267	9.2	43
Rail	S	S	49	.9	35	1.2	965
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	1 119	2.0	16	.3	21	.7	1 038
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**8 480**	**15.0**	**268**	**4.9**	**191**	**6.6**	**431**
Parcel, U.S. Postal Service or courier	8 153	14.5	230	4.2	102	3.5	430
Truck and rail	309	.5	36	.7	74	2.6	2 126
Truck and water	18	–	S	S	S	S	7 447
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**2 514**	**4.5**	**261**	**4.8**	**65**	**2.2**	**46**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**112 407**	**100.0**	**5 964**	**100.0**	**3 456**	**100.0**	**493**
Single modes	**75 625**	**67.3**	**5 135**	**86.1**	**2 996**	**86.7**	**237**
Truck[1]	67 627	60.2	5 014	84.1	2 864	82.9	165
For-hire truck	44 122	39.3	2 992	50.2	2 158	62.5	651
Private truck	22 965	20.4	1 972	33.1	S	S	52
Rail	S	S	S	S	S	S	1 130
Water	S	S	S	S	S	S	51
Shallow draft	S	S	S	S	S	S	17
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	58
Air (includes truck and air)	7 764	6.9	78	1.3	89	2.6	1 170
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**29 719**	**26.4**	**429**	**7.2**	**349**	**10.1**	**767**
Parcel, U.S. Postal Service or courier	29 540	26.3	397	6.7	253	7.3	765
Truck and rail	169	.2	31	.5	S	S	2 741
Truck and water	S	S	S	S	S	S	7 782
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	88
Other and unknown modes	**7 062**	**6.3**	**401**	**6.7**	**111**	**3.2**	**55**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**67 636**	**100.0**	**9 550**	**100.0**	**4 659**	**100.0**	**246**
Single modes	**58 308**	**86.2**	**8 441**	**88.4**	**4 100**	**88.0**	**105**
Truck[1]	49 020	72.5	7 530	78.8	3 207	68.8	72
For-hire truck	36 541	54.0	5 368	56.2	2 455	52.7	439
Private truck	12 098	17.9	2 150	22.5	750	16.1	26
Rail	8 471	12.5	865	9.1	853	18.3	964
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	817	1.2	45	.5	40	.9	942
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**4 771**	**7.1**	**297**	**3.1**	**217**	**4.6**	**573**
Parcel, U.S. Postal Service or courier	3 580	5.3	178	1.9	90	1.9	572
Truck and rail	S	S	119	1.2	125	2.7	1 030
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	7 000
Other multiple modes	S	S	S	S	S	S	53
Other and unknown modes	**4 558**	**6.7**	**812**	**8.5**	**342**	**7.3**	**67**

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	**15 188**	**100.0**	**921**	**100.0**	**625**	**100.0**	**858**
Single modes	**12 607**	**83.0**	**887**	**96.3**	**588**	**94.1**	**848**
Truck[1]	8 643	56.9	415	45.1	237	37.9	350
For-hire truck	5 511	36.3	274	29.8	175	28.0	782
Private truck	3 014	19.8	140	15.2	61	9.8	S
Rail	844	5.6	460	50.0	340	54.4	730
Water	155	1.0	4	.4	S	S	177
Shallow draft	72	.5	2	.2	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	388
Air (includes truck and air)	2 965	19.5	7	.8	10	1.7	1 337
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**2 341**	**15.4**	**20**	**2.2**	**30**	**4.7**	**886**
Parcel, U.S. Postal Service or courier	2 249	14.8	9	1.0	7	1.2	885
Truck and rail	S	S	S	S	S	S	1 742
Truck and water	S	S	S	S	S	S	21
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	489
Other and unknown modes	**241**	**1.6**	**14**	**1.6**	**7**	**1.2**	**513**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**21 224**	**100.0**	**764**	**100.0**	**524**	**100.0**	**713**
Single modes	**11 528**	**54.3**	**639**	**83.5**	**418**	**79.7**	**501**
Truck[1]	9 512	44.8	581	76.0	386	73.7	296
For-hire truck	7 067	33.3	483	63.2	378	72.1	377
Private truck	2 414	11.4	98	12.8	8	1.5	122
Rail	S	S	S	S	S	S	3 165
Water	S	S	S	S	S	S	2
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	2
Air (includes truck and air)	2 015	9.5	S	S	31	6.0	874
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**8 860**	**41.7**	**98**	**12.8**	**85**	**16.3**	**833**
Parcel, U.S. Postal Service or courier	8 836	41.6	93	12.2	73	13.8	833
Truck and rail	S	S	S	S	S	S	2 056
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**835**	**3.9**	**28**	**3.7**	**S**	**S**	**S**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**19 458**	**100.0**	**4 115**	**100.0**	**2 130**	**100.0**	**533**
Single modes	**18 322**	**94.2**	**3 989**	**96.9**	**2 020**	**94.9**	**465**
Truck[1]	18 166	93.4	3 981	96.7	2 005	94.1	455
For-hire truck	11 537	59.3	2 681	65.1	1 701	79.9	702
Private truck	6 242	32.1	1 238	30.1	268	12.6	142
Rail	S	S	S	S	S	S	2 979
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	136	.7	4	.1	5	.2	1 401
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**706**	**3.6**	**64**	**1.6**	**63**	**3.0**	**834**
Parcel, U.S. Postal Service or courier	632	3.2	49	1.2	41	1.9	830
Truck and rail	63	.3	14	.3	13	.6	1 557
Truck and water	S	S	S	S	S	S	7 596
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**430**	**2.2**	**62**	**1.5**	**46**	**2.2**	**77**

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	**53 033**	**100.0**	**20 925**	**100.0**	**5 686**	**100.0**	**729**
Single modes	**37 874**	**71.4**	**19 554**	**93.4**	**5 089**	**89.5**	**342**
Truck[1]	36 583	69.0	19 077	91.2	4 726	83.1	307
For-hire truck	19 060	35.9	8 062	38.5	3 371	59.3	580
Private truck	17 329	32.7	10 954	52.3	1 327	23.3	213
Rail	S	S	S	S	S	S	1 013
Water	S	S	S	S	S	S	624
Shallow draft	S	S	S	S	S	S	5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	1 906
Air (includes truck and air)	985	1.9	15	–	20	.3	1 474
Pipeline[2]	S	S	S	S	S	S	S
Multiple modes	**12 749**	**24.0**	**450**	**2.2**	**354**	**6.2**	**914**
Parcel, U.S. Postal Service or courier	12 571	23.7	373	1.8	261	4.6	914
Truck and rail	173	.3	76	.4	88	1.6	1 259
Truck and water	S	S	S	S	S	S	7 115
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	135
Other and unknown modes	**2 410**	**4.5**	**921**	**4.4**	**243**	**4.3**	**154**
SCTG 41, WASTE AND SCRAP							
Total	**3 831**	**100.0**	**19 692**	**100.0**	**5 438**	**100.0**	**181**
Single modes	**3 681**	**96.1**	**19 136**	**97.2**	**5 202**	**95.7**	**175**
Truck[1]	2 999	78.3	13 931	70.7	3 465	63.7	160
For-hire truck	1 908	49.8	9 707	49.3	2 935	54.0	264
Private truck	1 087	28.4	4 188	21.3	526	9.7	67
Rail	654	17.1	4 942	25.1	1 688	31.0	380
Water	S	S	S	S	S	S	245
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	245
Air (includes truck and air)	S	S	S	S	S	S	277
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**96**	**2.5**	**S**	**S**	**S**	**S**	**1 090**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 608
Truck and rail	92	2.4	S	S	S	S	1 110
Truck and water	S	S	S	S	S	S	224
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**295**
SCTG 43, MIXED FREIGHT							
Total	**58 371**	**100.0**	**25 455**	**100.0**	**3 007**	**100.0**	**161**
Single modes	**56 863**	**97.4**	**25 222**	**99.1**	**2 948**	**98.1**	**116**
Truck[1]	56 787	97.3	25 218	99.1	2 946	98.0	95
For-hire truck	2 978	5.1	1 787	7.0	576	19.2	281
Private truck	53 749	92.1	23 420	92.0	2 364	78.6	89
Rail	S	S	S	S	S	S	44
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	1 487
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**1 078**	**1.8**	**S**	**S**	**S**	**S**	**291**
Parcel, U.S. Postal Service or courier	1 078	1.8	S	S	S	S	291
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**430**	**.7**	**100**	**.4**	**21**	**.7**	**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	**5 234**	**100.0**	**3 274**	**100.0**	**756**	**100.0**	**333**
Single modes	**4 543**	**86.8**	**2 855**	**87.2**	**675**	**89.2**	**277**
Truck[1]	4 393	83.9	2 779	84.9	610	80.7	202
For-hire truck	2 876	55.0	1 415	43.2	455	60.2	518
Private truck	1 515	28.9	1 364	41.7	155	20.5	104
Rail	S	S	S	S	S	S	1 233
Water	S	S	S	S	S	S	2 959
Shallow draft	S	S	S	S	S	S	204
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	5 715
Air (includes truck and air)	S	S	S	S	S	S	1 170
Pipeline[2]	–	–	–	–	S	S	S
Multiple modes	**384**	**7.3**	**27**	**.8**	**11**	**1.4**	**457**
Parcel, U.S. Postal Service or courier	375	7.2	15	.5	9	1.1	457
Truck and rail	S	S	S	S	S	S	202
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**307**	**5.9**	**S**	**S**	**S**	**S**	**S**

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

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**1 074 991**	**1 810 297**	**320 689**
Less than 50 miles	328 492	1 048 486	22 887
50 to 99 miles	103 185	210 595	19 335
100 to 249 miles	191 386	254 719	60 469
250 to 499 miles	173 276	186 147	91 086
500 to 749 miles	122 455	56 510	46 866
750 to 999 miles	56 123	26 952	30 039
1,000 to 1,499 miles	44 803	16 713	23 971
1,500 to 1,999 miles	17 103	3 186	6 841
2,000 miles or more	38 168	6 990	19 195
SCTG 01, Live animals and live fish	**664**	**S**	**192**
Less than 50 miles	139	S	S
50 to 99 miles	102	S	S
100 to 249 miles	S	S	S
250 to 499 miles	95	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	61	46	59
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**1 739**	**11 957**	**S**
Less than 50 miles	548	4 414	144
50 to 99 miles	224	1 872	175
100 to 249 miles	216	1 746	384
250 to 499 miles	64	549	240
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 03, Other agricultural products	**14 751**	**18 154**	**5 353**
Less than 50 miles	5 529	7 674	217
50 to 99 miles	1 755	2 602	253
100 to 249 miles	3 669	3 013	608
250 to 499 miles	1 533	1 848	849
500 to 749 miles	741	944	739
750 to 999 miles	547	S	S
1,000 to 1,499 miles	730	777	1 010
1,500 to 1,999 miles	48	54	S
2,000 miles or more	199	110	308
SCTG 04, Animal feed and products of animal origin, n.e.c.	**7 577**	**29 312**	**3 190**
Less than 50 miles	4 204	20 402	588
50 to 99 miles	908	3 447	321
100 to 249 miles	1 216	2 935	592
250 to 499 miles	648	1 464	632
500 to 749 miles	276	643	476
750 to 999 miles	S	274	312
1,000 to 1,499 miles	53	106	163
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	29	85
SCTG 05, Meat, fish, seafood, and their preparations	**27 745**	**13 895**	**5 070**
Less than 50 miles	7 385	3 369	94
50 to 99 miles	2 820	1 485	144
100 to 249 miles	6 047	3 300	678
250 to 499 miles	5 493	3 013	1 306
500 to 749 miles	3 249	1 579	1 175
750 to 999 miles	1 034	354	362
1,000 to 1,499 miles	1 006	S	S
1,500 to 1,999 miles	226	73	146
2,000 miles or more	485	189	492
SCTG 06, Milled grain products and preparations, and bakery products	**12 315**	**9 102**	**2 580**
Less than 50 miles	3 910	2 524	78
50 to 99 miles	2 038	2 009	183
100 to 249 miles	2 254	1 879	372
250 to 499 miles	1 914	1 373	620
500 to 749 miles	1 356	817	607
750 to 999 miles	471	279	278
1,000 to 1,499 miles	145	93	127
1,500 to 1,999 miles	96	49	105
2,000 miles or more	129	80	210
SCTG 07, Other prepared foodstuffs and fats and oils	**45 435**	**60 353**	**13 373**
Less than 50 miles	18 730	26 726	665
50 to 99 miles	5 786	9 693	871
100 to 249 miles	8 801	11 756	2 271
250 to 499 miles	5 371	5 758	2 545
500 to 749 miles	2 973	2 693	2 041
750 to 999 miles	1 579	1 420	1 460
1,000 to 1,499 miles	1 351	1 869	2 376
1,500 to 1,999 miles	280	111	229
2,000 miles or more	563	328	916

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	**14 271**	**13 031**	**1 846**
Less than 50 miles	9 873	7 846	151
50 to 99 miles	959	599	52
100 to 249 miles	1 819	2 258	472
250 to 499 miles	1 303	1 895	793
500 to 749 miles	216	333	245
750 to 999 miles	55	59	65
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	**29 222**	**2 579**	**661**
Less than 50 miles	10 834	1 849	S
50 to 99 miles	688	71	7
100 to 249 miles	1 459	131	26
250 to 499 miles	6 043	206	98
500 to 749 miles	4 092	130	97
750 to 999 miles	1 537	48	51
1,000 to 1,499 miles	1 520	47	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	2 555	83	237
SCTG 10, Monumental or building stone	**403**	**4 490**	**241**
Less than 50 miles	177	3 858	33
50 to 99 miles	28	126	S
100 to 249 miles	S	275	63
250 to 499 miles	52	144	61
500 to 749 miles	36	67	47
750 to 999 miles	8	15	16
1,000 to 1,499 miles	S	1	2
1,500 to 1,999 miles	S	S	S
2,000 miles or more	1	S	S
SCTG 11, Natural sands	**801**	**74 591**	**3 807**
Less than 50 miles	464	56 764	1 303
50 to 99 miles	104	13 274	1 217
100 to 249 miles	81	3 688	711
250 to 499 miles	72	621	299
500 to 749 miles	25	71	48
750 to 999 miles	39	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	9	23
SCTG 12, Gravel and crushed stone	**2 446**	**370 160**	**18 104**
Less than 50 miles	2 093	322 578	5 139
50 to 99 miles	127	16 498	1 585
100 to 249 miles	159	21 000	4 423
250 to 499 miles	40	6 432	2 823
500 to 749 miles	6	S	S
750 to 999 miles	17	2 683	3 051
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**3 087**	**46 734**	**13 492**
Less than 50 miles	761	29 757	918
50 to 99 miles	150	1 637	173
100 to 249 miles	736	5 102	1 143
250 to 499 miles	537	2 793	1 409
500 to 749 miles	347	2 029	1 758
750 to 999 miles	227	2 512	3 067
1,000 to 1,499 miles	247	2 286	3 361
1,500 to 1,999 miles	19	204	423
2,000 miles or more	62	415	1 239
SCTG 14, Metallic ores and concentrates	**594**	**1 243**	**444**
Less than 50 miles	80	S	S
50 to 99 miles	S	56	6
100 to 249 miles	141	238	54
250 to 499 miles	125	148	74
500 to 749 miles	62	187	S
750 to 999 miles	S	50	54
1,000 to 1,499 miles	S	38	62
1,500 to 1,999 miles	S	4	8
2,000 miles or more	S	S	S
SCTG 15, Coal	**6 680**	**250 260**	**82 486**
Less than 50 miles	1 467	60 539	1 742
50 to 99 miles	600	20 686	2 281
100 to 249 miles	1 891	72 655	23 548
250 to 499 miles	2 512	88 649	45 500
500 to 749 miles	190	7 028	8 391
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–

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	**29 314**	**119 799**	**7 421**
Less than 50 miles	21 352	84 260	1 688
50 to 99 miles	4 139	18 309	1 602
100 to 249 miles	3 088	13 841	2 477
250 to 499 miles	603	2 796	1 238
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 18, Fuel oils	**10 516**	**53 124**	**2 972**
Less than 50 miles	7 800	38 374	617
50 to 99 miles	1 345	7 309	626
100 to 249 miles	1 193	6 481	1 266
250 to 499 miles	170	928	426
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 19, Coal and petroleum products, n.e.c.	**5 358**	**27 834**	**4 175**
Less than 50 miles	2 661	17 507	387
50 to 99 miles	704	2 176	193
100 to 249 miles	1 066	4 233	831
250 to 499 miles	632	3 537	S
500 to 749 miles	146	167	127
750 to 999 miles	109	S	S
1,000 to 1,499 miles	21	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	17	S	S
SCTG 20, Basic chemicals	**18 098**	**23 748**	**8 568**
Less than 50 miles	3 216	6 554	153
50 to 99 miles	1 721	3 692	372
100 to 249 miles	4 520	6 604	1 430
250 to 499 miles	3 142	2 865	1 460
500 to 749 miles	2 366	1 725	1 352
750 to 999 miles	1 577	1 245	1 532
1,000 to 1,499 miles	851	474	690
1,500 to 1,999 miles	147	95	210
2,000 miles or more	558	494	1 369
SCTG 21, Pharmaceutical products	**46 708**	**3 412**	**2 408**
Less than 50 miles	10 999	525	11
50 to 99 miles	3 997	257	26
100 to 249 miles	11 424	470	98
250 to 499 miles	8 523	801	387
500 to 749 miles	4 521	685	520
750 to 999 miles	2 528	162	166
1,000 to 1,499 miles	2 608	139	S
1,500 to 1,999 miles	418	11	23
2,000 miles or more	1 690	S	S
SCTG 22, Fertilizers	**7 029**	**70 170**	**12 166**
Less than 50 miles	4 297	56 048	1 732
50 to 99 miles	505	2 056	200
100 to 249 miles	588	2 672	565
250 to 499 miles	471	3 024	1 533
500 to 749 miles	355	2 078	1 868
750 to 999 miles	346	1 929	2 293
1,000 to 1,499 miles	442	2 259	3 731
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**29 746**	**17 415**	**7 482**
Less than 50 miles	8 299	4 478	110
50 to 99 miles	2 177	1 667	160
100 to 249 miles	5 192	4 116	871
250 to 499 miles	5 532	2 861	1 309
500 to 749 miles	4 658	2 275	1 727
750 to 999 miles	1 641	894	953
1,000 to 1,499 miles	863	522	760
1,500 to 1,999 miles	312	170	356
2,000 miles or more	1 071	432	1 235
SCTG 24, Plastics and rubber	**44 831**	**17 355**	**8 217**
Less than 50 miles	10 553	4 221	103
50 to 99 miles	4 166	1 695	158
100 to 249 miles	7 666	3 343	727
250 to 499 miles	9 617	3 639	1 713
500 to 749 miles	5 898	2 042	1 560
750 to 999 miles	2 655	1 000	1 059
1,000 to 1,499 miles	1 889	662	937
1,500 to 1,999 miles	582	139	302
2,000 miles or more	1 804	614	1 659

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	**2 835**	**118 542**	**6 808**
Less than 50 miles	1 630	69 783	1 990
50 to 99 miles	747	S	S
100 to 249 miles	336	7 418	1 245
250 to 499 miles	83	S	S
500 to 749 miles	22	82	66
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 26, Wood products	**24 018**	**80 147**	**14 305**
Less than 50 miles	7 317	33 546	1 094
50 to 99 miles	3 689	18 074	1 662
100 to 249 miles	6 007	16 063	3 300
250 to 499 miles	3 920	7 614	3 395
500 to 749 miles	1 824	3 191	2 378
750 to 999 miles	598	939	1 046
1,000 to 1,499 miles	260	339	469
1,500 to 1,999 miles	167	161	351
2,000 miles or more	236	220	609
SCTG 27, Pulp, newsprint, paper, and paperboard	**19 455**	**28 986**	**15 689**
Less than 50 miles	4 239	4 729	112
50 to 99 miles	1 472	2 084	224
100 to 249 miles	3 461	5 526	1 315
250 to 499 miles	3 880	6 359	3 284
500 to 749 miles	3 443	5 485	4 473
750 to 999 miles	1 891	3 258	3 571
1,000 to 1,499 miles	680	1 131	1 630
1,500 to 1,999 miles	115	104	228
2,000 miles or more	274	311	853
SCTG 28, Paper or paperboard articles	**16 529**	**13 513**	**4 723**
Less than 50 miles	4 527	3 507	93
50 to 99 miles	1 856	1 921	180
100 to 249 miles	3 231	3 116	640
250 to 499 miles	3 303	2 408	1 073
500 to 749 miles	2 069	1 417	1 068
750 to 999 miles	893	724	747
1,000 to 1,499 miles	247	142	198
1,500 to 1,999 miles	142	93	210
2,000 miles or more	261	186	513
SCTG 29, Printed products	**30 993**	**13 829**	**2 435**
Less than 50 miles	16 369	9 567	161
50 to 99 miles	1 795	735	66
100 to 249 miles	2 761	968	202
250 to 499 miles	3 231	1 175	531
500 to 749 miles	2 610	801	590
750 to 999 miles	1 646	275	276
1,000 to 1,499 miles	1 103	140	189
1,500 to 1,999 miles	452	44	90
2,000 miles or more	1 025	125	331
SCTG 30, Textiles, leather, and articles of textiles or leather	**136 751**	**23 745**	**11 462**
Less than 50 miles	26 777	5 349	135
50 to 99 miles	S	2 400	233
100 to 249 miles	27 887	5 179	1 061
250 to 499 miles	22 968	4 545	2 117
500 to 749 miles	17 795	2 918	2 164
750 to 999 miles	6 825	1 049	1 087
1,000 to 1,499 miles	5 787	831	1 166
1,500 to 1,999 miles	3 456	728	1 527
2,000 miles or more	5 206	746	1 973
SCTG 31, Nonmetallic mineral products	**18 460**	**153 398**	**13 791**
Less than 50 miles	7 831	111 637	2 056
50 to 99 miles	1 740	15 554	1 406
100 to 249 miles	3 750	15 494	3 093
250 to 499 miles	2 421	6 678	2 882
500 to 749 miles	1 302	2 240	1 681
750 to 999 miles	638	787	840
1,000 to 1,499 miles	285	697	S
1,500 to 1,999 miles	111	40	87
2,000 miles or more	381	272	773
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 700**	**31 097**	**9 063**
Less than 50 miles	7 432	10 211	308
50 to 99 miles	2 820	4 473	429
100 to 249 miles	5 454	6 619	1 430
250 to 499 miles	5 908	5 576	2 583
500 to 749 miles	2 964	2 740	2 071
750 to 999 miles	1 074	953	1 079
1,000 to 1,499 miles	507	197	282
1,500 to 1,999 miles	109	53	110
2,000 miles or more	431	274	772

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	**27 155**	**11 205**	**4 072**
Less than 50 miles	8 307	3 479	74
50 to 99 miles	2 591	1 359	128
100 to 249 miles	4 492	2 080	419
250 to 499 miles	5 111	2 233	1 002
500 to 749 miles	3 037	1 018	749
750 to 999 miles	1 584	437	447
1,000 to 1,499 miles	995	266	366
1,500 to 1,999 miles	296	67	168
2,000 miles or more	741	266	719
SCTG 34, Machinery	**56 387**	**5 458**	**2 904**
Less than 50 miles	11 473	1 295	30
50 to 99 miles	5 472	470	44
100 to 249 miles	9 173	920	202
250 to 499 miles	10 635	1 052	500
500 to 749 miles	7 918	743	558
750 to 999 miles	4 184	397	402
1,000 to 1,499 miles	3 317	258	358
1,500 to 1,999 miles	1 007	101	218
2,000 miles or more	3 208	220	593
SCTG 35, Electronic and other electrical equipment and components and office equipment	**112 407**	**5 964**	**3 456**
Less than 50 miles	30 282	1 762	33
50 to 99 miles	4 586	272	24
100 to 249 miles	10 769	636	144
250 to 499 miles	20 418	994	470
500 to 749 miles	16 781	1 172	882
750 to 999 miles	8 400	396	416
1,000 to 1,499 miles	9 892	235	325
1,500 to 1,999 miles	3 991	303	628
2,000 miles or more	7 286	194	532
SCTG 36, Motorized and other vehicles (including parts)	**67 636**	**9 550**	**4 659**
Less than 50 miles	15 560	2 602	73
50 to 99 miles	3 940	562	50
100 to 249 miles	11 018	1 415	320
250 to 499 miles	13 382	2 142	1 062
500 to 749 miles	14 455	1 725	1 326
750 to 999 miles	3 790	485	515
1,000 to 1,499 miles	1 956	245	354
1,500 to 1,999 miles	681	64	133
2,000 miles or more	2 855	311	826
SCTG 37, Transportation equipment, n.e.c.	**15 188**	**921**	**625**
Less than 50 miles	2 859	S	S
50 to 99 miles	220	14	1
100 to 249 miles	S	100	23
250 to 499 miles	1 752	281	173
500 to 749 miles	2 455	220	182
750 to 999 miles	1 727	101	117
1,000 to 1,499 miles	937	23	31
1,500 to 1,999 miles	S	14	31
2,000 miles or more	1 161	20	60
SCTG 38, Precision instruments and apparatus	**21 224**	**764**	**524**
Less than 50 miles	4 212	125	3
50 to 99 miles	839	S	S
100 to 249 miles	2 322	92	17
250 to 499 miles	3 105	127	52
500 to 749 miles	2 909	170	128
750 to 999 miles	2 882	56	57
1,000 to 1,499 miles	2 222	31	43
1,500 to 1,999 miles	684	9	18
2,000 miles or more	2 049	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**19 458**	**4 115**	**2 130**
Less than 50 miles	4 529	748	18
50 to 99 miles	1 437	402	36
100 to 249 miles	2 839	645	137
250 to 499 miles	4 127	1 036	482
500 to 749 miles	3 263	707	525
750 to 999 miles	1 383	269	280
1,000 to 1,499 miles	659	113	154
1,500 to 1,999 miles	333	52	112
2,000 miles or more	886	142	386
SCTG 40, Miscellaneous manufactured products	**53 033**	**20 925**	**5 686**
Less than 50 miles	11 604	8 754	185
50 to 99 miles	4 339	2 246	211
100 to 249 miles	11 764	4 602	946
250 to 499 miles	8 687	2 701	1 220
500 to 749 miles	6 094	1 152	854
750 to 999 miles	3 302	664	705
1,000 to 1,499 miles	3 422	422	585
1,500 to 1,999 miles	1 196	104	227
2,000 miles or more	2 624	280	754

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	**3 831**	**19 692**	**5 438**
Less than 50 miles	1 311	5 998	143
50 to 99 miles	339	2 734	269
100 to 249 miles	662	4 446	934
250 to 499 miles	814	3 896	1 753
500 to 749 miles	496	2 035	1 522
750 to 999 miles	125	290	311
1,000 to 1,499 miles	76	232	346
1,500 to 1,999 miles	S	S	S
2,000 miles or more	7	S	S
SCTG 43, Mixed freight	**58 371**	**25 455**	**3 007**
Less than 50 miles	25 860	12 801	396
50 to 99 miles	9 603	4 578	431
100 to 249 miles	17 996	6 545	1 215
250 to 499 miles	S	1 049	444
500 to 749 miles	474	232	169
750 to 999 miles	162	53	49
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
Commodity unknown	**5 234**	**3 274**	**756**
Less than 50 miles	998	1 285	27
50 to 99 miles	577	581	53
100 to 249 miles	1 433	830	162
250 to 499 miles	1 110	289	133
500 to 749 miles	469	106	77
750 to 999 miles	213	S	S
1,000 to 1,499 miles	156	26	33
1,500 to 1,999 miles	38	3	7
2,000 miles or more	S	S	S

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

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

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

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

SCTG code, description, and shipment size	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**1 074 991**	**1 810 297**	**320 689**
Less than 50 lb	108 425	2 856	1 137
50 to 99 lb	33 900	2 238	569
100 to 499 lb	100 625	14 048	2 787
500 to 749 lb	30 678	6 548	1 336
750 to 999 lb	21 176	5 491	1 094
1,000 to 9,999 lb	254 492	87 832	17 397
10,000 to 49,999 lb	426 057	824 853	119 628
50,000 to 99,999 lb	51 773	383 928	27 553
100,000 lb or more	47 865	482 504	149 189
SCTG 01, Live animals and live fish	**664**	**S**	**192**
Less than 50 lb	10	1	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	128
50,000 to 99,999 lb	45	34	19
100,000 lb or more	S	S	37
SCTG 02, Cereal grains	**1 739**	**11 957**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	–	S	S
100 to 499 lb	S	11	S
500 to 749 lb	2	6	S
750 to 999 lb	S	4	S
1,000 to 9,999 lb	50	173	8
10,000 to 49,999 lb	185	1 385	134
50,000 to 99,999 lb	394	3 382	262
100,000 lb or more	S	6 996	S
SCTG 03, Other agricultural products	**14 751**	**18 154**	**5 353**
Less than 50 lb	727	110	S
50 to 99 lb	291	62	9
100 to 499 lb	788	411	52
500 to 749 lb	376	232	29
750 to 999 lb	266	235	23
1,000 to 9,999 lb	3 007	3 086	548
10,000 to 49,999 lb	6 890	8 604	2 911
50,000 to 99,999 lb	1 091	3 022	377
100,000 lb or more	1 315	2 391	1 357
SCTG 04, Animal feed and products of animal origin, n.e.c.	**7 577**	**29 312**	**3 190**
Less than 50 lb	S	S	1
50 to 99 lb	9	12	–
100 to 499 lb	94	139	6
500 to 749 lb	70	69	6
750 to 999 lb	49	43	4
1,000 to 9,999 lb	817	1 281	110
10,000 to 49,999 lb	5 245	21 402	1 974
50,000 to 99,999 lb	1 013	4 773	516
100,000 lb or more	244	1 578	574
SCTG 05, Meat, fish, seafood, and their preparations	**27 745**	**13 895**	**5 070**
Less than 50 lb	391	44	S
50 to 99 lb	620	97	10
100 to 499 lb	2 131	519	45
500 to 749 lb	715	210	23
750 to 999 lb	540	206	28
1,000 to 9,999 lb	7 515	3 184	847
10,000 to 49,999 lb	14 937	8 815	3 835
50,000 to 99,999 lb	518	437	149
100,000 lb or more	377	382	125
SCTG 06, Milled grain products and preparations, and bakery products	**12 315**	**9 102**	**2 580**
Less than 50 lb	287	76	6
50 to 99 lb	219	71	5
100 to 499 lb	1 073	348	21
500 to 749 lb	414	153	13
750 to 999 lb	323	124	18
1,000 to 9,999 lb	2 413	1 395	300
10,000 to 49,999 lb	7 001	6 210	2 123
50,000 to 99,999 lb	179	554	77
100,000 lb or more	S	171	18
SCTG 07, Other prepared foodstuffs and fats and oils	**45 435**	**60 353**	**13 373**
Less than 50 lb	498	121	12
50 to 99 lb	543	272	16
100 to 499 lb	3 066	2 409	111
500 to 749 lb	1 098	1 063	49
750 to 999 lb	853	857	38
1,000 to 9,999 lb	9 136	8 933	886
10,000 to 49,999 lb	26 887	38 313	8 570
50,000 to 99,999 lb	1 101	2 958	S
100,000 lb or more	2 254	5 428	3 302

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	**14 271**	**13 031**	**1 846**
Less than 50 lb	218	40	1
50 to 99 lb	255	82	3
100 to 499 lb	2 052	1 129	30
500 to 749 lb	996	658	17
750 to 999 lb	744	570	14
1,000 to 9,999 lb	5 087	4 105	104
10,000 to 49,999 lb	4 093	5 186	1 481
50,000 to 99,999 lb	661	1 033	147
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**29 222**	**2 579**	**661**
Less than 50 lb	545	15	6
50 to 99 lb	363	13	1
100 to 499 lb	1 251	51	9
500 to 749 lb	248	15	4
750 to 999 lb	94	6	2
1,000 to 9,999 lb	710	54	19
10,000 to 49,999 lb	25 847	2 393	592
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**403**	**4 490**	**241**
Less than 50 lb	S	S	S
50 to 99 lb	2	–	S
100 to 499 lb	24	9	1
500 to 749 lb	10	5	1
750 to 999 lb	4	S	1
1,000 to 9,999 lb	94	111	24
10,000 to 49,999 lb	259	3 434	180
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**801**	**74 591**	**3 807**
Less than 50 lb	S	S	S
50 to 99 lb	S	–	S
100 to 499 lb	S	6	–
500 to 749 lb	1	5	S
750 to 999 lb	S	1	–
1,000 to 9,999 lb	32	515	18
10,000 to 49,999 lb	509	33 387	1 494
50,000 to 99,999 lb	119	24 061	1 320
100,000 lb or more	131	16 614	975
SCTG 12, Gravel and crushed stone	**2 446**	**370 160**	**18 104**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	–	5	–
500 to 749 lb	–	4	–
750 to 999 lb	–	6	S
1,000 to 9,999 lb	26	1 457	48
10,000 to 49,999 lb	1 771	261 390	9 965
50,000 to 99,999 lb	435	69 496	3 285
100,000 lb or more	215	37 802	4 806
SCTG 13, Nonmetallic minerals n.e.c.	**3 087**	**46 734**	**13 492**
Less than 50 lb	S	1	S
50 to 99 lb	S	3	S
100 to 499 lb	S	28	S
500 to 749 lb	28	S	S
750 to 999 lb	S	6	S
1,000 to 9,999 lb	267	711	79
10,000 to 49,999 lb	1 296	12 785	2 536
50,000 to 99,999 lb	158	3 547	479
100,000 lb or more	1 240	29 640	10 387
SCTG 14, Metallic ores and concentrates	**594**	**1 243**	**444**
Less than 50 lb	4	–	S
50 to 99 lb	5	S	S
100 to 499 lb	S	4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	106	27	7
10,000 to 49,999 lb	252	339	165
50,000 to 99,999 lb	S	S	S
100,000 lb or more	56	443	252
SCTG 15, Coal	**6 680**	**250 260**	**82 486**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	15	2
10,000 to 49,999 lb	40	1 531	85
50,000 to 99,999 lb	247	S	331
100,000 lb or more	6 387	236 523	82 067

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	**29 314**	**119 799**	**7 421**
Less than 50 lb	S	1	–
50 to 99 lb	S	2	–
100 to 499 lb	14	26	–
500 to 749 lb	6	24	–
750 to 999 lb	9	23	–
1,000 to 9,999 lb	1 379	2 824	125
10,000 to 49,999 lb	5 893	25 617	1 981
50,000 to 99,999 lb	20 052	80 138	4 844
100,000 lb or more	1 955	11 145	S
SCTG 18, Fuel oils	**10 516**	**53 124**	**2 972**
Less than 50 lb	S	2	–
50 to 99 lb	3	4	–
100 to 499 lb	72	109	2
500 to 749 lb	51	150	2
750 to 999 lb	49	179	3
1,000 to 9,999 lb	1 193	4 141	147
10,000 to 49,999 lb	2 415	12 099	809
50,000 to 99,999 lb	4 972	27 652	1 725
100,000 lb or more	S	S	284
SCTG 19, Coal and petroleum products, n.e.c.	**5 358**	**27 834**	**4 175**
Less than 50 lb	66	16	1
50 to 99 lb	55	21	1
100 to 499 lb	480	285	16
500 to 749 lb	157	187	6
750 to 999 lb	200	196	12
1,000 to 9,999 lb	1 089	1 664	85
10,000 to 49,999 lb	2 017	14 360	1 205
50,000 to 99,999 lb	817	5 541	461
100,000 lb or more	477	5 565	S
SCTG 20, Basic chemicals	**18 098**	**23 748**	**8 568**
Less than 50 lb	360	20	5
50 to 99 lb	96	19	3
100 to 499 lb	607	247	19
500 to 749 lb	292	101	15
750 to 999 lb	172	88	10
1,000 to 9,999 lb	2 907	1 476	275
10,000 to 49,999 lb	9 757	12 890	3 824
50,000 to 99,999 lb	291	1 162	189
100,000 lb or more	3 617	7 746	4 227
SCTG 21, Pharmaceutical products	**46 708**	**3 412**	**2 408**
Less than 50 lb	12 423	111	63
50 to 99 lb	2 147	45	14
100 to 499 lb	6 067	189	99
500 to 749 lb	1 419	58	40
750 to 999 lb	752	46	20
1,000 to 9,999 lb	10 669	390	178
10,000 to 49,999 lb	13 209	2 553	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**7 029**	**70 170**	**12 166**
Less than 50 lb	S	S	S
50 to 99 lb	S	4	–
100 to 499 lb	56	36	S
500 to 749 lb	16	25	1
750 to 999 lb	15	20	1
1,000 to 9,999 lb	509	1 463	73
10,000 to 49,999 lb	1 563	8 741	1 096
50,000 to 99,999 lb	462	4 273	314
100,000 lb or more	4 317	55 596	10 677
SCTG 23, Chemical products and preparations, n.e.c.	**29 746**	**17 415**	**7 482**
Less than 50 lb	2 218	128	43
50 to 99 lb	930	89	22
100 to 499 lb	2 803	608	106
500 to 749 lb	1 037	226	57
750 to 999 lb	654	172	45
1,000 to 9,999 lb	6 248	2 063	751
10,000 to 49,999 lb	14 475	12 092	5 098
50,000 to 99,999 lb	250	389	113
100,000 lb or more	1 132	1 649	1 247
SCTG 24, Plastics and rubber	**44 831**	**17 355**	**8 217**
Less than 50 lb	2 684	138	40
50 to 99 lb	1 129	132	30
100 to 499 lb	4 784	817	162
500 to 749 lb	1 758	344	94
750 to 999 lb	1 158	221	65
1,000 to 9,999 lb	12 331	3 972	1 355
10,000 to 49,999 lb	19 517	9 954	5 161
50,000 to 99,999 lb	316	259	111
100,000 lb or more	1 154	1 517	1 199

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	**2 835**	**118 542**	**6 808**
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	S	76	5
10,000 to 49,999 lb	1 153	40 602	2 296
50,000 to 99,999 lb	1 474	71 154	3 850
100,000 lb or more	137	6 701	655
SCTG 26, Wood products	**24 018**	**80 147**	**14 305**
Less than 50 lb	412	31	12
50 to 99 lb	218	32	7
100 to 499 lb	928	182	26
500 to 749 lb	526	120	17
750 to 999 lb	364	125	16
1,000 to 9,999 lb	4 184	3 206	320
10,000 to 49,999 lb	13 254	40 666	8 081
50,000 to 99,999 lb	2 376	26 791	2 883
100,000 lb or more	1 757	8 995	2 942
SCTG 27, Pulp, newsprint, paper, and paperboard	**19 455**	**28 986**	**15 689**
Less than 50 lb	204	31	3
50 to 99 lb	161	43	7
100 to 499 lb	901	329	38
500 to 749 lb	327	156	16
750 to 999 lb	221	112	12
1,000 to 9,999 lb	2 444	1 683	270
10,000 to 49,999 lb	10 028	14 888	8 102
50,000 to 99,999 lb	352	788	300
100,000 lb or more	4 817	10 957	6 941
SCTG 28, Paper or paperboard articles	**16 529**	**13 513**	**4 723**
Less than 50 lb	541	49	9
50 to 99 lb	287	60	9
100 to 499 lb	1 103	334	37
500 to 749 lb	404	157	22
750 to 999 lb	245	103	12
1,000 to 9,999 lb	3 232	2 295	408
10,000 to 49,999 lb	10 275	9 477	3 476
50,000 to 99,999 lb	126	223	56
100,000 lb or more	316	814	695
SCTG 29, Printed products	**30 993**	**13 829**	**2 435**
Less than 50 lb	5 115	221	117
50 to 99 lb	1 101	122	21
100 to 499 lb	4 447	699	138
500 to 749 lb	1 371	328	60
750 to 999 lb	858	231	31
1,000 to 9,999 lb	9 786	5 233	601
10,000 to 49,999 lb	7 570	6 358	1 439
50,000 to 99,999 lb	226	155	13
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**136 751**	**23 745**	**11 462**
Less than 50 lb	7 930	245	198
50 to 99 lb	2 465	141	104
100 to 499 lb	7 621	733	489
500 to 749 lb	3 437	439	282
750 to 999 lb	3 100	360	244
1,000 to 9,999 lb	56 409	5 415	2 845
10,000 to 49,999 lb	53 197	15 009	6 327
50,000 to 99,999 lb	1 817	657	240
100,000 lb or more	776	745	734
SCTG 31, Nonmetallic mineral products	**18 460**	**153 398**	**13 791**
Less than 50 lb	562	31	13
50 to 99 lb	266	40	6
100 to 499 lb	902	216	39
500 to 749 lb	248	94	18
750 to 999 lb	224	117	18
1,000 to 9,999 lb	3 429	5 365	393
10,000 to 49,999 lb	10 235	109 917	8 575
50,000 to 99,999 lb	2 003	28 581	2 578
100,000 lb or more	591	9 037	2 150
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 700**	**31 097**	**9 063**
Less than 50 lb	660	30	7
50 to 99 lb	332	45	6
100 to 499 lb	1 475	352	38
500 to 749 lb	616	199	27
750 to 999 lb	529	203	24
1,000 to 9,999 lb	4 973	3 575	782
10,000 to 49,999 lb	15 381	19 839	5 432
50,000 to 99,999 lb	1 083	2 163	523
100,000 lb or more	1 650	4 690	2 224

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	**27 155**	**11 205**	**4 072**
Less than 50 lb	4 517	154	45
50 to 99 lb	1 234	92	25
100 to 499 lb	3 752	483	123
500 to 749 lb	998	211	56
750 to 999 lb	934	182	62
1,000 to 9,999 lb	7 070	2 827	757
10,000 to 49,999 lb	8 130	6 353	2 538
50,000 to 99,999 lb	219	446	168
100,000 lb or more	302	458	S
SCTG 34, Machinery	**56 387**	**5 458**	**2 904**
Less than 50 lb	8 323	197	50
50 to 99 lb	2 816	128	37
100 to 499 lb	7 890	570	158
500 to 749 lb	2 373	176	74
750 to 999 lb	1 337	110	56
1,000 to 9,999 lb	12 643	1 317	687
10,000 to 49,999 lb	16 379	2 611	1 651
50,000 to 99,999 lb	S	281	152
100,000 lb or more	S	66	39
SCTG 35, Electronic and other electrical equipment and components and office equipment	**112 407**	**5 964**	**3 456**
Less than 50 lb	27 166	293	131
50 to 99 lb	9 589	164	68
100 to 499 lb	22 029	608	245
500 to 749 lb	4 369	187	81
750 to 999 lb	3 017	149	65
1,000 to 9,999 lb	30 410	1 403	773
10,000 to 49,999 lb	14 772	2 568	1 921
50,000 to 99,999 lb	646	144	S
100,000 lb or more	407	S	84
SCTG 36, Motorized and other vehicles (including parts)	**67 636**	**9 550**	**4 659**
Less than 50 lb	5 418	240	62
50 to 99 lb	1 596	124	28
100 to 499 lb	5 299	425	124
500 to 749 lb	1 519	123	54
750 to 999 lb	786	110	33
1,000 to 9,999 lb	15 991	1 955	789
10,000 to 49,999 lb	29 690	5 197	2 689
50,000 to 99,999 lb	S	732	411
100,000 lb or more	S	644	S
SCTG 37, Transportation equipment, n.e.c.	**15 188**	**921**	**625**
Less than 50 lb	3 485	9	7
50 to 99 lb	1 204	4	3
100 to 499 lb	1 459	17	15
500 to 749 lb	613	7	6
750 to 999 lb	240	7	6
1,000 to 9,999 lb	4 519	143	87
10,000 to 49,999 lb	2 998	285	170
50,000 to 99,999 lb	S	S	S
100,000 lb or more	363	279	211
SCTG 38, Precision instruments and apparatus	**21 224**	**764**	**524**
Less than 50 lb	8 108	63	45
50 to 99 lb	1 854	23	16
100 to 499 lb	4 600	92	50
500 to 749 lb	836	25	14
750 to 999 lb	400	23	15
1,000 to 9,999 lb	4 088	204	202
10,000 to 49,999 lb	1 311	S	171
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**19 458**	**4 115**	**2 130**
Less than 50 lb	889	44	28
50 to 99 lb	668	57	33
100 to 499 lb	4 013	492	266
500 to 749 lb	1 364	204	108
750 to 999 lb	842	151	84
1,000 to 9,999 lb	7 499	1 716	824
10,000 to 49,999 lb	3 958	1 406	769
50,000 to 99,999 lb	201	38	S
100,000 lb or more	23	S	S
SCTG 40, Miscellaneous manufactured products	**53 033**	**20 925**	**5 686**
Less than 50 lb	12 506	278	159
50 to 99 lb	2 650	143	65
100 to 499 lb	6 363	579	230
500 to 749 lb	1 829	211	98
750 to 999 lb	1 299	182	89
1,000 to 9,999 lb	9 645	2 702	825
10,000 to 49,999 lb	17 200	12 310	3 222
50,000 to 99,999 lb	1 079	3 497	596
100,000 lb or more	S	1 022	402

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	**3 831**	**19 692**	**5 438**
Less than 50 lb	S	S	–
50 to 99 lb	S	S	S
100 to 499 lb	S	–	–
500 to 749 lb	S	S	–
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	468	16
10,000 to 49,999 lb	2 627	12 095	2 991
50,000 to 99,999 lb	186	1 450	286
100,000 lb or more	633	5 674	2 145
SCTG 43, Mixed freight	**58 371**	**25 455**	**3 007**
Less than 50 lb	1 703	82	S
50 to 99 lb	646	79	S
100 to 499 lb	1 842	492	57
500 to 749 lb	920	320	33
750 to 999 lb	751	286	34
1,000 to 9,999 lb	11 189	4 827	752
10,000 to 49,999 lb	40 600	18 977	2 072
50,000 to 99,999 lb	224	152	S
100,000 lb or more	S	240	S
Commodity unknown	**5 234**	**3 274**	**756**
Less than 50 lb	324	8	3
50 to 99 lb	116	10	4
100 to 499 lb	429	56	24
500 to 749 lb	S	30	7
750 to 999 lb	121	27	6
1,000 to 9,999 lb	875	323	65
10,000 to 49,999 lb	2 785	1 669	377
50,000 to 99,999 lb	286	872	88
100,000 lb or more	S	279	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**1 074 991**	**1 810 297**	**320 689**	**421**	**328 492**	**1 048 486**	**22 887**	**103 185**	**210 595**	**19 335**
Less than 50 lb	108 425	2 856	1 137	546	28 619	1 305	25	7 329	232	22
50 to 99 lb	33 900	2 238	569	255	11 558	1 275	26	2 348	227	21
100 to 499 lb	100 625	14 048	2 787	202	38 588	8 942	180	8 492	1 470	133
500 to 749 lb	30 678	6 548	1 336	204	10 669	4 016	87	2 532	713	65
750 to 999 lb	21 176	5 491	1 094	199	6 985	3 352	70	2 116	587	54
1,000 to 9,999 lb	254 492	87 832	17 397	193	75 826	49 596	1 006	31 742	9 977	921
10,000 to 49,999 lb	426 057	824 853	119 628	148	114 966	528 927	10 223	37 423	86 422	7 835
50,000 to 99,999 lb	51 773	383 928	27 553	71	28 138	260 992	6 162	8 432	77 425	6 599
100,000 lb or more	47 865	482 504	149 189	387	13 144	190 081	5 108	2 771	33 543	3 687
SCTG 01, Live animals and live fish	**664**	**S**	**192**	**445**	**139**	**S**	**S**	**102**	**S**	**S**
Less than 50 lb	10	1	S	694	2	S	S	S	S	S
50 to 99 lb	S	S	S	192	S	S	S	S	S	S
100 to 499 lb	S	S	S	224	S	S	S	S	S	S
500 to 749 lb	S	S	S	70	S	S	S	S	S	S
750 to 999 lb	S	S	S	529	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	109	S	23	S	S	S	S
10,000 to 49,999 lb	S	S	128	S	S	S	S	66	S	S
50,000 to 99,999 lb	45	34	19	587	S	S	S	S	S	S
100,000 lb or more	S	S	37	786	–	–	–	–	–	–
SCTG 02, Cereal grains	**1 739**	**11 957**	**S**	**118**	**548**	**4 414**	**144**	**224**	**1 872**	**175**
Less than 50 lb	S	S	S	522	S	S	S	S	S	S
50 to 99 lb	–	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	11	S	24	S	10	–	S	S	S
500 to 749 lb	2	6	S	76	S	4	S	S	S	S
750 to 999 lb	S	4	S	112	S	S	S	S	S	S
1,000 to 9,999 lb	50	173	8	55	42	142	3	4	15	2
10,000 to 49,999 lb	185	1 385	134	84	96	701	24	50	384	35
50,000 to 99,999 lb	394	3 382	262	78	202	1 790	65	126	1 065	94
100,000 lb or more	S	6 996	S	562	S	S	S	S	S	S
SCTG 03, Other agricultural products	**14 751**	**18 154**	**5 353**	**288**	**5 529**	**7 674**	**217**	**1 755**	**2 602**	**253**
Less than 50 lb	727	110	S	399	S	63	1	S	S	S
50 to 99 lb	291	62	9	S	211	50	1	S	S	S
100 to 499 lb	788	411	52	136	518	320	5	59	41	S
500 to 749 lb	376	232	29	126	175	154	3	44	S	S
750 to 999 lb	266	235	23	97	160	154	2	43	S	S
1,000 to 9,999 lb	3 007	3 086	548	134	1 411	1 588	25	405	495	47
10,000 to 49,999 lb	6 890	8 604	2 911	339	1 915	2 957	77	807	976	94
50,000 to 99,999 lb	1 091	3 022	377	118	555	1 962	S	137	505	44
100,000 lb or more	1 315	2 391	1 357	492	100	426	S	161	474	54
SCTG 04, Animal feed and products of animal origin, n.e.c.	**7 577**	**29 312**	**3 190**	**66**	**4 204**	**20 402**	**588**	**908**	**3 447**	**321**
Less than 50 lb	S	S	1	S	S	S	S	S	S	S
50 to 99 lb	9	12	–	S	7	11	–	S	S	S
100 to 499 lb	94	139	6	34	45	119	1	S	S	S
500 to 749 lb	70	69	6	S	23	42	1	S	9	1
750 to 999 lb	49	43	4	89	21	28	S	S	3	–
1,000 to 9,999 lb	817	1 281	110	87	259	721	18	137	247	23
10,000 to 49,999 lb	5 245	21 402	1 974	86	3 108	15 351	435	610	2 570	236
50,000 to 99,999 lb	1 013	4 773	516	105	636	3 218	92	123	553	53
100,000 lb or more	244	1 578	574	490	71	898	40	S	59	7
SCTG 05, Meat, fish, seafood, and their preparations	**27 745**	**13 895**	**5 070**	**157**	**7 385**	**3 369**	**94**	**2 820**	**1 485**	**144**
Less than 50 lb	391	44	S	207	201	26	1	S	S	S
50 to 99 lb	620	97	10	S	355	59	1	S	S	S
100 to 499 lb	2 131	519	45	88	1 391	345	9	276	80	8
500 to 749 lb	715	210	23	112	409	119	3	106	39	4
750 to 999 lb	540	206	28	137	243	89	2	104	38	4
1,000 to 9,999 lb	7 515	3 184	847	223	1 885	883	23	1 022	541	52
10,000 to 49,999 lb	14 937	8 815	3 835	423	2 546	1 522	44	1 140	734	72
50,000 to 99,999 lb	518	437	149	384	S	S	S	S	25	2
100,000 lb or more	377	382	125	342	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**12 315**	**9 102**	**2 580**	**90**	**3 910**	**2 524**	**78**	**2 038**	**2 009**	**183**
Less than 50 lb	287	76	6	S	198	55	2	30	9	1
50 to 99 lb	219	71	5	S	156	48	1	31	15	1
100 to 499 lb	1 073	348	21	56	833	253	6	134	54	4
500 to 749 lb	414	153	13	86	251	88	2	S	40	4
750 to 999 lb	323	124	18	148	193	67	2	45	22	2
1,000 to 9,999 lb	2 413	1 395	300	189	761	426	13	498	296	27
10,000 to 49,999 lb	7 001	6 210	2 123	337	1 179	1 267	43	1 004	1 328	124
50,000 to 99,999 lb	179	554	77	137	71	241	8	49	171	15
100,000 lb or more	S	171	18	234	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**45 435**	**60 353**	**13 373**	**82**	**18 730**	**26 726**	**665**	**5 786**	**9 693**	**871**
Less than 50 lb	498	121	12	160	368	102	2	39	7	1
50 to 99 lb	543	272	16	S	408	230	5	64	26	S
100 to 499 lb	3 066	2 409	111	45	2 425	2 036	43	282	271	23
500 to 749 lb	1 098	1 063	49	45	840	923	23	109	83	7
750 to 999 lb	853	857	38	44	600	732	16	103	64	6
1,000 to 9,999 lb	9 136	8 933	886	83	4 902	6 588	139	1 060	725	65
10,000 to 49,999 lb	26 887	38 313	8 570	213	8 236	13 751	373	3 906	7 849	704
50,000 to 99,999 lb	1 101	2 958	S	126	542	1 433	28	152	402	33
100,000 lb or more	2 254	5 428	3 302	527	410	931	35	71	266	30
SCTG 08, Alcoholic beverages	**14 271**	**13 031**	**1 846**	**31**	**9 873**	**7 846**	**151**	**959**	**599**	**52**
Less than 50 lb	218	40	1	36	178	33	1	28	4	–
50 to 99 lb	255	82	3	31	204	72	1	27	7	1
100 to 499 lb	2 052	1 129	30	27	1 798	1 047	21	184	60	5
500 to 749 lb	996	658	17	26	879	611	12	85	34	3
750 to 999 lb	744	570	14	24	698	546	11	34	18	1
1,000 to 9,999 lb	5 087	4 105	104	25	4 513	3 863	75	363	172	15
10,000 to 49,999 lb	4 093	5 186	1 481	231	1 366	1 271	25	199	236	20
50,000 to 99,999 lb	661	1 033	147	137	229	340	4	S	S	6
100,000 lb or more	S	S	S	284	S	S	S	–	–	–
SCTG 09, Tobacco products	**29 222**	**2 579**	**661**	**698**	**10 834**	**1 849**	**S**	**688**	**71**	**7**
Less than 50 lb	545	15	6	919	279	8	–	63	2	–
50 to 99 lb	363	13	1	101	269	10	–	56	1	–
100 to 499 lb	1 251	51	9	150	669	25	1	268	10	1
500 to 749 lb	248	15	4	222	80	7	S	55	3	–
750 to 999 lb	94	6	2	274	S	S	–	S	1	–
1,000 to 9,999 lb	710	54	19	330	S	18	1	57	7	1
10,000 to 49,999 lb	25 847	2 393	592	S	9 221	S	S	173	48	5
50,000 to 99,999 lb	S	S	S	285	–	–	–	–	–	–
100,000 lb or more	S	S	S	1 026	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**403**	**4 490**	**241**	**134**	**177**	**3 858**	**33**	**28**	**126**	**S**
Less than 50 lb	S	S	S	300	–	–	S	S	S	S
50 to 99 lb	2	–	S	235	1	–	–	S	S	S
100 to 499 lb	24	9	1	142	S	5	S	S	S	S
500 to 749 lb	10	5	1	235	4	3	S	S	S	S
750 to 999 lb	4	S	1	291	S	S	S	S	S	S
1,000 to 9,999 lb	94	111	24	196	S	57	1	S	9	1
10,000 to 49,999 lb	259	3 434	180	S	S	3 001	26	S	59	6
50,000 to 99,999 lb	S	S	S	S	2	103	1	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	–	–	–
SCTG 11, Natural sands	**801**	**74 591**	**3 807**	**45**	**464**	**56 764**	**1 303**	**104**	**13 274**	**1 217**
Less than 50 lb	S	S	S	8	S	S	S	–	–	–
50 to 99 lb	S	–	S	360	S	S	S	–	–	–
100 to 499 lb	S	6	–	34	S	5	–	S	1	–
500 to 749 lb	1	5	S	41	1	4	S	S	S	S
750 to 999 lb	S	1	–	24	S	1	–	S	S	S
1,000 to 9,999 lb	32	515	18	S	26	463	8	S	S	S
10,000 to 49,999 lb	509	33 387	1 494	39	317	26 922	576	48	4 473	411
50,000 to 99,999 lb	119	24 061	1 320	56	78	16 342	520	30	6 856	616
100,000 lb or more	131	16 614	975	113	34	S	199	22	1 901	186
SCTG 12, Gravel and crushed stone	**2 446**	**370 160**	**18 104**	**41**	**2 093**	**322 578**	**5 139**	**127**	**16 498**	**1 585**
Less than 50 lb	S	S	S	13	S	S	S	–	–	–
50 to 99 lb	S	S	S	11	S	S	S	–	–	–
100 to 499 lb	–	5	–	S	–	5	–	S	S	S
500 to 749 lb	–	4	–	S	–	4	–	–	–	–
750 to 999 lb	–	6	S	23	–	5	S	–	–	–
1,000 to 9,999 lb	26	1 457	48	32	23	1 354	16	1	17	2
10,000 to 49,999 lb	1 771	261 390	9 965	38	1 577	236 842	3 674	71	9 848	868
50,000 to 99,999 lb	435	69 496	3 285	49	370	62 885	935	29	2 762	241
100,000 lb or more	215	37 802	4 806	169	122	21 482	514	26	3 871	474
SCTG 13, Nonmetallic minerals n.e.c.	**3 087**	**46 734**	**13 492**	**219**	**761**	**29 757**	**918**	**150**	**1 637**	**173**
Less than 50 lb	S	1	S	375	S	–	–	S	S	S
50 to 99 lb	S	3	S	232	1	1	–	S	S	S
100 to 499 lb	S	28	S	159	S	18	S	S	1	–
500 to 749 lb	28	S	S	237	S	2	–	S	S	S
750 to 999 lb	S	6	S	101	S	3	–	S	S	S
1,000 to 9,999 lb	267	711	79	125	86	420	11	S	S	S
10,000 to 49,999 lb	1 296	12 785	2 536	191	206	7 847	142	64	684	64
50,000 to 99,999 lb	158	3 547	479	132	26	2 057	41	18	S	S
100,000 lb or more	1 240	29 640	10 387	595	396	19 409	722	18	343	46

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	**594**	**1 243**	**444**	**327**	**80**	**S**	**S**	**S**	**56**	**6**
Less than 50 lb	4	–	S	507	2	S	S	S	S	S
50 to 99 lb	5	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	4	S	335	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	106	27	7	S	S	S	S	S	S	S
10,000 to 49,999 lb	252	339	165	476	21	68	2	S	S	S
50,000 to 99,999 lb	S	S	S	44	S	S	S	S	S	S
100,000 lb or more	56	443	252	586	1	29	1	1	43	5
SCTG 15, Coal	**6 680**	**250 260**	**82 486**	**S**	**1 467**	**60 539**	**1 742**	**600**	**20 686**	**2 281**
Less than 50 lb	S	S	S	3	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	424	–	–	–	–	–	–
500 to 749 lb	S	S	S	168	S	S	S	–	–	–
750 to 999 lb	S	S	S	258	S	S	S	–	–	–
1,000 to 9,999 lb	S	15	2	103	S	S	S	S	S	S
10,000 to 49,999 lb	40	1 531	85	55	29	1 170	27	S	S	S
50,000 to 99,999 lb	247	S	331	S	242	S	S	S	S	S
100,000 lb or more	6 387	236 523	82 067	132	1 191	47 330	1 410	594	20 478	2 256
SCTG 17, Gasoline and aviation turbine fuel	**29 314**	**119 799**	**7 421**	**55**	**21 352**	**84 260**	**1 688**	**4 139**	**18 309**	**1 602**
Less than 50 lb	S	1	–	S	S	1	–	–	–	–
50 to 99 lb	S	2	–	S	S	2	–	–	–	–
100 to 499 lb	14	26	–	10	14	26	–	–	–	–
500 to 749 lb	6	24	–	15	6	24	–	S	S	S
750 to 999 lb	9	23	–	19	9	23	–	–	–	–
1,000 to 9,999 lb	1 379	2 824	125	35	1 068	2 219	38	203	321	28
10,000 to 49,999 lb	5 893	25 617	1 981	74	3 851	15 855	279	804	3 833	349
50,000 to 99,999 lb	20 052	80 138	4 844	60	14 899	57 314	1 294	3 054	13 263	1 120
100,000 lb or more	1 955	11 145	S	34	1 500	8 796	76	78	S	S
SCTG 18, Fuel oils	**10 516**	**53 124**	**2 972**	**33**	**7 800**	**38 374**	**617**	**1 345**	**7 309**	**626**
Less than 50 lb	S	2	–	12	S	2	–	–	–	–
50 to 99 lb	3	4	–	S	3	4	–	S	S	S
100 to 499 lb	72	109	2	16	71	107	2	S	S	S
500 to 749 lb	51	150	2	17	51	149	2	S	S	S
750 to 999 lb	49	179	3	14	49	179	2	–	–	–
1,000 to 9,999 lb	1 193	4 141	147	25	987	3 594	56	82	S	S
10,000 to 49,999 lb	2 415	12 099	809	60	1 705	8 260	153	368	1 934	175
50,000 to 99,999 lb	4 972	27 652	1 725	62	3 401	18 712	347	836	4 797	404
100,000 lb or more	S	S	284	54	S	S	54	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**5 358**	**27 834**	**4 175**	**63**	**2 661**	**17 507**	**387**	**704**	**2 176**	**193**
Less than 50 lb	66	16	1	88	49	13	–	7	1	–
50 to 99 lb	55	21	1	38	44	18	–	6	2	–
100 to 499 lb	480	285	16	56	316	237	4	92	31	3
500 to 749 lb	157	187	6	S	116	174	3	S	9	1
750 to 999 lb	200	196	12	60	128	152	3	42	29	3
1,000 to 9,999 lb	1 089	1 664	85	54	705	1 325	25	195	214	19
10,000 to 49,999 lb	2 017	14 360	1 205	80	717	9 976	240	252	1 280	114
50,000 to 99,999 lb	817	5 541	461	85	481	3 352	68	90	599	52
100,000 lb or more	477	5 565	S	253	S	2 260	S	S	S	S
SCTG 20, Basic chemicals	**18 098**	**23 748**	**8 568**	**247**	**3 216**	**6 554**	**153**	**1 721**	**3 692**	**372**
Less than 50 lb	360	20	5	406	198	13	–	17	S	S
50 to 99 lb	96	19	3	173	37	14	S	5	1	–
100 to 499 lb	607	247	19	69	263	205	4	54	11	1
500 to 749 lb	292	101	15	151	105	73	2	19	7	1
750 to 999 lb	172	88	10	112	54	65	1	16	6	1
1,000 to 9,999 lb	2 907	1 476	275	187	691	726	19	473	261	24
10,000 to 49,999 lb	9 757	12 890	3 824	297	1 276	3 274	89	819	2 180	217
50,000 to 99,999 lb	291	1 162	189	147	83	440	11	S	S	S
100,000 lb or more	3 617	7 746	4 227	694	510	1 744	27	S	843	88
SCTG 21, Pharmaceutical products	**46 708**	**3 412**	**2 408**	**821**	**10 999**	**525**	**11**	**3 997**	**257**	**26**
Less than 50 lb	12 423	111	63	850	1 406	21	1	1 045	13	1
50 to 99 lb	2 147	45	14	331	562	15	–	253	6	1
100 to 499 lb	6 067	189	99	542	1 028	43	1	877	35	3
500 to 749 lb	1 419	58	40	722	148	7	–	S	7	1
750 to 999 lb	752	46	20	422	134	5	–	S	6	1
1,000 to 9,999 lb	10 669	390	178	490	2 148	72	2	885	58	6
10,000 to 49,999 lb	13 209	2 553	S	734	5 565	S	6	598	131	14
50,000 to 99,999 lb	S	S	S	495	S	S	S	S	S	S
100,000 lb or more	S	S	S	59	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**7 029**	**70 170**	**12 166**	**94**	**4 297**	**56 048**	**1 732**	**505**	**2 056**	**200**
Less than 50 lb	S	S	S	80	S	S	S	S	S	S
50 to 99 lb	S	4	–	27	2	3	–	S	S	S
100 to 499 lb	56	36	S	49	S	25	–	S	S	S
500 to 749 lb	16	25	1	51	9	18	–	2	S	S
750 to 999 lb	15	20	1	60	9	15	–	S	S	S
1,000 to 9,999 lb	509	1 463	73	63	308	1 191	18	73	116	11
10,000 to 49,999 lb	1 563	8 741	1 096	104	748	5 010	106	263	1 271	119
50,000 to 99,999 lb	462	4 273	314	76	293	3 191	57	63	445	44
100,000 lb or more	4 317	55 596	10 677	636	2 856	46 591	1 549	34	203	24
SCTG 23, Chemical products and preparations, n.e.c.	**29 746**	**17 415**	**7 482**	**375**	**8 299**	**4 478**	**110**	**2 177**	**1 667**	**160**
Less than 50 lb	2 218	128	43	447	812	53	1	130	9	1
50 to 99 lb	930	89	22	250	402	50	1	39	5	–
100 to 499 lb	2 803	608	106	183	1 298	410	5	169	33	3
500 to 749 lb	1 037	226	57	246	349	111	2	77	17	2
750 to 999 lb	654	172	45	264	211	88	2	51	13	1
1,000 to 9,999 lb	6 248	2 063	751	349	1 533	700	18	496	215	20
10,000 to 49,999 lb	14 475	12 092	5 098	416	3 520	2 505	73	1 149	1 247	122
50,000 to 99,999 lb	250	389	113	S	69	126	2	48	74	7
100,000 lb or more	1 132	1 649	1 247	884	S	S	S	S	53	4
SCTG 24, Plastics and rubber	**44 831**	**17 355**	**8 217**	**287**	**10 553**	**4 221**	**103**	**4 166**	**1 695**	**158**
Less than 50 lb	2 684	138	40	318	1 044	72	1	268	15	1
50 to 99 lb	1 129	132	30	228	582	84	2	99	14	1
100 to 499 lb	4 784	817	162	194	2 299	485	10	617	121	11
500 to 749 lb	1 758	344	94	274	699	175	4	192	50	4
750 to 999 lb	1 158	221	65	292	380	91	2	200	46	4
1,000 to 9,999 lb	12 331	3 972	1 355	313	3 065	1 161	27	1 367	477	44
10,000 to 49,999 lb	19 517	9 954	5 161	507	2 291	1 790	52	1 330	824	79
50,000 to 99,999 lb	316	259	111	430	20	50	1	S	S	S
100,000 lb or more	1 154	1 517	1 199	819	173	312	4	S	S	S
SCTG 25, Logs and other wood in the rough	**2 835**	**118 542**	**6 808**	**56**	**1 630**	**69 783**	**1 990**	**747**	**S**	**S**
Less than 50 lb	S	S	S	193	S	S	S	–	–	–
50 to 99 lb	S	S	S	16	S	S	S	–	–	–
100 to 499 lb	S	1	S	256	S	1	–	–	–	–
500 to 749 lb	S	S	S	80	S	–	S	S	S	S
750 to 999 lb	S	S	S	696	S	S	S	–	–	–
1,000 to 9,999 lb	S	76	5	S	16	64	2	S	4	–
10,000 to 49,999 lb	1 153	40 602	2 296	54	637	24 758	702	289	12 955	1 038
50,000 to 99,999 lb	1 474	71 154	3 850	54	918	41 729	1 233	440	S	S
100,000 lb or more	137	6 701	655	S	56	3 231	53	14	867	75
SCTG 26, Wood products	**24 018**	**80 147**	**14 305**	**252**	**7 317**	**33 546**	**1 094**	**3 689**	**18 074**	**1 662**
Less than 50 lb	412	31	12	469	95	9	–	44	4	–
50 to 99 lb	218	32	7	221	78	14	–	26	5	–
100 to 499 lb	928	182	26	135	447	98	2	142	32	3
500 to 749 lb	526	120	17	140	261	69	2	113	21	2
750 to 999 lb	364	125	16	127	187	80	1	41	14	1
1,000 to 9,999 lb	4 184	3 206	320	109	2 195	2 140	48	646	464	43
10,000 to 49,999 lb	13 254	40 666	8 081	189	2 783	16 441	478	1 964	6 394	618
50,000 to 99,999 lb	2 376	26 791	2 883	102	711	12 142	473	639	S	S
100,000 lb or more	1 757	8 995	2 942	389	S	2 553	S	75	818	77
SCTG 27, Pulp, newsprint, paper, and paperboard	**19 455**	**28 986**	**15 689**	**160**	**4 239**	**4 729**	**112**	**1 472**	**2 084**	**224**
Less than 50 lb	204	31	3	116	132	23	–	19	2	–
50 to 99 lb	161	43	7	150	90	27	1	22	S	S
100 to 499 lb	901	329	38	114	549	228	5	166	49	4
500 to 749 lb	327	156	16	103	198	110	2	50	19	2
750 to 999 lb	221	112	12	106	143	79	2	29	13	1
1,000 to 9,999 lb	2 444	1 683	270	132	1 214	966	21	351	274	25
10,000 to 49,999 lb	10 028	14 888	8 102	519	1 278	1 914	41	560	1 002	101
50,000 to 99,999 lb	352	788	300	334	130	279	5	42	116	13
100,000 lb or more	4 817	10 957	6 941	659	506	1 103	34	232	601	77
SCTG 28, Paper or paperboard articles	**16 529**	**13 513**	**4 723**	**207**	**4 527**	**3 507**	**93**	**1 856**	**1 921**	**180**
Less than 50 lb	541	49	9	267	353	32	1	46	5	–
50 to 99 lb	287	60	9	150	160	39	1	41	8	1
100 to 499 lb	1 103	334	37	109	650	225	5	152	44	4
500 to 749 lb	404	157	22	141	203	90	2	44	18	2
750 to 999 lb	245	103	12	116	132	66	2	36	16	1
1,000 to 9,999 lb	3 232	2 295	408	163	1 379	1 101	27	525	439	41
10,000 to 49,999 lb	10 275	9 477	3 476	320	1 594	1 823	54	975	1 346	127
50,000 to 99,999 lb	126	223	56	244	S	S	1	S	S	S
100,000 lb or more	316	814	695	892	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**30 993**	**13 829**	**2 435**	**573**	**16 369**	**9 567**	**161**	**1 795**	**735**	**66**
Less than 50 lb	5 115	221	117	672	1 896	95	1	207	12	1
50 to 99 lb	1 101	122	21	169	511	87	1	75	7	1
100 to 499 lb	4 447	699	138	210	2 683	525	8	235	34	3
500 to 749 lb	1 371	328	60	177	650	237	4	116	18	2
750 to 999 lb	858	231	31	136	452	177	3	55	9	1
1,000 to 9,999 lb	9 786	5 233	601	119	5 876	4 038	67	616	334	30
10,000 to 49,999 lb	7 570	6 358	1 439	186	3 632	3 890	73	474	278	25
50,000 to 99,999 lb	226	155	13	S	175	120	2	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**136 751**	**23 745**	**11 462**	**828**	**26 777**	**5 349**	**135**	**S**	**2 400**	**233**
Less than 50 lb	7 930	245	198	881	719	28	1	364	11	1
50 to 99 lb	2 465	141	104	732	331	19	–	121	9	1
100 to 499 lb	7 621	733	489	668	1 323	133	3	454	52	5
500 to 749 lb	3 437	439	282	637	459	72	2	229	39	4
750 to 999 lb	3 100	360	244	677	393	57	1	216	25	2
1,000 to 9,999 lb	56 409	5 415	2 845	576	10 812	1 081	29	S	586	56
10,000 to 49,999 lb	53 197	15 009	6 327	421	11 890	3 695	92	5 111	1 547	150
50,000 to 99,999 lb	1 817	657	240	344	538	155	3	99	94	9
100,000 lb or more	776	745	734	883	311	109	S	S	S	S
SCTG 31, Nonmetallic mineral products	**18 460**	**153 398**	**13 791**	**244**	**7 831**	**111 637**	**2 056**	**1 740**	**15 554**	**1 406**
Less than 50 lb	562	31	13	665	155	14	–	33	3	–
50 to 99 lb	266	40	6	163	127	24	–	39	8	1
100 to 499 lb	902	216	39	167	420	138	2	70	21	2
500 to 749 lb	248	94	18	195	100	57	1	20	10	1
750 to 999 lb	224	117	18	156	75	83	1	8	7	1
1,000 to 9,999 lb	3 429	5 365	393	84	1 186	4 446	73	172	348	32
10,000 to 49,999 lb	10 235	109 917	8 575	69	4 453	84 393	1 419	1 013	9 572	859
50,000 to 99,999 lb	2 003	28 581	2 578	92	934	16 785	463	382	5 412	498
100,000 lb or more	591	9 037	2 150	216	382	5 695	97	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**26 700**	**31 097**	**9 063**	**194**	**7 432**	**10 211**	**308**	**2 820**	**4 473**	**429**
Less than 50 lb	660	30	7	273	256	18	–	42	3	–
50 to 99 lb	332	45	6	140	178	32	1	27	5	–
100 to 499 lb	1 475	352	38	112	831	239	5	188	47	4
500 to 749 lb	616	199	27	136	258	119	3	76	35	3
750 to 999 lb	529	203	24	115	228	124	3	84	39	4
1,000 to 9,999 lb	4 973	3 575	782	183	1 831	1 743	41	788	634	58
10,000 to 49,999 lb	15 381	19 839	5 432	267	3 276	6 066	213	1 428	3 292	317
50,000 to 99,999 lb	1 083	2 163	523	230	386	895	17	176	329	32
100,000 lb or more	1 650	4 690	2 224	491	188	974	25	11	89	10
SCTG 33, Articles of base metal	**27 155**	**11 205**	**4 072**	**306**	**8 307**	**3 479**	**74**	**2 591**	**1 359**	**128**
Less than 50 lb	4 517	154	45	316	1 588	81	1	438	11	1
50 to 99 lb	1 234	92	25	274	433	43	1	99	12	1
100 to 499 lb	3 752	483	123	255	1 470	258	6	317	54	5
500 to 749 lb	998	211	56	267	335	92	2	82	27	3
750 to 999 lb	934	182	62	338	225	77	2	85	18	2
1,000 to 9,999 lb	7 070	2 827	757	270	2 396	1 183	26	696	341	31
10,000 to 49,999 lb	8 130	6 353	2 538	406	1 757	1 492	32	782	737	69
50,000 to 99,999 lb	219	446	168	376	75	S	3	23	S	5
100,000 lb or more	302	458	S	846	S	S	S	S	S	S
SCTG 34, Machinery	**56 387**	**5 458**	**2 904**	**265**	**11 473**	**1 295**	**30**	**5 472**	**470**	**44**
Less than 50 lb	8 323	197	50	249	2 827	99	2	1 097	24	2
50 to 99 lb	2 816	128	37	295	987	55	1	276	13	1
100 to 499 lb	7 890	570	158	264	2 450	286	6	950	65	6
500 to 749 lb	2 373	176	74	418	452	64	2	121	17	2
750 to 999 lb	1 337	110	56	505	292	35	1	83	8	1
1,000 to 9,999 lb	12 643	1 317	687	517	2 148	347	7	689	120	11
10,000 to 49,999 lb	16 379	2 611	1 651	629	1 958	316	8	957	169	16
50,000 to 99,999 lb	S	281	152	596	S	87	S	S	46	4
100,000 lb or more	S	66	39	731	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**112 407**	**5 964**	**3 456**	**493**	**30 282**	**1 762**	**33**	**4 586**	**272**	**24**
Less than 50 lb	27 166	293	131	507	7 142	133	2	1 451	18	2
50 to 99 lb	9 589	164	68	411	3 118	75	1	384	10	1
100 to 499 lb	22 029	608	245	399	7 856	273	4	726	43	4
500 to 749 lb	4 369	187	81	423	1 290	79	1	142	13	1
750 to 999 lb	3 017	149	65	433	755	53	1	108	S	S
1,000 to 9,999 lb	30 410	1 403	773	527	7 196	411	7	877	69	7
10,000 to 49,999 lb	14 772	2 568	1 921	710	2 487	326	7	893	97	8
50,000 to 99,999 lb	646	144	S	635	S	S	S	S	S	S
100,000 lb or more	407	S	84	S	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**67 636**	**9 550**	**4 659**	**246**	**15 560**	**2 602**	**73**	**3 940**	**562**	**50**
Less than 50 lb	5 418	240	62	239	2 381	134	2	281	13	1
50 to 99 lb	1 596	124	28	220	618	66	2	187	14	1
100 to 499 lb	5 299	425	124	273	1 381	163	4	715	58	6
500 to 749 lb	1 519	123	54	428	438	39	1	146	11	1
750 to 999 lb	786	110	33	305	240	33	S	S	S	S
1,000 to 9,999 lb	15 991	1 955	789	376	3 708	573	16	1 133	149	15
10,000 to 49,999 lb	29 690	5 197	2 689	522	6 223	1 388	43	542	201	17
50,000 to 99,999 lb	S	732	411	536	S	S	1	60	22	2
100,000 lb or more	S	644	S	547	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**15 188**	**921**	**625**	**858**	**2 859**	**S**	**S**	**220**	**14**	**1**
Less than 50 lb	3 485	9	7	870	302	S	S	23	–	–
50 to 99 lb	1 204	4	3	864	94	S	–	S	–	–
100 to 499 lb	1 459	17	15	894	159	1	S	S	–	–
500 to 749 lb	613	7	6	819	S	–	S	–	–	–
750 to 999 lb	240	7	6	904	S	–	S	S	S	S
1,000 to 9,999 lb	4 519	143	87	598	S	11	–	118	8	1
10,000 to 49,999 lb	2 998	285	170	645	518	S	S	23	4	–
50,000 to 99,999 lb	S	S	S	702	–	–	–	–	–	–
100,000 lb or more	363	279	211	784	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**21 224**	**764**	**524**	**713**	**4 212**	**125**	**3**	**839**	**S**	**S**
Less than 50 lb	8 108	63	45	719	1 431	14	–	343	5	–
50 to 99 lb	1 854	23	16	652	319	5	–	56	1	–
100 to 499 lb	4 600	92	50	550	1 149	33	1	240	7	1
500 to 749 lb	836	25	14	534	261	9	–	S	S	S
750 to 999 lb	400	23	15	658	S	2	–	16	S	S
1,000 to 9,999 lb	4 088	204	202	733	826	47	1	114	10	1
10,000 to 49,999 lb	1 311	S	171	562	153	15	–	24	S	S
50,000 to 99,999 lb	S	S	S	266	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**19 458**	**4 115**	**2 130**	**533**	**4 529**	**748**	**18**	**1 437**	**402**	**36**
Less than 50 lb	889	44	28	540	336	13	–	45	2	–
50 to 99 lb	668	57	33	561	207	15	–	49	4	–
100 to 499 lb	4 013	492	266	529	1 051	112	3	257	36	3
500 to 749 lb	1 364	204	108	534	320	43	1	97	18	2
750 to 999 lb	842	151	84	558	178	28	1	57	11	1
1,000 to 9,999 lb	7 499	1 716	824	468	1 653	344	8	584	166	15
10,000 to 49,999 lb	3 958	1 406	769	514	707	175	5	337	163	14
50,000 to 99,999 lb	201	38	S	331	S	S	S	S	S	S
100,000 lb or more	23	S	S	765	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**53 033**	**20 925**	**5 686**	**729**	**11 604**	**8 754**	**185**	**4 339**	**2 246**	**211**
Less than 50 lb	12 506	278	159	785	2 760	82	2	808	22	2
50 to 99 lb	2 650	143	65	445	699	52	1	172	15	1
100 to 499 lb	6 363	579	230	408	2 053	237	5	423	56	6
500 to 749 lb	1 829	211	98	459	501	79	2	96	16	2
750 to 999 lb	1 299	182	89	487	325	63	1	53	12	1
1,000 to 9,999 lb	9 645	2 702	825	306	2 303	1 163	25	785	267	24
10,000 to 49,999 lb	17 200	12 310	3 222	264	2 602	5 518	98	1 812	1 037	99
50,000 to 99,999 lb	1 079	3 497	596	164	S	1 169	S	185	802	74
100,000 lb or more	S	1 022	402	509	S	S	S	S	S	S
SCTG 41, Waste and scrap	**3 831**	**19 692**	**5 438**	**181**	**1 311**	**5 998**	**143**	**339**	**2 734**	**269**
Less than 50 lb	S	S	–	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	–	–	287	S	–	S	S	S	S
500 to 749 lb	S	S	–	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	468	16	S	S	444	11	S	S	S
10,000 to 49,999 lb	2 627	12 095	2 991	227	727	4 054	99	271	1 933	187
50,000 to 99,999 lb	186	1 450	286	184	S	457	10	21	435	41
100,000 lb or more	633	5 674	2 145	357	S	S	S	S	S	40
SCTG 43, Mixed freight	**58 371**	**25 455**	**3 007**	**161**	**25 860**	**12 801**	**396**	**9 603**	**4 578**	**431**
Less than 50 lb	1 703	82	S	191	860	39	1	219	11	1
50 to 99 lb	646	79	S	154	305	41	1	54	9	1
100 to 499 lb	1 842	492	57	125	925	241	6	339	100	9
500 to 749 lb	920	320	33	103	455	148	5	215	84	7
750 to 999 lb	751	286	34	117	287	124	4	183	60	5
1,000 to 9,999 lb	11 189	4 827	752	151	4 273	1 812	54	2 619	1 117	106
10,000 to 49,999 lb	40 600	18 977	2 072	110	18 238	10 185	320	5 950	3 178	299
50,000 to 99,999 lb	224	152	S	94	S	S	1	S	S	S
100,000 lb or more	S	240	S	96	S	135	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles[1]			50 to 99 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Average miles per shipment	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**5 234**	**3 274**	**756**	**333**	**998**	**1 285**	**27**	**577**	**581**	**53**
Less than 50 lb	324	8	3	339	83	3	–	S	1	–
50 to 99 lb	116	10	4	S	54	7	–	2	S	S
100 to 499 lb	429	56	24	387	110	22	–	34	S	S
500 to 749 lb	S	30	7	220	S	S	S	S	S	S
750 to 999 lb	121	27	6	237	S	17	–	S	S	S
1,000 to 9,999 lb	875	323	65	205	227	123	2	S	64	6
10,000 to 49,999 lb	2 785	1 669	377	205	361	552	13	260	296	28
50,000 to 99,999 lb	286	872	88	95	83	S	9	S	S	S
100,000 lb or more	S	279	S	533	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
All commodities	**191 386**	**254 719**	**60 469**	**173 276**	**186 147**	**91 086**	**122 455**	**56 510**	**46 866**	**56 123**	**26 952**	**30 039**
Less than 50 lb	15 015	354	73	14 483	301	138	13 109	237	177	9 261	155	162
50 to 99 lb	4 592	247	49	3 828	167	77	4 276	137	102	2 525	73	76
100 to 499 lb	12 715	1 296	256	13 274	857	387	10 428	656	489	5 871	311	326
500 to 749 lb	4 371	673	131	4 307	448	200	4 014	321	238	1 538	139	144
750 to 999 lb	2 726	599	116	3 098	359	161	2 379	277	204	1 980	143	147
1,000 to 9,999 lb	46 428	12 803	2 501	41 781	6 871	3 080	27 590	4 338	3 227	10 944	1 670	1 737
10,000 to 49,999 lb	89 464	99 874	19 829	78 813	57 372	25 545	53 917	28 358	21 049	19 780	12 605	13 213
50,000 to 99,999 lb	6 564	32 715	6 124	4 175	7 922	3 500	2 001	2 197	1 652	643	1 416	1 572
100,000 lb or more	9 511	106 159	31 389	9 517	111 849	57 997	4 743	19 989	19 727	3 583	10 438	12 662
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**95**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	–	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	1	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	1	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	50	31	13	S	S	S	–	–	–
50,000 to 99,999 lb	S	10	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 02, Cereal grains	**216**	**1 746**	**384**	**64**	**549**	**240**	**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	–	–	–	–	–	–	–	–	–
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	36	278	52	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	64	513	84	S	S	S	–	–	–	–	–	–
100,000 lb or more	112	937	245	62	526	231	S	S	S	S	S	S
SCTG 03, Other agricultural products	**3 669**	**3 013**	**608**	**1 533**	**1 848**	**849**	**741**	**944**	**739**	**547**	**S**	**S**
Less than 50 lb	13	S	S	17	S	S	19	S	S	36	S	S
50 to 99 lb	S	S	S	2	S	S	6	1	1	14	2	2
100 to 499 lb	42	19	4	14	4	2	18	4	3	32	5	6
500 to 749 lb	22	15	3	10	4	2	S	S	S	6	2	2
750 to 999 lb	34	22	4	S	S	S	3	1	1	S	S	S
1,000 to 9,999 lb	576	563	103	245	209	94	94	76	54	60	37	40
10,000 to 49,999 lb	2 243	1 665	334	933	1 377	627	449	647	495	183	404	429
50,000 to 99,999 lb	285	356	72	S	70	29	S	S	S	S	S	S
100,000 lb or more	442	370	87	249	178	93	S	174	158	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**1 216**	**2 935**	**592**	**648**	**1 464**	**632**	**276**	**643**	**476**	**S**	**274**	**312**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	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	314	272	49	S	34	15	S	S	S	S	S	S
10,000 to 49,999 lb	672	1 881	378	474	1 090	458	143	345	247	S	118	127
50,000 to 99,999 lb	142	634	126	48	191	83	55	142	107	4	10	11
100,000 lb or more	S	112	S	44	144	74	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**6 047**	**3 300**	**678**	**5 493**	**3 013**	**1 306**	**3 249**	**1 579**	**1 175**	**1 034**	**354**	**362**
Less than 50 lb	38	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	61	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	277	74	12	S	S	S	13	2	2	S	1	1
500 to 749 lb	145	41	7	27	7	3	5	1	S	6	1	1
750 to 999 lb	131	62	11	30	11	4	7	2	S	S	S	S
1,000 to 9,999 lb	1 991	928	183	1 035	468	200	703	200	149	356	68	69
10,000 to 49,999 lb	3 238	1 983	424	4 011	2 344	1 028	2 429	1 339	997	635	274	282
50,000 to 99,999 lb	138	127	24	S	S	S	S	30	21	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**2 254**	**1 879**	**372**	**1 914**	**1 373**	**620**	**1 356**	**817**	**607**	**471**	**279**	**278**
Less than 50 lb	S	S	S	12	1	1	2	S	S	2	–	–
50 to 99 lb	S	S	S	S	S	S	S	–	–	S	S	S
100 to 499 lb	92	36	6	2	1	–	5	2	2	5	1	1
500 to 749 lb	34	19	3	11	5	2	1	1	–	S	S	S
750 to 999 lb	51	20	3	S	S	S	6	2	2	S	S	S
1,000 to 9,999 lb	593	371	68	320	189	82	162	76	54	42	21	21
10,000 to 49,999 lb	1 394	1 324	269	1 519	1 137	512	1 169	704	526	416	250	249
50,000 to 99,999 lb	23	90	18	S	16	7	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	**8 801**	**11 756**	**2 271**	**5 371**	**5 758**	**2 545**	**2 973**	**2 693**	**2 041**	**1 579**	**1 420**	**1 460**
Less than 50 lb	27	4	1	19	3	1	9	1	1	S	2	2
50 to 99 lb	25	7	1	13	2	1	S	S	S	S	S	S
100 to 499 lb	201	66	12	63	14	6	35	8	6	S	S	S
500 to 749 lb	92	42	8	25	7	3	14	3	2	10	2	2
750 to 999 lb	108	51	9	28	7	3	9	2	1	S	S	S
1,000 to 9,999 lb	1 831	1 040	204	677	290	119	341	137	100	134	57	61
10,000 to 49,999 lb	6 003	9 181	1 766	3 869	3 840	1 634	2 161	1 695	1 251	1 237	1 004	1 032
50,000 to 99,999 lb	S	S	S	36	92	36	S	S	S	S	S	S
100,000 lb or more	223	447	118	643	1 504	742	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	**1 819**	**2 258**	**472**	**1 303**	**1 895**	**793**	**216**	**333**	**245**	**55**	**59**	**65**
Less than 50 lb	13	2	–	S	S	S	S	S	S	–	–	–
50 to 99 lb	23	3	1	S	S	S	S	S	S	–	–	–
100 to 499 lb	69	21	3	S	S	S	–	–	–	–	–	–
500 to 749 lb	31	13	2	S	S	S	–	–	–	–	–	–
750 to 999 lb	13	7	1	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	197	65	10	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	1 105	1 591	348	1 109	1 656	710	214	332	245	55	59	65
50,000 to 99,999 lb	301	488	89	92	137	49	–	–	–	–	–	–
100,000 lb or more	S	68	17	S	S	S	–	–	–	–	–	–
SCTG 09, Tobacco products	**1 459**	**131**	**26**	**6 043**	**206**	**98**	**4 092**	**130**	**97**	**1 537**	**48**	**51**
Less than 50 lb	14	–	–	11	–	–	S	–	–	45	1	2
50 to 99 lb	22	1	–	7	–	–	4	–	–	2	–	–
100 to 499 lb	170	8	2	68	4	2	43	2	2	21	1	1
500 to 749 lb	50	2	–	12	1	–	24	1	1	S	1	1
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	71	10	2	52	4	2	176	11	8	44	3	3
10,000 to 49,999 lb	992	87	18	5 886	195	94	3 818	114	84	1 400	41	44
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**275**	**63**	**52**	**144**	**61**	**36**	**67**	**47**	**8**	**15**	**16**
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	1	–	–	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	1	1	–	S	S	S	S	S	S
1,000 to 9,999 lb	23	23	5	S	11	6	9	7	5	4	3	3
10,000 to 49,999 lb	S	S	44	36	131	54	25	52	36	4	12	13
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 11, Natural sands	**81**	**3 688**	**711**	**72**	**621**	**299**	**25**	**71**	**48**	**39**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	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	1	S	S	S	S	2	2	S	S	S
10,000 to 49,999 lb	47	1 680	290	42	179	84	24	55	37	23	57	57
50,000 to 99,999 lb	9	719	117	2	S	S	S	S	S	–	–	–
100,000 lb or more	25	1 285	304	S	295	147	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**159**	**21 000**	**4 423**	**40**	**6 432**	**2 823**	**6**	**S**	**S**	**17**	**2 683**	**3 051**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	1	67	12	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	88	10 137	1 793	18	S	S	2	83	62	12	1 874	2 138
50,000 to 99,999 lb	22	1 954	351	7	S	S	S	S	S	4	753	848
100,000 lb or more	48	8 841	2 268	15	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**736**	**5 102**	**1 143**	**537**	**2 793**	**1 409**	**347**	**2 029**	**1 758**	**227**	**2 512**	**3 067**
Less than 50 lb	1	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	86	133	26	14	30	12	S	8	6	2	3	3
10,000 to 49,999 lb	327	1 531	343	S	1 316	600	171	816	621	91	383	398
50,000 to 99,999 lb	84	705	156	S	183	86	10	48	43	S	S	S
100,000 lb or more	216	2 722	614	103	1 259	709	142	1 151	1 083	127	2 113	2 652

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	**141**	**238**	**54**	**125**	**148**	**74**	**62**	**187**	**S**	**S**	**50**	**54**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	98	73	17	80	81	39	15	S	S	S	39	38
50,000 to 99,999 lb	3	23	5	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	138	32	S	63	34	S	127	S	S	S	S
SCTG 15, Coal	**1 891**	**72 655**	**23 548**	**2 512**	**88 649**	**45 500**	**190**	**7 028**	**8 391**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	8	261	46	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	1 881	72 338	23 488	2 512	88 645	45 498	190	7 028	8 391	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**3 088**	**13 841**	**2 477**	**603**	**2 796**	**1 238**	**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	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	103	271	53	S	14	6	–	–	–	–	–	–
10,000 to 49,999 lb	1 084	5 196	964	106	508	214	S	S	S	S	S	S
50,000 to 99,999 lb	1 622	7 313	1 351	394	1 879	836	S	S	S	–	–	–
100,000 lb or more	S	1 062	109	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**1 193**	**6 481**	**1 266**	**170**	**928**	**426**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	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	282	1 576	316	56	310	S	–	–	–	S	S	S
50,000 to 99,999 lb	633	3 572	708	102	568	260	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**1 066**	**4 233**	**831**	**632**	**3 537**	**S**	**146**	**167**	**127**	**109**	**S**	**S**
Less than 50 lb	3	–	–	1	–	–	3	–	–	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	23	8	1	19	4	2	S	3	2	5	1	1
500 to 749 lb	S	2	–	S	S	S	S	S	S	S	S	S
750 to 999 lb	10	7	1	5	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	91	83	15	67	31	13	15	6	4	7	S	S
10,000 to 49,999 lb	649	2 289	435	289	667	296	88	119	86	S	S	S
50,000 to 99,999 lb	212	1 491	281	27	91	41	–	–	–	–	–	–
100,000 lb or more	S	S	S	214	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**4 520**	**6 604**	**1 430**	**3 142**	**2 865**	**1 460**	**2 366**	**1 725**	**1 352**	**1 577**	**1 245**	**1 532**
Less than 50 lb	36	1	–	18	1	–	26	1	1	17	–	–
50 to 99 lb	6	1	–	8	S	S	12	–	–	S	S	S
100 to 499 lb	73	17	3	84	8	3	79	4	3	21	1	1
500 to 749 lb	34	5	1	S	S	S	54	2	2	8	S	S
750 to 999 lb	20	6	1	35	7	3	13	2	1	18	1	1
1,000 to 9,999 lb	509	249	48	607	102	45	303	75	55	134	35	38
10,000 to 49,999 lb	3 106	4 155	837	1 738	1 462	659	1 243	811	588	831	585	609
50,000 to 99,999 lb	47	225	55	35	67	33	S	22	S	12	S	S
100,000 lb or more	687	1 944	485	560	1 207	712	619	808	685	521	606	866
SCTG 21, Pharmaceutical products	**11 424**	**470**	**98**	**8 523**	**801**	**387**	**4 521**	**685**	**520**	**2 528**	**162**	**166**
Less than 50 lb	2 660	24	5	1 579	15	7	1 480	11	8	1 785	11	12
50 to 99 lb	962	14	3	160	4	2	57	1	1	81	1	1
100 to 499 lb	1 335	41	9	1 720	14	6	166	7	5	S	8	8
500 to 749 lb	S	13	3	257	7	3	37	3	2	6	S	S
750 to 999 lb	119	14	3	77	10	4	S	2	1	S	S	S
1,000 to 9,999 lb	3 971	112	20	1 916	35	17	1 118	53	37	200	14	15
10,000 to 49,999 lb	1 826	252	57	2 804	707	344	1 629	S	S	82	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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	**588**	**2 672**	**565**	**471**	**3 024**	**1 533**	**355**	**2 078**	**1 868**	**346**	**1 929**	**2 293**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	2	1	–	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	3	1	S	S	S	S	S	S	S	S	S
750 to 999 lb	3	2	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	94	124	24	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	323	1 555	304	145	583	244	49	210	155	24	78	81
50,000 to 99,999 lb	61	380	74	26	180	72	S	54	44	S	S	S
100,000 lb or more	S	606	162	273	2 235	1 205	286	1 808	1 663	316	1 828	2 189
SCTG 23, Chemical products and preparations, n.e.c.	**5 192**	**4 116**	**871**	**5 532**	**2 861**	**1 309**	**4 658**	**2 275**	**1 727**	**1 641**	**894**	**953**
Less than 50 lb	327	19	4	409	23	10	185	11	7	95	4	4
50 to 99 lb	157	12	3	127	9	4	87	7	5	38	2	2
100 to 499 lb	328	50	10	455	59	27	278	32	23	95	10	11
500 to 749 lb	213	43	9	158	24	11	155	16	12	31	7	7
750 to 999 lb	115	24	5	98	17	7	122	14	10	35	11	11
1,000 to 9,999 lb	966	401	84	1 439	324	147	908	203	151	429	122	127
10,000 to 49,999 lb	2 665	3 295	696	2 552	2 134	941	2 770	1 792	1 346	789	505	511
50,000 to 99,999 lb	44	89	16	19	28	15	S	S	S	S	S	S
100,000 lb or more	378	183	45	274	242	147	113	140	125	123	232	278
SCTG 24, Plastics and rubber	**7 666**	**3 343**	**727**	**9 617**	**3 639**	**1 713**	**5 898**	**2 042**	**1 560**	**2 655**	**1 000**	**1 059**
Less than 50 lb	391	17	3	294	11	5	246	9	7	147	6	7
50 to 99 lb	89	11	2	106	5	3	114	8	6	53	4	4
100 to 499 lb	587	85	17	405	40	18	410	40	30	137	17	18
500 to 749 lb	223	43	8	220	28	13	131	17	13	108	11	12
750 to 999 lb	135	28	6	174	24	11	101	12	9	64	6	6
1,000 to 9,999 lb	2 629	966	194	2 385	660	293	1 428	356	266	574	152	160
10,000 to 49,999 lb	3 512	2 075	464	5 749	2 562	1 191	3 289	1 353	1 024	1 203	472	487
50,000 to 99,999 lb	59	S	S	S	22	10	27	25	19	S	S	S
100,000 lb or more	42	67	21	232	287	170	152	223	186	S	318	352
SCTG 25, Logs and other wood in the rough	**336**	**7 418**	**1 245**	**83**	**S**	**S**	**22**	**82**	**66**	**S**	**S**	**S**
Less than 50 lb	S	S	S	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	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	2	1	S	1	1	S	S	S
10,000 to 49,999 lb	174	S	S	41	174	68	8	58	44	1	S	S
50,000 to 99,999 lb	109	2 546	461	6	65	26	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	6	S	S	S	S	S
SCTG 26, Wood products	**6 007**	**16 063**	**3 300**	**3 920**	**7 614**	**3 395**	**1 824**	**3 191**	**2 378**	**598**	**939**	**1 046**
Less than 50 lb	81	6	1	66	4	2	53	3	2	24	1	1
50 to 99 lb	51	6	1	19	3	1	S	S	S	S	S	S
100 to 499 lb	185	32	6	83	13	5	33	4	3	26	3	3
500 to 749 lb	69	17	3	31	7	3	S	4	3	4	1	S
750 to 999 lb	69	19	3	36	7	3	12	2	2	4	1	1
1,000 to 9,999 lb	723	409	78	310	100	45	137	56	42	62	13	14
10,000 to 49,999 lb	3 936	9 391	1 902	2 826	5 608	2 425	1 129	1 995	1 425	284	436	448
50,000 to 99,999 lb	613	3 078	583	195	658	286	117	349	261	61	127	152
100,000 lb or more	279	3 106	722	355	1 215	625	288	775	639	124	357	425
SCTG 27, Pulp, newsprint, paper, and paperboard	**3 461**	**5 526**	**1 315**	**3 880**	**6 359**	**3 284**	**3 443**	**5 485**	**4 473**	**1 891**	**3 258**	**3 571**
Less than 50 lb	28	3	–	10	1	–	S	1	–	S	S	–
50 to 99 lb	24	4	1	8	1	–	6	1	–	S	–	–
100 to 499 lb	78	27	5	32	10	4	35	6	5	10	2	2
500 to 749 lb	50	17	3	15	4	2	6	2	2	5	S	S
750 to 999 lb	17	8	2	16	8	3	7	2	2	S	S	S
1,000 to 9,999 lb	298	191	38	210	104	46	247	100	74	68	32	33
10,000 to 49,999 lb	1 946	2 705	601	2 219	3 368	1 562	2 233	3 383	2 605	1 138	1 704	1 754
50,000 to 99,999 lb	20	64	15	67	124	74	S	127	101	S	76	87
100,000 lb or more	999	2 508	650	1 302	2 739	1 592	845	1 864	1 684	627	1 441	1 691
SCTG 28, Paper or paperboard articles	**3 231**	**3 116**	**640**	**3 303**	**2 408**	**1 073**	**2 069**	**1 417**	**1 068**	**893**	**724**	**747**
Less than 50 lb	57	5	1	32	3	1	21	2	1	14	1	1
50 to 99 lb	33	6	1	18	3	1	S	S	S	S	1	1
100 to 499 lb	146	37	7	73	14	6	33	6	4	21	3	3
500 to 749 lb	54	23	5	S	S	S	8	3	2	4	1	1
750 to 999 lb	37	13	2	25	4	2	10	2	1	4	1	1
1,000 to 9,999 lb	530	406	77	357	183	79	236	80	58	84	46	48
10,000 to 49,999 lb	2 329	2 534	528	2 623	1 841	797	1 578	1 090	802	739	587	600
50,000 to 99,999 lb	S	31	6	S	43	21	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	296	159	S	227	194	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	**2 761**	**968**	**202**	**3 231**	**1 175**	**531**	**2 610**	**801**	**590**	**1 646**	**275**	**276**
Less than 50 lb	530	21	5	626	21	10	460	19	15	431	19	19
50 to 99 lb	155	11	2	161	7	3	80	4	3	50	3	3
100 to 499 lb	298	33	7	369	35	16	309	27	20	97	11	11
500 to 749 lb	105	21	4	95	16	7	S	20	14	34	4	4
750 to 999 lb	54	11	2	95	17	7	45	7	5	S	6	6
1,000 to 9,999 lb	892	318	68	756	252	109	597	129	97	656	93	94
10,000 to 49,999 lb	704	485	103	1 127	826	378	848	592	434	232	135	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**27 887**	**5 179**	**1 061**	**22 968**	**4 545**	**2 117**	**17 795**	**2 918**	**2 164**	**6 825**	**1 049**	**1 087**
Less than 50 lb	985	31	7	1 617	51	24	1 464	49	37	894	26	27
50 to 99 lb	330	18	4	499	26	12	500	29	22	215	13	14
100 to 499 lb	964	95	20	1 423	133	63	1 451	146	109	730	73	75
500 to 749 lb	440	54	12	868	90	42	576	88	66	316	37	37
750 to 999 lb	412	45	9	692	65	31	652	82	60	267	35	35
1,000 to 9,999 lb	11 236	911	181	7 524	1 047	494	6 436	957	706	2 272	272	281
10,000 to 49,999 lb	13 320	3 890	799	9 253	2 618	1 194	6 564	1 505	1 116	2 114	533	557
50,000 to 99,999 lb	122	49	10	S	S	S	99	37	29	S	S	S
100,000 lb or more	79	86	20	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**3 750**	**15 494**	**3 093**	**2 421**	**6 678**	**2 882**	**1 302**	**2 240**	**1 681**	**638**	**787**	**840**
Less than 50 lb	59	3	1	116	3	1	67	2	2	34	2	2
50 to 99 lb	21	4	1	26	2	1	14	1	1	S	1	1
100 to 499 lb	137	25	5	73	10	5	61	8	6	64	8	8
500 to 749 lb	51	11	2	21	4	2	35	8	6	6	2	2
750 to 999 lb	57	11	2	17	3	1	14	4	3	S	S	S
1,000 to 9,999 lb	1 109	291	60	373	122	57	329	96	71	68	29	30
10,000 to 49,999 lb	1 760	8 563	1 750	1 595	4 935	2 121	717	1 332	982	377	611	641
50,000 to 99,999 lb	482	5 054	902	153	1 059	409	20	128	102	18	66	73
100,000 lb or more	74	1 531	371	47	539	284	46	662	509	5	62	78
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**5 454**	**6 619**	**1 430**	**5 908**	**5 576**	**2 583**	**2 964**	**2 740**	**2 071**	**1 074**	**953**	**1 079**
Less than 50 lb	129	4	1	70	2	1	66	2	1	44	1	1
50 to 99 lb	18	3	1	26	2	1	36	2	1	S	S	S
100 to 499 lb	189	40	8	113	11	5	66	7	5	47	4	5
500 to 749 lb	89	26	5	64	9	4	24	4	3	S	2	2
750 to 999 lb	51	24	5	99	7	3	34	7	5	9	1	1
1,000 to 9,999 lb	838	557	104	730	266	118	420	168	125	119	77	84
10,000 to 49,999 lb	3 710	4 172	873	3 987	3 984	1 784	1 903	1 599	1 181	681	470	481
50,000 to 99,999 lb	139	306	74	308	234	92	64	S	S	S	S	S
100,000 lb or more	290	S	S	510	1 061	576	352	589	486	S	S	S
SCTG 33, Articles of base metal	**4 492**	**2 080**	**419**	**5 111**	**2 233**	**1 002**	**3 037**	**1 018**	**749**	**1 584**	**437**	**447**
Less than 50 lb	544	20	4	638	15	7	557	13	10	261	5	5
50 to 99 lb	172	16	3	176	8	3	141	5	4	65	4	4
100 to 499 lb	519	65	13	573	44	20	358	29	22	192	12	13
500 to 749 lb	159	36	7	167	27	12	126	14	10	55	6	6
750 to 999 lb	130	26	5	167	25	12	151	15	11	67	9	9
1,000 to 9,999 lb	1 314	563	112	1 190	353	162	743	186	140	408	105	105
10,000 to 49,999 lb	1 602	1 268	258	2 073	1 614	716	854	611	440	532	289	296
50,000 to 99,999 lb	23	39	7	51	36	16	S	47	37	S	S	S
100,000 lb or more	28	S	9	S	110	S	S	S	S	S	S	S
SCTG 34, Machinery	**9 173**	**920**	**202**	**10 635**	**1 052**	**500**	**7 918**	**743**	**558**	**4 184**	**397**	**402**
Less than 50 lb	1 308	33	7	1 008	15	7	773	12	8	514	6	7
50 to 99 lb	461	25	5	362	14	6	308	8	6	170	6	6
100 to 499 lb	1 126	76	16	1 320	58	27	834	38	28	579	21	21
500 to 749 lb	372	20	4	415	27	12	588	25	20	168	9	9
750 to 999 lb	161	16	3	297	16	8	230	18	13	99	6	6
1,000 to 9,999 lb	1 718	205	44	2 942	207	96	2 473	214	160	884	79	80
10,000 to 49,999 lb	3 177	503	114	3 988	644	309	2 631	409	307	1 673	250	254
50,000 to 99,999 lb	S	S	S	177	44	20	72	19	14	92	18	18
100,000 lb or more	S	S	S	125	26	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**10 769**	**636**	**144**	**20 418**	**994**	**470**	**16 781**	**1 172**	**882**	**8 400**	**396**	**416**
Less than 50 lb	2 914	38	8	3 817	30	14	3 357	24	18	2 080	15	16
50 to 99 lb	943	17	4	938	21	10	1 242	16	12	675	9	10
100 to 499 lb	2 356	68	14	2 613	73	33	2 704	68	51	1 716	32	34
500 to 749 lb	484	22	4	417	19	9	1 077	24	18	288	13	14
750 to 999 lb	188	11	2	469	21	10	324	19	14	S	15	16
1,000 to 9,999 lb	2 191	141	29	S	288	139	4 837	257	199	1 257	66	70
10,000 to 49,999 lb	1 545	306	73	2 355	514	240	3 124	728	544	1 417	188	195
50,000 to 99,999 lb	35	S	S	85	18	9	46	13	9	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	22	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**11 018**	**1 415**	**320**	**13 382**	**2 142**	**1 062**	**14 455**	**1 725**	**1 326**	**3 790**	**485**	**515**
Less than 50 lb	829	28	6	802	29	13	637	21	15	260	8	8
50 to 99 lb	265	14	3	273	16	7	178	9	7	29	1	1
100 to 499 lb	1 271	81	17	769	45	20	766	46	33	170	19	20
500 to 749 lb	S	17	3	337	20	9	228	19	14	48	6	6
750 to 999 lb	147	23	5	157	15	7	77	11	8	18	S	S
1,000 to 9,999 lb	3 115	349	76	3 753	430	201	2 512	284	217	775	76	79
10,000 to 49,999 lb	3 359	685	160	6 100	1 177	573	8 984	1 150	875	1 790	225	238
50,000 to 99,999 lb	S	105	23	S	241	129	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	168	100	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**S**	**100**	**23**	**1 752**	**281**	**173**	**2 455**	**220**	**182**	**1 727**	**101**	**117**
Less than 50 lb	S	1	–	295	1	–	647	1	1	329	1	1
50 to 99 lb	18	S	S	84	–	–	S	1	1	263	1	1
100 to 499 lb	46	2	–	218	3	1	433	6	5	175	2	2
500 to 749 lb	10	S	S	55	3	1	40	1	1	117	1	1
750 to 999 lb	7	S	S	29	1	–	53	S	S	76	2	2
1,000 to 9,999 lb	S	49	9	357	23	11	286	16	13	380	18	19
10,000 to 49,999 lb	317	32	9	353	49	22	175	35	28	303	34	35
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	171	157	133	S	S	S
SCTG 38, Precision instruments and apparatus	**2 322**	**92**	**17**	**3 105**	**127**	**52**	**2 909**	**170**	**128**	**2 882**	**56**	**57**
Less than 50 lb	866	9	2	993	8	4	1 152	8	6	1 021	7	7
50 to 99 lb	181	S	S	282	2	1	188	3	2	S	S	S
100 to 499 lb	459	11	2	712	10	5	566	13	10	522	7	7
500 to 749 lb	102	4	1	121	3	2	134	4	3	41	2	2
750 to 999 lb	87	3	1	86	3	2	64	S	S	S	S	S
1,000 to 9,999 lb	435	22	4	531	23	11	S	23	18	S	17	18
10,000 to 49,999 lb	193	S	S	352	32	16	S	S	S	29	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**2 839**	**645**	**137**	**4 127**	**1 036**	**482**	**3 263**	**707**	**525**	**1 383**	**269**	**280**
Less than 50 lb	63	4	1	151	9	4	107	6	4	56	3	3
50 to 99 lb	64	7	2	118	12	5	108	10	8	46	4	4
100 to 499 lb	460	71	15	855	109	50	663	82	60	298	34	36
500 to 749 lb	202	34	7	322	50	23	175	27	20	82	13	13
750 to 999 lb	121	24	5	158	30	13	185	33	25	64	13	13
1,000 to 9,999 lb	1 226	299	62	1 622	405	184	1 308	293	220	466	97	103
10,000 to 49,999 lb	697	206	46	834	409	197	673	249	182	363	103	106
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**11 764**	**4 602**	**946**	**8 687**	**2 701**	**1 220**	**6 094**	**1 152**	**854**	**3 302**	**664**	**705**
Less than 50 lb	1 652	42	9	1 691	39	18	1 635	31	24	1 074	20	21
50 to 99 lb	326	23	5	265	14	7	340	14	10	210	10	10
100 to 499 lb	756	83	18	827	65	30	986	58	43	517	32	34
500 to 749 lb	202	28	6	440	32	14	238	22	17	130	12	13
750 to 999 lb	179	25	5	194	25	11	187	23	17	85	9	9
1,000 to 9,999 lb	1 971	498	101	1 792	337	147	1 227	204	151	651	102	106
10,000 to 49,999 lb	S	2 680	558	3 024	1 532	659	1 426	681	488	612	381	396
50,000 to 99,999 lb	307	1 054	201	179	368	161	S	53	46	S	43	45
100,000 lb or more	120	169	44	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**662**	**4 446**	**934**	**814**	**3 896**	**1 753**	**496**	**2 035**	**1 522**	**125**	**290**	**311**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	434	2 152	428	629	2 390	984	400	1 241	888	100	205	212
50,000 to 99,999 lb	34	358	76	S	S	S	S	S	S	S	S	S
100,000 lb or more	192	1 933	430	165	1 394	715	S	758	S	S	68	82
SCTG 43, Mixed freight	**17 996**	**6 545**	**1 215**	**S**	**1 049**	**444**	**474**	**232**	**169**	**162**	**53**	**49**
Less than 50 lb	347	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	129	16	3	S	S	S	S	S	S	S	S	S
100 to 499 lb	380	96	18	S	S	S	13	2	1	S	S	S
500 to 749 lb	200	70	13	43	15	6	6	2	1	S	S	S
750 to 999 lb	234	82	15	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	3 436	1 483	273	582	239	93	42	19	14	22	10	S
10,000 to 49,999 lb	13 096	4 621	866	S	711	312	247	195	143	S	40	35
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles[1]			250 to 499 miles[1]			500 to 749 miles[1]			750 to 999 miles[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**1 433**	**830**	**162**	**1 110**	**289**	**133**	**469**	**106**	**77**	**213**	**S**	**S**
Less than 50 lb	58	1	–	24	–	–	56	1	1	5	–	–
50 to 99 lb	S	–	–	14	1	–	S	–	–	S	S	S
100 to 499 lb	96	8	2	S	S	S	25	3	2	18	1	1
500 to 749 lb	S	S	1	20	3	1	9	2	1	2	–	–
750 to 999 lb	6	2	–	S	2	S	7	1	1	S	S	S
1,000 to 9,999 lb	129	76	14	131	32	13	86	15	11	S	3	3
10,000 to 49,999 lb	959	495	96	668	192	89	234	72	52	128	33	34
50,000 to 99,999 lb	41	146	28	S	36	18	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	**44 803**	**16 713**	**23 971**	**17 103**	**3 186**	**6 841**	**38 168**	**6 990**	**19 195**
Less than 50 lb	10 110	128	175	2 761	43	88	7 738	101	276
50 to 99 lb	1 969	51	69	777	22	46	2 026	38	103
100 to 499 lb	4 837	241	337	2 549	99	206	3 872	177	473
500 to 749 lb	1 443	103	145	602	52	104	1 202	84	222
750 to 999 lb	811	76	105	337	40	82	746	58	155
1,000 to 9,999 lb	9 267	1 306	1 787	3 481	398	826	7 432	874	2 314
10,000 to 49,999 lb	13 065	5 643	7 584	6 219	1 648	3 499	12 410	4 003	10 849
50,000 to 99,999 lb	S	1 034	1 350	57	48	103	S	177	490
100,000 lb or more	2 410	8 131	12 419	319	837	1 888	1 867	1 478	4 312
SCTG 01, Live animals and live fish	**61**	**46**	**59**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	6	4	6	S	S	S	–	–	–
100,000 lb or more	23	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**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	–	–	–	–	–	–	–	–	–
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	–	–	–
SCTG 03, Other agricultural products	**730**	**777**	**1 010**	**48**	**54**	**S**	**199**	**110**	**308**
Less than 50 lb	65	13	18	8	S	S	S	S	S
50 to 99 lb	22	3	4	2	–	1	–	–	–
100 to 499 lb	87	14	20	10	2	4	8	2	5
500 to 749 lb	26	6	8	S	S	S	S	S	S
750 to 999 lb	16	4	5	–	–	–	S	1	4
1,000 to 9,999 lb	163	91	118	S	S	S	41	23	61
10,000 to 49,999 lb	301	507	659	6	7	17	54	64	179
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**53**	**106**	**163**	**S**	**S**	**S**	**S**	**29**	**85**
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	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	28	42	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	14	61	95	–	–	–	8	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**1 006**	**S**	**S**	**226**	**73**	**146**	**485**	**189**	**492**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	4	–	1	S	S	S	S	S	S
750 to 999 lb	6	1	1	2	–	S	S	S	S
1,000 to 9,999 lb	283	59	78	S	14	28	136	24	65
10,000 to 49,999 lb	S	S	S	107	58	114	221	134	340
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**145**	**93**	**127**	**96**	**49**	**105**	**129**	**80**	**210**
Less than 50 lb	1	–	–	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	13	5	7	S	S	S	10	5	14
10,000 to 49,999 lb	123	86	117	82	42	90	115	73	193
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 07, Other prepared foodstuffs and fats and oils	**1 351**	**1 869**	**2 376**	**280**	**111**	**229**	**563**	**328**	**916**
Less than 50 lb	3	S	S	S	–	1	14	2	4
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	102	47	65	18	8	17	71	S	S
10,000 to 49,999 lb	757	611	815	249	100	206	468	282	791
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	1 363	–	–	–	–	–	–
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	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 09, Tobacco products	**1 520**	**47**	**S**	**S**	**S**	**S**	**2 555**	**83**	**237**
Less than 50 lb	58	1	1	11	–	1	44	1	2
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	6	–	–	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	1	1	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	2 466	73	209
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 10, Monumental or building stone	**S**	**1**	**2**	**S**	**S**	**S**	**1**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	1	1	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**4**	**9**	**23**
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	4	8	22
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**247**	**2 286**	**3 361**	**19**	**204**	**423**	**62**	**415**	**1 239**
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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	25	116	150	8	39	84	14	53	134
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	182	2 127	3 149	S	S	337	45	350	1 073

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**	**38**	**62**	**S**	**4**	**8**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	–	S	S
500 to 749 lb	–	–	–	S	S	S	S	S	S
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	2	5	7	S	4	8	2	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	5	33	54	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**21**	**S**	**S**	**S**	**S**	**S**	**17**	**S**	**S**
Less than 50 lb	1	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	5	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	1	2	S	S	S	4	2	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	–	–	–	–	–	–
SCTG 20, Basic chemicals	**851**	**474**	**690**	**147**	**95**	**210**	**558**	**494**	**1 369**
Less than 50 lb	S	S	S	5	S	S	13	–	1
50 to 99 lb	S	S	S	S	S	S	5	–	–
100 to 499 lb	8	1	1	2	–	–	22	1	2
500 to 749 lb	S	–	–	S	S	S	S	1	3
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	128	16	21	S	4	8	43	7	19
10,000 to 49,999 lb	384	213	295	90	63	132	270	148	398
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	272	230	352	S	S	S	192	336	946
SCTG 21, Pharmaceutical products	**2 608**	**139**	**S**	**418**	**11**	**23**	**1 690**	**S**	**S**
Less than 50 lb	1 431	10	13	300	2	4	737	5	13
50 to 99 lb	S	S	S	S	S	S	S	1	1
100 to 499 lb	S	S	S	S	S	S	136	4	11
500 to 749 lb	S	S	S	S	S	S	S	2	5
750 to 999 lb	S	S	S	S	S	S	5	–	1
1,000 to 9,999 lb	224	S	S	S	1	3	188	12	31
10,000 to 49,999 lb	158	39	50	S	S	S	529	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	**442**	**2 259**	**3 731**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	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	439	2 249	3 718	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**863**	**522**	**760**	**312**	**170**	**356**	**1 071**	**432**	**1 235**
Less than 50 lb	149	6	8	S	1	1	S	S	S
50 to 99 lb	50	3	3	1	–	–	31	1	4
100 to 499 lb	96	6	8	S	3	5	58	5	14
500 to 749 lb	38	4	6	5	1	3	10	2	5
750 to 999 lb	11	1	2	S	S	S	6	2	5
1,000 to 9,999 lb	138	32	45	84	23	47	S	42	111
10,000 to 49,999 lb	305	186	267	154	96	202	571	331	940
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**1 889**	**662**	**937**	**582**	**139**	**302**	**1 804**	**614**	**1 659**
Less than 50 lb	137	4	6	52	1	3	105	3	8
50 to 99 lb	38	2	3	15	1	2	33	2	7
100 to 499 lb	153	14	20	61	S	S	115	9	25
500 to 749 lb	S	10	14	31	4	8	56	7	19
750 to 999 lb	43	6	9	27	3	6	34	4	10
1,000 to 9,999 lb	446	113	156	156	26	53	281	61	162
10,000 to 49,999 lb	844	340	465	227	77	165	1 073	461	1 235
50,000 to 99,999 lb	S	S	S	–	–	–	53	13	38
100,000 lb or more	129	166	255	14	20	50	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	–	–	–	S	S	S	S	S	S
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 26, Wood products	**260**	**339**	**469**	**167**	**161**	**351**	**236**	**220**	**609**
Less than 50 lb	27	1	2	S	S	S	14	S	S
50 to 99 lb	1	–	–	S	S	S	S	S	S
100 to 499 lb	S	S	S	3	–	1	4	1	1
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	2	–	1	S	S	S	S	S	S
1,000 to 9,999 lb	38	10	14	S	5	11	45	10	26
10,000 to 49,999 lb	120	177	235	87	100	211	126	125	340
50,000 to 99,999 lb	24	S	84	3	8	17	12	38	109
100,000 lb or more	37	81	132	S	S	S	16	45	126
SCTG 27, Pulp, newsprint, paper, and paperboard	**680**	**1 131**	**1 630**	**115**	**104**	**228**	**274**	**311**	**853**
Less than 50 lb	S	S	S	S	S	S	4	–	1
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	2	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	10	14	S	S	S	20	8	19
10,000 to 49,999 lb	389	539	734	S	70	153	177	204	550
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	237	576	874	S	S	S	58	96	272
SCTG 28, Paper or paperboard articles	**247**	**142**	**198**	**142**	**93**	**210**	**261**	**186**	**513**
Less than 50 lb	7	1	1	3	–	–	9	1	2
50 to 99 lb	5	1	1	S	S	1	1	–	1
100 to 499 lb	16	3	4	S	S	S	S	1	3
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	–	1
1,000 to 9,999 lb	59	18	25	17	8	18	43	13	35
10,000 to 49,999 lb	143	79	104	103	43	91	190	133	374
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	**1 103**	**140**	**189**	**452**	**44**	**90**	**1 025**	**125**	**331**
Less than 50 lb	448	14	19	125	4	9	391	14	38
50 to 99 lb	29	2	2	12	1	2	28	1	4
100 to 499 lb	180	10	14	147	S	S	129	S	S
500 to 749 lb	30	3	4	S	S	S	S	S	S
750 to 999 lb	15	2	2	S	S	S	7	1	3
1,000 to 9,999 lb	175	33	46	70	9	18	147	26	70
10,000 to 49,999 lb	215	76	100	67	12	24	271	65	169
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**5 787**	**831**	**1 166**	**3 456**	**728**	**1 527**	**5 206**	**746**	**1 973**
Less than 50 lb	821	20	28	273	8	17	793	21	57
50 to 99 lb	228	14	18	82	6	12	159	8	22
100 to 499 lb	393	28	39	247	28	58	637	45	117
500 to 749 lb	156	18	26	223	21	42	171	19	51
750 to 999 lb	124	15	21	93	18	37	250	18	47
1,000 to 9,999 lb	1 903	229	319	1 090	140	289	1 697	192	491
10,000 to 49,999 lb	2 122	481	679	1 403	386	S	1 420	354	905
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**285**	**697**	**S**	**111**	**40**	**87**	**381**	**272**	**773**
Less than 50 lb	29	1	1	15	–	1	56	2	4
50 to 99 lb	S	–	–	S	S	S	6	–	1
100 to 499 lb	17	2	3	9	1	1	51	2	6
500 to 749 lb	7	1	2	S	–	–	6	1	3
750 to 999 lb	2	1	1	S	S	S	S	1	2
1,000 to 9,999 lb	34	9	13	S	5	10	106	18	48
10,000 to 49,999 lb	176	402	522	24	21	47	120	88	235
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 32, Base metal in primary or semifinished forms and in finished basic shapes	**507**	**197**	**282**	**109**	**53**	**110**	**431**	**274**	**772**
Less than 50 lb	16	–	1	S	S	S	25	–	1
50 to 99 lb	9	–	–	S	S	S	9	S	S
100 to 499 lb	24	2	3	5	S	S	12	1	2
500 to 749 lb	59	3	4	3	1	2	S	1	2
750 to 999 lb	S	1	1	S	S	S	S	S	S
1,000 to 9,999 lb	141	S	S	34	11	22	72	53	142
10,000 to 49,999 lb	128	89	121	49	33	68	219	133	394
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	72	S	S
SCTG 33, Articles of base metal	**995**	**266**	**366**	**296**	**67**	**168**	**741**	**266**	**719**
Less than 50 lb	243	4	6	85	1	3	163	3	8
50 to 99 lb	61	2	3	15	1	2	72	2	5
100 to 499 lb	137	10	14	32	2	4	153	10	26
500 to 749 lb	36	5	6	S	2	4	14	2	6
750 to 999 lb	46	6	7	S	S	S	32	4	11
1,000 to 9,999 lb	179	55	75	55	18	37	89	25	68
10,000 to 49,999 lb	281	128	178	47	31	64	202	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 34, Machinery	**3 317**	**258**	**358**	**1 007**	**101**	**218**	**3 208**	**220**	**593**
Less than 50 lb	382	4	5	143	2	3	271	3	8
50 to 99 lb	99	3	3	23	1	1	130	3	7
100 to 499 lb	357	13	19	98	5	10	177	9	25
500 to 749 lb	114	7	11	8	1	1	S	5	14
750 to 999 lb	90	5	6	19	1	3	66	6	15
1,000 to 9,999 lb	753	64	86	374	27	58	661	53	145
10,000 to 49,999 lb	886	146	207	317	60	130	793	113	305
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	–	–	–	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**9 892**	**235**	**325**	**3 991**	**303**	**628**	**7 286**	**194**	**532**
Less than 50 lb	2 932	14	19	912	6	14	2 561	14	37
50 to 99 lb	839	6	8	S	3	7	1 094	6	16
100 to 499 lb	1 548	21	29	S	10	20	1 241	20	56
500 to 749 lb	357	8	11	58	3	5	256	6	17
750 to 999 lb	140	3	4	S	S	S	151	4	12
1,000 to 9,999 lb	2 396	87	118	561	35	73	1 400	49	130
10,000 to 49,999 lb	S	89	128	724	S	S	567	91	253
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	**1 956**	**245**	**354**	**681**	**64**	**133**	**2 855**	**311**	**826**
Less than 50 lb	68	2	3	75	2	5	86	3	8
50 to 99 lb	22	1	2	S	1	1	10	1	2
100 to 499 lb	S	6	8	34	3	6	S	4	10
500 to 749 lb	S	S	3	S	S	S	12	1	4
750 to 999 lb	9	1	2	S	S	S	13	2	5
1,000 to 9,999 lb	422	47	65	76	6	12	497	41	109
10,000 to 49,999 lb	S	134	188	404	45	97	1 257	192	497
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**937**	**23**	**31**	**S**	**14**	**31**	**1 161**	**20**	**60**
Less than 50 lb	308	1	1	94	–	–	491	1	2
50 to 99 lb	33	–	–	22	S	S	26	–	–
100 to 499 lb	121	1	1	S	1	2	S	1	3
500 to 749 lb	S	–	–	S	S	S	S	–	1
750 to 999 lb	S	S	S	S	S	S	S	–	1
1,000 to 9,999 lb	S	9	12	S	S	S	S	6	15
10,000 to 49,999 lb	104	11	15	S	8	20	S	12	37
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**2 222**	**31**	**43**	**684**	**9**	**18**	**2 049**	**S**	**S**
Less than 50 lb	S	6	8	264	2	3	763	5	14
50 to 99 lb	99	1	1	104	S	S	126	1	4
100 to 499 lb	471	5	7	171	2	S	310	5	13
500 to 749 lb	S	S	S	15	–	–	34	1	4
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	2	4	53	10	26
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**659**	**113**	**154**	**333**	**52**	**112**	**886**	**142**	**386**
Less than 50 lb	45	2	3	16	S	S	71	3	9
50 to 99 lb	24	2	3	10	1	2	41	3	9
100 to 499 lb	148	16	23	75	9	18	207	22	57
500 to 749 lb	34	5	6	53	6	12	79	9	24
750 to 999 lb	16	4	6	34	4	9	30	4	12
1,000 to 9,999 lb	294	49	68	105	18	39	239	45	125
10,000 to 49,999 lb	94	34	44	33	12	26	220	55	149
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**3 422**	**422**	**585**	**1 196**	**104**	**227**	**2 624**	**280**	**754**
Less than 50 lb	1 586	20	27	322	7	14	978	15	43
50 to 99 lb	356	8	11	88	3	7	194	5	13
100 to 499 lb	328	24	34	162	7	14	311	18	47
500 to 749 lb	60	7	9	35	2	5	126	11	30
750 to 999 lb	168	16	23	29	4	7	80	5	14
1,000 to 9,999 lb	373	54	73	126	19	42	416	59	157
10,000 to 49,999 lb	545	262	361	421	S	134	509	159	429
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	**76**	**232**	**346**	**S**	**S**	**S**	**7**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	61	98	137	S	S	S	S	14	35
50,000 to 99,999 lb	S	36	53	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 43, Mixed freight	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	1	1	S	S	S	S	S	S
50 to 99 lb	S	–	–	S	S	S	S	S	S
100 to 499 lb	6	1	2	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles[1]			1,500 to 1,999 miles[1]			2,000 miles or more[1]		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thosands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Commodity unknown	**156**	**26**	**33**	**38**	**3**	**7**	**S**	**S**	**S**
Less than 50 lb	15	–	–	S	S	S	15	–	–
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	1	3
500 to 749 lb	3	1	1	S	S	S	3	S	1
750 to 999 lb	S	S	S	S	S	S	2	S	S
1,000 to 9,999 lb	S	7	9	S	S	S	7	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	–	–	–	–	–	–	S	S	S

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

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

[1]Based on Great Circle Distance.

Appendix A.
Comparability With the 1993 Commodity Flow Survey

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

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

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

Appendix B. Reliability of the Estimates

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

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

SAMPLING ERROR

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

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

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

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

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

NONSAMPLING ERROR

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

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

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

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

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

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**	**3.0**
Single modes	**2.7**	**.4**	**3.4**	**.3**	**3.8**	**.8**	**4.1**
Truck	2.8	.5	3.8	1.4	2.3	1.4	4.4
For-hire truck	3.5	1.0	7.2	1.7	3.3	1.1	3.3
Private truck	4.0	1.0	5.8	2.0	4.2	.7	9.9
Rail	9.0	.3	8.4	1.2	7.5	1.7	6.5
Water	21.4	–	18.6	.3	24.1	.7	18.9
Shallow draft	16.2	–	21.2	.3	25.6	.7	22.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	48.9	–	S	S	S	S	21.8
Air (includes truck and air)	10.7	.2	24.7	–	30.1	–	4.1
Pipeline	S	S	43.4	.4	S	S	S
Multiple modes	**3.1**	**.3**	**13.2**	**.2**	**12.5**	**.7**	**2.8**
Parcel, U.S. Postal Service or courier	2.9	.3	6.7	–	4.0	–	2.8
Truck and rail	18.4	–	23.9	–	25.5	.4	8.4
Truck and water	38.4	–	38.3	–	35.1	.3	15.6
Rail and water	21.8	–	22.4	.1	21.9	.4	16.8
Other multiple modes	35.2	–	32.0	–	47.6	.3	S
Other and unknown modes	**5.5**	**.2**	**11.5**	**.2**	**13.8**	**.4**	**15.3**

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

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	**2.4**	**2.1**	**3.6**	**3.2**	**4.5**	**6.2**	**3.4**	**4.2**	**5.6**	**3.0**	**11.2**	**12.1**
Single modes	**2.7**	**2.4**	**4.0**	**3.4**	**4.7**	**6.8**	**3.8**	**4.0**	**5.9**	**4.1**	**4.3**	**6.6**
Truck	2.8	2.6	4.3	3.8	4.6	7.3	2.3	3.1	4.5	4.4	4.6	6.9
For-hire truck	3.5	2.2	4.7	7.2	10.8	16.5	3.3	2.4	4.9	3.3	7.3	9.2
Private truck	4.0	5.4	7.5	5.8	5.2	9.1	4.2	8.2	9.9	9.9	4.9	12.9
Rail	9.0	7.4	13.1	8.4	10.8	14.6	7.5	7.9	12.2	6.5	4.3	7.0
Water	21.4	25.1	15.0	18.6	29.5	14.6	24.1	34.2	16.5	18.9	20.2	73.1
Shallow draft	16.2	28.4	17.8	21.2	34.3	21.1	25.6	30.2	25.6	22.6	20.2	21.0
Great Lakes	–	–	–	–	–	–	–	–	–	–	–	–
Deep draft	48.9	38.2	22.0	S	S	S	S	S	S	21.8	30.5	90.5
Air (includes truck and air)	10.7	12.0	24.9	24.7	11.2	57.3	30.1	13.8	65.9	4.1	2.9	4.5
Pipeline	S	S	S	43.4	48.1	284.2	S	S	S	S	S	S
Multiple modes	**3.1**	**4.2**	**6.7**	**13.2**	**14.2**	**12.0**	**12.5**	**17.9**	**15.2**	**2.8**	**8.1**	**8.5**
Parcel, U.S. Postal Service or courier	2.9	4.3	7.2	6.7	6.3	9.6	4.0	14.0	15.0	2.8	8.2	8.5
Truck and rail	18.4	28.4	17.2	23.9	19.0	24.4	25.5	18.8	43.6	8.4	7.1	11.2
Truck and water	38.4	18.6	77.6	38.3	33.3	19.5	35.1	29.8	21.5	15.6	18.9	64.6
Rail and water	21.8	37.3	18.8	22.4	23.8	19.0	21.9	31.6	19.2	16.8	14.1	14.6
Other multiple modes	35.2	S	S	32.0	39.0	40.0	47.6	45.2	48.3	S	S	S
Other and unknown modes	**5.5**	**13.6**	**17.9**	**11.5**	**13.2**	**8.3**	**13.8**	**21.9**	**15.4**	**15.3**	**25.1**	**15.3**

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

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

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

Table B–2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the Division: 1997

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

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	**3.4**	**–**	**3.0**
Truck	2.3	1.4	4.4
Rail	7.0	1.6	5.9
Shallow draft	21.3	.8	23.6
Great Lakes	S	S	21.2
Deep draft	38.5	.5	15.2
Air	29.2	–	4.3
Parcel, U.S. Postal Service or courier	4.0	–	2.8
Pipeline	S	S	S
Other and unknown modes	13.7	.4	15.3

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

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**
Less than 50 miles	2.5	.6	3.7	1.5	4.1	.4
50 to 99 miles	10.9	.7	12.0	1.0	11.0	.5
100 to 249 miles	4.4	.5	7.1	.9	8.4	1.3
250 to 499 miles	4.7	.6	7.8	.7	7.8	1.5
500 to 749 miles	2.9	.3	5.6	.2	6.6	.9
750 to 999 miles	2.9	.2	5.5	–	5.9	.5
1,000 to 1,499 miles	5.4	.2	8.6	–	8.9	.7
1,500 to 1,999 miles	12.4	.2	10.0	–	10.5	.2
2,000 miles or more	5.7	.2	4.3	–	4.5	.4
Single modes	**2.7**	**–**	**3.4**	**–**	**3.8**	**–**
Less than 50 miles	3.0	.7	3.8	1.5	4.2	.4
50 to 99 miles	11.7	.8	12.2	1.0	11.3	.5
100 to 249 miles	4.6	.5	7.4	.9	8.8	1.3
250 to 499 miles	5.5	.7	8.2	.8	8.3	1.6
500 to 749 miles	3.5	.3	5.2	.2	5.8	.8
750 to 999 miles	3.3	.2	5.4	–	5.8	.5
1,000 to 1,499 miles	7.5	.3	9.2	–	9.4	.7
1,500 to 1,999 miles	16.0	.2	9.9	–	10.2	.2
2,000 miles or more	8.4	.2	4.6	–	4.9	.3
Truck	**2.8**	**–**	**3.8**	**–**	**2.3**	**–**
Less than 50 miles	2.8	.7	4.5	1.4	4.3	.5
50 to 99 miles	12.0	.8	13.6	1.2	12.7	.9
100 to 249 miles	5.1	.6	4.4	.5	4.2	.6
250 to 499 miles	5.7	.7	3.5	.3	3.7	.7
500 to 749 miles	4.4	.4	4.1	.1	3.9	.6
750 to 999 miles	3.7	.2	7.1	–	7.6	.7
1,000 to 1,499 miles	4.9	.2	10.4	–	10.0	.6
1,500 to 1,999 miles	18.2	.2	9.7	–	9.4	.2
2,000 miles or more	8.8	.2	5.0	–	5.1	.4
For-hire truck	**3.5**	**–**	**7.2**	**–**	**3.3**	**–**
Less than 50 miles	6.4	.8	7.3	2.0	7.1	.4
50 to 99 miles	17.6	1.0	23.3	1.7	21.7	1.1
100 to 249 miles	3.0	.5	7.6	.9	7.0	.6
250 to 499 miles	7.2	.9	3.7	.5	4.1	.7
500 to 749 miles	4.8	.5	3.7	.3	3.7	.7
750 to 999 miles	4.3	.4	3.2	.1	3.3	.4
1,000 to 1,499 miles	6.2	.3	7.2	.1	7.0	.5
1,500 to 1,999 miles	17.8	.4	8.0	–	8.0	.2
2,000 miles or more	10.4	.4	4.7	–	4.9	.5
Private truck	**4.0**	**–**	**5.8**	**–**	**4.2**	**–**
Less than 50 miles	3.3	1.4	7.3	1.3	5.9	1.5
50 to 99 miles	8.9	.7	12.7	1.0	12.2	1.2
100 to 249 miles	10.9	1.1	5.5	.8	5.3	1.3
250 to 499 miles	8.9	.6	10.1	.3	10.4	1.4
500 to 749 miles	8.3	.3	12.8	.1	11.9	.9
750 to 999 miles	7.5	–	24.1	.1	25.1	1.7
1,000 to 1,499 miles	21.2	.2	31.5	–	30.5	1.1
1,500 to 1,999 miles	27.9	.1	42.1	–	40.4	.7
2,000 miles or more	25.3	.2	19.7	–	18.9	.4
Rail	**9.0**	**–**	**8.4**	**–**	**7.5**	**–**
Less than 50 miles	10.9	1.4	17.7	3.8	17.6	.6
50 to 99 miles	12.2	.6	18.3	.9	22.4	.5
100 to 249 miles	11.0	2.0	16.0	2.8	15.7	2.5
250 to 499 miles	10.0	1.8	13.9	3.0	13.3	2.9
500 to 749 miles	24.5	3.1	8.5	.5	8.7	1.0
750 to 999 miles	14.8	.9	9.0	.3	8.8	.9
1,000 to 1,499 miles	16.0	.8	15.6	.5	16.2	1.6
1,500 to 1,999 miles	27.1	.1	32.0	–	32.6	.4
2,000 miles or more	27.3	1.3	17.5	.1	17.1	.7
Water	**21.4**	**–**	**18.6**	**–**	**24.1**	**–**
Less than 50 miles	33.6	7.1	25.0	7.6	27.9	5.1
50 to 99 miles	27.9	5.9	35.4	6.9	32.2	6.2
100 to 249 miles	30.9	4.2	40.3	6.0	48.6	6.4
250 to 499 miles	35.2	4.1	38.0	6.0	42.4	7.5
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Shallow draft	**16.2**	**–**	**21.2**	**–**	**25.6**	**–**
Less than 50 miles	34.3	7.6	26.2	6.9	28.4	4.9
50 to 99 miles	30.5	7.6	35.7	8.1	32.6	7.8
100 to 249 miles	35.6	5.6	41.7	6.2	49.9	6.6
250 to 499 miles	38.9	4.6	39.1	6.4	42.8	7.6
500 to 749 miles	46.3	2.8	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	–	–	–	–	–	–

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	**48.9**	**–**	**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	S	S	S	S
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Air (includes truck and air)	**10.7**	**–**	**24.7**	**–**	**30.1**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	25.0	1.0	18.4	1.2	20.1	.3
100 to 249 miles	32.3	4.2	19.9	1.6	17.8	.6
250 to 499 miles	12.0	2.1	35.4	3.9	19.2	2.8
500 to 749 miles	11.6	2.3	17.0	3.4	16.5	3.0
750 to 999 miles	15.6	1.1	28.7	1.6	29.9	1.7
1,000 to 1,499 miles	40.8	3.6	S	S	S	S
1,500 to 1,999 miles	22.4	.9	49.8	2.3	47.4	2.7
2,000 miles or more	13.0	1.7	11.3	1.6	10.4	3.6
Pipeline	**S**	**S**	**43.4**	**–**	**S**	**S**
Less than 50 miles	S	S	46.5	3.9	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	49.2	3.9	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	–	–	–	–	S	S
750 to 999 miles	–	–	–	–	S	S
1,000 to 1,499 miles	–	–	–	–	S	S
1,500 to 1,999 miles	–	–	–	–	S	S
2,000 miles or more	–	–	–	–	S	S
Multiple modes	**3.1**	**–**	**13.2**	**–**	**12.5**	**–**
Less than 50 miles	7.9	.9	33.1	2.1	31.9	–
50 to 99 miles	8.1	.4	33.2	.8	S	S
100 to 249 miles	3.8	.4	23.2	5.5	24.7	3.9
250 to 499 miles	4.5	.6	27.3	3.3	24.7	2.7
500 to 749 miles	5.8	.7	26.3	4.1	29.0	5.3
750 to 999 miles	5.3	.4	31.4	2.5	32.3	2.6
1,000 to 1,499 miles	8.3	.8	37.7	1.4	35.3	2.4
1,500 to 1,999 miles	8.1	.3	27.9	.4	30.0	1.5
2,000 miles or more	4.7	.4	20.0	.6	20.3	2.2
Parcel, U.S. Postal Service or courier	**2.9**	**–**	**6.7**	**–**	**4.0**	**–**
Less than 50 miles	8.2	1.0	8.9	.9	11.5	–
50 to 99 miles	8.3	.4	16.2	.5	16.6	.2
100 to 249 miles	3.8	.5	13.2	.8	14.1	.6
250 to 499 miles	4.1	.6	9.5	.6	8.0	.7
500 to 749 miles	5.5	.7	3.9	.6	3.9	.6
750 to 999 miles	5.3	.4	7.1	.7	7.1	.8
1,000 to 1,499 miles	8.2	.8	4.9	.4	4.9	.6
1,500 to 1,999 miles	6.7	.2	11.4	.3	11.7	.8
2,000 miles or more	5.8	.4	5.7	.3	5.6	.8
Truck and rail	**18.4**	**–**	**23.9**	**–**	**25.5**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	49.5	.5	S	S	S	S
100 to 249 miles	29.8	1.1	37.0	5.7	40.1	2.1
250 to 499 miles	24.5	2.7	38.5	5.2	33.3	3.0
500 to 749 miles	36.7	3.8	31.4	3.5	30.9	2.3
750 to 999 miles	38.7	2.7	31.6	2.6	30.8	2.6
1,000 to 1,499 miles	27.0	1.2	S	S	S	S
1,500 to 1,999 miles	47.8	3.4	38.9	1.3	39.6	2.9
2,000 miles or more	12.8	3.7	24.9	2.6	25.3	4.1
Truck and water	**38.4**	**–**	**38.3**	**–**	**35.1**	**–**
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	44.7	8.5	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	42.9	8.1	46.4	8.9	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	S	S	S	S	S	S
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	33.9	9.7	22.3	9.3	22.8	12.6

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	**21.8**	**–**	**22.4**	**–**	**21.9**	**–**
Less than 50 miles	–	–	–	–	–	–
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	32.0	8.5	30.8	8.3	32.6	8.9
250 to 499 miles	45.7	4.9	47.8	4.6	40.4	5.3
500 to 749 miles	S	S	S	S	S	S
750 to 999 miles	S	S	S	S	S	S
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	**35.2**	**–**	**32.0**	**–**	**47.6**	**–**
Less than 50 miles	44.3	9.8	43.0	8.1	44.9	9.9
50 to 99 miles	S	S	S	S	S	S
100 to 249 miles	S	S	S	S	S	S
250 to 499 miles	S	S	S	S	S	S
500 to 749 miles	49.1	8.4	48.9	9.2	48.7	14.2
750 to 999 miles	–	–	–	–	–	–
1,000 to 1,499 miles	–	–	–	–	–	–
1,500 to 1,999 miles	–	–	–	–	–	–
2,000 miles or more	S	S	S	S	S	S
Other and unknown modes	**5.5**	**–**	**11.5**	**–**	**13.8**	**–**
Less than 50 miles	6.0	2.0	16.5	4.2	22.1	.8
50 to 99 miles	12.1	.6	24.7	2.5	29.8	2.0
100 to 249 miles	17.8	1.4	29.0	3.6	24.1	3.5
250 to 499 miles	12.7	1.2	21.9	2.3	21.2	3.5
500 to 749 miles	14.4	.9	28.5	.8	28.1	2.5
750 to 999 miles	13.2	.8	46.2	2.6	46.6	5.0
1,000 to 1,499 miles	44.7	1.7	41.7	1.1	40.6	2.2
1,500 to 1,999 miles	28.8	.4	26.7	.1	27.2	.6
2,000 miles or more	21.9	.8	28.6	.5	27.9	2.6

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**	**3.0**
Less than 50 lb	2.8	.4	3.3	–	3.2	–	3.2
50 to 99 lb	4.1	.1	5.0	–	3.8	–	4.1
100 to 499 lb	2.7	.3	3.5	–	2.9	–	4.6
500 to 749 lb	3.4	.1	3.4	–	5.0	–	4.4
750 to 999 lb	4.4	–	3.3	–	3.2	–	3.1
1,000 to 9,999 lb	8.9	1.3	2.3	.1	3.1	.2	2.6
10,000 to 49,999 lb	3.2	1.1	3.6	.9	2.2	1.1	3.8
50,000 to 99,999 lb	7.5	.3	9.2	1.5	8.2	.6	5.9
100,000 lb or more	6.4	.3	5.6	1.4	6.0	1.4	6.4
Single modes	**2.7**	**–**	**3.4**	**–**	**3.8**	**–**	**4.1**
Less than 50 lb	4.4	.2	5.6	–	5.7	–	8.3
50 to 99 lb	7.3	.2	6.7	–	4.8	–	5.6
100 to 499 lb	3.2	.3	3.3	–	2.7	–	4.1
500 to 749 lb	3.6	.1	3.5	–	5.2	–	4.6
750 to 999 lb	4.5	.1	3.1	–	3.4	–	3.2
1,000 to 9,999 lb	9.2	1.5	2.3	.1	2.9	.2	2.5
10,000 to 49,999 lb	3.3	1.3	3.6	.9	2.2	1.2	3.8
50,000 to 99,999 lb	7.6	.4	9.2	1.5	8.7	.7	6.2
100,000 lb or more	6.7	.3	6.2	1.4	6.8	1.5	6.8
Truck	**2.8**	**–**	**3.8**	**–**	**2.3**	**–**	**4.4**
Less than 50 lb	4.8	.2	5.8	–	6.9	–	9.9
50 to 99 lb	8.4	.2	6.7	–	5.5	–	5.8
100 to 499 lb	3.5	.4	3.4	–	2.8	–	4.1
500 to 749 lb	3.7	.1	3.5	–	4.9	–	4.4
750 to 999 lb	4.6	.1	3.1	–	3.2	–	3.0
1,000 to 9,999 lb	9.5	1.6	2.3	.2	2.9	.4	2.5
10,000 to 49,999 lb	3.6	1.4	3.6	1.3	2.2	.9	3.8
50,000 to 99,999 lb	7.9	.4	9.3	1.5	9.1	1.0	6.3
100,000 lb or more	13.5	.2	11.5	.9	9.0	.4	10.8
For-hire truck	**3.5**	**–**	**7.2**	**–**	**3.3**	**–**	**3.3**
Less than 50 lb	9.1	.2	8.9	–	8.8	–	6.2
50 to 99 lb	9.0	–	9.0	–	6.8	–	5.9
100 to 499 lb	3.7	.3	3.6	–	3.0	–	3.4
500 to 749 lb	5.2	.2	5.1	–	5.8	–	2.5
750 to 999 lb	8.0	.2	6.5	–	4.1	–	3.3
1,000 to 9,999 lb	10.9	1.8	3.9	.2	3.7	.5	2.2
10,000 to 49,999 lb	3.1	1.6	5.5	1.5	2.7	1.0	4.2
50,000 to 99,999 lb	10.1	.3	14.2	1.8	14.8	1.2	4.2
100,000 lb or more	17.0	.3	18.4	1.5	9.2	.4	25.3
Private truck	**4.0**	**–**	**5.8**	**–**	**4.2**	**–**	**9.9**
Less than 50 lb	5.0	.3	6.9	–	8.7	–	19.6
50 to 99 lb	11.8	.4	8.0	–	7.2	–	5.3
100 to 499 lb	6.2	.7	4.1	.1	5.1	–	5.2
500 to 749 lb	3.9	.2	4.3	–	5.1	–	5.2
750 to 999 lb	3.8	.1	3.6	–	4.9	–	3.7
1,000 to 9,999 lb	9.4	1.6	2.9	.5	4.3	.7	3.5
10,000 to 49,999 lb	8.5	2.1	5.3	1.9	5.3	1.6	6.0
50,000 to 99,999 lb	8.6	.7	15.7	2.1	10.3	1.6	10.8
100,000 lb or more	20.7	.3	14.3	.9	16.9	.7	28.2
Rail	**9.0**	**–**	**8.4**	**–**	**7.5**	**–**	**6.5**
Less than 50 lb	41.1	–	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	28.0
100 to 499 lb	43.5	–	46.6	–	44.0	–	20.3
500 to 749 lb	S	S	S	S	S	S	21.1
750 to 999 lb	S	S	S	S	S	S	20.6
1,000 to 9,999 lb	S	S	19.7	–	33.5	–	15.4
10,000 to 49,999 lb	39.2	3.9	13.2	.1	23.6	.5	8.6
50,000 to 99,999 lb	S	S	10.9	.1	13.9	.2	6.8
100,000 lb or more	6.8	4.4	8.6	.2	7.8	.6	7.0
Water	**21.4**	**–**	**18.6**	**–**	**24.1**	**–**	**18.9**
Less than 50 lb	S	S	46.0	–	S	S	23.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	22.6
500 to 749 lb	S	S	S	S	S	S	36.4
750 to 999 lb	S	S	S	S	S	S	23.6
1,000 to 9,999 lb	39.0	1.9	49.8	.1	S	S	24.8
10,000 to 49,999 lb	47.5	3.5	44.2	.8	S	S	22.5
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	23.3	5.8	18.6	.8	24.3	.9	21.9
Shallow draft	**16.2**	**–**	**21.2**	**–**	**25.6**	**–**	**22.6**
Less than 50 lb	S	S	S	S	S	S	22.3
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	S	S	S	S	S	S	21.4
500 to 749 lb	S	S	S	S	S	S	21.7
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	48.5	1.3	S	S	S	S	45.4
10,000 to 49,999 lb	36.9	5.6	49.7	4.6	S	S	22.7
50,000 to 99,999 lb	S	S	S	S	S	S	22.3
100,000 lb or more	18.1	7.2	21.2	4.7	25.8	2.8	23.8

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	**48.9**	**–**	**S**	**S**	**S**	**S**	**21.8**
Less than 50 lb	S	S	S	S	S	S	35.8
50 to 99 lb	S	S	S	S	S	S	22.3
100 to 499 lb	S	S	S	S	S	S	22.6
500 to 749 lb	S	S	S	S	S	S	27.6
750 to 999 lb	S	S	S	S	S	S	23.6
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	24.0
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	22.4
Air (includes truck and air)	**10.7**	**–**	**24.7**	**–**	**30.1**	**–**	**4.1**
Less than 50 lb	11.5	4.1	9.6	2.0	9.8	2.1	4.4
50 to 99 lb	12.4	1.8	9.3	1.0	8.0	1.1	5.4
100 to 499 lb	10.8	2.3	10.8	3.7	9.7	3.8	5.1
500 to 749 lb	22.6	1.0	38.7	1.6	45.1	1.7	7.2
750 to 999 lb	28.8	.4	25.6	.6	29.1	.9	9.4
1,000 to 9,999 lb	38.2	5.1	16.2	3.9	18.1	4.2	9.2
10,000 to 49,999 lb	S	S	26.3	4.1	28.4	3.7	11.9
50,000 to 99,999 lb	S	S	S	S	S	S	20.9
100,000 lb or more	S	S	S	S	S	S	21.2
Pipeline	**S**	**S**	**43.4**	**–**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	42.3	.3	S	S	S
10,000 to 49,999 lb	46.9	3.1	48.4	3.5	S	S	S
50,000 to 99,999 lb	42.9	2.4	S	S	S	S	S
100,000 lb or more	S	S	43.5	4.7	S	S	S
Multiple modes	**3.1**	**–**	**13.2**	**–**	**12.5**	**–**	**2.8**
Less than 50 lb	3.7	1.5	4.5	1.1	3.7	1.2	2.9
50 to 99 lb	5.7	.6	7.7	.4	4.3	.4	3.4
100 to 499 lb	7.6	1.1	11.8	.8	8.9	.7	5.1
500 to 749 lb	17.2	.3	20.5	.1	16.9	.1	15.4
750 to 999 lb	15.8	.1	13.4	.1	18.4	.1	9.1
1,000 to 9,999 lb	S	S	47.1	.4	47.1	.5	22.2
10,000 to 49,999 lb	11.2	.3	10.4	1.9	12.8	2.8	7.8
50,000 to 99,999 lb	42.5	.1	40.9	2.4	40.6	1.0	S
100,000 lb or more	26.2	.4	18.0	5.2	17.2	5.5	17.7
Parcel, U.S. Postal Service or courier	**2.9**	**–**	**6.7**	**–**	**4.0**	**–**	**2.8**
Less than 50 lb	3.7	1.4	4.5	1.4	3.7	1.5	2.9
50 to 99 lb	5.7	.6	7.7	.5	4.3	.6	3.4
100 to 499 lb	7.6	1.2	11.9	1.3	8.9	1.6	5.1
500 to 749 lb	16.9	.3	20.6	.5	17.2	.5	15.9
750 to 999 lb	16.0	.1	13.5	.3	18.6	.3	9.3
1,000 to 9,999 lb	49.2	.2	48.9	.3	S	S	23.7
10,000 to 49,999 lb	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–
Truck and rail	**18.4**	**–**	**23.9**	**–**	**25.5**	**–**	**8.4**
Less than 50 lb	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	22.4
100 to 499 lb	36.1	–	S	S	S	S	48.5
500 to 749 lb	S	S	S	S	S	S	20.2
750 to 999 lb	S	S	S	S	S	S	22.1
1,000 to 9,999 lb	S	S	S	S	S	S	23.1
10,000 to 49,999 lb	11.8	5.6	11.5	7.9	13.4	6.4	7.0
50,000 to 99,999 lb	33.5	.2	40.0	1.8	41.5	1.8	21.9
100,000 lb or more	39.9	3.1	37.5	8.5	S	S	21.5
Truck and water	**38.4**	**–**	**38.3**	**–**	**35.1**	**–**	**15.6**
Less than 50 lb	S	S	S	S	S	S	21.2
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	16.4
500 to 749 lb	S	S	S	S	S	S	21.8
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	46.1	2.9	S	S	49.0	6.6	21.8
10,000 to 49,999 lb	32.2	9.9	47.5	12.0	30.4	10.3	S
50,000 to 99,999 lb	S	S	S	S	S	S	22.0
100,000 lb or more	47.2	13.1	39.5	15.2	36.6	15.0	21.5

See footnote at end of table.

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

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
Multiple modes—Con.							
Rail and water	**21.8**	**–**	**22.4**	**–**	**21.9**	**–**	**16.8**
Less than 50 lb	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	21.8
10,000 to 49,999 lb	S	S	S	S	S	S	22.4
50,000 to 99,999 lb	–	–	–	–	–	–	–
100,000 lb or more	21.6	.1	22.4	–	21.9	–	19.9
Other multiple modes	**35.2**	**–**	**32.0**	**–**	**47.6**	**–**	**S**
Less than 50 lb	S	S	S	S	S	S	22.4
50 to 99 lb	S	S	S	S	S	S	21.9
100 to 499 lb	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–
750 to 999 lb	S	S	S	S	S	S	22.4
1,000 to 9,999 lb	S	S	S	S	S	S	26.0
10,000 to 49,999 lb	S	S	S	S	S	S	25.3
50,000 to 99,999 lb	45.9	10.3	45.9	7.7	46.2	8.4	20.5
100,000 lb or more	42.2	9.5	47.4	9.1	48.6	13.3	20.5
Other and unknown modes	**5.5**	**–**	**11.5**	**–**	**13.8**	**–**	**15.3**
Less than 50 lb	8.7	1.3	9.0	.1	10.6	–	20.4
50 to 99 lb	14.8	.5	10.0	–	20.2	–	21.7
100 to 499 lb	8.0	.7	27.2	1.0	7.2	–	22.9
500 to 749 lb	8.1	.2	12.6	.1	18.9	–	31.3
750 to 999 lb	18.3	.3	18.7	.2	18.1	–	36.0
1,000 to 9,999 lb	9.1	2.3	9.3	1.2	17.4	1.5	9.7
10,000 to 49,999 lb	12.6	2.2	10.9	3.7	13.5	4.6	16.4
50,000 to 99,999 lb	17.1	.4	35.0	1.9	35.4	2.1	29.4
100,000 lb or more	22.8	.8	20.9	5.0	29.6	6.3	35.7

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**	**3.0**
01	Live animals and live fish	42.3	–	S	S	34.8	–	17.5
02	Cereal grains	38.9	–	29.2	.2	S	S	23.8
03	Other agricultural products	6.5	–	9.9	.1	19.0	.3	24.9
04	Animal feed and products of animal origin, n.e.c.	9.6	–	11.1	.2	11.0	.1	13.8
05	Meat, fish, seafood, and their preparations	7.4	.2	8.5	–	11.6	.2	24.6
06	Milled grain products and preparations, and bakery products	8.5	.1	8.2	–	11.5	–	42.1
07	Other prepared foodstuffs and fats and oils	4.6	.2	9.6	.4	11.9	.6	20.6
08	Alcoholic beverages	5.5	–	7.5	–	17.0	–	4.2
09	Tobacco products	24.0	.7	36.4	–	30.3	–	17.5
10	Monumental or building stone	22.8	–	32.8	–	20.9	–	37.4
11	Natural sands	18.7	–	18.4	.7	18.8	.2	14.8
12	Gravel and crushed stone	8.9	–	10.8	1.8	13.2	.6	14.1
13	Nonmetallic minerals n.e.c.	12.6	–	11.1	.3	14.5	.6	14.0
14	Metallic ores and concentrates	23.2	–	33.7	–	29.3	–	16.4
15	Coal	9.8	–	10.7	1.2	10.1	1.9	S
17	Gasoline and aviation turbine fuel	9.5	.2	13.2	.7	21.9	.4	9.4
18	Fuel oils	12.5	.1	13.0	.4	17.1	.1	12.3
19	Coal and petroleum products, n.e.c.	12.4	–	16.7	.2	30.0	.4	16.0
20	Basic chemicals	7.3	.1	10.3	.2	13.7	.4	23.1
21	Pharmaceutical products	12.1	.5	27.5	–	42.9	.4	10.1
22	Fertilizers	11.2	–	18.6	.8	12.8	.6	11.5
23	Chemical products and preparations, n.e.c.	5.2	.1	7.8	–	13.2	.3	15.3
24	Plastics and rubber	5.0	.3	6.7	–	10.0	.3	6.2
25	Logs and other wood in the rough	14.9	–	23.0	1.3	30.7	.5	7.9
26	Wood products	5.7	.1	15.3	.7	10.9	.5	10.4
27	Pulp, newsprint, paper, and paperboard	6.9	.1	6.5	–	8.3	.4	15.0
28	Paper or paperboard articles	6.9	.1	6.6	–	11.0	.2	10.9
29	Printed products	5.9	.2	11.9	–	11.8	–	9.4
30	Textiles, leather, and articles of textiles or leather	14.9	1.4	4.8	–	9.1	.4	3.0
31	Nonmetallic mineral products	6.9	.1	7.7	.6	7.4	.4	9.8
32	Base metal in primary or semifinished forms and in finished basic shapes	6.5	.1	14.9	.2	12.1	.3	10.4
33	Articles of base metal	5.5	.2	5.8	–	9.4	.2	8.7
34	Machinery	7.4	.4	5.6	–	8.6	–	6.6
35	Electronic and other electrical equipment and components and office equipment	11.1	1.0	11.6	–	14.4	.2	6.9
36	Motorized and other vehicles (including parts)	7.4	.5	7.5	–	8.0	.1	9.5
37	Transportation equipment, n.e.c.	17.8	.3	19.3	–	18.4	–	8.7
38	Precision instruments and apparatus	7.4	.2	22.5	–	23.9	–	9.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	.1	6.8	–	6.9	–	5.3
40	Miscellaneous manufactured products	12.2	.5	12.4	.2	12.6	.2	6.1
41	Waste and scrap	13.1	–	12.6	.2	15.9	.3	13.7
43	Mixed freight	22.0	1.1	24.7	.3	17.1	.2	12.5
--	Commodity unknown	15.3	–	17.5	–	23.1	–	24.5

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**	**3.0**
010	Live animals and live fish	42.3	–	S	S	34.8	–	17.5
021	Wheat	16.7	–	16.9	–	24.9	–	20.6
022	Corn, except sweet	20.2	–	20.3	–	24.3	–	22.9
029	Other cereal grains	S	S	S	S	S	S	45.2
031	Fresh or chilled potatoes (Irish potatoes), except sweet	26.6	–	29.7	–	S	S	26.5
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	18.3	–	27.2	–	36.2	.2	30.8
033	Fresh, chilled, or dried edible fruit and nuts	25.0	–	31.7	–	28.8	–	18.2
034	Soya beans	28.2	–	29.0	–	S	S	13.0
035	Oil seeds and nuts, except olives and soya beans	22.6	–	18.3	–	20.6	–	16.4
036	Bulbs, live plants, and seeds for sowing, n.e.c.	22.1	–	21.3	–	34.6	–	30.3
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	16.0	–	12.9	–	13.9	–	S
041	Cereal straw or husks, forage products, residues and waste from the food industries used in animal feeding, and eggs and other products of animal origin, n.e.c.	15.1	–	16.7	–	20.4	–	19.2
042	Animal feed preparations	13.9	–	14.7	.2	18.3	.1	19.1
051	Meat including poultry, except preparations	6.7	.1	6.7	–	8.0	.1	23.2
052	Fish, except live, and seafood, except preparations	21.9	–	17.6	–	16.3	–	32.4
053	Preparations, extracts, and juices of meat, fish, or seafood	S	S	S	S	S	S	16.6
061	Wheat flour, groats, and meal	20.0	–	22.4	–	26.7	–	8.0
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	33.6	–	43.3	–	36.7	–	46.3
063	Food preparations of cereals, flour, starch, or milk	14.2	–	16.4	–	22.6	–	29.7
064	Bakery products	10.5	–	10.4	–	17.7	–	S
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	15.7	–	20.6	–	25.8	–	20.9
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	10.7	.1	17.2	–	17.0	.2	16.6
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	23.1	–	26.1	–	25.8	–	S
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	23.6	–	24.0	–	26.2	–	40.3
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	29.4	.1	26.8	.1	35.2	.4	12.1
076	Confectionery, cocoa, and cocoa preparations	18.3	–	21.2	–	21.2	–	16.0
077	Edible preparations, n.e.c. and vinegar	17.3	.1	18.7	–	21.3	–	14.7
078	Nonalcoholic beverages, n.e.c. and ice	10.8	.1	17.2	.4	24.2	.3	6.7
081	Malt Beer	6.4	–	8.2	–	18.0	–	5.3
082	Wine and other fermented beverages	10.8	–	10.1	–	13.7	–	7.4
083	Spirituous beverages and ethyl alcohol	11.4	–	16.7	–	S	S	6.2
090	Tobacco products	24.0	.7	36.4	–	30.3	–	17.5
100	Monumental or building stone, except dolomite	22.8	–	32.8	–	20.9	–	37.4
110	Natural sands, except metal-bearing	18.7	–	18.4	.7	18.8	.2	14.8
120	Gravel and crushed stone, except dolomite and slate	8.9	–	10.8	1.8	13.2	.6	14.1
131	Salt	S	S	S	S	S	S	17.0
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	21.0	–	23.7	.2	39.6	.2	S
133	Dolomite	S	S	45.8	.1	S	S	S
139	Other nonmetallic minerals	13.0	–	11.4	.2	15.1	.5	11.0
141	Iron ores and concentrates	S	S	S	S	S	S	S
149	Other metallic ores and concentrates	21.7	–	19.1	–	30.5	–	19.4
151	Nonagglomerated bituminous coal	10.0	–	10.9	1.3	10.3	1.9	S
159	Other coal	S	S	S	S	S	S	S
171	Gasoline	9.7	.2	13.3	.7	22.1	.4	9.6
172	Aviation turbine fuel (types A and B)	36.9	–	37.5	–	S	S	25.7
180	Fuel oils	12.5	.1	13.0	.4	17.1	.1	12.3
191	Lubricating oils and greases	20.0	–	23.5	–	28.5	–	27.3
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	35.2	–	31.4	–	26.7	–	19.8
193	Gaseous hydrocarbons	25.0	–	22.8	–	25.1	–	S
199	Other products of petroleum refining, and coal products	18.9	–	20.0	.2	35.7	.4	15.0
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	21.7	–	25.3	–	31.3	–	14.8
202	Inorganic chemicals, n.e.c.	13.4	–	13.3	.1	16.6	.2	22.9
203	Cyclic hydrocarbons	38.6	–	45.6	–	S	S	13.9
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	20.9	–	26.3	–	24.5	–	19.0
205	Organic chemicals, n.e.c.	11.6	.1	17.2	–	26.3	.3	15.1
210	Pharmaceutical products	12.1	.5	27.5	–	42.9	.4	10.1
220	Fertilizers and fertilizer materials	11.2	–	18.6	.8	12.8	.6	11.5
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	9.2	–	10.3	–	13.0	–	44.1
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	18.0	.1	27.6	–	38.8	–	11.5
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	13.9	–	12.5	–	17.1	.2	11.8
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	26.6	–	34.0	–	24.3	–	31.1
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	15.7	–	39.5	–	36.0	–	15.8
239	Other chemical products and preparations	12.0	–	14.7	–	16.4	.1	10.3
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	15.5	.1	17.6	–	20.9	.2	6.4
242	Manmade fibers and plastics basic shapes and articles	4.7	.1	7.3	–	9.9	.2	6.1

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
243	Rubber articles	10.5	.1	14.5	–	14.0	–	16.3
250	Logs and other wood in the rough	14.9	–	23.0	1.3	30.7	.5	7.9
261	Wood chips or particles	24.9	–	32.0	.6	29.4	.2	16.6
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	10.9	.1	12.1	.2	15.6	.3	7.5
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	8.0	–	8.7	–	7.8	.1	16.3
264	Builders' joinery and carpentry of wood, except shingles and shakes	12.2	–	13.4	–	15.3	–	9.7
269	Other wood products	12.8	–	25.7	–	26.5	–	14.6
271	Pulp of fibrous cellulosic materials	21.0	–	20.2	–	26.3	.1	S
272	Newsprint in large rolls or sheets	48.9	–	45.4	–	S	S	S
273	Uncoated paper and paperboard in large rolls or sheets	11.6	.1	12.8	.1	14.1	.4	7.6
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	9.2	–	10.8	–	12.5	.2	14.3
280	Paper or paperboard articles	6.9	.1	6.6	–	11.0	.2	10.9
291	Printed books, brochures, leaflets, and similar printed products	9.8	.1	11.5	–	15.0	–	9.5
292	Newspapers, journals, and periodicals	11.5	.1	17.2	–	17.1	–	18.8
293	Advertising material, commercial or trade catalogues, and similar printed products	13.2	–	23.4	–	27.6	–	12.1
299	Other printed products	16.4	–	20.5	–	18.7	–	10.6
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3.6	.2	4.3	–	7.0	.1	3.5
302	Textile clothing and accessories, and headgear, except safety	44.2	1.5	17.8	–	11.1	–	4.4
303	Textiles and textile articles, n.e.c.	10.6	.4	10.3	–	18.4	.3	3.7
304	Footwear	S	S	42.4	–	45.7	–	7.9
305	Leather and articles, luggage of related materials, and dressed furskins and articles	30.7	–	38.9	–	37.7	–	10.5
311	Hydraulic cements	26.4	–	28.5	.3	19.8	.1	33.0
312	Ceramic products	10.4	–	13.7	–	12.9	–	10.9
313	Glass and glass products	15.3	–	9.7	–	11.2	–	14.1
319	Other nonmetallic mineral products	6.4	–	8.3	.5	8.9	.3	14.0
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	21.9	–	S	S	39.5	.1	21.0
322	Flat-rolled products of iron or steel	14.2	–	19.5	.1	19.2	.1	9.5
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	11.1	–	16.9	.1	17.8	.2	19.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	9.9	.1	11.5	–	11.1	–	10.3
331	Pipes, tubes, and fittings	8.7	–	10.4	–	21.7	–	13.5
332	Structures and parts, except prefabricated buildings	10.1	–	13.4	–	20.8	.1	12.1
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	12.4	.1	9.8	–	12.0	–	9.5
339	Other articles of metal	6.2	–	10.7	–	15.5	–	16.1
341	Internal-combustion piston engines	17.7	.1	16.1	–	24.5	–	31.0
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	30.7	.2	29.9	–	42.9	–	20.5
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	16.9	.1	15.9	–	19.1	–	15.5
344	Air-conditioning, refrigerating, or freezing equipment	11.3	–	12.7	–	25.0	–	19.8
345	Materials-handling, excavating, boring, and related machinery and equipment	9.6	–	10.8	–	18.4	–	13.7
349	Other machinery	5.0	.1	8.3	–	10.0	–	7.0
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	22.4	–	22.3	–	25.0	–	14.1
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	23.0	–	S	S	S	S	31.8
353	Line telephone or telegraph apparatus	21.2	.1	18.2	–	20.3	–	9.0
354	Electronic entertainment products, except parts	18.0	–	21.9	–	21.5	–	12.1
355	Computer and office equipment	22.3	.6	17.2	–	17.8	–	8.7
356	Prepared unrecorded or prerecorded media	31.4	.1	21.6	–	24.3	–	7.8
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	30.4	.2	S	S	S	S	11.7
358	Electronic components and parts	14.6	.2	17.2	–	20.1	–	7.5
359	Other electronic and electrical equipment	8.1	.3	12.6	–	22.0	.2	9.2
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	16.7	.4	18.4	–	23.2	–	18.4
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	23.3	.2	22.4	–	24.0	–	12.7
363	Other vehicles	12.0	.1	16.7	–	23.7	–	10.7
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	8.7	.2	8.8	–	10.6	–	9.7
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	16.1	–	25.2	–	25.1	–	6.4
372	Aircraft and spacecraft	25.9	.3	39.2	–	29.6	–	7.7
373	Ships, boats, and floating structures	16.0	–	15.7	–	14.1	–	20.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	21.1	.1	38.4	–	45.3	–	10.8
382	Photographic and photocopying machines	21.4	–	28.5	–	34.5	–	14.2
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	27.7	–	S	S	S	S	16.8
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	19.8	.2	40.8	–	40.2	–	7.0

See footnotes at end of table.

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities—Con.							
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	10.1	–	18.7	–	19.6	–	14.9
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.6	.1	6.8	–	6.9	–	5.3
401	Arms and ammunition	24.6	–	17.8	–	22.7	–	9.3
402	Toys, games, and sporting equipment	S	S	S	S	39.2	–	6.7
409	Miscellaneous manufactured products	5.2	.2	11.5	.1	12.5	.2	7.1
411	Metallic waste and scrap	15.8	–	10.7	–	17.0	.2	29.1
412	Nonmetallic waste and scrap, except from food processing	24.1	–	22.4	.1	24.1	.2	11.5
439	Mixed freight	22.0	1.1	24.7	.3	17.1	.2	12.5
—	Commodity unknown	15.3	–	17.5	–	23.1	–	24.5

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	**2.4**	**–**	**3.2**	**–**	**3.4**	**–**	**3.0**
Single modes	**2.7**	**.4**	**3.4**	**.3**	**3.8**	**.8**	**4.1**
Truck	2.8	.5	3.8	1.4	2.3	1.4	4.4
For-hire truck	3.5	1.0	7.2	1.7	3.3	1.1	3.3
Private truck	4.0	1.0	5.8	2.0	4.2	.7	9.9
Rail	9.0	.3	8.4	1.2	7.5	1.7	6.5
Water	21.4	–	18.6	.3	24.1	.7	18.9
Shallow draft	16.2	–	21.2	.3	25.6	.7	22.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	48.9	–	S	S	S	S	21.8
Air (includes truck and air)	10.7	.2	24.7	–	30.1	–	4.1
Pipeline	S	S	43.4	.4	S	S	S
Multiple modes	**3.1**	**.3**	**13.2**	**.2**	**12.5**	**.7**	**2.8**
Parcel, U.S. Postal Service or courier	2.9	.3	6.7	–	4.0	–	2.8
Truck and rail	18.4	–	23.9	–	25.5	.4	8.4
Truck and water	38.4	–	38.3	–	35.1	.3	15.6
Rail and water	21.8	–	22.4	.1	21.9	.4	16.8
Other multiple modes	35.2	–	32.0	–	47.6	.3	S
Other and unknown modes	**5.5**	**.2**	**11.5**	**.2**	**13.8**	**.4**	**15.3**
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	**42.3**	**–**	**S**	**S**	**34.8**	**–**	**17.5**
Single modes	**42.4**	**.3**	**S**	**S**	**34.9**	**.3**	**19.0**
Truck	42.4	1.1	S	S	34.9	.7	S
For-hire truck	23.0	10.4	21.4	12.8	29.4	9.4	15.7
Private truck	S	S	S	S	S	S	18.9
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.6
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.6**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.6
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.4**
SCTG 02, CEREAL GRAINS							
Total	**38.9**	**–**	**29.2**	**–**	**S**	**S**	**23.8**
Single modes	**41.2**	**3.2**	**29.3**	**3.4**	**S**	**S**	**20.3**
Truck	17.0	9.1	17.2	8.0	19.9	13.5	11.0
For-hire truck	17.5	7.4	18.1	7.3	20.4	9.6	10.1
Private truck	24.1	6.3	25.3	5.9	31.3	7.0	14.7
Rail	S	S	38.8	4.9	S	S	16.8
Water	S	S	S	S	S	S	22.1
Shallow draft	S	S	S	S	S	S	21.9
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**	**21.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	27.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**49.0**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 03, OTHER AGRICULTURAL PRODUCTS							
Total	**6.5**	**–**	**9.9**	**–**	**19.0**	**–**	**24.9**
Single modes	**6.3**	**1.2**	**9.6**	**2.1**	**16.7**	**4.1**	**47.3**
Truck	6.8	1.6	10.3	3.0	18.1	4.8	48.5
For-hire truck	9.0	3.5	17.3	4.5	21.1	5.0	5.2
Private truck	10.2	3.5	15.3	4.9	22.2	4.1	47.2
Rail	27.8	1.2	29.2	1.9	27.3	3.7	14.8
Water	S	S	S	S	S	S	21.9
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.7	–	25.3	–	26.3	–	7.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**29.0**	**.4**	**40.5**	**.3**	**45.0**	**1.7**	**8.2**
Parcel, U.S. Postal Service or courier	32.8	.4	49.1	.1	S	S	8.8
Truck and rail	S	S	S	S	S	S	20.1
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**35.2**	**1.0**	**S**	**S**	**S**	**S**	**S**
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	**9.6**	**–**	**11.1**	**–**	**11.0**	**–**	**13.8**
Single modes	**9.9**	**1.1**	**11.4**	**1.1**	**11.2**	**1.1**	**13.1**
Truck	10.1	1.4	11.6	1.5	10.9	3.7	13.8
For-hire truck	19.8	3.7	13.6	3.0	17.8	4.8	10.8
Private truck	11.0	3.5	14.0	3.0	10.7	4.7	16.6
Rail	19.1	.6	24.2	.8	25.4	3.0	18.2
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**24.0**
Parcel, U.S. Postal Service or courier	47.7	–	34.8	–	42.6	–	24.2
Truck and rail	S	S	S	S	S	S	23.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**43.9**	**1.1**	**S**	**S**	**S**	**S**	**S**
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	**7.4**	**–**	**8.5**	**–**	**11.6**	**–**	**24.6**
Single modes	**7.7**	**.8**	**8.6**	**.8**	**11.8**	**.6**	**23.1**
Truck	7.6	.9	8.7	.8	11.9	.7	19.8
For-hire truck	10.3	2.5	12.2	2.6	16.0	2.9	5.0
Private truck	8.9	2.9	9.7	3.2	9.4	2.7	17.6
Rail	S	S	S	S	S	S	22.1
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)	S	S	S	S	S	S	19.8
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	20.0
Truck and rail	S	S	S	S	S	S	23.0
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.5**	**.8**	**34.0**	**.8**	**30.2**	**.6**	**25.5**

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 06, MILLED GRAIN PRODUCTS AND PREPARATIONS, AND BAKERY PRODUCTS							
Total	**8.5**	**–**	**8.2**	**–**	**11.5**	**–**	**42.1**
Single modes	**8.5**	**.2**	**8.2**	**.1**	**11.2**	**.3**	**43.1**
Truck	8.5	.2	8.2	.2	11.3	.5	41.7
For-hire truck	16.2	4.6	14.6	4.2	16.7	4.6	14.8
Private truck	11.2	4.6	10.5	4.1	13.5	4.6	45.1
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	21.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**33.3**	**.2**	**40.4**	**.1**	**S**	**S**	**21.6**
Parcel, U.S. Postal Service or courier	33.3	–	27.9	–	28.6	–	24.2
Truck and rail	45.4	.1	45.4	.1	S	S	19.2
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**47.2**	**.2**	**25.6**
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	**4.6**	**–**	**9.6**	**–**	**11.9**	**–**	**20.6**
Single modes	**4.8**	**1.1**	**10.0**	**1.6**	**13.0**	**4.4**	**8.6**
Truck	4.5	1.2	10.0	1.8	11.0	4.8	8.5
For-hire truck	8.5	2.6	8.7	3.0	10.1	3.9	8.4
Private truck	6.7	2.6	14.4	3.2	18.3	3.7	6.0
Rail	26.7	.5	29.8	.9	44.6	2.5	11.5
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	48.4	–	S	S	S	S	20.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**38.0**	**.9**	**46.7**	**1.4**	**49.9**	**4.3**	**12.0**
Parcel, U.S. Postal Service or courier	35.3	.1	45.7	–	44.0	.1	12.1
Truck and rail	S	S	S	S	S	S	27.1
Truck and water	49.5	.8	49.5	1.4	S	S	22.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**36.0**	**.3**	**37.0**	**.3**	**28.4**	**.3**	**S**
SCTG 08, ALCOHOLIC BEVERAGES							
Total	**5.5**	**–**	**7.5**	**–**	**17.0**	**–**	**4.2**
Single modes	**5.6**	**.6**	**7.7**	**.7**	**17.3**	**1.3**	**4.1**
Truck	5.6	.8	7.6	.9	17.4	1.8	4.1
For-hire truck	17.6	3.1	19.5	4.5	23.7	8.2	S
Private truck	7.5	3.4	10.1	4.9	33.9	8.8	4.3
Rail	S	S	S	S	S	S	19.4
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**	**S**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	42.8
Truck and water	S	S	S	S	S	S	28.0
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**49.4**	**.4**	**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	**24.0**	**–**	**36.4**	**–**	**30.3**	**–**	**17.5**
Single modes	**24.5**	**4.0**	**37.1**	**4.0**	**30.1**	**6.4**	**13.4**
Truck	24.5	4.0	37.1	4.0	30.1	6.4	13.4
For-hire truck	32.1	7.6	24.6	9.2	33.2	7.2	8.8
Private truck	41.4	6.2	S	S	47.1	4.0	7.1
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**36.8**	**3.3**	**41.2**	**2.0**	**S**	**S**	**19.3**
Parcel, U.S. Postal Service or courier	33.1	3.4	33.2	2.0	34.5	5.2	14.6
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**35.5**	**1.4**	**44.7**	**2.8**	**45.4**	**3.0**	**24.9**
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	**22.8**	**–**	**32.8**	**–**	**20.9**	**–**	**37.4**
Single modes	**22.9**	**.5**	**32.9**	**1.5**	**21.6**	**2.3**	**40.2**
Truck	22.9	.5	32.9	1.5	21.6	2.3	40.2
For-hire truck	24.3	7.3	38.4	8.8	30.0	7.1	16.0
Private truck	30.3	7.2	48.3	8.0	24.7	6.7	S
Rail	–	–	–	–	–	–	–
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**22.9**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.9
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**45.3**	**.5**	**48.9**	**1.4**	**S**	**S**	**S**
SCTG 11, NATURAL SANDS							
Total	**18.7**	**–**	**18.4**	**–**	**18.8**	**–**	**14.8**
Single modes	**19.1**	**1.3**	**18.4**	**.2**	**18.8**	**–**	**14.9**
Truck	20.9	3.7	19.0	1.3	21.1	4.7	14.7
For-hire truck	13.8	5.2	24.5	5.8	23.6	5.4	13.7
Private truck	38.9	5.8	23.5	5.8	28.5	4.8	16.8
Rail	36.9	3.5	27.3	1.3	24.5	4.6	25.1
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**	**22.0**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
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 12, GRAVEL AND CRUSHED STONE							
Total	**8.9**	**–**	**10.8**	**–**	**13.2**	**–**	**14.1**
Single modes	**9.0**	**.3**	**10.8**	**.2**	**13.3**	**.2**	**14.1**
Truck	9.7	1.5	11.8	1.9	12.3	5.2	14.5
For-hire truck	18.6	3.7	15.1	3.7	20.3	4.6	17.5
Private truck	15.7	4.0	19.8	4.1	17.5	4.8	20.5
Rail	24.2	1.4	29.3	1.9	38.2	5.2	16.7
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**	**22.3**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.3
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**39.1**	**.3**	**43.4**	**.2**	**S**	**S**	**22.7**
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	**12.6**	**–**	**11.1**	**–**	**14.5**	**–**	**14.0**
Single modes	**12.6**	**2.1**	**11.7**	**2.2**	**12.2**	**4.8**	**14.1**
Truck	17.4	3.9	14.1	5.4	15.7	3.3	16.1
For-hire truck	21.1	3.9	15.5	3.0	17.1	2.9	11.2
Private truck	30.6	2.7	18.1	3.7	17.6	.8	24.3
Rail	8.4	3.3	14.3	4.0	14.5	4.1	15.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.2
Pipeline	35.4	1.6	40.3	3.7	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.5**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.9
Truck and rail	S	S	S	S	S	S	20.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**48.9**	**.6**	**36.5**
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	**23.2**	**–**	**33.7**	**–**	**29.3**	**–**	**16.4**
Single modes	**23.0**	**3.4**	**34.6**	**2.4**	**30.3**	**3.8**	**20.2**
Truck	24.9	6.4	43.2	7.1	26.3	8.9	32.3
For-hire truck	27.6	7.8	29.2	8.5	34.7	8.2	14.1
Private truck	31.0	7.4	S	S	37.3	9.0	46.0
Rail	37.0	5.5	28.4	7.1	38.3	9.3	17.9
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	18.5
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**23.7**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	23.7
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**27.1**

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 15, COAL							
Total	**9.8**	**–**	**10.7**	**–**	**10.1**	**–**	**S**
Single modes	**11.3**	**2.1**	**12.2**	**2.1**	**11.3**	**1.9**	**S**
Truck	28.3	3.0	30.0	3.6	27.9	.4	33.3
For-hire truck	30.8	2.5	33.2	3.1	30.2	.3	27.5
Private truck	47.1	1.2	S	S	S	S	34.1
Rail	13.6	4.2	15.2	4.5	13.1	3.7	3.5
Water	22.7	2.5	23.7	2.7	28.7	2.8	19.6
Shallow draft	22.7	2.5	23.7	2.7	28.7	2.8	19.6
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.9**	**1.7**	**20.7**	**1.6**	**18.3**	**1.9**	**23.6**
Parcel, U.S. Postal Service or courier	–	–	–	–	–	–	–
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	44.5	.3	28.8
Rail and water	24.9	1.4	25.0	1.5	25.1	2.0	18.2
Other multiple modes	49.1	.2	48.9	.2	48.7	1.0	20.5
Other and unknown modes	**26.0**	**1.4**	**26.0**	**1.5**	**24.6**	**.6**	**S**
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	**9.5**	**–**	**13.2**	**–**	**21.9**	**–**	**9.4**
Single modes	**9.4**	**.4**	**13.1**	**.3**	**21.9**	**.2**	**9.5**
Truck	10.0	2.4	13.9	2.5	22.4	1.2	9.5
For-hire truck	22.0	3.8	28.1	4.2	32.4	4.2	6.6
Private truck	6.8	3.8	6.9	3.9	24.5	3.7	18.5
Rail	–	–	–	–	–	–	–
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**44.9**	**.4**	**44.0**	**.3**	**47.1**	**.2**	**S**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.4
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	44.8	.4	43.9	.2	45.1	.2	20.1
Other and unknown modes	**40.5**	**.1**	**43.4**	**.1**	**43.8**	**.1**	**40.9**
SCTG 18, FUEL OILS							
Total	**12.5**	**–**	**13.0**	**–**	**17.1**	**–**	**12.3**
Single modes	**12.6**	**.1**	**13.1**	**.1**	**17.1**	**–**	**12.3**
Truck	9.9	3.4	10.2	3.5	16.7	2.2	12.3
For-hire truck	18.7	3.6	18.2	3.9	26.4	4.8	7.4
Private truck	9.4	3.8	10.9	3.8	21.7	4.1	18.3
Rail	S	S	S	S	S	S	20.6
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	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	**29.5**	**.1**	**29.1**	**.1**	**39.2**	**–**	**29.6**

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 19, COAL AND PETROLEUM PRODUCTS, N.E.C.							
Total	**12.4**	**–**	**16.7**	**–**	**30.0**	**–**	**16.0**
Single modes	**12.4**	**.3**	**16.8**	**.3**	**30.1**	**.2**	**11.9**
Truck	12.8	1.9	17.9	4.0	19.4	9.3	12.0
For-hire truck	23.4	4.1	28.9	4.8	31.1	6.0	14.0
Private truck	15.4	4.1	24.7	5.3	20.4	6.1	8.2
Rail	29.0	2.0	46.7	4.1	S	S	29.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	**39.9**	**.1**	**48.1**	**–**	**45.4**	**–**	**14.1**
Parcel, U.S. Postal Service or courier	41.9	.1	44.6	–	S	S	14.1
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**34.8**	**.3**	**S**	**S**	**39.6**	**.1**	**37.6**
SCTG 20, BASIC CHEMICALS							
Total	**7.3**	**–**	**10.3**	**–**	**13.7**	**–**	**23.1**
Single modes	**7.5**	**.8**	**10.5**	**.7**	**13.9**	**1.4**	**14.1**
Truck	6.9	2.3	10.9	3.0	12.3	4.7	14.3
For-hire truck	8.3	2.6	14.4	3.3	14.5	4.0	7.4
Private truck	11.2	1.9	16.6	3.8	18.9	2.0	21.7
Rail	17.4	2.2	16.9	2.8	21.7	4.5	8.4
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	35.0	–	S	S	S	S	11.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**22.8**	**.5**	**34.4**	**.4**	**47.7**	**1.2**	**14.3**
Parcel, U.S. Postal Service or courier	17.6	.2	25.5	–	34.7	–	14.9
Truck and rail	46.9	.5	37.9	.4	49.7	1.2	31.4
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**33.7**	**.8**	**25.3**	**.5**	**31.9**	**.5**	**S**
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	**12.1**	**–**	**27.5**	**–**	**42.9**	**–**	**10.1**
Single modes	**14.7**	**3.9**	**27.7**	**1.0**	**43.8**	**2.0**	**15.4**
Truck	17.3	5.0	26.3	1.5	39.8	3.4	18.3
For-hire truck	20.0	4.9	35.1	4.9	43.6	3.8	12.1
Private truck	16.0	2.3	29.5	5.0	27.3	2.4	33.5
Rail	S	S	S	S	S	S	22.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	44.7	4.3	21.6	.2	31.9	1.0	8.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**15.7**	**3.7**	**14.2**	**1.2**	**18.2**	**2.2**	**8.6**
Parcel, U.S. Postal Service or courier	15.6	3.7	13.8	1.2	17.0	2.2	8.6
Truck and rail	49.8	–	46.7	–	S	S	21.8
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.5**

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 22, FERTILIZERS							
Total	**11.2**	**–**	**18.6**	**–**	**12.8**	**–**	**11.5**
Single modes	**11.4**	**.7**	**18.7**	**.7**	**12.9**	**.7**	**11.2**
Truck	15.3	3.8	14.2	4.9	16.4	6.1	8.5
For-hire truck	17.6	2.2	18.9	2.1	22.5	3.5	12.1
Private truck	17.5	3.0	19.7	3.9	13.3	3.5	11.4
Rail	13.7	4.9	24.4	6.6	14.5	7.0	13.0
Water	S	S	S	S	S	S	23.9
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	45.6
Air (includes truck and air)	–	–	–	–	–	–	–
Pipeline	S	S	S	S	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**28.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	49.6	–	24.5
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**29.3**	**.3**	**34.7**	**.2**	**41.5**	**.1**	**S**
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	**5.2**	**–**	**7.8**	**–**	**13.2**	**–**	**15.3**
Single modes	**4.9**	**1.4**	**7.9**	**1.5**	**12.7**	**2.8**	**11.3**
Truck	4.7	1.5	7.7	2.6	8.9	5.0	11.6
For-hire truck	6.5	2.4	12.3	4.1	10.1	4.2	4.3
Private truck	8.6	2.3	10.9	3.6	14.6	1.9	17.5
Rail	23.9	.6	32.3	1.4	38.2	3.1	10.2
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	18.9	–	24.7	–	S	S	12.0
Pipeline	46.6	–	46.9	–	S	S	S
Multiple modes	**19.2**	**1.2**	**37.7**	**1.1**	**41.3**	**2.9**	**11.6**
Parcel, U.S. Postal Service or courier	21.7	1.1	16.6	.1	15.6	.1	11.6
Truck and rail	43.7	.8	47.1	1.1	44.3	2.9	18.0
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	23.1
Other and unknown modes	**22.3**	**.6**	**44.9**	**.9**	**35.1**	**.3**	**S**
SCTG 24, PLASTICS AND RUBBER							
Total	**5.0**	**–**	**6.7**	**–**	**10.0**	**–**	**6.2**
Single modes	**5.6**	**1.0**	**6.8**	**.8**	**9.4**	**1.7**	**8.9**
Truck	5.7	1.1	7.0	1.5	9.5	2.9	8.2
For-hire truck	7.5	1.9	10.3	2.5	10.6	2.6	5.1
Private truck	7.5	2.1	7.1	2.4	13.6	2.2	14.9
Rail	19.6	.5	22.3	1.4	23.2	2.6	20.2
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	22.3	.1	S	S	49.0	.2	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	**10.3**	**.7**	**31.3**	**.7**	**30.3**	**1.8**	**4.6**
Parcel, U.S. Postal Service or courier	9.8	.7	7.7	.1	9.3	.3	4.6
Truck and rail	S	S	46.7	.7	36.1	1.9	13.1
Truck and water	S	S	S	S	S	S	30.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.6**	**.7**	**14.2**	**.4**	**23.7**	**.5**	**43.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 25, LOGS AND OTHER WOOD IN THE ROUGH							
Total	**14.9**	**–**	**23.0**	**–**	**30.7**	**–**	**7.9**
Single modes	**15.0**	**.8**	**23.2**	**.5**	**31.4**	**1.3**	**7.4**
Truck	15.0	.9	23.2	.5	32.2	1.9	7.3
For-hire truck	23.8	5.7	44.1	6.6	S	S	7.1
Private truck	18.7	5.9	22.1	6.5	21.1	6.8	9.3
Rail	33.8	.4	S	S	S	S	S
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**S**	**S**	**S**	**S**	**S**	**S**	**21.1**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.8
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	21.8
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**50.0**	**.8**	**S**	**S**	**32.5**	**.2**	**S**
SCTG 26, WOOD PRODUCTS							
Total	**5.7**	**–**	**15.3**	**–**	**10.9**	**–**	**10.4**
Single modes	**6.1**	**.7**	**15.6**	**.5**	**11.6**	**1.4**	**6.4**
Truck	6.2	.9	16.4	1.3	12.9	1.8	5.9
For-hire truck	13.2	2.6	16.2	3.5	14.8	2.4	7.7
Private truck	5.5	2.9	27.5	4.0	19.6	2.4	6.8
Rail	9.0	.4	18.6	1.1	13.0	1.5	11.3
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	17.9
Pipeline	–	–	–	–	S	S	S
Multiple modes	**28.9**	**.5**	**37.5**	**.2**	**31.7**	**1.3**	**8.7**
Parcel, U.S. Postal Service or courier	34.4	.5	32.5	–	33.0	–	9.0
Truck and rail	28.9	–	40.9	.2	33.1	1.3	31.2
Truck and water	S	S	S	S	S	S	21.9
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**28.2**	**.6**	**16.7**	**.3**	**19.9**	**.3**	**18.4**
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	**6.9**	**–**	**6.5**	**–**	**8.3**	**–**	**15.0**
Single modes	**6.9**	**.3**	**6.5**	**.3**	**8.2**	**.7**	**10.4**
Truck	7.3	1.7	6.8	2.1	9.0	2.4	8.9
For-hire truck	8.6	2.6	8.4	2.6	10.1	2.8	7.1
Private truck	10.6	1.9	12.8	1.5	21.9	.9	7.9
Rail	9.9	1.8	9.4	2.2	10.7	2.5	3.5
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	49.2	–	S	S	19.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**21.5**	**.3**	**30.8**	**.2**	**38.9**	**.6**	**16.9**
Parcel, U.S. Postal Service or courier	23.1	.2	21.2	–	36.1	–	18.0
Truck and rail	34.0	.2	33.7	.2	39.9	.6	17.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**18.8**	**.2**	**21.8**	**.2**	**39.8**	**.3**	**31.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 28, PAPER OR PAPERBOARD ARTICLES							
Total	**6.9**	**–**	**6.6**	**–**	**11.0**	**–**	**10.9**
Single modes	**6.9**	**.9**	**6.7**	**.5**	**11.1**	**.6**	**15.6**
Truck	7.0	1.1	6.2	1.5	10.3	3.3	16.8
For-hire truck	9.1	2.6	7.0	2.8	10.5	3.2	7.5
Private truck	8.5	2.2	11.9	2.5	16.1	1.5	27.7
Rail	42.0	.5	40.5	1.5	43.4	3.4	19.9
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	13.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.6**	**.6**	**17.8**	**.1**	**25.7**	**.4**	**9.5**
Parcel, U.S. Postal Service or courier	19.3	.6	19.5	–	24.1	.1	9.5
Truck and rail	30.7	.2	29.4	.1	30.0	.4	20.1
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**22.5**	**.5**	**19.8**	**.4**	**27.2**	**.5**	**45.0**
SCTG 29, PRINTED PRODUCTS							
Total	**5.9**	**–**	**11.9**	**–**	**11.8**	**–**	**9.4**
Single modes	**5.5**	**2.6**	**12.2**	**1.8**	**13.4**	**2.0**	**15.2**
Truck	5.6	2.7	12.2	1.8	13.8	2.2	11.3
For-hire truck	8.1	2.4	23.4	3.6	10.4	3.2	18.4
Private truck	7.8	2.4	12.7	4.4	46.0	3.5	11.9
Rail	S	S	S	S	S	S	24.6
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)	29.4	.5	25.5	.1	29.4	.8	13.7
Pipeline	–	–	–	–	S	S	S
Multiple modes	**20.7**	**2.7**	**12.7**	**.5**	**22.7**	**1.9**	**7.8**
Parcel, U.S. Postal Service or courier	20.8	2.7	12.4	.5	23.2	1.9	7.8
Truck and rail	S	S	S	S	48.2	.2	21.7
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**16.1**	**1.0**	**24.6**	**1.6**	**33.5**	**.6**	**35.4**
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	**14.9**	**–**	**4.8**	**–**	**9.1**	**–**	**3.0**
Single modes	**16.4**	**.8**	**4.6**	**.4**	**7.8**	**1.1**	**4.0**
Truck	16.4	.8	4.7	.7	7.9	1.8	3.0
For-hire truck	15.4	1.8	7.8	2.0	9.2	2.0	2.3
Private truck	19.8	1.5	5.2	2.0	15.1	2.1	8.5
Rail	S	S	S	S	S	S	26.2
Water	S	S	S	S	S	S	22.4
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	11.8	–	13.5	–	12.1	–	8.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	**6.2**	**.7**	**23.9**	**.3**	**48.6**	**1.0**	**2.2**
Parcel, U.S. Postal Service or courier	5.3	.7	5.3	–	6.1	.3	2.2
Truck and rail	S	S	S	S	S	S	17.9
Truck and water	S	S	S	S	S	S	24.1
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**14.2**	**.3**	**22.3**	**.4**	**20.2**	**.4**	**38.3**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 31, NONMETALLIC MINERAL PRODUCTS							
Total	**6.9**	**–**	**7.7**	**–**	**7.4**	**–**	**9.8**
Single modes	**7.0**	**.4**	**7.9**	**.6**	**8.0**	**1.8**	**6.6**
Truck	6.0	1.0	8.0	.6	6.5	2.1	6.7
For-hire truck	8.5	2.1	8.1	2.6	7.7	2.5	8.0
Private truck	7.5	2.3	10.6	2.8	12.7	2.8	7.7
Rail	13.5	.2	14.4	.3	25.2	2.0	11.9
Water	47.1	–	47.9	–	S	S	22.1
Shallow draft	47.1	–	47.9	–	S	S	22.1
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	S	S	S	S	14.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**16.7**	**.5**	**37.8**	**.3**	**28.5**	**.6**	**4.6**
Parcel, U.S. Postal Service or courier	17.7	.5	12.4	–	14.4	–	4.5
Truck and rail	31.4	–	41.5	.3	33.4	.6	41.3
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**11.4**	**.3**	**19.2**	**.3**	**32.9**	**1.4**	**33.6**
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	**6.5**	**–**	**14.9**	**–**	**12.1**	**–**	**10.4**
Single modes	**6.6**	**.5**	**15.5**	**1.6**	**12.7**	**3.3**	**6.8**
Truck	6.1	1.0	13.2	2.4	11.1	4.1	7.0
For-hire truck	6.5	2.1	12.9	2.8	11.9	4.0	5.3
Private truck	9.7	2.2	15.8	2.6	15.3	2.2	8.4
Rail	23.6	.8	38.9	1.9	29.4	3.5	17.7
Water	S	S	S	S	S	S	21.7
Shallow draft	S	S	S	S	S	S	21.7
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	S	S	23.0	–	28.0	–	8.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	**21.1**	**.4**	**20.1**	**–**	**23.4**	**.1**	**8.9**
Parcel, U.S. Postal Service or courier	22.5	.4	16.2	–	20.8	–	8.9
Truck and rail	41.2	–	40.4	–	37.1	.1	19.6
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**11.6**	**.3**	**28.4**	**1.6**	**37.2**	**3.2**	**38.9**
SCTG 33, ARTICLES OF BASE METAL							
Total	**5.5**	**–**	**5.8**	**–**	**9.4**	**–**	**8.7**
Single modes	**4.9**	**1.4**	**5.9**	**1.1**	**8.4**	**3.7**	**13.2**
Truck	5.1	1.5	6.1	1.5	7.1	4.4	15.3
For-hire truck	6.3	1.4	8.6	2.4	8.6	3.7	7.4
Private truck	5.9	1.5	8.0	2.7	10.4	2.5	8.6
Rail	S	S	S	S	S	S	20.6
Water	S	S	S	S	S	S	27.9
Shallow draft	S	S	S	S	S	S	21.5
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	38.9	.3	47.2	.1	S	S	8.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	**13.2**	**1.3**	**15.9**	**.3**	**17.6**	**.7**	**7.7**
Parcel, U.S. Postal Service or courier	13.3	1.3	15.8	.3	13.6	.4	7.7
Truck and rail	42.9	–	39.1	–	44.7	.5	20.4
Truck and water	S	S	S	S	S	S	19.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**15.3**	**.5**	**26.8**	**1.1**	**49.6**	**3.8**	**15.8**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 34, MACHINERY							
Total	**7.4**	**–**	**5.6**	**–**	**8.6**	**–**	**6.6**
Single modes	**7.9**	**1.5**	**5.9**	**1.3**	**9.7**	**1.9**	**10.6**
Truck	7.5	1.3	5.8	1.4	9.7	2.0	10.9
For-hire truck	8.3	1.6	8.1	2.7	10.0	3.0	10.4
Private truck	12.8	1.8	9.1	2.4	35.0	2.1	11.5
Rail	S	S	49.6	.3	47.4	.4	24.0
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	21.0	.4	15.6	–	14.6	.1	4.3
Pipeline	–	–	–	–	S	S	S
Multiple modes	**11.3**	**1.3**	**13.2**	**.6**	**18.1**	**1.7**	**7.3**
Parcel, U.S. Postal Service or courier	12.0	1.3	15.9	.5	14.8	.5	7.4
Truck and rail	38.0	.3	38.9	.4	37.2	1.4	15.5
Truck and water	47.5	–	S	S	S	S	19.3
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**15.5**	**.5**	**18.3**	**.9**	**12.2**	**.5**	**15.0**
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	**11.1**	**–**	**11.6**	**–**	**14.4**	**–**	**6.9**
Single modes	**15.7**	**2.8**	**12.2**	**1.5**	**16.5**	**2.4**	**8.4**
Truck	17.4	2.9	12.1	1.5	16.6	2.4	9.8
For-hire truck	26.1	3.1	10.6	2.5	10.8	3.5	5.1
Private truck	16.4	2.5	21.6	2.9	S	S	23.7
Rail	S	S	S	S	S	S	21.3
Water	S	S	S	S	S	S	22.1
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	19.6	1.2	23.5	.2	30.3	.4	3.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	**6.5**	**2.0**	**9.3**	**1.1**	**15.2**	**2.4**	**5.4**
Parcel, U.S. Postal Service or courier	6.6	2.0	9.6	.9	10.3	1.1	5.5
Truck and rail	40.0	–	47.2	.4	S	S	16.6
Truck and water	S	S	S	S	S	S	20.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**12.5**	**1.1**	**26.7**	**1.1**	**33.7**	**.7**	**27.1**
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	**7.4**	**–**	**7.5**	**–**	**8.0**	**–**	**9.5**
Single modes	**7.8**	**1.5**	**7.6**	**1.4**	**9.2**	**2.4**	**18.2**
Truck	7.2	3.2	7.5	2.0	8.2	4.0	20.1
For-hire truck	8.1	3.0	8.8	2.8	7.7	4.1	5.3
Private truck	10.2	2.6	13.5	2.5	23.7	3.3	18.3
Rail	34.0	3.4	28.9	2.3	31.9	4.3	20.4
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	24.4	.2	31.2	.2	39.2	.3	7.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	**17.2**	**1.2**	**18.3**	**.8**	**24.5**	**1.4**	**4.5**
Parcel, U.S. Postal Service or courier	13.2	.6	8.8	.3	10.3	.2	4.5
Truck and rail	S	S	43.9	.7	43.7	1.4	20.7
Truck and water	–	–	–	–	–	–	–
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**13.0**	**.8**	**19.6**	**1.1**	**32.1**	**2.3**	**27.9**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	**17.8**	**–**	**19.3**	**–**	**18.4**	**–**	**8.7**
Single modes	**20.6**	**3.3**	**20.0**	**3.2**	**18.8**	**2.3**	**10.8**
Truck	23.9	4.7	26.5	7.9	14.1	8.6	25.9
For-hire truck	30.7	4.3	26.2	6.1	16.6	7.4	7.3
Private truck	36.9	3.8	30.1	4.7	21.9	4.7	S
Rail	27.6	2.3	29.8	9.5	30.3	9.7	25.6
Water	43.8	.5	43.6	1.2	S	S	24.5
Shallow draft	48.9	.2	48.3	.1	S	S	S
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	21.7
Air (includes truck and air)	38.7	4.1	24.3	.3	25.7	.7	5.1
Pipeline	–	–	–	–	S	S	S
Multiple modes	**22.8**	**3.3**	**26.7**	**2.5**	**47.8**	**2.3**	**6.0**
Parcel, U.S. Postal Service or courier	24.0	3.3	37.1	2.4	34.8	2.0	6.1
Truck and rail	S	S	S	S	S	S	21.5
Truck and water	S	S	S	S	S	S	25.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**31.7**	**1.0**	**35.8**	**1.6**	**39.3**	**.9**	**31.2**
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	**7.4**	**–**	**22.5**	**–**	**23.9**	**–**	**9.6**
Single modes	**9.2**	**3.5**	**26.7**	**3.9**	**28.6**	**5.2**	**14.4**
Truck	10.1	3.0	28.2	3.9	30.9	5.3	11.8
For-hire truck	13.6	3.2	31.4	5.1	31.5	5.7	22.7
Private truck	19.3	2.9	23.1	3.6	22.4	1.2	25.2
Rail	S	S	S	S	S	S	22.4
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)	15.3	1.7	S	S	39.4	2.2	9.4
Pipeline	–	–	–	–	S	S	S
Multiple modes	**15.1**	**3.7**	**19.9**	**3.9**	**21.7**	**5.4**	**7.8**
Parcel, U.S. Postal Service or courier	15.2	3.7	20.1	3.4	21.2	3.9	7.9
Truck and rail	S	S	S	S	S	S	21.4
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**32.7**	**1.1**	**48.8**	**2.0**	**S**	**S**	**S**
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	**4.6**	**–**	**6.8**	**–**	**6.9**	**–**	**5.3**
Single modes	**4.8**	**.8**	**7.3**	**.7**	**7.2**	**1.1**	**5.7**
Truck	4.8	.7	7.3	.7	7.2	1.1	5.8
For-hire truck	6.3	1.7	9.4	1.9	8.2	2.0	2.8
Private truck	6.1	1.5	7.2	1.8	10.0	1.5	14.0
Rail	S	S	S	S	S	S	19.7
Water	–	–	–	–	–	–	–
Shallow draft	–	–	–	–	–	–	–
Great Lakes	–	–	–	–	–	–	–
Deep draft	–	–	–	–	–	–	–
Air (includes truck and air)	37.1	.2	48.2	–	41.1	–	14.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	**16.8**	**.6**	**18.2**	**.4**	**19.5**	**.7**	**7.2**
Parcel, U.S. Postal Service or courier	18.6	.6	21.6	.3	19.4	.5	7.1
Truck and rail	37.0	.1	35.6	.2	39.9	.3	18.7
Truck and water	S	S	S	S	S	S	22.4
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**23.1**	**.5**	**22.6**	**.4**	**48.8**	**.8**	**47.7**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	**12.2**	**–**	**12.4**	**–**	**12.6**	**–**	**6.1**
Single modes	**14.7**	**1.5**	**12.8**	**1.6**	**14.2**	**2.4**	**12.6**
Truck	14.6	1.7	12.6	1.7	14.1	2.6	14.1
For-hire truck	7.1	2.6	11.7	4.5	14.6	4.1	6.1
Private truck	28.6	2.8	20.3	4.3	19.8	3.1	22.5
Rail	S	S	S	S	S	S	18.0
Water	S	S	S	S	S	S	24.7
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	27.7	.3	25.9	–	31.1	.1	5.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	**7.2**	**1.4**	**11.8**	**.4**	**10.2**	**.9**	**4.5**
Parcel, U.S. Postal Service or courier	7.4	1.4	13.1	.3	10.0	.6	4.5
Truck and rail	39.2	.1	41.1	.2	37.0	.7	22.2
Truck and water	S	S	S	S	S	S	21.2
Rail and water	–	–	–	–	–	–	–
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	**22.8**	**.7**	**44.2**	**1.5**	**43.6**	**2.1**	**21.4**
SCTG 41, WASTE AND SCRAP							
Total	**13.1**	**–**	**12.6**	**–**	**15.9**	**–**	**13.7**
Single modes	**13.5**	**1.5**	**12.1**	**.8**	**15.6**	**1.5**	**13.7**
Truck	14.9	2.9	13.4	3.4	17.5	4.0	15.6
For-hire truck	10.9	4.7	14.8	3.6	17.2	4.4	8.6
Private truck	39.3	4.8	17.6	2.7	39.4	1.9	36.3
Rail	19.2	2.3	18.1	3.3	19.9	4.1	14.4
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	**47.2**	**1.5**	**S**	**S**	**S**	**S**	**20.8**
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	21.4
Truck and rail	46.2	1.5	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	23.5
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**S**	**S**	**S**	**S**	**S**	**S**	**18.5**
SCTG 43, MIXED FREIGHT							
Total	**22.0**	**–**	**24.7**	**–**	**17.1**	**–**	**12.5**
Single modes	**22.5**	**1.0**	**24.9**	**.4**	**17.5**	**1.3**	**15.7**
Truck	22.5	1.0	24.9	.5	17.5	1.3	17.6
For-hire truck	14.7	1.5	15.2	2.3	23.8	5.1	23.1
Private truck	23.5	2.2	26.6	2.3	20.3	5.1	15.8
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	20.2
Pipeline	–	–	–	–	S	S	S
Multiple modes	**47.2**	**1.0**	**S**	**S**	**S**	**S**	**24.0**
Parcel, U.S. Postal Service or courier	47.2	1.0	S	S	S	S	24.0
Truck and rail	–	–	–	–	–	–	–
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**48.8**	**.2**	**31.0**	**.2**	**36.7**	**.4**	**S**

See footnotes at end of table.

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
COMMODITY UNKNOWN							
Total	**15.3**	**–**	**17.5**	**–**	**23.1**	**–**	**24.5**
Single modes	**16.5**	**3.7**	**19.7**	**4.9**	**24.4**	**4.5**	**34.1**
Truck	16.7	3.7	20.5	5.4	24.6	5.2	16.7
For-hire truck	24.8	5.6	20.6	5.7	31.9	5.4	10.5
Private truck	20.6	5.3	26.2	5.9	27.6	5.3	31.6
Rail	S	S	S	S	S	S	21.2
Water	S	S	S	S	S	S	22.4
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	–	–	–	–	–	–	–
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	15.8
Pipeline	–	–	–	–	S	S	S
Multiple modes	**23.0**	**3.0**	**43.6**	**.5**	**31.2**	**1.1**	**12.5**
Parcel, U.S. Postal Service or courier	23.8	3.0	33.6	.5	34.6	1.1	12.5
Truck and rail	S	S	S	S	S	S	26.5
Truck and water	–	–	–	–	–	–	–
Rail and water	–	–	–	–	–	–	–
Other multiple modes	–	–	–	–	–	–	–
Other and unknown modes	**41.7**	**1.7**	**S**	**S**	**S**	**S**	**S**

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	**2.4**	**3.2**	**3.4**
Less than 50 miles	2.5	3.7	4.1
50 to 99 miles	10.9	12.0	11.0
100 to 249 miles	4.4	7.1	8.4
250 to 499 miles	4.7	7.8	7.8
500 to 749 miles	2.9	5.6	6.6
750 to 999 miles	2.9	5.5	5.9
1,000 to 1,499 miles	5.4	8.6	8.9
1,500 to 1,999 miles	12.4	10.0	10.5
2,000 miles or more	5.7	4.3	4.5
SCTG 01, Live animals and live fish	**42.3**	**S**	**34.8**
Less than 50 miles	47.7	S	S
50 to 99 miles	48.9	S	S
100 to 249 miles	S	S	S
250 to 499 miles	45.2	S	S
500 to 749 miles	S	S	S
750 to 999 miles	S	S	S
1,000 to 1,499 miles	43.2	41.7	41.4
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	**38.9**	**29.2**	**S**
Less than 50 miles	26.3	28.9	31.1
50 to 99 miles	19.7	20.5	23.3
100 to 249 miles	22.4	23.3	26.3
250 to 499 miles	42.1	45.6	42.0
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 03, Other agricultural products	**6.5**	**9.9**	**19.0**
Less than 50 miles	11.4	16.4	24.9
50 to 99 miles	13.2	14.7	15.4
100 to 249 miles	14.7	15.3	16.5
250 to 499 miles	12.1	30.3	29.8
500 to 749 miles	16.8	23.7	25.0
750 to 999 miles	26.8	S	S
1,000 to 1,499 miles	20.6	38.2	38.1
1,500 to 1,999 miles	20.7	48.7	S
2,000 miles or more	42.7	28.0	28.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	**9.6**	**11.1**	**11.0**
Less than 50 miles	12.0	13.4	13.8
50 to 99 miles	21.7	25.8	25.8
100 to 249 miles	21.2	15.9	17.0
250 to 499 miles	19.4	17.2	17.5
500 to 749 miles	19.1	20.7	21.1
750 to 999 miles	S	40.6	42.0
1,000 to 1,499 miles	41.9	36.5	36.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	38.3	38.9
SCTG 05, Meat, fish, seafood, and their preparations	**7.4**	**8.5**	**11.6**
Less than 50 miles	11.9	12.9	14.5
50 to 99 miles	9.6	8.3	8.7
100 to 249 miles	9.0	9.3	9.4
250 to 499 miles	7.2	8.4	8.3
500 to 749 miles	9.5	10.4	10.4
750 to 999 miles	19.6	13.7	13.6
1,000 to 1,499 miles	39.1	S	S
1,500 to 1,999 miles	24.8	21.1	19.7
2,000 miles or more	19.4	21.7	21.9
SCTG 06, Milled grain products and preparations, and bakery products	**8.5**	**8.2**	**11.5**
Less than 50 miles	12.7	9.7	14.9
50 to 99 miles	11.8	13.5	13.6
100 to 249 miles	11.0	10.1	10.9
250 to 499 miles	14.1	14.2	14.7
500 to 749 miles	17.0	15.0	15.3
750 to 999 miles	14.8	14.1	14.7
1,000 to 1,499 miles	39.4	37.3	36.0
1,500 to 1,999 miles	32.5	29.8	30.2
2,000 miles or more	26.7	28.4	28.8
SCTG 07, Other prepared foodstuffs and fats and oils	**4.6**	**9.6**	**11.9**
Less than 50 miles	6.4	10.5	12.1
50 to 99 miles	8.0	15.0	16.0
100 to 249 miles	8.9	13.2	13.3
250 to 499 miles	11.8	13.4	12.7
500 to 749 miles	17.5	28.2	28.3
750 to 999 miles	16.2	25.1	24.9
1,000 to 1,499 miles	20.7	31.3	29.5
1,500 to 1,999 miles	19.9	21.6	21.3
2,000 miles or more	13.3	15.6	16.1

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**5.5**	**7.5**	**17.0**
Less than 50 miles	5.2	6.7	7.4
50 to 99 miles	12.3	13.3	13.3
100 to 249 miles	14.3	16.3	16.2
250 to 499 miles	20.4	20.1	20.3
500 to 749 miles	30.3	30.5	32.1
750 to 999 miles	47.5	47.0	46.8
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 09, Tobacco products	**24.0**	**36.4**	**30.3**
Less than 50 miles	36.8	49.0	S
50 to 99 miles	22.0	27.7	28.0
100 to 249 miles	26.1	25.8	23.4
250 to 499 miles	31.1	26.0	26.3
500 to 749 miles	26.8	24.8	25.0
750 to 999 miles	32.9	31.8	32.0
1,000 to 1,499 miles	49.3	48.7	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	39.2	44.2	45.0
SCTG 10, Monumental or building stone	**22.8**	**32.8**	**20.9**
Less than 50 miles	38.5	38.3	36.8
50 to 99 miles	45.2	44.8	S
100 to 249 miles	S	48.8	47.3
250 to 499 miles	27.5	37.1	35.7
500 to 749 miles	27.7	22.9	22.3
750 to 999 miles	26.5	33.9	33.2
1,000 to 1,499 miles	S	47.0	45.6
1,500 to 1,999 miles	S	S	S
2,000 miles or more	43.0	S	S
SCTG 11, Natural sands	**18.7**	**18.4**	**18.8**
Less than 50 miles	29.9	19.6	20.9
50 to 99 miles	25.3	33.5	33.0
100 to 249 miles	26.2	20.3	21.7
250 to 499 miles	31.7	33.8	35.3
500 to 749 miles	44.4	34.5	34.0
750 to 999 miles	44.4	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	47.0	48.0	47.6
SCTG 12, Gravel and crushed stone	**8.9**	**10.8**	**13.2**
Less than 50 miles	10.7	12.7	11.2
50 to 99 miles	15.3	14.3	14.3
100 to 249 miles	17.2	19.8	20.8
250 to 499 miles	29.5	38.4	39.0
500 to 749 miles	40.8	S	S
750 to 999 miles	37.9	37.2	37.3
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	–	–	–
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**12.6**	**11.1**	**14.5**
Less than 50 miles	15.3	17.8	19.7
50 to 99 miles	27.6	29.0	28.2
100 to 249 miles	17.5	17.0	21.0
250 to 499 miles	44.5	18.1	17.6
500 to 749 miles	14.4	12.2	12.3
750 to 999 miles	12.9	21.8	22.0
1,000 to 1,499 miles	20.5	25.1	25.0
1,500 to 1,999 miles	29.0	40.2	38.3
2,000 miles or more	28.2	36.4	37.4
SCTG 14, Metallic ores and concentrates	**23.2**	**33.7**	**29.3**
Less than 50 miles	36.6	S	S
50 to 99 miles	S	35.6	37.2
100 to 249 miles	35.3	30.5	32.0
250 to 499 miles	31.6	30.4	31.6
500 to 749 miles	42.7	50.0	S
750 to 999 miles	S	33.8	33.9
1,000 to 1,499 miles	S	30.6	33.0
1,500 to 1,999 miles	S	36.0	36.2
2,000 miles or more	S	S	S
SCTG 15, Coal	**9.8**	**10.7**	**10.1**
Less than 50 miles	15.4	17.6	16.7
50 to 99 miles	30.9	30.1	32.8
100 to 249 miles	17.4	18.4	18.1
250 to 499 miles	14.1	15.2	14.3
500 to 749 miles	26.4	26.1	27.7
750 to 999 miles	S	S	S
1,000 to 1,499 miles	–	–	–
1,500 to 1,999 miles	S	S	S
2,000 miles or more	–	–	–

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	**9.5**	**13.2**	**21.9**
Less than 50 miles	5.6	7.3	6.4
50 to 99 miles	34.0	41.3	38.3
100 to 249 miles	21.2	25.0	25.2
250 to 499 miles	35.3	34.2	38.7
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 18, Fuel oils	**12.5**	**13.0**	**17.1**
Less than 50 miles	13.4	14.2	13.9
50 to 99 miles	21.5	21.7	21.0
100 to 249 miles	26.5	24.7	24.7
250 to 499 miles	42.8	43.1	49.9
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	–	–	–
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.4**	**16.7**	**30.0**
Less than 50 miles	13.9	24.4	30.0
50 to 99 miles	17.1	19.5	20.7
100 to 249 miles	23.8	33.9	31.7
250 to 499 miles	19.2	42.8	S
500 to 749 miles	19.6	30.0	32.2
750 to 999 miles	38.3	S	S
1,000 to 1,499 miles	41.8	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	44.5	S	S
SCTG 20, Basic chemicals	**7.3**	**10.3**	**13.7**
Less than 50 miles	10.6	15.0	14.3
50 to 99 miles	13.4	15.7	16.7
100 to 249 miles	11.0	15.7	15.5
250 to 499 miles	17.4	19.5	20.9
500 to 749 miles	10.5	12.3	12.3
750 to 999 miles	15.3	20.7	24.6
1,000 to 1,499 miles	17.8	22.1	22.7
1,500 to 1,999 miles	29.3	37.5	39.7
2,000 miles or more	23.4	36.3	36.4
SCTG 21, Pharmaceutical products	**12.1**	**27.5**	**42.9**
Less than 50 miles	29.3	38.5	23.8
50 to 99 miles	16.5	26.7	27.5
100 to 249 miles	15.9	14.6	14.5
250 to 499 miles	16.5	37.6	38.9
500 to 749 miles	17.2	47.7	46.9
750 to 999 miles	19.3	49.5	49.2
1,000 to 1,499 miles	28.9	49.6	S
1,500 to 1,999 miles	29.1	39.5	39.1
2,000 miles or more	19.4	S	S
SCTG 22, Fertilizers	**11.2**	**18.6**	**12.8**
Less than 50 miles	13.6	21.8	26.0
50 to 99 miles	26.4	10.4	10.9
100 to 249 miles	18.3	15.4	17.1
250 to 499 miles	17.8	17.0	17.1
500 to 749 miles	25.2	21.7	22.2
750 to 999 miles	24.7	27.0	26.7
1,000 to 1,499 miles	29.3	27.1	27.7
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	**5.2**	**7.8**	**13.2**
Less than 50 miles	8.4	10.4	9.8
50 to 99 miles	11.0	15.3	14.1
100 to 249 miles	8.5	15.9	17.6
250 to 499 miles	9.3	12.4	12.5
500 to 749 miles	10.6	10.3	10.6
750 to 999 miles	8.4	16.5	17.2
1,000 to 1,499 miles	16.7	34.6	35.5
1,500 to 1,999 miles	22.8	35.1	35.9
2,000 miles or more	20.5	18.1	19.1
SCTG 24, Plastics and rubber	**5.0**	**6.7**	**10.0**
Less than 50 miles	7.2	8.4	10.6
50 to 99 miles	7.0	10.6	11.1
100 to 249 miles	6.0	8.3	8.9
250 to 499 miles	9.1	10.3	10.9
500 to 749 miles	8.9	10.2	10.4
750 to 999 miles	10.7	15.8	16.0
1,000 to 1,499 miles	7.1	13.3	14.1
1,500 to 1,999 miles	10.9	13.5	13.9
2,000 miles or more	15.6	23.1	23.0

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**14.9**	**23.0**	**30.7**
Less than 50 miles	15.5	20.5	17.1
50 to 99 miles	34.5	S	S
100 to 249 miles	24.5	40.2	37.8
250 to 499 miles	27.1	S	S
500 to 749 miles	28.4	34.5	35.0
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 26, Wood products	**5.7**	**15.3**	**10.9**
Less than 50 miles	6.4	18.9	19.4
50 to 99 miles	6.2	30.3	30.2
100 to 249 miles	7.3	10.7	11.5
250 to 499 miles	14.2	14.1	14.3
500 to 749 miles	19.2	19.1	17.7
750 to 999 miles	10.3	12.0	12.2
1,000 to 1,499 miles	16.5	16.7	16.9
1,500 to 1,999 miles	23.3	27.9	27.3
2,000 miles or more	16.8	12.4	12.3
SCTG 27, Pulp, newsprint, paper, and paperboard	**6.9**	**6.5**	**8.3**
Less than 50 miles	9.4	8.4	9.5
50 to 99 miles	9.4	10.8	11.7
100 to 249 miles	12.4	10.3	10.3
250 to 499 miles	9.0	9.4	9.7
500 to 749 miles	7.8	8.6	8.7
750 to 999 miles	12.4	11.7	11.9
1,000 to 1,499 miles	16.3	21.3	21.7
1,500 to 1,999 miles	41.6	27.1	27.1
2,000 miles or more	18.3	19.1	19.4
SCTG 28, Paper or paperboard articles	**6.9**	**6.6**	**11.0**
Less than 50 miles	5.9	6.9	8.2
50 to 99 miles	8.2	12.6	12.3
100 to 249 miles	9.4	7.7	7.9
250 to 499 miles	14.6	12.6	12.3
500 to 749 miles	13.3	13.6	14.1
750 to 999 miles	15.4	14.7	15.0
1,000 to 1,499 miles	17.4	19.4	21.3
1,500 to 1,999 miles	34.6	33.8	36.8
2,000 miles or more	17.6	25.4	24.7
SCTG 29, Printed products	**5.9**	**11.9**	**11.8**
Less than 50 miles	9.2	16.4	15.5
50 to 99 miles	6.9	14.4	14.7
100 to 249 miles	5.3	13.0	14.4
250 to 499 miles	8.8	19.5	18.8
500 to 749 miles	10.9	29.1	28.0
750 to 999 miles	13.4	15.3	15.4
1,000 to 1,499 miles	22.2	19.9	19.3
1,500 to 1,999 miles	20.1	22.3	22.2
2,000 miles or more	13.3	20.4	20.0
SCTG 30, Textiles, leather, and articles of textiles or leather	**14.9**	**4.8**	**9.1**
Less than 50 miles	18.9	8.0	9.6
50 to 99 miles	S	8.8	8.8
100 to 249 miles	18.7	5.5	5.4
250 to 499 miles	6.1	7.4	7.4
500 to 749 miles	8.4	11.9	11.8
750 to 999 miles	6.5	9.4	9.5
1,000 to 1,499 miles	14.3	13.7	13.7
1,500 to 1,999 miles	19.2	29.7	31.6
2,000 miles or more	7.9	13.1	13.9
SCTG 31, Nonmetallic mineral products	**6.9**	**7.7**	**7.4**
Less than 50 miles	7.2	9.3	10.8
50 to 99 miles	7.9	16.4	15.6
100 to 249 miles	16.4	8.2	7.2
250 to 499 miles	9.6	9.5	9.9
500 to 749 miles	11.9	11.6	10.6
750 to 999 miles	12.5	13.8	14.0
1,000 to 1,499 miles	10.7	49.0	S
1,500 to 1,999 miles	32.9	30.3	31.4
2,000 miles or more	15.0	38.3	39.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**6.5**	**14.9**	**12.1**
Less than 50 miles	7.8	15.7	26.7
50 to 99 miles	14.5	26.1	27.1
100 to 249 miles	8.5	20.7	19.5
250 to 499 miles	9.3	12.4	13.4
500 to 749 miles	9.2	17.6	17.4
750 to 999 miles	14.2	23.2	27.2
1,000 to 1,499 miles	32.0	34.0	34.1
1,500 to 1,999 miles	24.8	24.7	25.0
2,000 miles or more	13.7	25.3	26.7

See footnotes at end of table.

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.5**	**5.8**	**9.4**
Less than 50 miles	5.7	10.0	7.6
50 to 99 miles	9.5	12.5	11.6
100 to 249 miles	5.9	7.6	6.8
250 to 499 miles	7.5	9.4	9.4
500 to 749 miles	9.4	12.6	12.4
750 to 999 miles	9.4	12.1	12.1
1,000 to 1,499 miles	12.5	18.5	18.1
1,500 to 1,999 miles	17.2	22.5	30.1
2,000 miles or more	13.8	35.7	35.1
SCTG 34, Machinery	**7.4**	**5.6**	**8.6**
Less than 50 miles	8.9	7.4	6.8
50 to 99 miles	17.4	12.6	12.7
100 to 249 miles	12.5	9.4	10.7
250 to 499 miles	10.8	8.0	8.3
500 to 749 miles	5.7	9.5	9.4
750 to 999 miles	8.6	9.8	9.7
1,000 to 1,499 miles	23.1	18.8	18.4
1,500 to 1,999 miles	19.7	26.4	26.9
2,000 miles or more	22.0	14.2	13.8
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.1**	**11.6**	**14.4**
Less than 50 miles	12.8	20.6	21.9
50 to 99 miles	9.6	11.5	10.5
100 to 249 miles	8.0	12.9	13.9
250 to 499 miles	39.3	13.3	13.7
500 to 749 miles	15.4	21.1	20.9
750 to 999 miles	11.1	16.1	16.6
1,000 to 1,499 miles	16.4	13.8	13.8
1,500 to 1,999 miles	26.8	44.4	41.8
2,000 miles or more	9.3	8.3	8.9
SCTG 36, Motorized and other vehicles (including parts)	**7.4**	**7.5**	**8.0**
Less than 50 miles	15.5	15.6	21.5
50 to 99 miles	18.3	14.8	13.7
100 to 249 miles	9.2	8.9	10.6
250 to 499 miles	7.9	9.9	10.8
500 to 749 miles	16.3	13.3	13.6
750 to 999 miles	11.9	16.6	16.3
1,000 to 1,499 miles	29.7	15.2	15.8
1,500 to 1,999 miles	21.3	18.6	18.3
2,000 miles or more	24.1	23.9	23.4
SCTG 37, Transportation equipment, n.e.c.	**17.8**	**19.3**	**18.4**
Less than 50 miles	40.4	S	S
50 to 99 miles	27.8	29.3	31.3
100 to 249 miles	S	30.1	29.8
250 to 499 miles	11.8	32.8	37.4
500 to 749 miles	20.0	36.8	37.1
750 to 999 miles	24.9	27.7	30.1
1,000 to 1,499 miles	19.7	16.7	16.1
1,500 to 1,999 miles	S	46.9	45.9
2,000 miles or more	25.2	22.1	24.5
SCTG 38, Precision instruments and apparatus	**7.4**	**22.5**	**23.9**
Less than 50 miles	12.2	17.3	19.8
50 to 99 miles	15.9	S	S
100 to 249 miles	14.6	28.8	25.0
250 to 499 miles	10.7	35.9	26.2
500 to 749 miles	12.1	41.3	40.0
750 to 999 miles	24.6	23.7	23.2
1,000 to 1,499 miles	31.7	21.4	21.8
1,500 to 1,999 miles	14.5	18.3	19.3
2,000 miles or more	24.9	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**4.6**	**6.8**	**6.9**
Less than 50 miles	9.6	10.4	9.7
50 to 99 miles	8.9	17.7	15.4
100 to 249 miles	9.2	10.6	10.2
250 to 499 miles	9.0	14.2	15.5
500 to 749 miles	5.9	7.6	7.2
750 to 999 miles	9.6	11.8	11.5
1,000 to 1,499 miles	9.5	12.3	12.2
1,500 to 1,999 miles	12.0	12.5	12.5
2,000 miles or more	8.9	12.7	13.9
SCTG 40, Miscellaneous manufactured products	**12.2**	**12.4**	**12.6**
Less than 50 miles	8.3	24.5	22.5
50 to 99 miles	19.2	18.5	18.1
100 to 249 miles	33.4	17.5	16.7
250 to 499 miles	9.4	14.7	16.3
500 to 749 miles	6.3	13.4	13.3
750 to 999 miles	8.4	25.7	24.8
1,000 to 1,499 miles	12.7	26.3	26.5
1,500 to 1,999 miles	20.6	35.3	34.8
2,000 miles or more	8.6	22.1	21.6

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	**13.1**	**12.6**	**15.9**
Less than 50 miles	35.3	17.3	25.6
50 to 99 miles	16.4	18.6	18.5
100 to 249 miles	14.9	15.0	15.8
250 to 499 miles	16.6	28.8	26.0
500 to 749 miles	21.0	28.8	27.2
750 to 999 miles	29.6	26.4	26.3
1,000 to 1,499 miles	36.6	46.1	46.8
1,500 to 1,999 miles	S	S	S
2,000 miles or more	45.6	S	S
SCTG 43, Mixed freight	**22.0**	**24.7**	**17.1**
Less than 50 miles	25.1	31.4	33.2
50 to 99 miles	23.1	25.3	24.5
100 to 249 miles	27.0	19.9	19.0
250 to 499 miles	S	22.8	24.3
500 to 749 miles	26.5	31.8	32.1
750 to 999 miles	44.0	40.1	40.0
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
Commodity unknown	**15.3**	**17.5**	**23.1**
Less than 50 miles	16.2	26.8	24.6
50 to 99 miles	26.3	29.7	29.5
100 to 249 miles	31.7	24.4	24.6
250 to 499 miles	27.4	26.9	26.3
500 to 749 miles	20.8	21.5	21.5
750 to 999 miles	32.3	S	S
1,000 to 1,499 miles	33.5	42.7	42.9
1,500 to 1,999 miles	35.7	35.8	36.2
2,000 miles or more	S	S	S

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

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

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	**2.4**	**3.2**	**3.4**
Less than 50 lb	2.8	3.3	3.2
50 to 99 lb	4.1	5.0	3.8
100 to 499 lb	2.7	3.5	2.9
500 to 749 lb	3.4	3.4	5.0
750 to 999 lb	4.4	3.3	3.2
1,000 to 9,999 lb	8.9	2.3	3.1
10,000 to 49,999 lb	3.2	3.6	2.2
50,000 to 99,999 lb	7.5	9.2	8.2
100,000 lb or more	6.4	5.6	6.0
SCTG 01, Live animals and live fish	**42.3**	**S**	**34.8**
Less than 50 lb	47.1	48.7	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	47.6
50,000 to 99,999 lb	33.9	30.8	39.0
100,000 lb or more	S	S	44.8
SCTG 02, Cereal grains	**38.9**	**29.2**	**S**
Less than 50 lb	S	S	S
50 to 99 lb	47.2	S	S
100 to 499 lb	S	35.5	S
500 to 749 lb	48.1	40.1	S
750 to 999 lb	S	37.6	S
1,000 to 9,999 lb	32.8	26.3	29.6
10,000 to 49,999 lb	18.0	16.8	24.4
50,000 to 99,999 lb	14.1	14.4	17.1
100,000 lb or more	S	47.0	S
SCTG 03, Other agricultural products	**6.5**	**9.9**	**19.0**
Less than 50 lb	42.0	33.2	S
50 to 99 lb	32.2	26.5	14.2
100 to 499 lb	17.0	22.1	11.5
500 to 749 lb	28.0	27.1	20.1
750 to 999 lb	19.5	29.4	25.9
1,000 to 9,999 lb	17.0	23.7	19.5
10,000 to 49,999 lb	9.6	15.2	21.6
50,000 to 99,999 lb	30.2	32.8	36.7
100,000 lb or more	26.9	31.5	47.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	**9.6**	**11.1**	**11.0**
Less than 50 lb	S	S	48.8
50 to 99 lb	30.4	37.5	28.4
100 to 499 lb	34.6	28.5	41.3
500 to 749 lb	41.6	30.3	37.4
750 to 999 lb	41.8	38.3	47.4
1,000 to 9,999 lb	27.4	19.3	28.4
10,000 to 49,999 lb	12.8	13.1	12.6
50,000 to 99,999 lb	9.6	9.9	10.9
100,000 lb or more	16.2	29.8	23.4
SCTG 05, Meat, fish, seafood, and their preparations	**7.4**	**8.5**	**11.6**
Less than 50 lb	40.5	41.4	S
50 to 99 lb	36.7	42.8	46.0
100 to 499 lb	22.3	27.9	24.8
500 to 749 lb	15.8	17.1	15.4
750 to 999 lb	17.3	16.5	15.7
1,000 to 9,999 lb	9.8	11.0	12.0
10,000 to 49,999 lb	7.6	8.2	12.3
50,000 to 99,999 lb	23.4	27.3	36.8
100,000 lb or more	42.1	37.6	48.4
SCTG 06, Milled grain products and preparations, and bakery products	**8.5**	**8.2**	**11.5**
Less than 50 lb	40.6	38.3	38.0
50 to 99 lb	33.4	32.5	26.9
100 to 499 lb	27.7	20.9	16.8
500 to 749 lb	38.7	27.0	20.9
750 to 999 lb	28.7	21.5	26.8
1,000 to 9,999 lb	11.9	12.2	13.2
10,000 to 49,999 lb	10.1	9.6	13.7
50,000 to 99,999 lb	18.7	22.8	32.6
100,000 lb or more	S	38.7	44.6
SCTG 07, Other prepared foodstuffs and fats and oils	**4.6**	**9.6**	**11.9**
Less than 50 lb	18.0	25.1	19.4
50 to 99 lb	17.9	27.0	27.0
100 to 499 lb	8.1	10.6	12.9
500 to 749 lb	10.5	12.8	14.6
750 to 999 lb	9.3	11.5	11.9
1,000 to 9,999 lb	7.9	12.2	9.9
10,000 to 49,999 lb	7.5	10.8	12.1
50,000 to 99,999 lb	25.8	32.1	S
100,000 lb or more	23.4	23.1	33.3

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 08, Alcoholic beverages	**5.5**	**7.5**	**17.0**
Less than 50 lb	21.3	15.9	18.4
50 to 99 lb	8.9	6.0	10.7
100 to 499 lb	5.6	5.6	7.6
500 to 749 lb	7.1	7.4	9.8
750 to 999 lb	6.1	7.3	9.9
1,000 to 9,999 lb	6.5	7.1	9.0
10,000 to 49,999 lb	12.0	14.0	20.4
50,000 to 99,999 lb	30.4	29.8	31.1
100,000 lb or more	S	S	S
SCTG 09, Tobacco products	**24.0**	**36.4**	**30.3**
Less than 50 lb	13.7	8.9	28.7
50 to 99 lb	11.8	11.6	18.4
100 to 499 lb	13.0	13.2	23.1
500 to 749 lb	20.1	23.4	35.1
750 to 999 lb	28.2	26.8	44.4
1,000 to 9,999 lb	27.0	16.0	22.3
10,000 to 49,999 lb	27.2	38.6	31.5
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 10, Monumental or building stone	**22.8**	**32.8**	**20.9**
Less than 50 lb	S	S	S
50 to 99 lb	36.0	49.0	S
100 to 499 lb	46.1	45.1	49.8
500 to 749 lb	40.7	34.7	33.8
750 to 999 lb	44.2	S	41.1
1,000 to 9,999 lb	28.8	23.8	19.3
10,000 to 49,999 lb	30.3	39.9	19.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 11, Natural sands	**18.7**	**18.4**	**18.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	40.8	S
100 to 499 lb	S	34.2	44.6
500 to 749 lb	47.4	37.2	S
750 to 999 lb	S	38.0	35.7
1,000 to 9,999 lb	43.2	28.5	33.6
10,000 to 49,999 lb	26.1	19.9	18.6
50,000 to 99,999 lb	25.1	35.7	34.2
100,000 lb or more	30.3	46.8	24.7
SCTG 12, Gravel and crushed stone	**8.9**	**10.8**	**13.2**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	37.4	28.3	28.9
500 to 749 lb	48.7	29.6	37.2
750 to 999 lb	38.7	38.5	S
1,000 to 9,999 lb	19.2	17.4	26.3
10,000 to 49,999 lb	7.1	8.5	13.0
50,000 to 99,999 lb	36.6	44.8	30.6
100,000 lb or more	14.0	16.9	33.0
SCTG 13, Nonmetallic minerals n.e.c.	**12.6**	**11.1**	**14.5**
Less than 50 lb	S	46.8	S
50 to 99 lb	S	43.8	S
100 to 499 lb	S	40.9	S
500 to 749 lb	48.0	S	S
750 to 999 lb	S	46.4	S
1,000 to 9,999 lb	33.8	29.6	34.7
10,000 to 49,999 lb	22.0	15.6	13.7
50,000 to 99,999 lb	26.0	25.7	22.8
100,000 lb or more	10.1	14.6	18.4
SCTG 14, Metallic ores and concentrates	**23.2**	**33.7**	**29.3**
Less than 50 lb	37.1	35.3	S
50 to 99 lb	48.8	S	S
100 to 499 lb	S	49.1	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	31.2	43.7	37.5
10,000 to 49,999 lb	26.7	20.8	29.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	34.5	23.0	33.4
SCTG 15, Coal	**9.8**	**10.7**	**10.1**
Less than 50 lb	S	S	S
50 to 99 lb	–	–	–
100 to 499 lb	S	S	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	31.5	47.2
10,000 to 49,999 lb	30.8	30.9	36.5
50,000 to 99,999 lb	43.6	S	46.9
100,000 lb or more	10.2	11.2	10.2

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 17, Gasoline and aviation turbine fuel	**9.5**	**13.2**	**21.9**
Less than 50 lb	S	45.9	31.2
50 to 99 lb	S	32.0	22.6
100 to 499 lb	43.5	31.8	25.5
500 to 749 lb	35.8	39.4	42.8
750 to 999 lb	17.7	17.0	20.2
1,000 to 9,999 lb	14.3	16.9	26.9
10,000 to 49,999 lb	18.1	23.9	34.0
50,000 to 99,999 lb	10.0	13.4	20.6
100,000 lb or more	37.4	38.4	S
SCTG 18, Fuel oils	**12.5**	**13.0**	**17.1**
Less than 50 lb	S	36.8	39.2
50 to 99 lb	39.6	27.3	36.6
100 to 499 lb	40.8	21.1	25.8
500 to 749 lb	18.1	16.2	25.3
750 to 999 lb	18.3	21.3	17.7
1,000 to 9,999 lb	13.3	15.0	31.8
10,000 to 49,999 lb	10.3	10.1	20.0
50,000 to 99,999 lb	11.9	12.0	15.2
100,000 lb or more	S	S	38.8
SCTG 19, Coal and petroleum products, n.e.c.	**12.4**	**16.7**	**30.0**
Less than 50 lb	14.4	15.6	26.9
50 to 99 lb	21.4	20.5	20.1
100 to 499 lb	23.0	18.3	23.4
500 to 749 lb	18.8	16.7	19.7
750 to 999 lb	20.6	21.9	32.4
1,000 to 9,999 lb	17.4	18.6	22.0
10,000 to 49,999 lb	19.8	23.0	19.6
50,000 to 99,999 lb	26.6	26.4	33.1
100,000 lb or more	24.8	32.5	S
SCTG 20, Basic chemicals	**7.3**	**10.3**	**13.7**
Less than 50 lb	22.3	28.3	34.6
50 to 99 lb	21.8	32.3	35.8
100 to 499 lb	15.4	31.9	18.1
500 to 749 lb	19.1	27.4	29.3
750 to 999 lb	13.0	25.5	18.3
1,000 to 9,999 lb	13.1	10.9	13.3
10,000 to 49,999 lb	7.5	12.5	13.4
50,000 to 99,999 lb	21.0	21.1	26.3
100,000 lb or more	16.4	17.6	20.0
SCTG 21, Pharmaceutical products	**12.1**	**27.5**	**42.9**
Less than 50 lb	14.0	12.0	16.6
50 to 99 lb	17.0	13.7	32.2
100 to 499 lb	17.0	19.7	48.4
500 to 749 lb	38.0	27.1	47.6
750 to 999 lb	28.8	32.0	38.0
1,000 to 9,999 lb	19.3	17.9	26.9
10,000 to 49,999 lb	22.6	35.9	S
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 22, Fertilizers	**11.2**	**18.6**	**12.8**
Less than 50 lb	S	S	S
50 to 99 lb	S	30.4	29.5
100 to 499 lb	47.2	34.2	S
500 to 749 lb	27.9	28.2	29.4
750 to 999 lb	22.3	18.9	28.3
1,000 to 9,999 lb	22.1	20.8	31.5
10,000 to 49,999 lb	11.8	12.9	15.9
50,000 to 99,999 lb	24.1	19.2	15.4
100,000 lb or more	12.9	22.2	14.3
SCTG 23, Chemical products and preparations, n.e.c.	**5.2**	**7.8**	**13.2**
Less than 50 lb	17.9	18.0	19.3
50 to 99 lb	11.1	14.0	15.0
100 to 499 lb	9.5	32.5	9.3
500 to 749 lb	12.6	13.4	13.0
750 to 999 lb	15.9	23.7	19.1
1,000 to 9,999 lb	10.4	11.4	11.8
10,000 to 49,999 lb	7.1	9.3	9.5
50,000 to 99,999 lb	16.1	20.1	33.2
100,000 lb or more	25.5	28.6	42.4
SCTG 24, Plastics and rubber	**5.0**	**6.7**	**10.0**
Less than 50 lb	8.3	6.8	10.1
50 to 99 lb	6.7	6.0	9.6
100 to 499 lb	7.5	11.2	12.3
500 to 749 lb	10.0	15.2	14.9
750 to 999 lb	9.2	9.7	12.8
1,000 to 9,999 lb	6.1	6.1	5.6
10,000 to 49,999 lb	9.2	10.9	13.9
50,000 to 99,999 lb	26.7	28.6	21.6
100,000 lb or more	25.9	19.3	22.3

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 25, Logs and other wood in the rough	**14.9**	**23.0**	**30.7**
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	48.4	S
500 to 749 lb	S	S	S
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	27.7	30.0
10,000 to 49,999 lb	14.9	20.8	27.3
50,000 to 99,999 lb	19.8	28.4	38.4
100,000 lb or more	29.0	31.5	46.0
SCTG 26, Wood products	**5.7**	**15.3**	**10.9**
Less than 50 lb	20.3	20.6	29.8
50 to 99 lb	22.1	17.7	38.6
100 to 499 lb	13.6	10.1	16.9
500 to 749 lb	14.0	13.2	18.4
750 to 999 lb	16.0	24.3	21.7
1,000 to 9,999 lb	6.9	11.2	9.0
10,000 to 49,999 lb	10.7	12.0	13.4
50,000 to 99,999 lb	10.8	38.3	23.6
100,000 lb or more	18.4	15.2	11.5
SCTG 27, Pulp, newsprint, paper, and paperboard	**6.9**	**6.5**	**8.3**
Less than 50 lb	13.1	13.7	17.4
50 to 99 lb	12.6	15.0	30.2
100 to 499 lb	14.1	15.4	29.2
500 to 749 lb	16.5	15.4	24.7
750 to 999 lb	13.4	13.4	16.8
1,000 to 9,999 lb	9.7	12.5	12.1
10,000 to 49,999 lb	8.4	7.2	9.5
50,000 to 99,999 lb	17.5	15.7	16.3
100,000 lb or more	9.7	8.8	10.7
SCTG 28, Paper or paperboard articles	**6.9**	**6.6**	**11.0**
Less than 50 lb	14.2	8.2	18.0
50 to 99 lb	13.5	12.8	21.5
100 to 499 lb	9.7	9.6	13.2
500 to 749 lb	19.3	15.0	28.6
750 to 999 lb	14.9	14.3	19.4
1,000 to 9,999 lb	6.9	8.1	10.5
10,000 to 49,999 lb	10.3	7.9	10.5
50,000 to 99,999 lb	38.8	29.1	40.5
100,000 lb or more	33.3	32.9	35.5
SCTG 29, Printed products	**5.9**	**11.9**	**11.8**
Less than 50 lb	12.5	12.0	18.9
50 to 99 lb	12.7	12.6	12.4
100 to 499 lb	25.1	15.7	27.7
500 to 749 lb	15.7	17.4	18.9
750 to 999 lb	18.8	23.5	10.8
1,000 to 9,999 lb	7.7	11.7	11.1
10,000 to 49,999 lb	9.3	19.3	18.8
50,000 to 99,999 lb	27.1	41.0	40.4
100,000 lb or more	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**14.9**	**4.8**	**9.1**
Less than 50 lb	6.2	5.4	6.7
50 to 99 lb	8.5	7.4	9.5
100 to 499 lb	4.2	5.7	6.3
500 to 749 lb	5.8	9.4	12.7
750 to 999 lb	15.6	9.9	11.2
1,000 to 9,999 lb	37.0	8.2	9.5
10,000 to 49,999 lb	5.3	5.9	13.9
50,000 to 99,999 lb	38.4	28.0	36.8
100,000 lb or more	21.4	27.1	42.9
SCTG 31, Nonmetallic mineral products	**6.9**	**7.7**	**7.4**
Less than 50 lb	15.7	11.6	21.1
50 to 99 lb	17.6	15.1	17.8
100 to 499 lb	10.8	9.4	15.7
500 to 749 lb	16.7	15.2	21.2
750 to 999 lb	27.0	24.5	33.0
1,000 to 9,999 lb	22.4	10.7	9.7
10,000 to 49,999 lb	5.0	8.6	7.9
50,000 to 99,999 lb	15.6	17.6	15.6
100,000 lb or more	29.5	16.2	24.3
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**6.5**	**14.9**	**12.1**
Less than 50 lb	18.7	9.3	23.3
50 to 99 lb	13.6	11.8	23.6
100 to 499 lb	9.3	10.9	8.5
500 to 749 lb	8.1	10.2	12.3
750 to 999 lb	15.6	12.0	12.3
1,000 to 9,999 lb	9.1	9.3	18.3
10,000 to 49,999 lb	7.0	14.2	10.0
50,000 to 99,999 lb	18.1	20.8	42.8
100,000 lb or more	20.1	33.7	24.6

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 33, Articles of base metal	**5.5**	**5.8**	**9.4**
Less than 50 lb	14.3	12.0	13.8
50 to 99 lb	13.0	9.7	13.4
100 to 499 lb	7.7	5.9	8.7
500 to 749 lb	6.4	6.6	6.2
750 to 999 lb	10.7	8.4	13.1
1,000 to 9,999 lb	4.4	5.5	7.0
10,000 to 49,999 lb	7.3	7.1	10.1
50,000 to 99,999 lb	17.2	24.9	42.5
100,000 lb or more	33.0	27.2	S
SCTG 34, Machinery	**7.4**	**5.6**	**8.6**
Less than 50 lb	10.1	13.4	12.0
50 to 99 lb	12.9	19.4	24.9
100 to 499 lb	8.1	11.2	7.4
500 to 749 lb	12.7	7.8	9.6
750 to 999 lb	8.5	8.4	13.0
1,000 to 9,999 lb	10.5	5.6	7.3
10,000 to 49,999 lb	9.1	8.2	10.9
50,000 to 99,999 lb	S	27.8	34.7
100,000 lb or more	S	32.8	34.8
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.1**	**11.6**	**14.4**
Less than 50 lb	7.0	5.8	10.3
50 to 99 lb	13.3	7.0	9.9
100 to 499 lb	10.3	7.6	11.0
500 to 749 lb	10.3	7.1	10.5
750 to 999 lb	16.8	13.3	17.4
1,000 to 9,999 lb	33.1	10.7	13.4
10,000 to 49,999 lb	12.4	16.3	22.5
50,000 to 99,999 lb	31.1	32.8	S
100,000 lb or more	34.7	S	33.0
SCTG 36, Motorized and other vehicles (including parts)	**7.4**	**7.5**	**8.0**
Less than 50 lb	10.9	9.0	10.8
50 to 99 lb	10.5	12.4	11.5
100 to 499 lb	9.9	7.4	12.1
500 to 749 lb	19.0	11.2	24.5
750 to 999 lb	22.7	24.1	23.0
1,000 to 9,999 lb	11.5	9.1	11.8
10,000 to 49,999 lb	12.2	10.4	8.5
50,000 to 99,999 lb	S	34.1	43.0
100,000 lb or more	S	38.8	S
SCTG 37, Transportation equipment, n.e.c.	**17.8**	**19.3**	**18.4**
Less than 50 lb	25.2	17.3	19.6
50 to 99 lb	34.2	18.6	23.3
100 to 499 lb	20.0	20.7	20.2
500 to 749 lb	33.5	22.1	18.4
750 to 999 lb	21.8	18.4	25.4
1,000 to 9,999 lb	30.1	16.2	14.3
10,000 to 49,999 lb	35.1	38.3	20.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	44.3	44.5	45.4
SCTG 38, Precision instruments and apparatus	**7.4**	**22.5**	**23.9**
Less than 50 lb	14.5	12.8	20.0
50 to 99 lb	26.1	27.0	37.2
100 to 499 lb	9.5	11.4	17.2
500 to 749 lb	17.1	14.5	17.7
750 to 999 lb	25.2	29.1	33.1
1,000 to 9,999 lb	22.6	23.7	48.5
10,000 to 49,999 lb	25.8	S	42.0
50,000 to 99,999 lb	S	S	S
100,000 lb or more	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**4.6**	**6.8**	**6.9**
Less than 50 lb	13.6	9.5	17.1
50 to 99 lb	9.4	7.3	10.3
100 to 499 lb	5.9	5.7	6.0
500 to 749 lb	8.3	8.6	8.8
750 to 999 lb	9.7	10.6	11.2
1,000 to 9,999 lb	7.8	10.2	8.4
10,000 to 49,999 lb	10.8	12.5	14.6
50,000 to 99,999 lb	44.1	38.5	S
100,000 lb or more	49.5	S	S
SCTG 40, Miscellaneous manufactured products	**12.2**	**12.4**	**12.6**
Less than 50 lb	8.1	7.6	12.3
50 to 99 lb	10.1	10.0	14.5
100 to 499 lb	7.6	6.2	9.8
500 to 749 lb	11.5	6.7	18.2
750 to 999 lb	9.3	9.3	15.8
1,000 to 9,999 lb	8.6	11.1	9.5
10,000 to 49,999 lb	28.8	17.0	20.8
50,000 to 99,999 lb	29.7	35.9	22.4
100,000 lb or more	S	36.8	44.0

See footnotes at end of table.

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
SCTG 41, Waste and scrap	**13.1**	**12.6**	**15.9**
Less than 50 lb	S	S	49.8
50 to 99 lb	S	S	S
100 to 499 lb	S	30.2	49.2
500 to 749 lb	S	S	49.4
750 to 999 lb	S	S	S
1,000 to 9,999 lb	S	47.2	31.5
10,000 to 49,999 lb	11.0	14.3	19.3
50,000 to 99,999 lb	32.7	23.8	23.7
100,000 lb or more	19.2	16.5	21.2
SCTG 43, Mixed freight	**22.0**	**24.7**	**17.1**
Less than 50 lb	27.0	33.8	S
50 to 99 lb	23.3	28.1	S
100 to 499 lb	13.4	15.2	30.0
500 to 749 lb	11.9	15.4	18.8
750 to 999 lb	11.1	14.4	22.4
1,000 to 9,999 lb	10.3	9.5	22.7
10,000 to 49,999 lb	30.5	31.9	22.7
50,000 to 99,999 lb	45.0	47.6	S
100,000 lb or more	S	45.8	S
Commodity unknown	**15.3**	**17.5**	**23.1**
Less than 50 lb	20.0	17.7	19.7
50 to 99 lb	19.8	28.5	47.5
100 to 499 lb	19.1	26.8	42.8
500 to 749 lb	S	47.9	22.2
750 to 999 lb	34.9	29.9	25.7
1,000 to 9,999 lb	20.8	27.0	19.3
10,000 to 49,999 lb	26.7	22.3	22.1
50,000 to 99,999 lb	36.7	43.7	32.2
100,000 lb or more	S	46.5	S

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

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

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**2.4**	**3.2**	**3.4**	**3.0**	**2.5**	**3.7**	**4.1**	**10.9**	**12.0**	**11.0**
Less than 50 lb	2.8	3.3	3.2	3.2	4.1	5.7	7.2	7.0	5.9	6.1
50 to 99 lb	4.1	5.0	3.8	4.1	11.5	7.6	8.8	8.2	9.3	10.3
100 to 499 lb	2.7	3.5	2.9	4.6	5.7	4.5	4.6	3.9	6.5	6.1
500 to 749 lb	3.4	3.4	5.0	4.4	3.9	4.8	6.5	4.9	6.6	6.7
750 to 999 lb	4.4	3.3	3.2	3.1	4.1	3.8	4.9	10.8	10.0	9.8
1,000 to 9,999 lb	8.9	2.3	3.1	2.6	7.0	3.4	3.8	33.6	4.3	4.3
10,000 to 49,999 lb	3.2	3.6	2.2	3.8	6.8	5.2	5.9	6.2	8.2	7.8
50,000 to 99,999 lb	7.5	9.2	8.2	5.9	4.1	11.4	7.2	21.7	23.3	22.2
100,000 lb or more	6.4	5.6	6.0	6.4	13.5	8.8	10.6	19.4	17.1	18.6
SCTG 01, Live animals and live fish	**42.3**	**S**	**34.8**	**17.5**	**47.7**	**S**	**S**	**48.9**	**S**	**S**
Less than 50 lb	47.1	48.7	S	21.1	49.7	S	S	S	S	S
50 to 99 lb	S	S	S	20.3	S	S	S	S	S	S
100 to 499 lb	S	S	S	20.6	S	S	S	S	S	S
500 to 749 lb	S	S	S	23.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	21.8	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	21.9	S	49.7	S	S	S	S
10,000 to 49,999 lb	S	S	47.6	S	S	S	S	48.9	S	S
50,000 to 99,999 lb	33.9	30.8	39.0	21.5	S	S	S	S	S	S
100,000 lb or more	S	S	44.8	20.8	–	–	–	–	–	–
SCTG 02, Cereal grains	**38.9**	**29.2**	**S**	**23.8**	**26.3**	**28.9**	**31.1**	**19.7**	**20.5**	**23.3**
Less than 50 lb	S	S	S	22.4	S	S	S	S	S	S
50 to 99 lb	47.2	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	35.5	S	19.2	S	37.0	40.0	S	S	S
500 to 749 lb	48.1	40.1	S	21.0	S	42.7	S	S	S	S
750 to 999 lb	S	37.6	S	19.8	S	S	S	S	S	S
1,000 to 9,999 lb	32.8	26.3	29.6	19.3	38.4	30.4	32.9	44.0	34.6	39.4
10,000 to 49,999 lb	18.0	16.8	24.4	10.7	20.5	20.5	27.6	22.2	21.2	23.6
50,000 to 99,999 lb	14.1	14.4	17.1	9.5	19.2	20.0	23.8	20.8	21.3	22.1
100,000 lb or more	S	47.0	S	15.6	S	S	S	S	S	S
SCTG 03, Other agricultural products	**6.5**	**9.9**	**19.0**	**24.9**	**11.4**	**16.4**	**24.9**	**13.2**	**14.7**	**15.4**
Less than 50 lb	42.0	33.2	S	23.5	S	45.9	47.4	S	S	S
50 to 99 lb	32.2	26.5	14.2	S	40.7	31.1	30.2	S	S	S
100 to 499 lb	17.0	22.1	11.5	45.8	24.4	24.9	27.0	30.1	47.5	S
500 to 749 lb	28.0	27.1	20.1	39.1	25.8	31.3	38.6	38.3	S	S
750 to 999 lb	19.5	29.4	25.9	35.7	24.3	31.9	31.4	48.7	S	S
1,000 to 9,999 lb	17.0	23.7	19.5	21.6	21.5	24.6	21.1	37.3	47.3	49.4
10,000 to 49,999 lb	9.6	15.2	21.6	10.9	17.0	17.4	23.9	17.4	20.1	21.3
50,000 to 99,999 lb	30.2	32.8	36.7	26.7	45.7	47.6	S	26.0	25.6	24.6
100,000 lb or more	26.9	31.5	47.1	21.6	33.9	43.3	S	46.3	38.2	38.8
SCTG 04, Animal feed and products of animal origin, n.e.c.	**9.6**	**11.1**	**11.0**	**13.8**	**12.0**	**13.4**	**13.8**	**21.7**	**25.8**	**25.8**
Less than 50 lb	S	S	48.8	S	S	S	S	S	S	S
50 to 99 lb	30.4	37.5	28.4	S	37.8	40.6	38.3	S	S	S
100 to 499 lb	34.6	28.5	41.3	46.8	28.6	32.3	28.0	S	S	S
500 to 749 lb	41.6	30.3	37.4	S	32.6	27.4	31.0	S	45.7	46.7
750 to 999 lb	41.8	38.3	47.4	29.3	46.8	36.9	S	S	49.6	49.5
1,000 to 9,999 lb	27.4	19.3	28.4	11.7	18.2	17.8	19.0	30.1	40.0	42.1
10,000 to 49,999 lb	12.8	13.1	12.6	10.5	14.9	15.4	16.6	27.2	31.4	31.7
50,000 to 99,999 lb	9.6	9.9	10.9	15.3	16.1	15.5	16.1	18.0	16.4	14.6
100,000 lb or more	16.2	29.8	23.4	20.6	38.9	47.4	40.0	S	45.9	47.5
SCTG 05, Meat, fish, seafood, and their preparations	**7.4**	**8.5**	**11.6**	**24.6**	**11.9**	**12.9**	**14.5**	**9.6**	**8.3**	**8.7**
Less than 50 lb	40.5	41.4	S	26.0	36.2	37.1	45.9	S	S	S
50 to 99 lb	36.7	42.8	46.0	S	31.6	36.5	41.0	S	S	S
100 to 499 lb	22.3	27.9	24.8	46.5	23.3	28.5	29.8	27.3	30.3	32.2
500 to 749 lb	15.8	17.1	15.4	17.5	17.8	17.6	18.6	24.9	30.8	29.1
750 to 999 lb	17.3	16.5	15.7	13.0	22.5	20.5	19.5	39.1	36.1	37.9
1,000 to 9,999 lb	9.8	11.0	12.0	12.6	15.4	17.7	15.6	12.6	13.6	13.6
10,000 to 49,999 lb	7.6	8.2	12.3	4.9	15.6	13.6	16.2	15.0	14.1	14.0
50,000 to 99,999 lb	23.4	27.3	36.8	25.6	S	S	S	S	45.8	44.7
100,000 lb or more	42.1	37.6	48.4	29.8	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**8.5**	**8.2**	**11.5**	**42.1**	**12.7**	**9.7**	**14.9**	**11.8**	**13.5**	**13.6**
Less than 50 lb	40.6	38.3	38.0	S	41.3	40.4	44.4	44.0	38.5	38.0
50 to 99 lb	33.4	32.5	26.9	S	39.4	39.3	41.0	34.3	33.4	32.6
100 to 499 lb	27.7	20.9	16.8	34.9	29.1	25.2	25.6	40.9	28.7	29.7
500 to 749 lb	38.7	27.0	20.9	20.4	40.4	32.7	35.4	S	34.9	36.0
750 to 999 lb	28.7	21.5	26.8	25.0	36.1	32.3	33.0	22.7	22.3	23.8
1,000 to 9,999 lb	11.9	12.2	13.2	9.0	16.1	13.7	15.2	12.7	15.0	15.2
10,000 to 49,999 lb	10.1	9.6	13.7	7.0	10.9	12.7	20.1	12.1	19.1	18.9
50,000 to 99,999 lb	18.7	22.8	32.6	25.7	26.5	25.4	31.2	31.6	32.0	33.1
100,000 lb or more	S	38.7	44.6	25.8	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**4.6**	**9.6**	**11.9**	**20.6**	**6.4**	**10.5**	**12.1**	**8.0**	**15.0**	**16.0**
Less than 50 lb	18.0	25.1	19.4	32.5	21.8	29.6	34.4	25.2	25.0	25.4
50 to 99 lb	17.9	27.0	27.0	S	21.2	29.1	29.6	23.4	46.4	S
100 to 499 lb	8.1	10.6	12.9	27.8	9.2	10.6	12.7	12.2	27.7	28.7
500 to 749 lb	10.5	12.8	14.6	9.3	11.1	13.3	17.6	21.8	18.8	18.0
750 to 999 lb	9.3	11.5	11.9	9.7	11.1	12.8	15.9	28.9	18.4	18.0
1,000 to 9,999 lb	7.9	12.2	9.9	9.0	12.0	16.3	15.4	11.9	12.3	12.5
10,000 to 49,999 lb	7.5	10.8	12.1	6.0	8.4	10.6	13.0	10.2	18.2	19.3
50,000 to 99,999 lb	25.8	32.1	S	16.0	21.5	22.7	25.3	24.3	26.8	26.3
100,000 lb or more	23.4	23.1	33.3	11.7	37.6	35.5	39.7	40.1	43.4	44.1
SCTG 08, Alcoholic beverages	**5.5**	**7.5**	**17.0**	**4.2**	**5.2**	**6.7**	**7.4**	**12.3**	**13.3**	**13.3**
Less than 50 lb	21.3	15.9	18.4	7.0	23.1	16.0	18.9	23.1	22.3	22.8
50 to 99 lb	8.9	6.0	10.7	7.6	9.4	5.5	7.2	18.9	18.7	19.9
100 to 499 lb	5.6	5.6	7.6	4.6	5.6	5.7	7.6	18.3	11.0	11.7
500 to 749 lb	7.1	7.4	9.8	4.4	7.5	7.6	10.8	21.5	18.9	21.4
750 to 999 lb	6.1	7.3	9.9	4.3	6.3	7.2	10.1	19.5	23.8	22.8
1,000 to 9,999 lb	6.5	7.1	9.0	4.0	6.2	7.1	9.8	20.0	17.0	17.7
10,000 to 49,999 lb	12.0	14.0	20.4	13.3	16.5	18.6	18.6	24.9	24.0	22.9
50,000 to 99,999 lb	30.4	29.8	31.1	19.2	44.2	43.3	37.9	S	S	49.4
100,000 lb or more	S	S	S	20.1	S	S	S	–	–	–
SCTG 09, Tobacco products	**24.0**	**36.4**	**30.3**	**17.5**	**36.8**	**49.0**	**S**	**22.0**	**27.7**	**28.0**
Less than 50 lb	13.7	8.9	28.7	17.1	9.1	7.8	10.3	17.7	15.7	16.8
50 to 99 lb	11.8	11.6	18.4	25.6	11.9	14.2	12.2	32.9	23.2	23.5
100 to 499 lb	13.0	13.2	23.1	14.9	9.8	7.5	11.6	21.8	17.6	18.1
500 to 749 lb	20.1	23.4	35.1	23.7	33.1	41.0	S	44.5	37.6	36.6
750 to 999 lb	28.2	26.8	44.4	44.6	S	S	40.5	S	47.4	49.2
1,000 to 9,999 lb	27.0	16.0	22.3	16.2	S	33.7	44.8	36.4	34.8	35.6
10,000 to 49,999 lb	27.2	38.6	31.5	S	43.3	S	S	47.5	38.0	37.8
50,000 to 99,999 lb	S	S	S	24.6	–	–	–	–	–	–
100,000 lb or more	S	S	S	23.9	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**22.8**	**32.8**	**20.9**	**37.4**	**38.5**	**38.3**	**36.8**	**45.2**	**44.8**	**S**
Less than 50 lb	S	S	S	20.3	40.3	47.3	S	S	S	S
50 to 99 lb	36.0	49.0	S	33.2	40.0	46.3	44.5	S	S	S
100 to 499 lb	46.1	45.1	49.8	50.0	S	46.0	S	S	S	S
500 to 749 lb	40.7	34.7	33.8	38.7	46.8	43.0	S	S	S	S
750 to 999 lb	44.2	S	41.1	45.8	S	S	S	S	S	S
1,000 to 9,999 lb	28.8	23.8	19.3	29.8	S	41.6	43.1	S	48.5	47.7
10,000 to 49,999 lb	30.3	39.9	19.6	S	S	46.0	45.6	S	38.7	44.0
50,000 to 99,999 lb	S	S	S	S	35.1	49.6	43.5	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	–	–	–
SCTG 11, Natural sands	**18.7**	**18.4**	**18.8**	**14.8**	**29.9**	**19.6**	**20.9**	**25.3**	**33.5**	**33.0**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	S	40.8	S	22.7	S	S	S	–	–	–
100 to 499 lb	S	34.2	44.6	16.6	S	34.1	49.2	S	48.0	47.6
500 to 749 lb	47.4	37.2	S	19.3	49.5	33.9	S	S	S	S
750 to 999 lb	S	38.0	35.7	24.0	S	39.7	37.4	S	S	S
1,000 to 9,999 lb	43.2	28.5	33.6	S	44.1	29.0	40.6	S	S	S
10,000 to 49,999 lb	26.1	19.9	18.6	16.8	40.8	21.5	22.7	39.4	29.0	29.5
50,000 to 99,999 lb	25.1	35.7	34.2	14.2	34.5	39.4	40.0	32.2	47.2	47.2
100,000 lb or more	30.3	46.8	24.7	39.0	37.9	S	42.9	35.0	49.0	47.4
SCTG 12, Gravel and crushed stone	**8.9**	**10.8**	**13.2**	**14.1**	**10.7**	**12.7**	**11.2**	**15.3**	**14.3**	**14.3**
Less than 50 lb	S	S	S	21.8	S	S	S	–	–	–
50 to 99 lb	S	S	S	21.8	S	S	S	–	–	–
100 to 499 lb	37.4	28.3	28.9	S	37.7	29.4	36.3	S	S	S
500 to 749 lb	48.7	29.6	37.2	S	48.8	30.0	30.1	–	–	–
750 to 999 lb	38.7	38.5	S	21.5	38.7	39.4	S	–	–	–
1,000 to 9,999 lb	19.2	17.4	26.3	23.0	21.6	18.8	27.4	49.8	33.2	32.6
10,000 to 49,999 lb	7.1	8.5	13.0	14.6	8.4	9.8	13.2	23.4	21.9	22.8
50,000 to 99,999 lb	36.6	44.8	30.6	22.1	41.6	49.2	33.8	29.5	25.1	25.0
100,000 lb or more	14.0	16.9	33.0	13.2	16.7	16.7	19.7	28.7	28.3	31.0
SCTG 13, Nonmetallic minerals n.e.c.	**12.6**	**11.1**	**14.5**	**14.0**	**15.3**	**17.8**	**19.7**	**27.6**	**29.0**	**28.2**
Less than 50 lb	S	46.8	S	17.4	S	41.1	44.3	S	S	S
50 to 99 lb	S	43.8	S	21.6	44.3	45.4	42.1	S	S	S
100 to 499 lb	S	40.9	S	20.0	S	46.4	S	S	47.8	47.7
500 to 749 lb	48.0	S	S	19.4	S	31.0	29.3	S	S	S
750 to 999 lb	S	46.4	S	19.2	S	28.3	39.2	S	S	S
1,000 to 9,999 lb	33.8	29.6	34.7	35.9	33.8	27.6	36.6	S	S	S
10,000 to 49,999 lb	22.0	15.6	13.7	14.4	26.8	21.7	26.2	23.3	23.4	22.6
50,000 to 99,999 lb	26.0	25.7	22.8	48.0	27.4	38.8	39.0	39.4	S	S
100,000 lb or more	10.1	14.6	18.4	13.3	19.3	22.7	23.1	33.5	33.6	33.9

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	**23.2**	**33.7**	**29.3**	**16.4**	**36.6**	**S**	**S**	**S**	**35.6**	**37.2**
Less than 50 lb	37.1	35.3	S	27.5	40.2	S	S	S	S	S
50 to 99 lb	48.8	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	49.1	S	45.9	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	31.2	43.7	37.5	S	S	S	S	S	S	S
10,000 to 49,999 lb	26.7	20.8	29.0	24.3	30.9	35.3	43.9	S	S	S
50,000 to 99,999 lb	S	S	S	34.5	S	S	S	S	S	S
100,000 lb or more	34.5	23.0	33.4	16.8	46.9	46.9	46.7	46.1	46.0	46.1
SCTG 15, Coal	**9.8**	**10.7**	**10.1**	**S**	**15.4**	**17.6**	**16.7**	**30.9**	**30.1**	**32.8**
Less than 50 lb	S	S	S	22.4	S	S	S	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	22.4	–	–	–	–	–	–
500 to 749 lb	S	S	S	22.9	S	S	S	–	–	–
750 to 999 lb	S	S	S	23.1	S	S	S	–	–	–
1,000 to 9,999 lb	S	31.5	47.2	43.8	S	S	S	S	S	S
10,000 to 49,999 lb	30.8	30.9	36.5	45.3	36.0	35.0	35.4	S	S	S
50,000 to 99,999 lb	43.6	S	46.9	S	44.6	S	S	S	S	S
100,000 lb or more	10.2	11.2	10.2	31.0	15.2	17.5	17.2	31.3	30.5	33.3
SCTG 17, Gasoline and aviation turbine fuel	**9.5**	**13.2**	**21.9**	**9.4**	**5.6**	**7.3**	**6.4**	**34.0**	**41.3**	**38.3**
Less than 50 lb	S	45.9	31.2	S	S	46.0	34.9	–	–	–
50 to 99 lb	S	32.0	22.6	S	S	32.0	22.6	–	–	–
100 to 499 lb	43.5	31.8	25.5	21.7	43.5	31.8	25.5	–	–	–
500 to 749 lb	35.8	39.4	42.8	18.3	36.0	39.6	44.4	S	S	S
750 to 999 lb	17.7	17.0	20.2	15.6	17.9	17.2	20.4	–	–	–
1,000 to 9,999 lb	14.3	16.9	26.9	14.2	14.4	18.4	15.9	23.1	46.9	45.9
10,000 to 49,999 lb	18.1	23.9	34.0	11.0	11.5	17.2	11.0	44.0	49.1	47.1
50,000 to 99,999 lb	10.0	13.4	20.6	12.7	6.1	7.0	7.8	34.6	43.0	41.0
100,000 lb or more	37.4	38.4	S	22.2	48.1	43.5	42.3	46.9	S	S
SCTG 18, Fuel oils	**12.5**	**13.0**	**17.1**	**12.3**	**13.4**	**14.2**	**13.9**	**21.5**	**21.7**	**21.0**
Less than 50 lb	S	36.8	39.2	18.8	S	36.8	39.2	–	–	–
50 to 99 lb	39.6	27.3	36.6	S	39.6	27.4	37.6	S	S	S
100 to 499 lb	40.8	21.1	25.8	12.2	41.1	21.6	28.4	S	S	S
500 to 749 lb	18.1	16.2	25.3	9.9	18.3	16.3	25.9	S	S	S
750 to 999 lb	18.3	21.3	17.7	36.8	18.4	21.3	18.5	–	–	–
1,000 to 9,999 lb	13.3	15.0	31.8	28.8	12.7	15.4	20.3	27.2	S	S
10,000 to 49,999 lb	10.3	10.1	20.0	10.9	9.6	8.0	14.4	36.2	35.1	36.6
50,000 to 99,999 lb	11.9	12.0	15.2	11.1	11.4	12.3	17.0	17.8	17.6	16.6
100,000 lb or more	S	S	38.8	27.7	S	S	46.9	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	**12.4**	**16.7**	**30.0**	**16.0**	**13.9**	**24.4**	**30.0**	**17.1**	**19.5**	**20.7**
Less than 50 lb	14.4	15.6	26.9	26.4	15.9	16.5	23.6	26.8	30.5	33.1
50 to 99 lb	21.4	20.5	20.1	30.9	22.6	22.6	20.3	46.7	47.5	47.8
100 to 499 lb	23.0	18.3	23.4	37.9	20.9	17.4	22.3	46.0	43.2	44.0
500 to 749 lb	18.8	16.7	19.7	S	20.4	18.4	21.1	S	46.7	49.6
750 to 999 lb	20.6	21.9	32.4	24.1	20.0	22.0	20.1	40.6	43.8	44.0
1,000 to 9,999 lb	17.4	18.6	22.0	18.0	18.5	19.6	17.1	43.5	46.7	47.8
10,000 to 49,999 lb	19.8	23.0	19.6	13.2	16.0	31.8	36.8	18.8	15.6	16.7
50,000 to 99,999 lb	26.6	26.4	33.1	12.4	41.9	37.4	39.9	34.9	41.1	44.0
100,000 lb or more	24.8	32.5	S	32.5	S	42.9	S	S	S	S
SCTG 20, Basic chemicals	**7.3**	**10.3**	**13.7**	**23.1**	**10.6**	**15.0**	**14.3**	**13.4**	**15.7**	**16.7**
Less than 50 lb	22.3	28.3	34.6	24.6	36.7	34.7	40.8	39.5	S	S
50 to 99 lb	21.8	32.3	35.8	31.9	25.0	40.4	S	37.1	46.5	48.5
100 to 499 lb	15.4	31.9	18.1	23.5	21.2	36.0	39.9	22.8	21.0	20.9
500 to 749 lb	19.1	27.4	29.3	28.9	24.2	35.8	46.3	24.0	19.6	18.8
750 to 999 lb	13.0	25.5	18.3	27.6	23.5	32.2	20.5	18.4	15.7	17.3
1,000 to 9,999 lb	13.1	10.9	13.3	10.9	16.6	13.0	17.6	25.0	18.3	18.2
10,000 to 49,999 lb	7.5	12.5	13.4	8.4	14.5	21.4	22.1	12.7	18.6	20.0
50,000 to 99,999 lb	21.0	21.1	26.3	16.9	22.9	24.9	28.0	S	S	S
100,000 lb or more	16.4	17.6	20.0	9.3	38.1	27.6	31.8	S	43.6	44.0
SCTG 21, Pharmaceutical products	**12.1**	**27.5**	**42.9**	**10.1**	**29.3**	**38.5**	**23.8**	**16.5**	**26.7**	**27.5**
Less than 50 lb	14.0	12.0	16.6	9.9	26.6	16.2	16.2	14.7	25.0	25.3
50 to 99 lb	17.0	13.7	32.2	12.7	27.3	25.6	24.9	18.3	22.8	21.9
100 to 499 lb	17.0	19.7	48.4	12.7	18.0	16.4	13.2	24.1	25.4	25.2
500 to 749 lb	38.0	27.1	47.6	15.0	30.1	25.0	33.2	S	46.4	47.0
750 to 999 lb	28.8	32.0	38.0	19.4	39.9	40.1	34.4	S	35.2	37.3
1,000 to 9,999 lb	19.3	17.9	26.9	12.2	41.6	18.6	26.3	37.5	42.5	43.1
10,000 to 49,999 lb	22.6	35.9	S	11.0	43.8	S	38.1	39.6	46.4	46.9
50,000 to 99,999 lb	S	S	S	23.6	S	S	S	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
SCTG 22, Fertilizers	**11.2**	**18.6**	**12.8**	**11.5**	**13.6**	**21.8**	**26.0**	**26.4**	**10.4**	**10.9**
Less than 50 lb	S	S	S	19.9	S	S	S	S	S	S
50 to 99 lb	S	30.4	29.5	36.9	27.1	38.0	44.4	S	S	S
100 to 499 lb	47.2	34.2	S	12.0	S	24.7	43.0	S	S	S
500 to 749 lb	27.9	28.2	29.4	26.5	27.8	32.2	26.3	33.1	S	S
750 to 999 lb	22.3	18.9	28.3	23.9	29.8	20.3	30.7	S	S	S
1,000 to 9,999 lb	22.1	20.8	31.5	13.8	17.8	22.0	21.6	48.1	37.3	36.9
10,000 to 49,999 lb	11.8	12.9	15.9	15.8	17.8	20.9	19.6	21.4	13.5	14.5
50,000 to 99,999 lb	24.1	19.2	15.4	16.3	33.3	23.4	28.0	18.8	17.4	18.1
100,000 lb or more	12.9	22.2	14.3	14.4	17.9	25.4	28.7	36.0	32.2	30.7
SCTG 23, Chemical products and preparations, n.e.c.	**5.2**	**7.8**	**13.2**	**15.3**	**8.4**	**10.4**	**9.8**	**11.0**	**15.3**	**14.1**
Less than 50 lb	17.9	18.0	19.3	15.4	22.5	21.5	16.6	21.6	23.0	24.9
50 to 99 lb	11.1	14.0	15.0	15.0	21.1	21.2	11.7	17.6	14.4	14.4
100 to 499 lb	9.5	32.5	9.3	16.3	16.4	46.6	21.6	18.0	12.5	14.0
500 to 749 lb	12.6	13.4	13.0	14.7	18.0	21.3	16.3	22.5	19.1	19.3
750 to 999 lb	15.9	23.7	19.1	14.5	23.6	37.8	20.6	28.1	24.6	25.1
1,000 to 9,999 lb	10.4	11.4	11.8	8.0	13.2	20.1	23.5	10.7	14.4	15.4
10,000 to 49,999 lb	7.1	9.3	9.5	6.6	11.2	12.6	12.6	16.6	17.8	16.2
50,000 to 99,999 lb	16.1	20.1	33.2	S	30.2	39.6	42.4	41.5	46.2	48.4
100,000 lb or more	25.5	28.6	42.4	12.2	S	S	S	S	45.6	40.7
SCTG 24, Plastics and rubber	**5.0**	**6.7**	**10.0**	**6.2**	**7.2**	**8.4**	**10.6**	**7.0**	**10.6**	**11.1**
Less than 50 lb	8.3	6.8	10.1	7.0	11.4	7.0	5.2	12.9	11.5	11.6
50 to 99 lb	6.7	6.0	9.6	8.3	8.3	8.2	7.8	9.9	6.9	7.5
100 to 499 lb	7.5	11.2	12.3	9.9	10.2	14.2	10.7	16.5	11.9	10.2
500 to 749 lb	10.0	15.2	14.9	11.2	16.8	26.1	17.1	15.3	16.6	15.9
750 to 999 lb	9.2	9.7	12.8	8.5	17.7	13.7	13.0	21.3	23.6	22.3
1,000 to 9,999 lb	6.1	6.1	5.6	5.8	10.0	11.6	11.6	11.0	12.4	11.9
10,000 to 49,999 lb	9.2	10.9	13.9	4.0	13.1	17.5	21.1	13.1	16.5	17.9
50,000 to 99,999 lb	26.7	28.6	21.6	36.0	35.0	39.5	43.8	S	S	S
100,000 lb or more	25.9	19.3	22.3	18.6	39.0	34.2	31.7	S	S	S
SCTG 25, Logs and other wood in the rough	**14.9**	**23.0**	**30.7**	**7.9**	**15.5**	**20.5**	**17.1**	**34.5**	**S**	**S**
Less than 50 lb	S	S	S	31.8	S	S	S	–	–	–
50 to 99 lb	S	S	S	22.4	S	S	S	–	–	–
100 to 499 lb	S	48.4	S	44.7	S	43.7	48.1	–	–	–
500 to 749 lb	S	S	S	29.6	S	49.9	S	S	S	S
750 to 999 lb	S	S	S	21.6	S	S	S	–	–	–
1,000 to 9,999 lb	S	27.7	30.0	S	32.9	30.3	45.5	S	42.0	37.8
10,000 to 49,999 lb	14.9	20.8	27.3	11.8	18.6	20.9	18.5	24.3	38.2	37.3
50,000 to 99,999 lb	19.8	28.4	38.4	7.1	21.5	25.9	22.5	45.0	S	S
100,000 lb or more	29.0	31.5	46.0	S	40.6	46.7	41.4	37.7	40.2	38.7
SCTG 26, Wood products	**5.7**	**15.3**	**10.9**	**10.4**	**6.4**	**18.9**	**19.4**	**6.2**	**30.3**	**30.2**
Less than 50 lb	20.3	20.6	29.8	11.8	14.3	12.2	15.3	22.4	23.7	23.7
50 to 99 lb	22.1	17.7	38.6	14.1	11.5	9.9	12.5	17.5	17.1	17.0
100 to 499 lb	13.6	10.1	16.9	11.4	14.2	8.6	10.9	11.9	11.2	11.4
500 to 749 lb	14.0	13.2	18.4	12.8	19.5	19.7	18.8	33.8	15.3	14.6
750 to 999 lb	16.0	24.3	21.7	20.7	21.8	34.8	19.2	22.9	22.0	23.6
1,000 to 9,999 lb	6.9	11.2	9.0	13.7	10.6	16.0	11.3	10.1	8.9	9.3
10,000 to 49,999 lb	10.7	12.0	13.4	5.6	7.5	23.7	13.4	9.2	10.2	10.2
50,000 to 99,999 lb	10.8	38.3	23.6	14.3	14.4	41.6	39.0	16.4	S	S
100,000 lb or more	18.4	15.2	11.5	10.5	S	42.0	S	25.8	28.6	26.1
SCTG 27, Pulp, newsprint, paper, and paperboard	**6.9**	**6.5**	**8.3**	**15.0**	**9.4**	**8.4**	**9.5**	**9.4**	**10.8**	**11.7**
Less than 50 lb	13.1	13.7	17.4	29.0	14.2	15.4	19.8	21.0	26.8	23.7
50 to 99 lb	12.6	15.0	30.2	41.8	14.0	15.8	19.0	39.1	S	S
100 to 499 lb	14.1	15.4	29.2	20.2	19.8	17.9	18.1	28.3	20.0	20.7
500 to 749 lb	16.5	15.4	24.7	15.1	25.2	19.7	16.1	34.2	14.1	15.0
750 to 999 lb	13.4	13.4	16.8	13.6	18.3	16.4	20.4	26.0	22.8	24.0
1,000 to 9,999 lb	9.7	12.5	12.1	11.1	14.3	18.3	18.2	13.5	13.8	14.2
10,000 to 49,999 lb	8.4	7.2	9.5	5.6	14.7	12.0	11.2	16.9	15.3	17.4
50,000 to 99,999 lb	17.5	15.7	16.3	15.5	32.1	33.8	45.7	43.5	35.0	35.8
100,000 lb or more	9.7	8.8	10.7	3.7	25.6	25.9	33.0	22.7	22.5	22.6
SCTG 28, Paper or paperboard articles	**6.9**	**6.6**	**11.0**	**10.9**	**5.9**	**6.9**	**8.2**	**8.2**	**12.6**	**12.3**
Less than 50 lb	14.2	8.2	18.0	13.5	18.7	9.8	12.7	18.1	14.1	14.2
50 to 99 lb	13.5	12.8	21.5	14.6	14.3	11.8	13.9	33.9	28.6	33.4
100 to 499 lb	9.7	9.6	13.2	12.8	10.7	10.1	11.5	13.3	15.4	15.5
500 to 749 lb	19.3	15.0	28.6	10.9	12.9	10.7	11.5	19.9	16.5	15.8
750 to 999 lb	14.9	14.3	19.4	13.9	17.7	17.1	22.6	42.1	28.0	29.4
1,000 to 9,999 lb	6.9	8.1	10.5	7.1	8.7	9.4	11.5	12.8	10.2	10.4
10,000 to 49,999 lb	10.3	7.9	10.5	6.4	10.5	10.7	11.9	11.3	15.9	15.6
50,000 to 99,999 lb	38.8	29.1	40.5	37.9	S	S	47.1	S	S	S
100,000 lb or more	33.3	32.9	35.5	18.0	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**5.9**	**11.9**	**11.8**	**9.4**	**9.2**	**16.4**	**15.5**	**6.9**	**14.4**	**14.7**
Less than 50 lb	12.5	12.0	18.9	8.3	15.8	17.9	16.6	21.0	19.5	20.8
50 to 99 lb	12.7	12.6	12.4	14.2	14.7	16.0	20.1	22.3	24.0	27.8
100 to 499 lb	25.1	15.7	27.7	15.6	38.2	19.1	16.1	13.8	14.5	14.2
500 to 749 lb	15.7	17.4	18.9	25.7	20.5	24.7	18.6	33.2	20.1	19.3
750 to 999 lb	18.8	23.5	10.8	17.6	25.1	29.8	27.2	48.1	24.4	22.8
1,000 to 9,999 lb	7.7	11.7	11.1	17.2	9.9	13.3	13.3	14.1	20.1	21.8
10,000 to 49,999 lb	9.3	19.3	18.8	18.6	17.2	29.8	24.5	16.9	20.6	20.2
50,000 to 99,999 lb	27.1	41.0	40.4	S	35.4	46.5	46.0	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	**14.9**	**4.8**	**9.1**	**3.0**	**18.9**	**8.0**	**9.6**	**S**	**8.8**	**8.8**
Less than 50 lb	6.2	5.4	6.7	3.3	11.6	10.4	8.2	20.8	10.1	10.3
50 to 99 lb	8.5	7.4	9.5	3.5	14.6	10.0	9.6	13.8	17.2	17.9
100 to 499 lb	4.2	5.7	6.3	3.6	10.4	6.7	9.3	11.1	13.6	12.6
500 to 749 lb	5.8	9.4	12.7	5.2	14.3	22.1	32.3	19.3	33.2	36.6
750 to 999 lb	15.6	9.9	11.2	5.2	11.3	12.0	11.8	20.6	16.5	18.0
1,000 to 9,999 lb	37.0	8.2	9.5	3.5	43.6	13.3	11.2	S	28.9	29.8
10,000 to 49,999 lb	5.3	5.9	13.9	4.9	8.0	9.5	12.7	7.3	8.3	8.4
50,000 to 99,999 lb	38.4	28.0	36.8	23.5	25.1	24.1	28.6	36.0	41.5	41.8
100,000 lb or more	21.4	27.1	42.9	18.1	39.1	38.9	S	S	S	S
SCTG 31, Nonmetallic mineral products	**6.9**	**7.7**	**7.4**	**9.8**	**7.2**	**9.3**	**10.8**	**7.9**	**16.4**	**15.6**
Less than 50 lb	15.7	11.6	21.1	9.3	13.7	14.3	15.8	30.3	23.2	26.1
50 to 99 lb	17.6	15.1	17.8	16.4	18.5	14.6	17.3	45.2	41.5	39.3
100 to 499 lb	10.8	9.4	15.7	14.4	15.9	13.4	14.5	23.0	22.6	20.9
500 to 749 lb	16.7	15.2	21.2	16.5	22.4	20.1	15.5	28.2	20.0	20.6
750 to 999 lb	27.0	24.5	33.0	22.9	24.7	27.5	24.3	37.6	37.9	39.9
1,000 to 9,999 lb	22.4	10.7	9.7	10.1	15.2	12.1	17.6	11.3	15.9	16.8
10,000 to 49,999 lb	5.0	8.6	7.9	10.8	9.6	9.9	11.9	9.8	22.7	21.4
50,000 to 99,999 lb	15.6	17.6	15.6	5.3	19.2	18.3	22.7	18.9	21.9	20.5
100,000 lb or more	29.5	16.2	24.3	29.1	41.6	24.3	29.1	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**6.5**	**14.9**	**12.1**	**10.4**	**7.8**	**15.7**	**26.7**	**14.5**	**26.1**	**27.1**
Less than 50 lb	18.7	9.3	23.3	14.9	18.6	11.0	11.6	25.1	15.6	15.6
50 to 99 lb	13.6	11.8	23.6	20.1	16.4	14.0	11.8	26.8	27.3	31.7
100 to 499 lb	9.3	10.9	8.5	9.4	11.5	14.9	16.0	19.7	16.5	17.4
500 to 749 lb	8.1	10.2	12.3	12.4	15.0	13.6	13.7	23.5	17.1	17.3
750 to 999 lb	15.6	12.0	12.3	11.3	12.9	16.1	18.0	37.6	27.5	27.5
1,000 to 9,999 lb	9.1	9.3	18.3	7.9	12.1	14.6	14.3	15.2	13.4	13.1
10,000 to 49,999 lb	7.0	14.2	10.0	8.4	12.0	21.3	35.2	18.2	31.0	32.5
50,000 to 99,999 lb	18.1	20.8	42.8	14.6	27.6	30.0	30.0	34.5	42.4	44.1
100,000 lb or more	20.1	33.7	24.6	13.7	41.2	38.7	41.6	42.3	44.7	47.4
SCTG 33, Articles of base metal	**5.5**	**5.8**	**9.4**	**8.7**	**5.7**	**10.0**	**7.6**	**9.5**	**12.5**	**11.6**
Less than 50 lb	14.3	12.0	13.8	10.6	14.6	16.0	13.6	18.6	14.8	14.4
50 to 99 lb	13.0	9.7	13.4	10.9	13.0	8.0	8.5	17.5	22.7	19.5
100 to 499 lb	7.7	5.9	8.7	10.2	8.5	8.4	8.7	13.9	11.8	11.4
500 to 749 lb	6.4	6.6	6.2	7.0	14.1	9.5	9.3	22.9	17.8	18.9
750 to 999 lb	10.7	8.4	13.1	9.2	12.2	13.4	13.7	34.1	12.4	13.4
1,000 to 9,999 lb	4.4	5.5	7.0	5.9	7.2	8.6	11.3	11.1	11.5	10.7
10,000 to 49,999 lb	7.3	7.1	10.1	8.9	15.3	16.1	11.2	17.2	16.2	13.9
50,000 to 99,999 lb	17.2	24.9	42.5	22.1	29.2	S	36.9	49.0	S	49.8
100,000 lb or more	33.0	27.2	S	18.1	S	S	S	S	S	S
SCTG 34, Machinery	**7.4**	**5.6**	**8.6**	**6.6**	**8.9**	**7.4**	**6.8**	**17.4**	**12.6**	**12.7**
Less than 50 lb	10.1	13.4	12.0	8.0	10.9	16.6	19.1	22.2	16.8	17.6
50 to 99 lb	12.9	19.4	24.9	8.9	11.9	13.1	15.4	30.7	23.3	23.8
100 to 499 lb	8.1	11.2	7.4	6.6	12.6	17.6	17.1	15.7	11.8	13.3
500 to 749 lb	12.7	7.8	9.6	10.5	15.0	17.2	23.9	19.7	23.4	22.3
750 to 999 lb	8.5	8.4	13.0	8.5	21.3	17.6	18.3	29.1	31.3	33.9
1,000 to 9,999 lb	10.5	5.6	7.3	4.4	12.7	13.7	9.6	9.6	17.0	16.5
10,000 to 49,999 lb	9.1	8.2	10.9	6.0	22.3	19.0	19.7	15.5	15.1	15.6
50,000 to 99,999 lb	S	27.8	34.7	12.6	S	48.9	S	S	48.3	49.6
100,000 lb or more	S	32.8	34.8	21.4	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**11.1**	**11.6**	**14.4**	**6.9**	**12.8**	**20.6**	**21.9**	**9.6**	**11.5**	**10.5**
Less than 50 lb	7.0	5.8	10.3	7.3	11.2	8.2	8.3	16.6	11.5	10.7
50 to 99 lb	13.3	7.0	9.9	7.4	38.1	8.3	9.0	15.4	13.5	14.3
100 to 499 lb	10.3	7.6	11.0	8.4	25.3	9.5	11.0	14.9	25.0	24.1
500 to 749 lb	10.3	7.1	10.5	9.0	18.9	12.0	12.6	28.3	24.7	27.2
750 to 999 lb	16.8	13.3	17.4	10.4	20.2	20.6	33.9	40.0	S	S
1,000 to 9,999 lb	33.1	10.7	13.4	6.3	16.2	14.8	11.9	28.2	15.9	16.3
10,000 to 49,999 lb	12.4	16.3	22.5	4.8	19.8	16.1	21.7	27.6	13.9	13.1
50,000 to 99,999 lb	31.1	32.8	S	20.2	S	S	S	S	S	S
100,000 lb or more	34.7	S	33.0	S	S	S	S	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**7.4**	**7.5**	**8.0**	**9.5**	**15.5**	**15.6**	**21.5**	**18.3**	**14.8**	**13.7**
Less than 50 lb	10.9	9.0	10.8	10.9	13.7	14.4	18.0	10.1	10.7	10.3
50 to 99 lb	10.5	12.4	11.5	14.2	21.9	24.1	27.5	27.5	24.6	23.6
100 to 499 lb	9.9	7.4	12.1	9.6	14.3	14.9	13.4	19.4	14.8	15.6
500 to 749 lb	19.0	11.2	24.5	12.0	30.9	14.2	17.0	45.0	19.4	21.6
750 to 999 lb	22.7	24.1	23.0	18.5	43.7	39.9	S	S	S	S
1,000 to 9,999 lb	11.5	9.1	11.8	9.7	18.4	15.1	19.6	28.7	19.8	20.7
10,000 to 49,999 lb	12.2	10.4	8.5	9.4	32.1	25.5	33.0	15.6	24.4	23.5
50,000 to 99,999 lb	S	34.1	43.0	15.8	S	S	39.3	46.7	48.7	48.0
100,000 lb or more	S	38.8	S	18.6	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**17.8**	**19.3**	**18.4**	**8.7**	**40.4**	**S**	**S**	**27.8**	**29.3**	**31.3**
Less than 50 lb	25.2	17.3	19.6	10.0	33.7	S	S	23.9	49.6	46.1
50 to 99 lb	34.2	18.6	23.3	9.3	40.9	S	47.0	S	45.2	43.4
100 to 499 lb	20.0	20.7	20.2	8.2	42.0	39.5	S	S	35.0	35.9
500 to 749 lb	33.5	22.1	18.4	13.7	S	46.2	S	–	–	–
750 to 999 lb	21.8	18.4	25.4	14.6	S	48.3	S	S	S	S
1,000 to 9,999 lb	30.1	16.2	14.3	11.7	S	24.4	41.6	48.5	36.1	39.6
10,000 to 49,999 lb	35.1	38.3	20.6	14.1	27.2	S	S	31.8	32.6	31.7
50,000 to 99,999 lb	S	S	S	20.7	–	–	–	–	–	–
100,000 lb or more	44.3	44.5	45.4	20.3	S	S	S	–	–	–
SCTG 38, Precision instruments and apparatus	**7.4**	**22.5**	**23.9**	**9.6**	**12.2**	**17.3**	**19.8**	**15.9**	**S**	**S**
Less than 50 lb	14.5	12.8	20.0	9.6	18.4	19.2	19.4	19.9	28.1	28.6
50 to 99 lb	26.1	27.0	37.2	10.1	28.1	26.8	31.7	38.3	42.4	42.2
100 to 499 lb	9.5	11.4	17.2	11.5	21.6	19.3	19.5	32.1	22.0	22.1
500 to 749 lb	17.1	14.5	17.7	11.2	34.2	25.0	31.2	S	S	S
750 to 999 lb	25.2	29.1	33.1	13.1	S	35.5	40.9	49.7	S	S
1,000 to 9,999 lb	22.6	23.7	48.5	14.5	28.1	32.5	38.3	35.5	35.2	34.2
10,000 to 49,999 lb	25.8	S	42.0	20.3	45.9	37.7	38.0	42.6	S	S
50,000 to 99,999 lb	S	S	S	22.4	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**4.6**	**6.8**	**6.9**	**5.3**	**9.6**	**10.4**	**9.7**	**8.9**	**17.7**	**15.4**
Less than 50 lb	13.6	9.5	17.1	11.4	26.8	21.1	20.8	30.9	23.6	24.0
50 to 99 lb	9.4	7.3	10.3	5.9	25.2	15.4	14.7	36.1	16.5	18.2
100 to 499 lb	5.9	5.7	6.0	4.4	13.4	12.2	16.9	7.6	8.2	8.6
500 to 749 lb	8.3	8.6	8.8	6.4	16.9	14.9	13.4	11.4	10.4	10.3
750 to 999 lb	9.7	10.6	11.2	7.1	14.4	14.5	14.5	17.1	17.3	16.5
1,000 to 9,999 lb	7.8	10.2	8.4	5.9	13.7	15.7	15.3	15.8	18.2	17.6
10,000 to 49,999 lb	10.8	12.5	14.6	8.1	24.2	23.4	27.5	17.2	31.0	27.4
50,000 to 99,999 lb	44.1	38.5	S	22.0	S	S	S	S	S	S
100,000 lb or more	49.5	S	S	24.2	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**12.2**	**12.4**	**12.6**	**6.1**	**8.3**	**24.5**	**22.5**	**19.2**	**18.5**	**18.1**
Less than 50 lb	8.1	7.6	12.3	6.1	8.5	8.3	7.9	13.2	15.5	16.3
50 to 99 lb	10.1	10.0	14.5	6.6	11.9	10.1	13.5	15.5	17.3	17.3
100 to 499 lb	7.6	6.2	9.8	7.3	15.0	11.1	11.0	12.5	19.1	22.9
500 to 749 lb	11.5	6.7	18.2	13.5	15.1	11.7	14.5	20.8	22.7	21.5
750 to 999 lb	9.3	9.3	15.8	13.1	18.7	20.7	17.2	18.6	19.7	18.3
1,000 to 9,999 lb	8.6	11.1	9.5	10.2	14.5	20.8	19.5	14.2	18.6	18.7
10,000 to 49,999 lb	28.8	17.0	20.8	15.0	15.2	35.8	28.7	43.7	11.4	11.4
50,000 to 99,999 lb	29.7	35.9	22.4	39.8	S	48.0	S	35.4	43.0	43.1
100,000 lb or more	S	36.8	44.0	15.2	S	S	S	S	S	S
SCTG 41, Waste and scrap	**13.1**	**12.6**	**15.9**	**13.7**	**35.3**	**17.3**	**25.6**	**16.4**	**18.6**	**18.5**
Less than 50 lb	S	S	49.8	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	30.2	49.2	23.7	S	45.4	S	S	S	S
500 to 749 lb	S	S	49.4	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	47.2	31.5	S	S	49.7	47.5	S	S	S
10,000 to 49,999 lb	11.0	14.3	19.3	10.2	30.1	19.8	31.8	18.5	19.1	19.2
50,000 to 99,999 lb	32.7	23.8	23.7	28.4	S	30.3	25.0	31.5	39.9	39.3
100,000 lb or more	19.2	16.5	21.2	12.3	S	S	S	S	S	48.2
SCTG 43, Mixed freight	**22.0**	**24.7**	**17.1**	**12.5**	**25.1**	**31.4**	**33.2**	**23.1**	**25.3**	**24.5**
Less than 50 lb	27.0	33.8	S	19.8	31.5	19.5	21.1	31.7	40.7	41.6
50 to 99 lb	23.3	28.1	S	17.9	28.8	27.6	21.0	32.2	36.7	36.0
100 to 499 lb	13.4	15.2	30.0	13.3	14.9	15.2	14.9	20.0	28.2	28.6
500 to 749 lb	11.9	15.4	18.8	11.6	18.8	17.0	16.4	29.4	29.4	29.8
750 to 999 lb	11.1	14.4	22.4	18.3	17.4	20.1	23.9	26.1	17.0	17.7
1,000 to 9,999 lb	10.3	9.5	22.7	13.6	13.2	13.5	12.8	13.3	11.9	12.4
10,000 to 49,999 lb	30.5	31.9	22.7	24.4	34.3	38.6	40.1	33.7	33.2	32.0
50,000 to 99,999 lb	45.0	47.6	S	25.2	S	S	49.1	S	S	S
100,000 lb or more	S	45.8	S	20.7	S	49.5	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**15.3**	**17.5**	**23.1**	**24.5**	**16.2**	**26.8**	**24.6**	**26.3**	**29.7**	**29.5**
Less than 50 lb	20.0	17.7	19.7	15.0	38.5	31.3	15.7	S	37.8	37.8
50 to 99 lb	19.8	28.5	47.5	S	41.1	42.1	40.0	45.6	S	S
100 to 499 lb	19.1	26.8	42.8	14.7	24.6	37.8	26.8	42.6	S	S
500 to 749 lb	S	47.9	22.2	45.0	S	S	S	S	S	S
750 to 999 lb	34.9	29.9	25.7	40.8	S	37.8	40.0	S	S	S
1,000 to 9,999 lb	20.8	27.0	19.3	22.4	25.9	27.6	25.3	S	40.1	39.0
10,000 to 49,999 lb	26.7	22.3	22.1	25.6	29.9	27.9	30.0	41.4	36.8	36.2
50,000 to 99,999 lb	36.7	43.7	32.2	43.8	41.7	S	47.2	S	S	S
100,000 lb or more	S	46.5	S	25.0	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	**4.4**	**7.1**	**8.4**	**4.7**	**7.8**	**7.8**	**2.9**	**5.6**	**6.6**	**2.9**	**5.5**	**5.9**
Less than 50 lb	4.8	6.1	6.2	4.9	4.3	3.8	5.3	3.6	3.5	5.8	5.9	5.9
50 to 99 lb	9.0	8.0	7.6	6.1	7.8	7.4	9.6	6.7	6.3	15.4	8.8	8.2
100 to 499 lb	5.4	4.7	5.0	5.9	5.7	5.0	4.6	2.9	2.8	5.8	4.2	4.4
500 to 749 lb	10.2	5.9	5.9	7.8	5.1	4.7	10.3	8.5	8.2	8.3	8.1	8.0
750 to 999 lb	4.9	6.9	7.3	9.2	4.3	4.0	9.5	6.3	6.1	24.9	7.0	6.9
1,000 to 9,999 lb	12.6	4.4	4.3	17.4	3.6	3.7	8.4	4.7	4.8	7.8	5.4	5.5
10,000 to 49,999 lb	8.7	4.6	4.2	3.4	4.1	4.3	4.2	4.4	4.2	5.5	7.4	8.0
50,000 to 99,999 lb	8.4	11.3	11.3	19.7	11.1	12.7	48.1	19.5	17.8	23.5	27.1	27.3
100,000 lb or more	12.5	13.7	14.5	8.6	12.7	11.9	12.5	12.3	13.6	14.4	11.5	11.5
SCTG 01, Live animals and live fish	**S**	**S**	**S**	**45.2**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	49.7	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	49.6	S	S	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	S	S	S	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	49.8	–	–	–	–	–	–
10,000 to 49,999 lb	S	S	S	39.5	35.4	36.3	S	S	S	–	–	–
50,000 to 99,999 lb	S	48.1	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	S	S	S	S	S	S	–	–	–
SCTG 02, Cereal grains	**22.4**	**23.3**	**26.3**	**42.1**	**45.6**	**42.0**	**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	–	–	–	–	–	–	–	–	–
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	32.3	32.9	33.4	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	31.0	32.1	30.5	S	S	S	–	–	–	–	–	–
100,000 lb or more	37.2	37.4	39.0	43.3	47.3	43.2	S	S	S	S	S	S
SCTG 03, Other agricultural products	**14.7**	**15.3**	**16.5**	**12.1**	**30.3**	**29.8**	**16.8**	**23.7**	**25.0**	**26.8**	**S**	**S**
Less than 50 lb	48.7	S	S	45.4	S	S	31.8	S	S	40.6	S	S
50 to 99 lb	S	S	S	45.1	S	S	31.0	24.6	24.5	46.1	33.2	32.2
100 to 499 lb	22.4	24.1	22.5	43.3	34.1	35.3	18.4	21.8	21.4	18.3	18.3	18.6
500 to 749 lb	30.5	27.8	26.1	38.6	39.1	38.9	S	S	S	35.0	40.2	40.8
750 to 999 lb	33.3	41.8	48.8	S	S	S	46.9	48.1	46.5	S	S	S
1,000 to 9,999 lb	20.8	34.8	33.1	29.7	29.3	30.0	21.4	34.0	34.1	31.0	33.5	33.9
10,000 to 49,999 lb	19.8	24.0	26.4	14.9	38.5	38.4	22.0	28.6	30.3	15.1	24.5	24.2
50,000 to 99,999 lb	48.7	37.6	39.1	S	45.0	43.1	S	S	S	S	S	S
100,000 lb or more	49.7	30.7	31.8	37.6	31.5	25.9	S	41.8	43.5	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**21.2**	**15.9**	**17.0**	**19.4**	**17.2**	**17.5**	**19.1**	**20.7**	**21.1**	**S**	**40.6**	**42.0**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	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	S	S	S
1,000 to 9,999 lb	49.6	43.9	43.6	S	44.2	45.3	S	S	S	S	S	S
10,000 to 49,999 lb	21.4	18.1	19.0	23.8	19.8	19.4	19.8	26.2	26.2	S	37.3	39.2
50,000 to 99,999 lb	27.6	26.4	28.1	25.6	26.6	30.0	36.4	31.7	33.7	40.5	42.9	44.1
100,000 lb or more	S	47.1	S	38.9	36.6	36.0	S	S	S	S	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**9.0**	**9.3**	**9.4**	**7.2**	**8.4**	**8.3**	**9.5**	**10.4**	**10.4**	**19.6**	**13.7**	**13.6**
Less than 50 lb	47.8	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	49.9	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	31.0	34.8	31.9	S	S	S	46.3	40.6	40.5	S	44.5	45.7
500 to 749 lb	24.9	20.8	21.1	34.6	32.3	28.8	40.1	46.9	S	33.7	34.3	34.1
750 to 999 lb	24.1	22.1	22.2	31.2	42.7	37.1	34.6	48.5	S	S	S	S
1,000 to 9,999 lb	13.6	14.7	14.9	12.7	14.8	15.2	24.4	23.3	24.5	24.6	16.6	16.8
10,000 to 49,999 lb	11.2	11.0	11.1	8.7	8.6	8.4	10.6	11.1	11.2	19.8	15.6	15.5
50,000 to 99,999 lb	44.8	39.5	30.6	S	S	S	S	48.3	48.9	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	–	–	–
SCTG 06, Milled grain products and preparations, and bakery products	**11.0**	**10.1**	**10.9**	**14.1**	**14.2**	**14.7**	**17.0**	**15.0**	**15.3**	**14.8**	**14.1**	**14.7**
Less than 50 lb	S	S	S	46.9	36.5	37.8	49.5	S	S	49.3	38.0	37.7
50 to 99 lb	S	S	S	S	S	S	S	47.9	47.4	S	S	S
100 to 499 lb	37.7	23.9	24.5	27.4	26.2	26.1	38.1	46.8	46.6	46.6	38.5	38.8
500 to 749 lb	32.5	29.6	31.3	43.9	41.9	40.6	38.3	39.2	36.5	S	S	S
750 to 999 lb	43.2	32.8	33.8	S	S	S	46.6	47.6	47.5	S	S	S
1,000 to 9,999 lb	17.4	24.9	22.0	18.8	20.8	19.9	39.6	34.6	34.1	26.0	27.1	26.2
10,000 to 49,999 lb	13.8	11.2	12.4	17.7	16.6	17.3	17.7	16.6	16.9	17.3	15.9	16.5
50,000 to 99,999 lb	48.7	46.4	40.7	S	46.1	46.1	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 07, Other prepared foodstuffs and fats and oils	**8.9**	**13.2**	**13.3**	**11.8**	**13.4**	**12.7**	**17.5**	**28.2**	**28.3**	**16.2**	**25.1**	**24.9**
Less than 50 lb	40.1	39.9	40.7	33.6	35.1	33.5	28.9	30.6	30.6	S	43.8	44.2
50 to 99 lb	41.6	37.9	38.3	27.6	30.7	28.2	S	S	S	S	S	S
100 to 499 lb	24.3	24.1	23.1	33.8	35.2	34.6	35.1	40.0	40.9	S	S	S
500 to 749 lb	17.0	21.9	22.2	23.8	25.8	26.2	31.3	30.5	30.6	47.0	44.9	44.8
750 to 999 lb	19.1	20.4	19.9	28.4	28.1	29.5	39.4	37.0	34.8	S	S	S
1,000 to 9,999 lb	17.5	17.7	19.0	16.0	21.3	20.8	34.4	34.5	34.4	30.1	22.4	22.7
10,000 to 49,999 lb	12.5	13.9	14.3	17.3	18.5	18.3	14.1	18.0	17.9	18.3	18.1	18.7
50,000 to 99,999 lb	S	S	S	34.1	46.1	41.6	S	S	S	S	S	S
100,000 lb or more	30.9	28.8	35.5	27.9	28.1	27.4	S	S	S	S	S	S
SCTG 08, Alcoholic beverages	**14.3**	**16.3**	**16.2**	**20.4**	**20.1**	**20.3**	**30.3**	**30.5**	**32.1**	**47.5**	**47.0**	**46.8**
Less than 50 lb	30.0	27.6	27.2	S	S	S	S	S	S	–	–	–
50 to 99 lb	33.6	30.2	32.4	S	S	S	S	S	S	–	–	–
100 to 499 lb	22.3	20.9	21.1	S	S	S	–	–	–	–	–	–
500 to 749 lb	36.5	28.6	30.5	S	S	S	–	–	–	–	–	–
750 to 999 lb	40.0	39.7	37.7	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	24.6	19.8	19.7	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	19.3	18.5	18.9	20.9	20.8	21.2	30.5	30.6	32.2	47.5	47.0	46.8
50,000 to 99,999 lb	42.2	38.7	36.1	41.4	41.0	41.0	–	–	–	–	–	–
100,000 lb or more	S	46.3	47.1	S	S	S	–	–	–	–	–	–
SCTG 09, Tobacco products	**26.1**	**25.8**	**23.4**	**31.1**	**26.0**	**26.3**	**26.8**	**24.8**	**25.0**	**32.9**	**31.8**	**32.0**
Less than 50 lb	46.4	29.6	27.9	37.7	35.1	36.8	S	35.2	38.0	32.6	38.8	39.3
50 to 99 lb	38.4	29.0	24.2	31.0	27.8	25.3	34.4	32.8	31.6	46.9	38.6	38.2
100 to 499 lb	37.4	37.3	39.9	29.7	25.3	24.8	28.7	28.8	28.8	48.0	46.5	46.7
500 to 749 lb	44.4	37.5	39.2	42.6	38.7	37.2	46.5	43.3	43.3	S	47.3	47.4
750 to 999 lb	S	S	S	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	25.5	32.8	29.1	35.1	32.4	31.8	32.6	30.4	31.2	42.4	43.2	42.3
10,000 to 49,999 lb	36.9	24.2	21.7	32.2	27.6	27.8	29.6	29.4	29.7	37.2	38.3	38.4
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 10, Monumental or building stone	**S**	**48.8**	**47.3**	**27.5**	**37.1**	**35.7**	**27.7**	**22.9**	**22.3**	**26.5**	**33.9**	**33.2**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	–	–	–
100 to 499 lb	S	S	S	46.5	32.2	31.5	37.4	34.8	34.6	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	37.3	35.9	36.4	S	S	S	S	S	S
1,000 to 9,999 lb	39.6	42.5	46.2	S	36.5	36.7	31.6	25.5	25.3	38.0	39.1	39.6
10,000 to 49,999 lb	S	S	48.3	32.9	40.9	40.1	37.3	28.9	28.5	48.5	44.1	43.3
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	S	S	S	–	–	–
SCTG 11, Natural sands	**26.2**	**20.3**	**21.7**	**31.7**	**33.8**	**35.3**	**44.4**	**34.5**	**34.0**	**44.4**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	S	S	S	S	S	S	–	–	–	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	47.3	S	S	S	S	46.8	46.8	S	S	S
10,000 to 49,999 lb	42.8	23.0	25.1	34.1	27.9	29.5	46.4	41.4	41.0	35.7	34.8	34.8
50,000 to 99,999 lb	25.5	39.0	33.7	43.6	S	S	S	S	S	–	–	–
100,000 lb or more	27.4	26.7	27.0	S	37.0	38.6	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	**17.2**	**19.8**	**20.8**	**29.5**	**38.4**	**39.0**	**40.8**	**S**	**S**	**37.9**	**37.2**	**37.3**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	S	S	S	–	–	–
500 to 749 lb	–	–	–	–	–	–	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	23.3	27.7	25.6	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	21.6	23.3	24.0	40.3	S	S	41.2	38.8	39.2	43.4	44.3	44.5
50,000 to 99,999 lb	35.8	37.4	42.8	46.0	S	S	S	S	S	47.1	46.1	46.1
100,000 lb or more	27.5	34.9	32.6	49.2	S	S	S	S	S	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	**17.5**	**17.0**	**21.0**	**44.5**	**18.1**	**17.6**	**14.4**	**12.2**	**12.3**	**12.9**	**21.8**	**22.0**
Less than 50 lb	48.8	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	47.1	47.6	48.8	42.8	46.2	44.0	S	43.9	42.4	43.3	44.9	45.5
10,000 to 49,999 lb	21.3	23.0	23.5	S	25.5	25.3	17.5	15.0	15.1	21.0	19.2	19.0
50,000 to 99,999 lb	38.6	35.6	42.0	S	34.0	34.7	36.3	23.9	25.5	S	S	S
100,000 lb or more	16.6	17.3	21.3	18.9	18.9	19.1	21.7	14.6	14.5	20.6	26.8	26.2

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 14, Metallic ores and concentrates	**35.3**	**30.5**	**32.0**	**31.6**	**30.4**	**31.6**	**42.7**	**50.0**	**S**	**S**	**33.8**	**33.9**
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	–	–	–	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	45.3	31.4	29.4	30.3	23.1	24.6	33.4	S	S	S	36.5	35.0
50,000 to 99,999 lb	42.1	46.3	44.0	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	41.8	43.8	S	47.6	47.3	S	49.2	S	S	S	S
SCTG 15, Coal	**17.4**	**18.4**	**18.1**	**14.1**	**15.2**	**14.3**	**26.4**	**26.1**	**27.7**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
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	48.3	48.1	47.3	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	17.5	18.4	18.1	14.1	15.2	14.3	26.4	26.1	27.7	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	**21.2**	**25.0**	**25.2**	**35.3**	**34.2**	**38.7**	**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	S	S	S	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	34.6	47.1	44.5	S	48.3	47.8	–	–	–	–	–	–
10,000 to 49,999 lb	36.2	37.8	36.1	45.2	43.2	49.5	S	S	S	S	S	S
50,000 to 99,999 lb	23.8	28.2	27.5	37.4	36.0	42.0	S	S	S	–	–	–
100,000 lb or more	S	49.3	49.3	S	S	S	–	–	–	–	–	–
SCTG 18, Fuel oils	**26.5**	**24.7**	**24.7**	**42.8**	**43.1**	**49.9**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
10,000 to 49,999 lb	27.4	27.8	28.2	45.9	46.6	S	–	–	–	S	S	S
50,000 to 99,999 lb	25.9	25.3	26.2	40.8	40.6	45.9	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**23.8**	**33.9**	**31.7**	**19.2**	**42.8**	**S**	**19.6**	**30.0**	**32.2**	**38.3**	**S**	**S**
Less than 50 lb	36.9	35.4	32.9	33.2	42.7	41.6	39.1	37.8	37.3	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	25.4	31.5	28.3	35.1	31.8	33.5	S	40.9	40.7	42.0	43.2	43.4
500 to 749 lb	S	46.9	43.8	S	S	S	S	S	S	S	S	S
750 to 999 lb	38.0	46.3	42.4	42.1	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	32.5	41.3	38.2	47.2	27.4	27.9	45.0	43.2	43.9	46.8	S	S
10,000 to 49,999 lb	28.6	33.1	30.3	32.1	23.4	24.3	28.9	29.3	29.5	S	S	S
50,000 to 99,999 lb	38.5	46.4	47.3	39.5	45.4	45.2	–	–	–	–	–	–
100,000 lb or more	S	S	S	33.9	S	S	S	S	S	S	S	S
SCTG 20, Basic chemicals	**11.0**	**15.7**	**15.5**	**17.4**	**19.5**	**20.9**	**10.5**	**12.3**	**12.3**	**15.3**	**20.7**	**24.6**
Less than 50 lb	37.9	28.4	30.1	27.8	37.5	37.4	27.2	47.1	46.8	39.9	38.3	38.2
50 to 99 lb	32.3	31.6	31.8	38.7	S	S	30.3	25.3	25.3	S	S	S
100 to 499 lb	24.8	27.9	28.4	28.7	26.6	25.1	28.2	22.7	22.4	31.6	25.7	26.4
500 to 749 lb	29.2	17.2	18.7	S	S	S	46.2	24.0	24.3	45.2	S	S
750 to 999 lb	19.2	17.6	19.2	31.1	42.9	45.1	28.7	29.3	29.2	45.3	47.2	46.5
1,000 to 9,999 lb	16.5	17.5	16.1	33.9	21.0	17.0	18.0	24.6	23.7	22.1	29.8	29.8
10,000 to 49,999 lb	15.7	21.9	22.6	14.0	22.1	22.9	11.3	14.5	14.6	19.0	21.5	21.3
50,000 to 99,999 lb	27.6	28.4	35.3	40.5	42.1	42.9	S	47.9	S	45.1	S	S
100,000 lb or more	28.7	22.5	19.7	26.2	23.9	25.2	23.4	18.3	18.1	32.3	35.9	40.2
SCTG 21, Pharmaceutical products	**15.9**	**14.6**	**14.5**	**16.5**	**37.6**	**38.9**	**17.2**	**47.7**	**46.9**	**19.3**	**49.5**	**49.2**
Less than 50 lb	12.9	12.7	12.7	14.3	15.7	15.4	22.8	21.8	22.0	24.0	20.3	20.4
50 to 99 lb	24.6	20.6	20.0	22.6	24.3	22.6	34.2	25.0	26.6	42.7	37.3	35.7
100 to 499 lb	23.9	18.6	20.3	27.8	17.7	19.2	20.3	18.7	18.6	S	32.2	32.0
500 to 749 lb	S	33.5	35.9	49.1	26.8	25.4	31.2	37.7	38.9	45.4	S	S
750 to 999 lb	39.6	38.2	36.8	34.4	43.2	45.4	S	47.8	44.7	S	S	S
1,000 to 9,999 lb	42.7	30.4	27.7	31.5	18.8	19.8	31.1	40.8	40.1	33.4	28.1	28.3
10,000 to 49,999 lb	18.2	17.5	18.2	25.8	42.3	43.3	30.4	S	S	42.8	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 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	**18.3**	**15.4**	**17.1**	**17.8**	**17.0**	**17.1**	**25.2**	**21.7**	**22.2**	**24.7**	**27.0**	**26.7**
Less than 50 lb	S	S	S	S	S	S	S	S	S	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	S	S	S
100 to 499 lb	31.2	33.6	32.2	S	S	S	S	S	S	–	–	–
500 to 749 lb	S	47.3	47.7	S	S	S	S	S	S	S	S	S
750 to 999 lb	43.7	42.6	48.8	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	47.9	40.3	40.2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	19.9	15.0	14.5	26.2	21.4	20.3	37.6	37.8	37.7	41.8	35.5	34.8
50,000 to 99,999 lb	18.3	17.7	20.3	25.8	23.2	23.1	S	47.1	47.3	S	S	S
100,000 lb or more	S	47.0	48.3	22.1	22.0	21.3	27.6	23.4	23.8	26.4	27.8	27.4
SCTG 23, Chemical products and preparations, n.e.c.	**8.5**	**15.9**	**17.6**	**9.3**	**12.4**	**12.5**	**10.6**	**10.3**	**10.6**	**8.4**	**16.5**	**17.2**
Less than 50 lb	25.5	25.3	26.5	31.5	27.2	26.8	16.0	20.5	19.9	29.6	21.1	20.7
50 to 99 lb	27.3	17.9	18.7	31.4	30.8	31.2	34.3	35.0	34.5	44.9	34.4	31.1
100 to 499 lb	19.9	14.5	15.6	17.1	16.3	16.2	21.7	16.5	16.8	29.2	12.8	12.8
500 to 749 lb	28.4	34.6	38.6	34.8	20.3	20.8	37.2	21.8	21.5	30.4	26.3	27.0
750 to 999 lb	25.7	25.4	27.1	36.3	32.9	30.8	45.1	22.1	21.9	24.4	31.7	30.5
1,000 to 9,999 lb	11.1	16.9	16.6	19.7	10.1	10.0	28.6	17.5	17.4	18.1	14.8	15.1
10,000 to 49,999 lb	15.3	19.9	22.0	9.9	14.5	14.4	11.1	9.9	10.0	12.6	15.6	15.8
50,000 to 99,999 lb	46.5	47.5	42.3	42.0	35.7	36.9	S	S	S	S	S	S
100,000 lb or more	46.9	23.6	22.7	31.4	33.6	34.1	40.2	32.7	33.3	32.9	35.9	36.9
SCTG 24, Plastics and rubber	**6.0**	**8.3**	**8.9**	**9.1**	**10.3**	**10.9**	**8.9**	**10.2**	**10.4**	**10.7**	**15.8**	**16.0**
Less than 50 lb	12.7	17.5	17.8	13.0	16.3	16.1	17.1	17.1	17.1	14.1	19.2	19.5
50 to 99 lb	15.6	14.0	13.0	24.0	9.2	8.9	22.7	19.4	20.2	21.9	18.6	19.3
100 to 499 lb	13.6	15.2	13.2	13.6	9.8	10.1	18.7	23.1	23.1	10.3	14.1	14.1
500 to 749 lb	19.4	30.1	25.7	18.8	13.9	13.8	17.4	15.8	15.8	44.0	41.7	40.9
750 to 999 lb	13.3	10.4	10.2	12.8	9.6	9.6	17.6	16.1	15.9	23.5	15.3	15.2
1,000 to 9,999 lb	10.4	10.9	9.0	17.0	9.3	10.3	11.0	11.9	11.9	12.6	10.7	10.7
10,000 to 49,999 lb	8.5	11.8	12.7	12.0	13.0	13.4	13.3	12.2	12.5	14.5	14.6	14.5
50,000 to 99,999 lb	47.6	S	S	S	44.5	44.9	47.9	41.4	40.6	S	S	S
100,000 lb or more	38.9	45.5	41.9	49.3	32.1	32.2	39.3	35.1	35.0	S	47.7	46.1
SCTG 25, Logs and other wood in the rough	**24.5**	**40.2**	**37.8**	**27.1**	**S**	**S**	**28.4**	**34.5**	**35.0**	**S**	**S**	**S**
Less than 50 lb	S	S	S	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	S	S	S	–	–	–
750 to 999 lb	S	S	S	–	–	–	S	S	S	S	S	S
1,000 to 9,999 lb	S	S	S	S	39.2	40.9	S	47.3	48.5	S	S	S
10,000 to 49,999 lb	21.0	S	S	25.1	25.7	23.7	21.0	46.6	48.7	48.0	S	S
50,000 to 99,999 lb	40.4	37.0	39.4	48.1	48.3	46.7	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	40.0	S	S	S	S	S
SCTG 26, Wood products	**7.3**	**10.7**	**11.5**	**14.2**	**14.1**	**14.3**	**19.2**	**19.1**	**17.7**	**10.3**	**12.0**	**12.2**
Less than 50 lb	29.5	21.8	22.8	35.2	39.2	39.7	40.0	38.5	40.4	33.0	33.4	33.1
50 to 99 lb	29.8	27.0	30.9	28.4	43.9	41.5	S	S	S	S	S	S
100 to 499 lb	22.0	19.7	21.4	31.6	42.0	41.6	37.2	31.4	31.4	40.2	30.5	30.6
500 to 749 lb	15.9	18.0	17.5	21.1	24.8	22.9	S	39.9	39.2	46.4	46.8	S
750 to 999 lb	40.7	43.2	43.2	38.7	35.3	34.2	44.7	31.2	32.4	49.1	38.9	40.0
1,000 to 9,999 lb	16.5	15.2	15.5	20.4	16.8	16.9	25.2	27.5	27.9	31.7	20.0	20.9
10,000 to 49,999 lb	8.6	9.1	8.2	19.5	18.0	18.5	30.7	30.1	28.9	11.6	16.3	16.8
50,000 to 99,999 lb	11.9	13.9	12.9	11.3	10.9	11.2	22.3	20.5	21.2	34.3	36.5	39.9
100,000 lb or more	16.9	30.7	36.1	12.4	11.2	11.3	13.7	12.1	11.8	23.7	21.7	21.7
SCTG 27, Pulp, newsprint, paper, and paperboard	**12.4**	**10.3**	**10.3**	**9.0**	**9.4**	**9.7**	**7.8**	**8.6**	**8.7**	**12.4**	**11.7**	**11.9**
Less than 50 lb	30.8	25.6	22.8	35.4	29.4	26.6	S	38.4	40.3	S	S	49.2
50 to 99 lb	33.0	32.0	26.0	49.1	43.0	45.5	47.2	36.1	32.9	S	47.7	49.0
100 to 499 lb	12.4	17.4	17.1	26.8	37.3	38.7	36.8	34.2	34.4	38.1	42.1	43.0
500 to 749 lb	24.8	19.8	21.2	43.9	22.9	24.1	25.9	43.3	45.1	46.7	S	S
750 to 999 lb	20.2	17.7	19.2	26.7	36.4	36.7	24.6	34.4	36.7	S	S	S
1,000 to 9,999 lb	13.8	12.1	13.0	18.9	14.4	14.4	27.1	22.4	22.0	40.7	27.0	28.1
10,000 to 49,999 lb	16.3	13.5	13.2	10.6	8.7	8.9	10.1	9.8	10.0	17.0	16.1	16.4
50,000 to 99,999 lb	29.1	30.3	32.0	32.7	26.0	29.1	S	39.0	38.3	S	38.3	38.8
100,000 lb or more	14.0	14.1	14.7	11.5	12.9	13.0	11.9	10.9	10.9	18.8	19.0	19.4
SCTG 28, Paper or paperboard articles	**9.4**	**7.7**	**7.9**	**14.6**	**12.6**	**12.3**	**13.3**	**13.6**	**14.1**	**15.4**	**14.7**	**15.0**
Less than 50 lb	23.0	17.4	15.8	19.7	22.2	24.3	20.7	18.3	18.3	32.6	32.2	32.0
50 to 99 lb	21.4	18.2	19.2	33.9	25.6	24.2	S	S	S	S	38.5	38.7
100 to 499 lb	18.2	15.1	14.7	32.5	31.2	29.0	19.6	21.7	21.3	39.4	31.1	30.6
500 to 749 lb	23.3	30.4	36.5	S	S	S	33.1	34.2	35.2	41.7	40.1	40.5
750 to 999 lb	33.7	26.0	26.4	44.7	30.6	29.5	25.4	21.9	23.1	47.1	34.0	34.7
1,000 to 9,999 lb	12.7	16.5	16.7	15.1	15.5	14.7	17.1	21.0	21.3	23.9	24.8	24.8
10,000 to 49,999 lb	11.6	8.2	8.4	17.2	15.9	15.5	13.6	12.2	12.5	16.9	13.2	13.4
50,000 to 99,999 lb	S	47.4	44.5	S	42.2	40.8	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	45.3	45.2	S	44.6	43.2	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**5.3**	**13.0**	**14.4**	**8.8**	**19.5**	**18.8**	**10.9**	**29.1**	**28.0**	**13.4**	**15.3**	**15.4**
Less than 50 lb	14.0	13.8	14.0	16.6	17.1	15.9	16.5	14.3	14.2	19.6	22.3	22.1
50 to 99 lb	19.4	17.7	18.1	30.7	18.5	23.6	29.4	20.5	20.3	29.1	17.5	17.9
100 to 499 lb	24.9	14.6	14.7	29.8	19.4	18.7	19.1	19.3	20.1	16.8	14.9	15.2
500 to 749 lb	21.8	25.5	23.8	14.0	13.1	12.8	S	32.6	30.5	33.2	30.5	30.5
750 to 999 lb	22.7	22.5	25.2	28.7	18.1	18.4	24.2	21.3	20.6	S	35.0	34.5
1,000 to 9,999 lb	15.9	23.9	27.9	16.7	22.4	20.0	19.8	16.1	16.2	31.2	16.8	16.4
10,000 to 49,999 lb	13.4	14.4	14.1	17.0	22.4	22.2	25.0	39.1	37.8	30.6	29.4	29.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**18.7**	**5.5**	**5.4**	**6.1**	**7.4**	**7.4**	**8.4**	**11.9**	**11.8**	**6.5**	**9.4**	**9.5**
Less than 50 lb	11.0	9.5	9.9	10.3	9.1	9.4	8.9	8.6	8.6	10.4	6.2	6.2
50 to 99 lb	13.4	11.3	12.0	18.4	13.2	12.9	14.9	11.1	11.4	11.5	10.4	10.3
100 to 499 lb	6.9	8.3	8.0	6.5	8.1	8.4	7.8	8.6	8.6	10.7	10.2	10.2
500 to 749 lb	14.0	13.3	14.3	16.1	13.0	12.7	12.0	20.8	20.8	14.9	20.7	20.6
750 to 999 lb	24.0	12.8	12.0	20.6	12.3	12.5	26.1	16.9	16.6	32.6	25.4	25.4
1,000 to 9,999 lb	48.7	11.7	10.6	11.2	11.7	11.9	12.9	11.6	11.4	12.7	14.0	14.2
10,000 to 49,999 lb	5.9	6.6	6.3	8.4	8.4	8.5	12.7	16.6	16.6	13.8	12.5	12.5
50,000 to 99,999 lb	29.2	32.0	34.9	S	S	S	44.1	39.7	41.5	S	S	S
100,000 lb or more	48.9	37.3	38.0	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**16.4**	**8.2**	**7.2**	**9.6**	**9.5**	**9.9**	**11.9**	**11.6**	**10.6**	**12.5**	**13.8**	**14.0**
Less than 50 lb	18.3	11.4	12.0	30.9	18.6	19.3	24.8	19.0	18.7	20.3	27.3	27.1
50 to 99 lb	30.8	20.8	22.6	31.1	26.1	26.7	24.0	22.4	22.6	S	31.0	30.6
100 to 499 lb	24.3	19.1	19.4	32.6	24.3	23.9	32.9	30.2	32.6	48.0	40.2	40.0
500 to 749 lb	35.1	29.1	33.0	26.0	19.9	21.6	46.0	42.4	41.8	32.6	49.0	49.9
750 to 999 lb	33.7	34.2	35.5	38.8	31.7	30.1	24.3	21.7	22.3	S	S	S
1,000 to 9,999 lb	45.0	16.0	19.4	28.6	8.1	8.2	34.5	16.2	16.0	17.3	25.4	25.0
10,000 to 49,999 lb	9.4	10.3	9.9	10.0	11.5	12.0	8.7	12.3	12.6	12.3	15.0	15.0
50,000 to 99,999 lb	17.3	20.8	18.6	17.7	17.3	16.4	39.9	23.2	25.3	34.3	42.3	42.1
100,000 lb or more	22.9	22.5	22.0	41.2	24.0	25.2	26.1	35.5	30.3	37.1	36.7	37.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**8.5**	**20.7**	**19.5**	**9.3**	**12.4**	**13.4**	**9.2**	**17.6**	**17.4**	**14.2**	**23.2**	**27.2**
Less than 50 lb	45.0	15.2	14.4	26.1	16.0	16.9	40.0	36.7	36.7	41.7	41.0	41.9
50 to 99 lb	19.1	23.5	25.4	27.0	16.1	17.2	32.9	42.9	39.0	S	S	S
100 to 499 lb	23.0	15.3	16.8	14.9	12.8	13.2	18.2	16.6	16.7	21.6	21.3	22.3
500 to 749 lb	16.3	14.4	16.2	27.9	22.2	21.2	20.4	17.6	17.6	S	32.5	34.2
750 to 999 lb	14.8	18.8	20.4	46.2	21.0	20.4	23.5	19.8	18.4	26.2	35.6	38.6
1,000 to 9,999 lb	15.4	14.8	14.4	13.8	10.6	11.1	16.0	18.7	18.0	14.5	40.7	41.7
10,000 to 49,999 lb	9.2	9.0	9.4	10.0	11.7	12.5	10.6	10.2	11.2	15.8	15.3	15.2
50,000 to 99,999 lb	31.9	34.7	37.5	38.8	31.1	30.2	47.4	S	S	S	S	S
100,000 lb or more	49.4	S	S	25.5	30.4	32.8	25.9	36.1	34.9	S	S	S
SCTG 33, Articles of base metal	**5.9**	**7.6**	**6.8**	**7.5**	**9.4**	**9.4**	**9.4**	**12.6**	**12.4**	**9.4**	**12.1**	**12.1**
Less than 50 lb	19.0	20.5	21.4	26.1	22.4	21.2	17.6	19.4	18.8	18.0	15.8	15.5
50 to 99 lb	23.1	20.2	17.7	21.4	14.9	15.6	23.9	13.2	13.5	23.8	24.0	24.7
100 to 499 lb	15.2	10.7	10.5	13.6	8.0	7.8	13.0	11.4	10.9	20.3	14.1	14.3
500 to 749 lb	16.6	14.6	14.8	18.9	15.7	14.8	19.8	18.6	18.2	39.4	23.2	23.0
750 to 999 lb	17.0	12.4	12.5	17.6	14.6	13.8	37.4	21.3	21.6	44.3	34.8	35.5
1,000 to 9,999 lb	9.5	9.2	9.0	9.6	10.3	10.5	19.2	16.1	17.1	21.7	14.4	14.0
10,000 to 49,999 lb	9.4	8.6	8.2	9.6	11.8	11.9	9.6	12.7	11.8	19.7	16.2	16.5
50,000 to 99,999 lb	25.5	40.6	35.0	42.8	24.8	23.0	S	48.8	49.4	S	S	S
100,000 lb or more	49.1	S	47.1	S	48.0	S	S	S	S	S	S	S
SCTG 34, Machinery	**12.5**	**9.4**	**10.7**	**10.8**	**8.0**	**8.3**	**5.7**	**9.5**	**9.4**	**8.6**	**9.8**	**9.7**
Less than 50 lb	12.3	19.6	19.5	11.3	16.0	14.5	14.8	20.9	18.3	15.0	23.8	22.6
50 to 99 lb	27.1	38.2	39.6	16.5	34.8	31.0	17.4	28.9	24.9	19.1	44.1	40.9
100 to 499 lb	8.8	17.6	18.3	16.1	15.9	13.9	12.0	10.4	10.0	12.8	9.8	9.7
500 to 749 lb	26.8	12.8	12.0	31.5	25.4	23.6	43.7	20.8	22.0	23.7	10.8	11.1
750 to 999 lb	19.8	23.9	21.2	25.4	11.8	12.8	19.9	20.3	20.5	34.2	18.3	18.2
1,000 to 9,999 lb	11.8	12.4	14.8	26.8	7.8	7.4	6.9	8.9	8.8	12.9	12.9	12.5
10,000 to 49,999 lb	14.5	12.2	13.4	11.5	10.8	10.8	12.1	15.1	15.1	16.5	13.0	12.9
50,000 to 99,999 lb	S	S	S	30.1	29.6	29.8	26.1	32.9	33.0	34.3	32.8	33.4
100,000 lb or more	S	S	S	43.8	49.9	S	S	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	**8.0**	**12.9**	**13.9**	**39.3**	**13.3**	**13.7**	**15.4**	**21.1**	**20.9**	**11.1**	**16.1**	**16.6**
Less than 50 lb	9.7	9.2	9.5	12.2	11.0	11.4	13.8	10.8	10.7	10.4	13.3	12.9
50 to 99 lb	21.5	17.5	19.6	13.0	20.3	16.9	14.3	9.2	9.5	16.0	19.1	18.7
100 to 499 lb	16.6	17.6	18.7	14.0	16.0	16.1	14.7	11.3	11.0	14.9	12.3	12.3
500 to 749 lb	20.4	16.7	15.4	14.0	15.6	16.4	31.5	17.9	17.7	22.1	17.3	17.6
750 to 999 lb	25.2	18.1	19.6	41.2	30.6	31.4	36.5	21.1	20.5	S	45.9	46.9
1,000 to 9,999 lb	23.3	18.3	17.6	S	25.7	26.2	39.4	21.5	22.3	24.9	16.2	17.4
10,000 to 49,999 lb	22.6	17.6	18.8	12.9	14.1	14.6	19.5	30.0	29.9	45.2	25.3	27.2
50,000 to 99,999 lb	49.4	S	S	34.7	33.3	33.9	47.7	47.9	46.1	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	49.9	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**9.2**	**8.9**	**10.6**	**7.9**	**9.9**	**10.8**	**16.3**	**13.3**	**13.6**	**11.9**	**16.6**	**16.3**
Less than 50 lb	16.8	9.5	10.3	14.5	12.4	12.2	20.1	18.6	18.1	21.5	17.4	17.6
50 to 99 lb	19.9	18.9	23.5	20.1	20.3	19.4	26.8	22.2	22.4	28.7	21.8	22.1
100 to 499 lb	16.5	17.3	17.2	27.0	16.1	16.2	28.5	24.8	24.7	23.6	35.5	39.3
500 to 749 lb	S	29.0	24.7	23.4	23.1	23.7	46.8	29.4	30.5	30.5	39.0	37.4
750 to 999 lb	28.2	46.0	49.6	34.1	24.4	25.5	28.4	38.0	37.8	49.0	S	S
1,000 to 9,999 lb	17.8	16.8	17.2	18.1	16.6	16.8	18.7	19.5	19.7	18.7	15.1	15.4
10,000 to 49,999 lb	16.9	15.7	18.9	11.5	9.4	9.7	25.0	18.4	18.6	19.5	18.9	18.9
50,000 to 99,999 lb	S	45.7	44.6	S	39.1	40.3	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	42.3	43.2	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**S**	**30.1**	**29.8**	**11.8**	**32.8**	**37.4**	**20.0**	**36.8**	**37.1**	**24.9**	**27.7**	**30.1**
Less than 50 lb	S	27.2	26.5	26.4	34.9	33.2	28.1	30.9	29.7	31.8	21.2	21.1
50 to 99 lb	38.3	S	S	47.9	36.0	34.9	S	28.5	29.3	49.4	26.1	26.3
100 to 499 lb	22.6	40.7	40.5	39.8	27.4	26.0	45.3	42.3	44.1	47.1	28.5	28.3
500 to 749 lb	48.0	S	S	38.6	47.7	44.7	37.4	32.7	31.0	48.1	42.6	42.5
750 to 999 lb	49.6	S	S	38.9	40.3	42.2	43.1	S	S	47.2	40.8	40.7
1,000 to 9,999 lb	S	39.2	31.5	30.8	24.6	24.6	22.5	25.2	25.6	28.6	32.4	33.2
10,000 to 49,999 lb	36.8	40.2	42.6	24.7	37.4	37.1	32.0	30.3	31.0	21.5	20.8	21.3
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	S	S	S	49.5	49.8	49.4	S	S	S
SCTG 38, Precision instruments and apparatus	**14.6**	**28.8**	**25.0**	**10.7**	**35.9**	**26.2**	**12.1**	**41.3**	**40.0**	**24.6**	**23.7**	**23.2**
Less than 50 lb	13.6	22.4	20.7	13.6	15.7	15.6	17.8	18.8	18.7	23.2	19.3	19.0
50 to 99 lb	25.6	S	S	20.0	17.4	18.2	20.4	30.4	31.7	S	S	S
100 to 499 lb	22.5	21.6	22.7	22.0	24.9	26.6	22.5	30.1	31.6	25.8	23.4	23.4
500 to 749 lb	34.6	40.5	43.4	36.2	44.8	46.7	37.7	24.7	25.3	26.5	27.7	29.4
750 to 999 lb	42.7	44.6	43.3	40.6	39.9	37.4	41.0	S	S	S	S	S
1,000 to 9,999 lb	43.0	42.8	38.8	25.0	23.1	22.1	S	49.2	49.6	S	46.7	46.2
10,000 to 49,999 lb	49.6	S	S	43.4	35.7	37.0	S	S	S	41.1	S	S
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**9.2**	**10.6**	**10.2**	**9.0**	**14.2**	**15.5**	**5.9**	**7.6**	**7.2**	**9.6**	**11.8**	**11.5**
Less than 50 lb	18.4	15.5	14.4	19.7	18.7	18.1	20.0	20.7	19.9	18.9	28.3	28.6
50 to 99 lb	10.0	13.2	14.2	8.9	9.7	9.9	10.2	11.1	11.3	19.9	17.2	17.4
100 to 499 lb	12.4	13.9	13.5	7.8	6.4	5.8	6.2	4.0	3.8	8.6	9.3	9.5
500 to 749 lb	16.4	19.6	20.5	12.1	13.1	12.0	10.8	10.3	10.6	15.0	15.1	15.0
750 to 999 lb	24.3	26.5	26.0	15.6	16.9	16.2	13.8	15.1	15.2	15.8	23.2	21.5
1,000 to 9,999 lb	14.1	16.9	16.0	15.7	18.5	17.7	9.4	10.2	10.0	11.3	11.1	11.7
10,000 to 49,999 lb	15.7	15.1	14.4	12.2	25.3	30.2	14.0	15.0	14.2	32.2	27.2	26.6
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–	S	S	S
SCTG 40, Miscellaneous manufactured products	**33.4**	**17.5**	**16.7**	**9.4**	**14.7**	**16.3**	**6.3**	**13.4**	**13.3**	**8.4**	**25.7**	**24.8**
Less than 50 lb	11.5	12.5	13.0	9.5	15.8	15.1	12.0	9.4	9.5	13.0	11.0	10.9
50 to 99 lb	12.4	17.4	14.6	15.9	21.0	22.8	13.6	15.0	14.7	19.2	26.6	25.3
100 to 499 lb	8.5	12.1	13.1	14.5	12.0	11.1	12.5	11.5	11.1	15.3	14.9	14.7
500 to 749 lb	13.5	11.3	11.7	31.3	13.2	12.7	13.5	12.8	13.2	28.7	25.2	24.4
750 to 999 lb	18.1	16.1	15.8	18.0	16.4	14.6	14.7	15.2	14.3	25.9	27.9	27.4
1,000 to 9,999 lb	17.9	19.8	19.5	13.0	12.2	11.5	12.8	14.1	14.0	10.2	9.8	9.9
10,000 to 49,999 lb	S	18.0	18.6	15.5	15.7	16.4	15.3	21.2	20.6	25.1	44.1	42.9
50,000 to 99,999 lb	31.3	36.5	32.4	48.8	29.5	30.0	S	47.2	47.4	S	45.6	45.1
100,000 lb or more	42.1	35.6	39.9	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**14.9**	**15.0**	**15.8**	**16.6**	**28.8**	**26.0**	**21.0**	**28.8**	**27.2**	**29.6**	**26.4**	**26.3**
Less than 50 lb	S	S	S	S	S	S	–	–	–	–	–	–
50 to 99 lb	S	S	S	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	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	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	13.8	19.0	18.5	18.3	37.8	34.9	22.2	35.2	30.8	26.2	28.7	28.4
50,000 to 99,999 lb	42.0	36.1	35.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.5	23.1	23.2	20.7	19.7	20.5	S	48.0	S	S	39.8	40.6
SCTG 43, Mixed freight	**27.0**	**19.9**	**19.0**	**S**	**22.8**	**24.3**	**26.5**	**31.8**	**32.1**	**44.0**	**40.1**	**40.0**
Less than 50 lb	44.9	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	39.2	47.5	46.1	S	S	S	S	S	S	S	S	S
100 to 499 lb	20.3	22.0	24.1	S	S	S	31.8	33.5	37.5	S	S	S
500 to 749 lb	22.0	28.5	27.7	38.5	47.5	50.0	43.8	39.9	41.8	S	S	S
750 to 999 lb	17.8	23.0	24.9	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	13.7	13.2	13.2	32.1	36.7	37.2	37.2	40.2	40.1	48.2	49.8	S
10,000 to 49,999 lb	36.5	26.6	25.3	S	32.7	34.2	35.6	36.6	36.9	S	45.4	45.9
50,000 to 99,999 lb	S	S	S	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	100 to 249 miles			250 to 499 miles			500 to 749 miles			750 to 999 miles		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**31.7**	**24.4**	**24.6**	**27.4**	**26.9**	**26.3**	**20.8**	**21.5**	**21.5**	**32.3**	**S**	**S**
Less than 50 lb	28.9	25.7	24.6	35.2	24.6	25.1	27.8	38.7	41.1	31.6	33.3	34.1
50 to 99 lb	S	33.5	30.5	45.4	31.8	28.6	S	43.9	46.5	S	S	S
100 to 499 lb	45.0	31.8	37.3	S	S	S	25.5	30.6	31.9	42.5	29.7	29.0
500 to 749 lb	S	S	49.8	25.3	35.4	32.8	38.4	38.7	35.1	47.0	48.5	48.1
750 to 999 lb	42.1	40.8	42.1	S	45.9	S	41.1	40.5	40.2	S	S	S
1,000 to 9,999 lb	32.6	41.9	40.8	27.4	38.2	35.8	26.2	33.0	32.3	S	33.8	35.0
10,000 to 49,999 lb	46.3	33.3	33.3	43.2	37.6	36.7	38.9	26.9	26.5	37.7	36.7	37.7
50,000 to 99,999 lb	41.2	44.2	43.7	S	44.0	45.6	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	**5.4**	**8.6**	**8.9**	**12.4**	**10.0**	**10.5**	**5.7**	**4.3**	**4.5**
Less than 50 lb	9.0	6.3	6.3	8.6	5.6	5.5	5.4	5.0	5.1
50 to 99 lb	10.9	8.0	8.1	27.6	10.4	10.2	16.1	5.5	5.5
100 to 499 lb	7.3	13.7	14.6	28.6	8.6	9.0	6.2	5.4	5.3
500 to 749 lb	15.0	14.1	14.7	19.4	17.5	15.5	12.1	8.9	8.9
750 to 999 lb	13.2	8.9	9.4	17.6	12.7	12.9	16.0	7.8	8.0
1,000 to 9,999 lb	9.6	10.8	10.4	15.9	8.3	8.5	12.5	7.8	7.7
10,000 to 49,999 lb	10.4	7.8	7.3	20.4	14.4	14.8	9.5	7.2	7.3
50,000 to 99,999 lb	S	48.0	46.8	40.1	26.4	27.1	S	15.5	15.2
100,000 lb or more	13.7	14.0	14.6	29.1	31.2	31.5	34.8	14.3	14.6
SCTG 01, Live animals and live fish	**43.2**	**41.7**	**41.4**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
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	47.1	45.9	45.9	S	S	S	–	–	–
100,000 lb or more	49.8	S	S	–	–	–	–	–	–
SCTG 02, Cereal grains	**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	–	–	–	–	–	–	–	–	–
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	–	–	–
SCTG 03, Other agricultural products	**20.6**	**38.2**	**38.1**	**20.7**	**48.7**	**S**	**42.7**	**28.0**	**28.1**
Less than 50 lb	41.4	47.4	47.0	49.5	S	S	S	S	S
50 to 99 lb	23.0	17.9	18.0	43.3	37.4	36.8	44.0	46.4	47.0
100 to 499 lb	16.2	12.7	12.9	26.6	35.1	37.5	26.6	25.8	26.2
500 to 749 lb	19.9	22.3	22.8	S	S	S	S	S	S
750 to 999 lb	23.6	33.4	33.9	–	–	–	S	48.3	48.0
1,000 to 9,999 lb	24.6	35.9	35.5	S	S	S	33.0	46.6	44.3
10,000 to 49,999 lb	31.9	35.6	35.6	39.8	46.5	47.7	35.4	37.0	37.6
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 04, Animal feed and products of animal origin, n.e.c.	**41.9**	**36.5**	**36.8**	**S**	**S**	**S**	**S**	**38.3**	**38.9**
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	–	–	–	S	S	S
750 to 999 lb	–	–	–	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	38.4	40.3	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	48.8	49.4	48.1	–	–	–	40.1	S	S
SCTG 05, Meat, fish, seafood, and their preparations	**39.1**	**S**	**S**	**24.8**	**21.1**	**19.7**	**19.4**	**21.7**	**21.9**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	–	–	–	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	45.5	47.9	46.7	S	S	S	S	S	S
750 to 999 lb	45.4	44.6	44.9	43.8	49.3	S	S	S	S
1,000 to 9,999 lb	35.9	35.8	32.9	S	27.1	27.5	23.9	21.7	22.0
10,000 to 49,999 lb	S	S	S	24.5	28.2	26.6	22.3	20.8	20.6
50,000 to 99,999 lb	–	–	–	S	S	S	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	**39.4**	**37.3**	**36.0**	**32.5**	**29.8**	**30.2**	**26.7**	**28.4**	**28.8**
Less than 50 lb	47.7	45.6	46.9	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
1,000 to 9,999 lb	33.7	28.4	28.8	S	S	S	25.9	25.0	24.6
10,000 to 49,999 lb	46.9	40.6	39.2	38.3	34.8	35.2	28.2	30.0	30.3
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 07, Other prepared foodstuffs and fats and oils	**20.7**	**31.3**	**29.5**	**19.9**	**21.6**	**21.3**	**13.3**	**15.6**	**16.1**
Less than 50 lb	49.5	S	S	S	43.2	44.0	50.0	41.6	40.0
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	23.4	23.3	24.5	36.5	35.3	35.1	33.8	S	S
10,000 to 49,999 lb	16.1	22.0	21.8	22.4	22.5	22.2	14.3	17.3	17.8
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	S	S	48.7	–	–	–	–	–	–
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	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 09, Tobacco products	**49.3**	**48.7**	**S**	**S**	**S**	**S**	**39.2**	**44.2**	**45.0**
Less than 50 lb	45.9	32.8	33.2	38.7	44.1	42.4	49.7	38.0	38.7
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	35.2	36.0	36.5	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	–	–	–
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	47.9	49.6	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	39.8	41.4	41.9
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S
SCTG 10, Monumental or building stone	**S**	**47.0**	**45.6**	**S**	**S**	**S**	**43.0**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	S	S	S	–	–	–	–	–	–
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	S	S	S
1,000 to 9,999 lb	S	S	S	S	46.0	45.9	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 11, Natural sands	**S**	**S**	**S**	**S**	**S**	**S**	**47.0**	**48.0**	**47.6**
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	46.1	47.1	46.7
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	S	S	S	–	–	–	–	–	–
SCTG 12, Gravel and crushed stone	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	S	S	S
10,000 to 49,999 lb	S	S	S	–	–	–	–	–	–
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 13, Nonmetallic minerals n.e.c.	**20.5**	**25.1**	**25.0**	**29.0**	**40.2**	**38.3**	**28.2**	**36.4**	**37.4**
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	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	23.8	25.6	25.5	31.6	37.9	38.6	35.5	26.4	26.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	25.0	27.2	26.9	S	S	49.5	39.0	43.2	43.4

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	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**	**30.6**	**33.0**	**S**	**36.0**	**36.2**	**S**	**S**	**S**
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	48.0	S	S
500 to 749 lb	46.8	46.1	46.3	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	45.6	42.6	42.8	S	37.8	38.2	46.2	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	42.6	35.4	37.5	–	–	–	–	–	–
SCTG 15, Coal	**–**	**–**	**–**	**S**	**S**	**S**	**–**	**–**	**–**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	–	–	–
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 17, Gasoline and aviation turbine fuel	**–**	**–**	**–**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 18, Fuel oils	**S**	**S**	**S**	**–**	**–**	**–**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	–	–	–
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	–	–	–	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	–	–	–	–	–	–	–	–	–
10,000 to 49,999 lb	–	–	–	–	–	–	S	S	S
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 19, Coal and petroleum products, n.e.c.	**41.8**	**S**	**S**	**S**	**S**	**S**	**44.5**	**S**	**S**
Less than 50 lb	47.8	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	–	–	–
100 to 499 lb	43.6	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	43.7	44.3	S	S	S	44.0	49.4	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	–	–	–	–	–	–
SCTG 20, Basic chemicals	**17.8**	**22.1**	**22.7**	**29.3**	**37.5**	**39.7**	**23.4**	**36.3**	**36.4**
Less than 50 lb	S	S	S	45.6	S	S	30.5	36.1	36.7
50 to 99 lb	S	S	S	S	S	S	46.8	46.6	47.6
100 to 499 lb	31.8	29.1	28.8	49.8	35.5	36.2	35.2	39.2	40.1
500 to 749 lb	S	49.7	49.3	S	S	S	S	42.0	42.5
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	29.7	29.1	28.7	S	35.6	35.1	22.7	19.7	19.6
10,000 to 49,999 lb	24.7	20.6	20.8	32.2	32.3	33.2	29.6	21.8	22.1
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	33.3	33.7	34.0	S	S	S	39.0	49.5	49.5
SCTG 21, Pharmaceutical products	**28.9**	**49.6**	**S**	**29.1**	**39.5**	**39.1**	**19.4**	**S**	**S**
Less than 50 lb	26.3	29.4	31.3	33.4	26.9	26.8	24.1	20.2	20.5
50 to 99 lb	S	S	S	S	S	S	S	36.6	37.0
100 to 499 lb	S	S	S	S	S	S	42.8	33.4	33.3
500 to 749 lb	S	S	S	S	S	S	S	49.0	49.7
750 to 999 lb	S	S	S	S	S	S	45.4	40.4	39.1
1,000 to 9,999 lb	47.0	S	S	S	34.9	34.7	43.4	40.8	40.4
10,000 to 49,999 lb	35.5	36.1	36.4	S	S	S	27.8	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	S	S	S
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 22, Fertilizers	**29.3**	**27.1**	**27.7**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	–	–	–	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	–	–	–
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	S	S	S	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	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	29.6	27.3	27.8	S	S	S	–	–	–
SCTG 23, Chemical products and preparations, n.e.c.	**16.7**	**34.6**	**35.5**	**22.8**	**35.1**	**35.9**	**20.5**	**18.1**	**19.1**
Less than 50 lb	29.3	28.2	28.1	S	48.3	48.3	S	S	S
50 to 99 lb	48.6	35.1	34.5	32.0	47.1	45.8	43.7	41.6	39.1
100 to 499 lb	47.1	24.9	24.0	S	32.8	32.4	20.7	21.1	21.1
500 to 749 lb	33.8	36.1	38.3	46.7	47.8	48.1	39.6	37.6	37.4
750 to 999 lb	21.5	26.0	25.9	S	S	S	39.0	33.7	33.5
1,000 to 9,999 lb	20.7	19.1	20.0	28.9	26.2	25.2	S	20.8	20.6
10,000 to 49,999 lb	25.5	23.4	23.4	27.0	26.9	26.5	13.9	17.5	18.7
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 24, Plastics and rubber	**7.1**	**13.3**	**14.1**	**10.9**	**13.5**	**13.9**	**15.6**	**23.1**	**23.0**
Less than 50 lb	13.1	12.1	12.2	22.1	16.9	16.7	19.2	16.2	16.4
50 to 99 lb	19.8	16.1	17.3	30.8	28.7	29.7	31.8	23.4	25.0
100 to 499 lb	15.3	12.6	12.8	37.2	S	S	23.2	21.4	22.6
500 to 749 lb	S	48.1	48.3	41.3	48.8	49.7	35.9	34.2	32.7
750 to 999 lb	23.2	15.9	15.3	36.5	40.7	39.6	29.4	36.9	36.6
1,000 to 9,999 lb	14.7	13.0	13.0	15.4	14.7	15.0	10.2	11.5	12.1
10,000 to 49,999 lb	18.3	16.0	15.2	11.7	13.3	13.8	25.3	28.5	28.5
50,000 to 99,999 lb	S	S	S	–	–	–	42.5	40.9	43.0
100,000 lb or more	47.2	46.4	45.8	47.6	48.7	49.2	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	–	–	–	S	S	S	S	S	S
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 26, Wood products	**16.5**	**16.7**	**16.9**	**23.3**	**27.9**	**27.3**	**16.8**	**12.4**	**12.3**
Less than 50 lb	38.8	30.6	30.7	S	S	S	44.5	S	S
50 to 99 lb	48.4	41.8	42.7	S	S	S	S	S	S
100 to 499 lb	S	S	S	46.3	46.2	46.7	45.6	36.8	36.4
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	39.2	31.7	32.2	S	S	S	S	S	S
1,000 to 9,999 lb	47.8	34.6	35.0	S	46.0	46.4	48.7	32.6	31.6
10,000 to 49,999 lb	18.4	19.4	19.3	31.8	28.8	29.1	19.6	13.2	13.6
50,000 to 99,999 lb	45.7	S	49.5	41.4	40.4	39.9	24.4	28.9	29.4
100,000 lb or more	34.1	25.5	27.8	S	S	S	27.3	32.6	31.2
SCTG 27, Pulp, newsprint, paper, and paperboard	**16.3**	**21.3**	**21.7**	**41.6**	**27.1**	**27.1**	**18.3**	**19.1**	**19.4**
Less than 50 lb	S	S	S	S	S	S	36.7	38.7	37.9
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	47.6	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.3	49.0	S	S	S	41.3	34.8	34.6
10,000 to 49,999 lb	16.1	16.3	16.7	S	35.8	35.9	24.4	25.3	26.1
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	30.3	33.4	32.9	S	S	S	35.1	34.9	34.8
SCTG 28, Paper or paperboard articles	**17.4**	**19.4**	**21.3**	**34.6**	**33.8**	**36.8**	**17.6**	**25.4**	**24.7**
Less than 50 lb	35.9	27.2	27.8	31.3	32.6	31.5	40.1	42.6	41.8
50 to 99 lb	47.0	40.5	41.1	S	S	49.9	48.2	46.0	46.6
100 to 499 lb	34.9	32.6	33.5	S	S	S	S	44.7	44.5
500 to 749 lb	S	44.1	43.7	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	40.3	40.7
1,000 to 9,999 lb	25.3	22.5	22.0	43.1	36.2	36.1	36.3	46.7	47.8
10,000 to 49,999 lb	27.1	23.8	23.5	43.1	26.7	27.6	22.6	25.3	25.4
50,000 to 99,999 lb	–	–	–	S	S	S	–	–	–
100,000 lb or more	S	S	S	S	S	S	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 29, Printed products	**22.2**	**19.9**	**19.3**	**20.1**	**22.3**	**22.2**	**13.3**	**20.4**	**20.0**
Less than 50 lb	35.6	29.1	28.8	22.7	25.1	25.3	23.4	25.0	24.8
50 to 99 lb	48.0	41.3	41.5	22.4	25.0	24.9	40.7	39.4	40.9
100 to 499 lb	46.7	29.5	29.7	49.2	S	S	35.8	S	S
500 to 749 lb	39.6	37.9	37.6	S	S	S	S	S	S
750 to 999 lb	29.2	40.5	39.1	S	S	S	38.9	36.4	35.9
1,000 to 9,999 lb	29.3	23.9	22.8	34.3	34.7	32.1	24.6	20.1	19.7
10,000 to 49,999 lb	45.2	32.0	31.8	41.1	33.2	33.5	33.7	31.1	30.7
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 30, Textiles, leather, and articles of textiles or leather	**14.3**	**13.7**	**13.7**	**19.2**	**29.7**	**31.6**	**7.9**	**13.1**	**13.9**
Less than 50 lb	11.0	7.7	7.7	11.9	8.8	8.9	11.7	10.8	10.8
50 to 99 lb	14.8	17.0	17.1	17.1	18.9	18.4	16.4	16.3	16.0
100 to 499 lb	13.8	12.3	12.3	12.5	11.1	11.0	10.7	10.0	9.9
500 to 749 lb	13.6	18.0	17.7	36.0	25.9	25.2	17.3	18.1	18.4
750 to 999 lb	24.2	20.4	20.6	17.4	21.9	22.3	37.4	24.6	26.1
1,000 to 9,999 lb	23.5	19.3	20.1	34.2	17.4	17.5	13.4	8.7	8.8
10,000 to 49,999 lb	17.2	15.8	15.3	43.9	49.1	S	18.5	19.5	19.6
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	**10.7**	**49.0**	**S**	**32.9**	**30.3**	**31.4**	**15.0**	**38.3**	**39.7**
Less than 50 lb	29.6	37.3	36.6	32.3	28.3	27.5	26.6	28.4	25.9
50 to 99 lb	S	33.4	34.6	S	S	S	34.6	37.9	37.2
100 to 499 lb	29.3	24.2	23.5	42.3	29.3	29.4	42.0	30.8	31.0
500 to 749 lb	37.2	37.4	37.0	S	45.5	45.2	32.4	33.3	33.4
750 to 999 lb	49.7	44.8	47.0	S	S	S	S	47.4	48.5
1,000 to 9,999 lb	20.9	24.7	25.2	S	27.3	27.4	29.9	27.6	28.0
10,000 to 49,999 lb	13.8	43.1	42.0	31.6	33.5	34.8	19.8	18.7	19.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	**32.0**	**34.0**	**34.1**	**24.8**	**24.7**	**25.0**	**13.7**	**25.3**	**26.7**
Less than 50 lb	31.1	35.4	35.7	S	S	S	40.8	31.9	31.4
50 to 99 lb	49.1	23.9	24.6	S	S	S	44.5	S	S
100 to 499 lb	29.9	30.4	30.9	44.6	S	S	31.2	34.9	35.7
500 to 749 lb	42.5	32.4	35.0	44.3	44.4	45.1	S	42.0	41.8
750 to 999 lb	S	48.6	48.4	S	S	S	S	S	S
1,000 to 9,999 lb	47.3	S	S	38.2	34.0	34.3	16.2	48.4	48.4
10,000 to 49,999 lb	21.3	24.1	24.1	29.5	29.9	30.6	19.0	33.5	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	49.4	S	S
SCTG 33, Articles of base metal	**12.5**	**18.5**	**18.1**	**17.2**	**22.5**	**30.1**	**13.8**	**35.7**	**35.1**
Less than 50 lb	29.0	21.6	21.5	34.3	19.4	19.4	28.6	20.7	19.9
50 to 99 lb	26.2	30.0	29.8	34.5	33.0	34.6	34.6	32.8	32.1
100 to 499 lb	17.9	17.9	21.8	32.5	17.4	17.8	24.3	19.8	20.5
500 to 749 lb	21.3	19.1	19.3	S	41.0	40.4	25.5	26.5	25.9
750 to 999 lb	42.8	44.2	40.9	S	S	S	39.8	28.9	29.6
1,000 to 9,999 lb	24.4	35.6	35.6	29.9	36.3	37.1	19.4	26.1	25.7
10,000 to 49,999 lb	29.1	20.2	19.2	32.4	29.0	29.8	19.9	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 34, Machinery	**23.1**	**18.8**	**18.4**	**19.7**	**26.4**	**26.9**	**22.0**	**14.2**	**13.8**
Less than 50 lb	15.2	13.2	13.3	20.2	18.1	17.6	14.4	10.3	10.4
50 to 99 lb	25.9	23.0	23.3	38.5	28.4	28.9	23.4	25.0	25.5
100 to 499 lb	16.8	19.5	18.8	21.1	16.0	16.0	10.6	11.2	10.8
500 to 749 lb	27.1	25.2	25.2	27.1	27.4	27.0	S	23.2	23.4
750 to 999 lb	25.6	31.6	31.4	40.0	27.5	26.8	26.7	26.3	26.7
1,000 to 9,999 lb	21.1	21.1	20.0	30.1	20.3	21.4	18.6	20.7	20.3
10,000 to 49,999 lb	22.5	26.9	26.3	38.8	41.9	42.3	18.3	18.8	18.9
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 35, Electronic and other electrical equipment and components and office equipment	**16.4**	**13.8**	**13.8**	**26.8**	**44.4**	**41.8**	**9.3**	**8.3**	**8.9**
Less than 50 lb	16.7	15.1	14.8	14.6	14.9	15.0	11.4	18.6	18.5
50 to 99 lb	21.7	18.2	17.8	S	38.0	37.7	27.0	13.9	14.2
100 to 499 lb	16.0	12.4	12.6	S	19.7	19.8	18.9	23.3	22.6
500 to 749 lb	42.4	23.4	23.0	33.7	38.0	37.7	31.3	21.5	21.0
750 to 999 lb	41.2	23.4	23.2	S	S	S	31.8	20.8	20.8
1,000 to 9,999 lb	31.9	19.1	18.2	27.0	24.2	23.3	31.9	15.8	15.9
10,000 to 49,999 lb	S	22.4	22.6	47.7	S	S	22.6	17.0	18.9
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	S	S	S

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
SCTG 36, Motorized and other vehicles (including parts)	**29.7**	**15.2**	**15.8**	**21.3**	**18.6**	**18.3**	**24.1**	**23.9**	**23.4**
Less than 50 lb	24.0	23.5	23.0	29.1	27.3	26.5	25.0	20.4	19.3
50 to 99 lb	20.3	28.1	26.8	S	49.4	48.9	33.5	27.3	26.7
100 to 499 lb	S	26.2	24.9	33.6	35.5	36.1	S	34.0	33.2
500 to 749 lb	S	S	47.2	S	S	S	39.8	35.6	35.4
750 to 999 lb	41.1	37.8	37.7	S	S	S	26.7	24.3	24.4
1,000 to 9,999 lb	29.7	24.4	23.3	38.7	23.0	22.7	36.5	44.9	42.0
10,000 to 49,999 lb	S	20.2	19.6	30.8	23.6	23.4	20.6	24.0	22.6
50,000 to 99,999 lb	S	S	S	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 37, Transportation equipment, n.e.c.	**19.7**	**16.7**	**16.1**	**S**	**46.9**	**45.9**	**25.2**	**22.1**	**24.5**
Less than 50 lb	32.2	27.8	28.6	31.3	26.9	27.2	34.3	44.4	42.2
50 to 99 lb	36.6	50.0	49.0	42.6	S	S	35.9	34.3	33.9
100 to 499 lb	36.7	42.0	43.0	S	36.9	36.0	S	32.8	32.1
500 to 749 lb	S	46.1	47.2	S	S	S	S	42.6	43.0
750 to 999 lb	S	S	S	S	S	S	S	44.0	44.3
1,000 to 9,999 lb	S	29.3	28.0	S	S	S	S	26.5	25.3
10,000 to 49,999 lb	29.6	27.5	26.8	S	46.5	45.2	S	36.3	39.0
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 38, Precision instruments and apparatus	**31.7**	**21.4**	**21.8**	**14.5**	**18.3**	**19.3**	**24.9**	**S**	**S**
Less than 50 lb	S	38.0	37.0	18.7	16.2	16.4	24.8	34.0	34.2
50 to 99 lb	34.9	22.0	22.4	35.8	S	S	26.3	45.9	44.2
100 to 499 lb	22.9	26.8	27.0	42.3	48.3	S	23.6	38.0	37.1
500 to 749 lb	S	S	S	40.8	39.4	39.8	46.7	41.0	40.8
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	49.8	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	48.0	48.1	27.6	31.6	31.5
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	**9.5**	**12.3**	**12.2**	**12.0**	**12.5**	**12.5**	**8.9**	**12.7**	**13.9**
Less than 50 lb	25.6	23.9	22.8	28.1	S	S	20.9	31.1	30.9
50 to 99 lb	34.3	28.1	26.6	25.5	21.5	21.2	17.9	19.6	19.5
100 to 499 lb	12.8	9.4	9.4	14.9	15.6	15.6	15.0	12.9	13.3
500 to 749 lb	22.9	21.2	20.5	36.1	27.8	27.7	18.9	17.8	18.0
750 to 999 lb	25.9	37.4	37.9	48.6	32.0	32.0	21.0	21.7	22.8
1,000 to 9,999 lb	14.6	12.1	11.7	25.5	25.5	25.7	20.3	20.5	22.2
10,000 to 49,999 lb	21.6	33.6	34.6	29.2	30.5	30.9	22.2	28.5	29.3
50,000 to 99,999 lb	S	S	S	–	–	–	–	–	–
100,000 lb or more	–	–	–	S	S	S	–	–	–
SCTG 40, Miscellaneous manufactured products	**12.7**	**26.3**	**26.5**	**20.6**	**35.3**	**34.8**	**8.6**	**22.1**	**21.6**
Less than 50 lb	19.1	21.2	20.5	16.8	18.3	18.7	17.2	17.5	17.5
50 to 99 lb	44.5	34.1	34.5	29.0	32.2	32.9	30.4	19.9	18.6
100 to 499 lb	13.3	20.6	20.8	22.6	20.0	20.3	23.6	14.4	14.0
500 to 749 lb	21.8	25.3	25.4	30.7	30.9	30.7	39.4	45.7	46.4
750 to 999 lb	41.6	38.3	36.8	45.6	38.0	37.1	44.1	39.1	38.7
1,000 to 9,999 lb	17.7	16.5	15.8	23.2	28.2	28.8	16.0	19.8	19.0
10,000 to 49,999 lb	20.7	42.4	43.0	49.7	S	49.2	17.3	39.9	39.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 41, Waste and scrap	**36.6**	**46.1**	**46.8**	**S**	**S**	**S**	**45.6**	**S**	**S**
Less than 50 lb	S	S	S	–	–	–	S	S	S
50 to 99 lb	–	–	–	–	–	–	S	S	S
100 to 499 lb	S	S	S	–	–	–	–	–	–
500 to 749 lb	–	–	–	–	–	–	–	–	–
750 to 999 lb	–	–	–	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	–	–	–	–	–	–
10,000 to 49,999 lb	39.5	39.0	41.2	S	S	S	S	43.1	43.2
50,000 to 99,999 lb	S	36.2	34.5	–	–	–	S	S	S
100,000 lb or more	S	S	S	–	–	–	S	S	S
SCTG 43, Mixed freight	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Less than 50 lb	S	40.9	40.9	S	S	S	S	S	S
50 to 99 lb	S	40.5	42.0	S	S	S	S	S	S
100 to 499 lb	49.6	47.8	47.4	–	–	–	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	–	–	–	–	–	–
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles			1,500 to 1,999 miles			2,000 miles or more		
	Value	Tons	Ton-miles	Value	Tons	Ton-miles	Value	Tons	Ton-miles
Commodity unknown	**33.5**	**42.7**	**42.9**	**35.7**	**35.8**	**36.2**	**S**	**S**	**S**
Less than 50 lb	43.5	42.2	39.9	S	S	S	38.0	28.7	28.5
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	48.4	49.3
500 to 749 lb	37.3	40.1	39.0	S	S	S	43.7	S	49.9
750 to 999 lb	S	S	S	S	S	S	47.2	S	S
1,000 to 9,999 lb	S	49.4	49.4	S	S	S	43.4	39.2	39.0
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	–	–	–	–	–	–	–	–	–
100,000 lb or more	–	–	–	–	–	–	S	S	S

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

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

Appendix C.
Sample Design, Data Collection, and Estimation

INTRODUCTION

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

SAMPLE DESIGN

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

First Stage

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

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

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

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

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

Second Stage

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

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

Third Stage

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

DATA COLLECTION

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

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

ESTIMATION

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

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

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

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

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

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

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

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

Appendix D.
Standard Classification of Transported Goods Code Information

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

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

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

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

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

Appendix E.
Sample Report Forms and Instructions

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

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

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

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

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE.

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

SELECTING YOUR SAMPLE OF SHIPMENTS

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

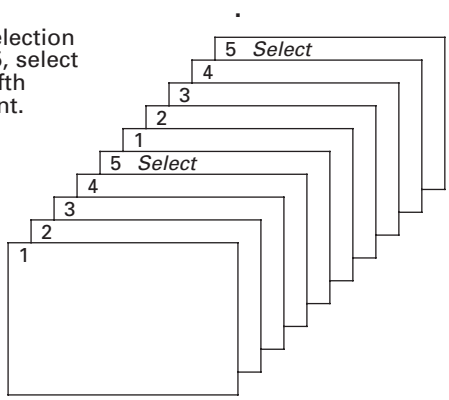
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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

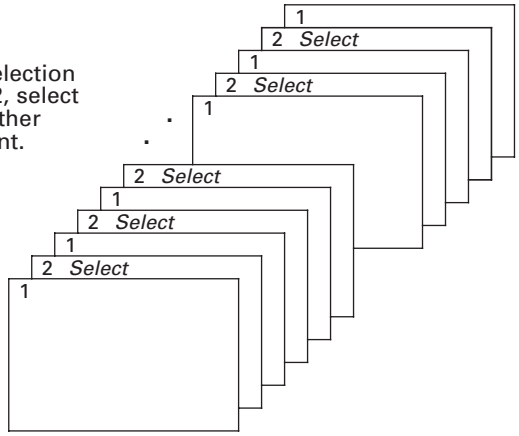
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

FORM CFS-1000 (11-1-96)

U.S. Census Bureau, 1997 Economic Census

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

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

FORM CFS-1000 (11-1-96)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

Item G

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

☐ Yes

☐ No

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

☐ Yes

☐ No

If yes to item G1 or item G2:

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

☐ Yes

☐ No

Item H

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

Total value in whole dollars

Item I

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

☐ Yes

☐ No

Item J **CERTIFICATION**

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

Signature	Title

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

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

Remarks

THANK YOU FOR COMPLETING YOUR REPORT

FORM CFS-1000 (11-1-96)

Page 7

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

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

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1997 COMMODITY FLOW SURVEY
CENSUS OF TRANSPORTATION

Reporting period:

Please return by:

RETURN TO

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

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

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

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

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

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

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

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

Month	Day	Year

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

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

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

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

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

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

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

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

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

Item E SAMPLING INSTRUCTIONS

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

FINDING YOUR SELECTION RATE

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

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

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

Please enter your selection rate. →

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

CONTINUE ON NEXT PAGE. →

Item F SHIPMENT CHARACTERISTICS

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

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

Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

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

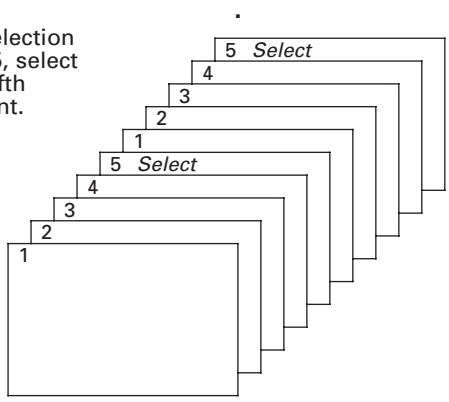
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.

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

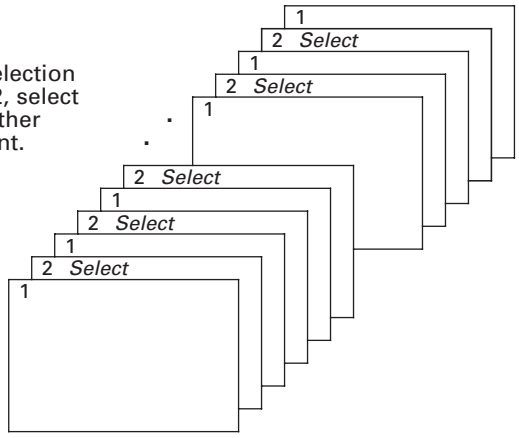
4. Repeat step 3 until you reach the last shipment for the one-week period. If the last shipment is counted as the selection rate, select this shipment to report on in item F. If the last shipment is not counted as the selection rate, do not report this shipment.

In the following examples, each rectangle represents one shipment.

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



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



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

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

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

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 4.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

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

FORM CFS-2000 (6-9-97)

PLEASE CONTINUE ON PAGE 6.

Item F **SHIPMENT CHARACTERISTICS — Continued**

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

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

Continued →

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

Total value in whole dollars

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

☐ Yes

☐ No

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

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

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

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

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

Item J USE OF OFF-SITE SHIPPING FACILITIES

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

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

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

PLEASE CONTINUE ON PAGE 8.

Item K USE AND AVAILABILITY OF TRANSPORTATION EQUIPMENT

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

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

Item L TRANSPORTATION DECISIONS

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

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

Remarks

Item M CERTIFICATION

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

Instructions for Completing the Commodity Flow Survey

TIPS FOR COMPLETING THE CFS QUESTIONNAIRE

Please read all instructions.

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

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

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

PART I – GENERAL INFORMATION

Frequently Asked Questions About the Commodity Flow Survey (CFS)

Why are you conducting the CFS?

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

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

Who reports in the CFS?

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

Why is my participation important?

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

Your report helps ensure quality results.

Is this survey mandatory?

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

Will my data be kept confidential?

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

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

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

How often must I report?

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

The CFS will not be conducted again until 2002.

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE

Items A – C

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

Item D

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

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

What we mean by a "shipment":

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

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

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

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

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

A special note about "shipments":

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

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

Item E: Sampling Instructions

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

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

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

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

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics

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

Item F **SHIPMENT CHARACTERISTICS**

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

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

Continued →

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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

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

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

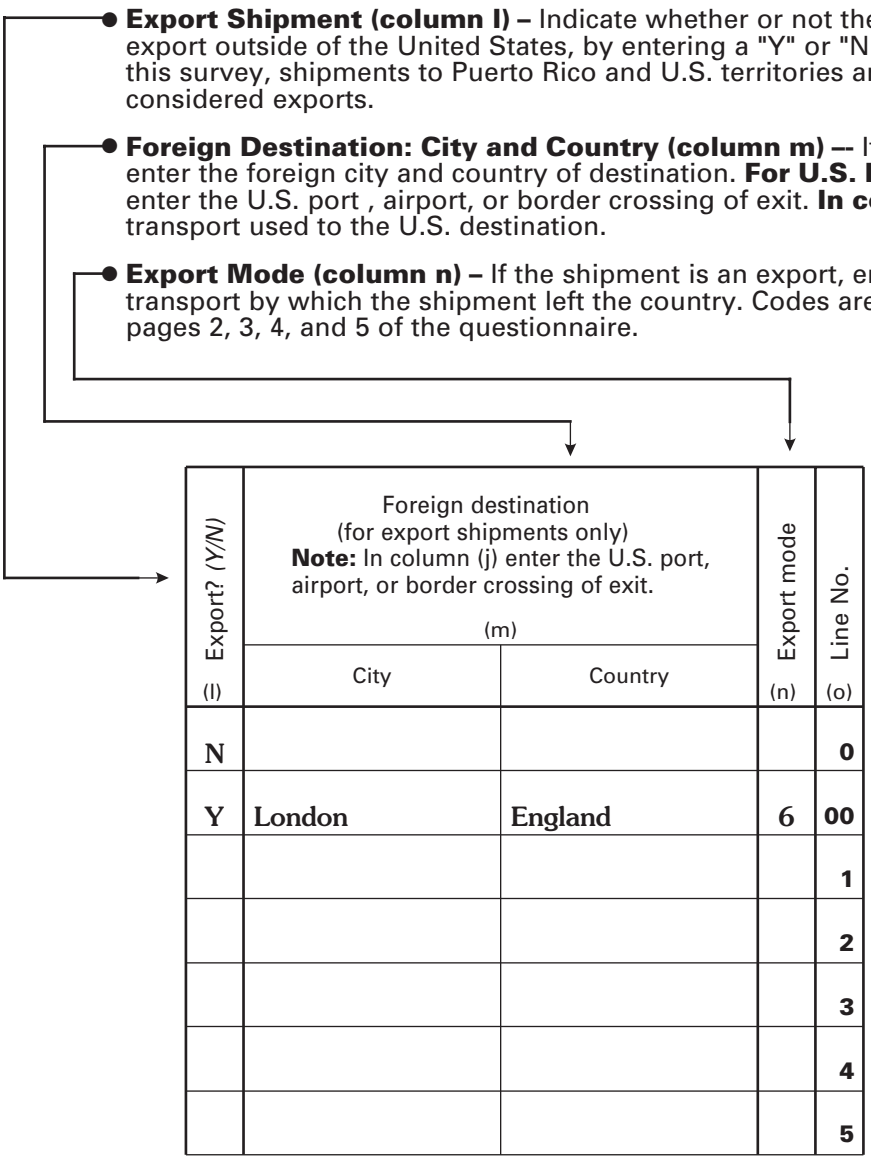
  For Export Shipments: List only the mode(s) of transport used to reach the port, airport, or border crossing of exit.

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

PART II – INSTRUCTIONS FOR COMPLETING YOUR QUESTIONNAIRE – Continued

Item F: Shipment Characteristics – Continued

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



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

Items G – I

Please enter the information requested.

Item J: Certification

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

PART III – MODE DEFINITIONS

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

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

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

Railroad– Any common carrier or private railroad.

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

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

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

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

Other mode – Any mode not listed above.

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

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

PART IV -- STATE ABBREVIATION LIST

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

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