

United States

1997

Issued December 1999

EC97TCF-US

1997 Economic Census

Transportation

1997 Commodity Flow Survey



U.S. Department of Transportation
BUREAU OF TRANSPORTATION STATISTICS

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

BASIS OF REPORTING

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

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are

published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

HISTORICAL INFORMATION

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

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

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

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

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

SOURCES FOR MORE INFORMATION

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

1997 Commodity Flow Survey

GENERAL

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

This report presents the final United States summary data. It contains more detail than the preliminary United States report issued in December 1998 and reflects all revisions based on the geographic level analyses conducted since then. Additional reports will include data for census regions, divisions, 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

¹We 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 United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0	472
Single modes	5 719 558	82.4	10 436 538	94.1	2 383 473	89.6	184
Truck ¹	4 981 531	71.7	7 700 675	69.4	1 023 506	38.5	144
For-hire truck	2 901 345	41.8	3 402 605	30.7	741 117	27.8	485
Private truck	2 036 528	29.3	4 137 294	37.3	268 592	10.1	53
Rail	319 629	4.6	1 549 817	14.0	1 022 547	38.4	769
Water	75 840	1.1	563 369	5.1	261 747	9.8	482
Shallow draft	53 897	.8	414 758	3.7	189 284	7.1	177
Great Lakes	1 504	—	38 421	.3	13 415	.5	204
Deep draft	20 439	.3	110 191	1.0	59 047	2.2	1 024
Air (includes truck and air)	229 062	3.3	4 475	—	6 233	.2	1 380
Pipeline ²	113 497	1.6	618 202	5.6	S	S	S
Multiple modes	945 874	13.6	216 673	2.0	204 514	7.7	813
Parcel, U.S. Postal Service or courier	855 897	12.3	23 689	.2	17 994	.7	813
Truck and rail	75 695	1.1	54 246	.5	55 561	2.1	1 347
Truck and water	8 241	.1	33 215	.3	34 767	1.3	1 265
Rail and water	1 771	—	79 275	.7	77 590	2.9	1 092
Other multiple modes	4 269	—	26 248	.2	18 603	.7	S
Other and unknown modes	278 555	4.0	436 521	3.9	73 376	2.8	122

— 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.

²CFS 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 United States: 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	6 943 988	5 846 334	18.8	11 089 733	9 688 493	14.5	2 661 363	2 420 915	9.9	472	424	11.4
Single modes	5 719 558	4 941 452	15.7	10 436 538	8 922 286	17.0	2 383 473	2 136 873	11.5	184	197	-6.4
Truck ¹	4 981 531	4 403 494	13.1	7 700 675	6 385 915	20.6	1 023 506	869 536	17.7	144	144	-.1
For-hire truck	2 901 345	2 625 093	10.5	3 402 605	2 808 279	21.2	741 117	629 000	17.8	485	472	2.9
Private truck	2 036 528	1 755 837	16.0	4 137 294	3 543 513	16.8	268 592	235 897	13.9	53	52	2.1
Rail	319 629	247 394	29.2	1 549 817	1 544 148	.4	1 022 547	942 561	8.5	769	766	.3
Water	75 840	61 628	23.1	563 369	505 440	11.5	261 747	271 998	-3.8	482	S	S
Shallow draft	53 897	40 707	32.4	414 758	362 454	14.4	189 284	164 371	15.2	177	S	S
Great Lakes	1 504	S	S	38 421	33 041	16.3	13 415	12 395	8.2	204	534	-61.8
Deep draft	20 439	19 749	3.5	110 191	109 945	.2	59 047	95 232	-38.0	1 024	1 861	-45.0
Air (includes truck and air)	229 062	139 086	64.7	4 475	3 139	42.6	6 233	4 009	55.5	1 380	1 415	-2.5
Pipeline ²	113 497	89 849	26.3	618 202	483 645	27.8	S	S	S	S	S	S
Multiple modes	945 874	662 603	42.8	216 673	225 676	-4.0	204 514	191 461	6.8	813	736	10.5
Parcel, U.S. Postal Service or courier ..	855 897	563 277	51.9	23 689	18 892	25.4	17 994	13 151	36.8	813	734	10.7
Truck and rail	75 695	83 082	-8.9	54 246	40 624	33.5	55 561	37 675	47.5	1 347	1 403	-3.9
Truck and water	8 241	9 392	-12.3	33 215	67 995	-51.2	34 767	40 610	-14.4	1 265	1 417	-10.7
Rail and water	1 771	3 636	-51.3	79 275	79 222	.1	77 590	70 219	10.5	1 092	627	74.1
Other multiple modes	4 269	3 216	32.8	26 248	18 943	38.6	18 603	S	S	S	1 082	S
Other and unknown modes ...	278 555	242 279	15.0	436 521	540 530	-19.2	73 376	92 581	-20.7	122	229	-46.9

— 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. 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.

²CFS 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 United States: Percent of Total for 1997 and 1993

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

Mode of transportation	Value (percent)		Tons (percent)		Ton-miles (percent)	
	1997	1993	1997	1993	1997	1993
All modes	100.0	100.0	100.0	100.0	100.0	100.0
Single modes	82.4	84.5	94.1	92.1	89.6	88.3
Truck ¹	71.7	75.3	69.4	65.9	38.5	35.9
For-hire truck	41.8	44.9	30.7	29.0	27.8	26.0
Private truck	29.3	30.0	37.3	36.6	10.1	9.7
Rail	4.6	4.2	14.0	15.9	38.4	38.9
Water	1.1	1.1	5.1	5.2	9.8	11.2
Shallow draft .....	.8	.7	3.7	3.7	7.1	6.8
Great Lakes	—	S	.3	.3	.5	.5
Deep draft .....	.3	.3	1.0	1.1	2.2	3.9
Air (includes truck and air)	3.3	2.4	—	—	.2	.2
Pipeline ²	1.6	1.5	5.6	5.0	S	S
Multiple modes	13.6	11.3	2.0	2.3	7.7	7.9
Parcel, U.S. Postal Service or courier	12.3	9.6	.2	.2	.7	.5
Truck and rail	1.1	1.4	.5	.4	2.1	1.6
Truck and water .....	.1	.2	.3	.7	1.3	1.7
Rail and water	—	—	.7	.8	2.9	2.9
Other multiple modes	—	—	.2	.2	.7	S
Other and unknown modes	4.0	4.1	3.9	5.6	2.8	3.8

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. 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.

²CFS 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 United States: 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	2 661 363	100.0	465
Truck	1 029 162	38.7	142
Rail	1 115 158	41.9	887
Shallow draft	226 975	8.5	253
Great Lakes	38 290	1.4	386
Deep draft	84 100	3.2	1 329
Air	5 907	.2	1 300
Parcel, U.S. Postal Service or courier	17 994	.7	813
Pipeline	S	S	S
Other and unknown modes	74 337	2.8	121

— 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.

¹Data 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 United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0
Less than 50 miles	2 168 057	31.2	6 444 454	58.1	135 926	5.1
50 to 99 miles	597 587	8.6	1 079 841	9.7	102 983	3.9
100 to 249 miles	1 062 579	15.3	1 311 278	11.8	296 032	11.1
250 to 499 miles	975 367	14.0	905 504	8.2	437 463	16.4
500 to 749 miles	656 846	9.5	541 782	4.9	467 800	17.6
750 to 999 miles	436 491	6.3	383 327	3.5	440 999	16.6
1,000 to 1,499 miles	469 777	6.8	302 918	2.7	487 859	18.3
1,500 to 1,999 miles	293 654	4.2	77 130	.7	169 651	6.4
2,000 miles or more	283 628	4.1	43 499	.4	122 651	4.6
Single modes	5 719 558	100.0	10 436 538	100.0	2 383 473	100.0
Less than 50 miles	1 882 364	32.9	6 086 713	58.3	129 554	5.4
50 to 99 miles	531 827	9.3	1 053 694	10.1	99 879	4.2
100 to 249 miles	923 312	16.1	1 238 913	11.9	276 775	11.6
250 to 499 miles	815 412	14.3	844 909	8.1	396 715	16.6
500 to 749 miles	522 226	9.1	501 869	4.8	431 554	18.1
750 to 999 miles	333 007	5.8	343 183	3.3	390 439	16.4
1,000 to 1,499 miles	332 993	5.8	269 791	2.6	426 360	17.9
1,500 to 1,999 miles	200 673	3.5	65 872	.6	144 082	6.0
2,000 miles or more	177 744	3.1	31 594	.3	88 114	3.7
Truck¹	4 981 531	100.0	7 700 675	100.0	1 023 506	100.0
Less than 50 miles	1 729 620	34.7	5 212 913	67.7	112 513	11.0
50 to 99 miles	500 926	10.1	866 735	11.3	78 296	7.6
100 to 249 miles	835 764	16.8	770 562	10.0	152 510	14.9
250 to 499 miles	709 017	14.2	415 852	5.4	178 569	17.4
500 to 749 miles	431 281	8.7	191 915	2.5	142 571	13.9
750 to 999 miles	259 706	5.2	103 369	1.3	107 112	10.5
1,000 to 1,499 miles	239 934	4.8	79 277	1.0	113 794	11.1
1,500 to 1,999 miles	149 645	3.0	37 500	.5	77 524	7.6
2,000 miles or more	125 637	2.5	22 552	.3	60 617	5.9
For-hire truck	2 901 345	100.0	3 402 605	100.0	741 117	100.0
Less than 50 miles	507 103	17.5	1 828 001	53.7	43 568	5.9
50 to 99 miles	229 895	7.9	439 406	12.9	39 956	5.4
100 to 249 miles	524 643	18.1	452 675	13.3	92 085	12.4
250 to 499 miles	577 382	19.9	313 871	9.2	136 479	18.4
500 to 749 miles	371 767	12.8	161 138	4.7	119 943	16.2
750 to 999 miles	228 802	7.9	86 137	2.5	89 217	12.0
1,000 to 1,499 miles	215 866	7.4	68 903	2.0	99 167	13.4
1,500 to 1,999 miles	134 791	4.6	32 787	1.0	67 772	9.1
2,000 miles or more	111 096	3.8	19 686	.6	52 931	7.1
Private truck	2 036 528	100.0	4 137 294	100.0	268 592	100.0
Less than 50 miles	1 209 787	59.4	3 255 615	78.7	64 693	24.1
50 to 99 miles	267 156	13.1	414 748	10.0	37 062	13.8
100 to 249 miles	303 719	14.9	306 590	7.4	58 255	21.7
250 to 499 miles	124 734	6.1	98 408	2.4	40 524	15.1
500 to 749 miles	55 224	2.7	28 753	.7	21 116	7.9
750 to 999 miles	26 745	1.3	16 321	.4	16 959	6.3
1,000 to 1,499 miles	22 570	1.1	9 828	.2	13 866	5.2
1,500 to 1,999 miles	13 858	.7	4 479	.1	9 272	3.5
2,000 miles or more	12 735	.6	2 552	—	6 846	2.5
Rail	319 629	100.0	1 549 817	100.0	1 022 547	100.0
Less than 50 miles	27 876	8.7	254 985	16.5	7 995	.8
50 to 99 miles	9 039	2.8	107 608	6.9	12 892	1.3
100 to 249 miles	39 704	12.4	285 232	18.4	82 982	8.1
250 to 499 miles	66 090	20.7	322 529	20.8	169 995	16.6
500 to 749 miles	56 369	17.6	213 720	13.8	195 037	19.1
750 to 999 miles	40 661	12.7	173 661	11.2	206 839	20.2
1,000 to 1,499 miles	47 660	14.9	159 207	10.3	264 479	25.9
1,500 to 1,999 miles	22 811	7.1	25 144	1.6	59 085	5.8
2,000 miles or more	9 418	2.9	7 731	.5	23 242	2.3
Water	75 840	100.0	563 369	100.0	261 747	100.0
Less than 50 miles	28 492	37.6	179 449	31.9	4 227	1.6
50 to 99 miles	5 551	7.3	53 806	9.6	6 822	2.6
100 to 249 miles	11 652	15.4	109 425	19.4	29 305	11.2
250 to 499 miles	8 383	11.1	65 618	11.6	35 057	13.4
500 to 749 miles	9 947	13.1	84 391	15.0	86 250	33.0
750 to 999 miles	7 251	9.6	51 822	9.2	64 095	24.5
1,000 to 1,499 miles	3 411	4.5	15 661	2.8	27 727	10.6
1,500 to 1,999 miles	S	S	S	S	6 669	2.5
2,000 miles or more	291	.4	358	—	1 595	.6
Shallow draft	53 897	100.0	414 758	100.0	189 284	100.0
Less than 50 miles	16 718	31.0	124 854	30.1	3 305	1.7
50 to 99 miles	4 574	8.5	48 037	11.6	6 175	3.3
100 to 249 miles	10 755	20.0	91 724	22.1	25 160	13.3
250 to 499 miles	7 157	13.3	44 065	10.6	25 596	13.5
500 to 749 miles	8 103	15.0	65 881	15.9	71 313	37.7
750 to 999 miles	5 404	10.0	32 731	7.9	44 942	23.7
1,000 to 1,499 miles	1 186	2.2	7 466	1.8	12 793	6.8
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 United States: 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	1 504	100.0	38 421	100.0	13 415	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	156	10.4	1 457	3.8	184	1.4
100 to 249 miles	203	13.5	13 436	35.0	2 920	21.8
250 to 499 miles	201	13.4	15 748	41.0	6 843	51.0
500 to 749 miles	S	S	4 056	10.6	3 456	25.8
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	20 439	100.0	110 191	100.0	59 047	100.0
Less than 50 miles	11 125	54.4	50 872	46.2	910	1.5
50 to 99 miles	821	4.0	S	S	S	S
100 to 249 miles	694	3.4	4 265	3.9	S	S
250 to 499 miles	1 026	5.0	5 805	5.3	2 618	4.4
500 to 749 miles	1 550	7.6	14 454	13.1	11 481	19.4
750 to 999 miles	1 847	9.0	19 091	17.3	19 153	32.4
1,000 to 1,499 miles	2 224	10.9	8 195	7.4	14 934	25.3
1,500 to 1,999 miles	S	S	S	S	6 669	11.3
2,000 miles or more	291	1.4	358	.3	1 595	2.7
Air (includes truck and air)	229 062	100.0	4 475	100.0	6 233	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	9 476	4.1	202	4.5	39	.6
100 to 249 miles	21 241	9.3	683	15.3	200	3.2
250 to 499 miles	24 856	10.9	622	13.9	380	6.1
500 to 749 miles	22 749	9.9	485	10.8	497	8.0
750 to 999 miles	24 715	10.8	455	10.2	553	8.9
1,000 to 1,499 miles	40 023	17.5	684	15.3	1 129	18.1
1,500 to 1,999 miles	27 355	11.9	374	8.4	776	12.4
2,000 miles or more	42 397	18.5	954	21.3	2 660	42.7
Pipeline²	113 497	100.0	618 202	100.0	S	S
Less than 50 miles	80 126	70.6	439 350	71.1	S	S
50 to 99 miles	6 834	6.0	25 342	4.1	S	S
100 to 249 miles	14 951	13.2	73 011	11.8	S	S
250 to 499 miles	7 065	6.2	40 288	6.5	S	S
500 to 749 miles	1 880	1.7	11 359	1.8	S	S
750 to 999 miles	673	.6	13 876	2.2	S	S
1,000 to 1,499 miles	1 965	1.7	14 961	2.4	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	945 874	100.0	216 673	100.0	204 514	100.0
Less than 50 miles	137 582	14.5	22 822	10.5	1 052	.5
50 to 99 miles	51 518	5.4	10 648	4.9	1 607	.8
100 to 249 miles	113 329	12.0	40 282	18.6	12 845	6.3
250 to 499 miles	137 019	14.5	42 586	19.7	33 194	16.2
500 to 749 miles	118 238	12.5	29 899	13.8	29 028	14.2
750 to 999 miles	91 764	9.7	33 354	15.4	43 266	21.2
1,000 to 1,499 miles	118 096	12.5	23 715	10.9	47 902	23.4
1,500 to 1,999 miles	81 396	8.6	7 271	3.4	17 348	8.5
2,000 miles or more	96 933	10.2	6 097	2.8	18 271	8.9
Parcel, U.S. Postal Service or courier	855 897	100.0	23 689	100.0	17 994	100.0
Less than 50 miles	133 110	15.6	4 307	18.2	109	.6
50 to 99 miles	50 068	5.8	1 704	7.2	161	.9
100 to 249 miles	108 219	12.6	3 546	15.0	750	4.2
250 to 499 miles	122 987	14.4	3 611	15.2	1 617	9.0
500 to 749 miles	102 092	11.9	2 869	12.1	2 154	12.0
750 to 999 miles	81 975	9.6	2 257	9.5	2 354	13.1
1,000 to 1,499 miles	104 860	12.3	2 270	9.6	3 271	18.2
1,500 to 1,999 miles	64 189	7.5	1 542	6.5	3 170	17.6
2,000 miles or more	88 396	10.3	1 585	6.7	4 408	24.5
Truck and rail	75 695	100.0	54 246	100.0	55 561	100.0
Less than 50 miles	1 602	2.1	8 650	15.9	350	.6
50 to 99 miles	848	1.1	S	S	S	S
100 to 249 miles	2 650	3.5	5 949	11.0	1 654	3.0
250 to 499 miles	12 310	16.3	6 139	11.3	3 696	6.7
500 to 749 miles	14 928	19.7	6 044	11.1	5 602	10.1
750 to 999 miles	8 523	11.3	3 919	7.2	4 719	8.5
1,000 to 1,499 miles	11 974	15.8	8 616	15.9	16 095	29.0
1,500 to 1,999 miles	16 534	21.8	5 436	10.0	13 159	23.7
2,000 miles or more	6 326	8.4	3 030	5.6	9 197	16.6
Truck and water	8 241	100.0	33 215	100.0	34 767	100.0
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	460	5.6	1 118	3.4	124	.4
100 to 249 miles	1 236	15.0	10 147	30.5	3 399	9.8
250 to 499 miles	744	9.0	9 368	28.2	5 651	16.3
500 to 749 miles	456	5.5	3 785	11.4	4 082	11.7
750 to 999 miles	693	8.4	2 776	8.4	4 480	12.9
1,000 to 1,499 miles	1 096	13.3	S	S	S	S
1,500 to 1,999 miles	655	7.9	258	.8	913	2.6
2,000 miles or more	2 008	24.4	1 340	4.0	4 131	11.9

See footnotes at end of table.

Table 3. Shipment Characteristics by Mode of Transportation and Distance Shipped for the United States: 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	1 771	100.0	79 275	100.0	77 590	100.0
Less than 50 miles	21	1.2	1 016	1.3	120	.2
50 to 99 miles	9	.5	381	.5	54	—
100 to 249 miles	352	19.9	12 543	15.8	4 432	5.7
250 to 499 miles	604	34.1	21 049	26.6	16 597	21.4
500 to 749 miles	358	20.2	11 569	14.6	10 293	13.3
750 to 999 miles	319	18.0	23 514	29.7	30 333	39.1
1,000 to 1,499 miles	88	5.0	9 167	11.6	15 637	20.2
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	4 269	100.0	26 248	100.0	18 603	100.0
Less than 50 miles	1 955	45.8	7 730	29.5	437	2.4
50 to 99 miles	133	3.1	983	3.7	S	S
100 to 249 miles	S	S	8 097	30.8	2 612	14.0
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	184	4.3	111	.4	423	2.3
Other and unknown modes	278 555	100.0	436 521	100.0	73 376	100.0
Less than 50 miles	148 111	53.2	334 919	76.7	5 320	7.3
50 to 99 miles	14 241	5.1	15 499	3.6	1 497	2.0
100 to 249 miles	25 938	9.3	32 082	7.3	6 411	8.7
250 to 499 miles	22 936	8.2	18 010	4.1	7 554	10.3
500 to 749 miles	16 382	5.9	10 014	2.3	7 218	9.8
750 to 999 miles	11 721	4.2	6 790	1.6	7 294	9.9
1,000 to 1,499 miles	18 688	6.7	9 413	2.2	13 597	18.5
1,500 to 1,999 miles	11 585	4.2	3 986	.9	8 221	11.2
2,000 miles or more	8 952	3.2	5 808	1.3	16 266	22.2

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

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

¹"Truck" as a single mode includes shipments which went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck.

²CFS 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 United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0	472
Less than 50 lb	853 289	12.3	21 348	.2	9 950	.4	574
50 to 99 lb	249 541	3.6	14 200	.1	4 450	.2	312
100 to 499 lb	727 368	10.5	82 166	.7	19 601	.7	243
500 to 749 lb	219 136	3.2	38 955	.4	8 852	.3	225
750 to 999 lb	154 348	2.2	32 484	.3	7 260	.3	223
1,000 to 9,999 lb	1 536 448	22.1	579 490	5.2	131 388	4.9	225
10,000 to 49,999 lb	2 286 364	32.9	4 073 970	36.7	734 805	27.6	183
50,000 to 99,999 lb	360 091	5.2	2 229 997	20.1	188 735	7.1	83
100,000 lb or more	557 404	8.0	4 017 124	36.2	1 556 321	58.5	418
Single modes	5 719 558	100.0	10 436 538	100.0	2 383 473	100.0	184
Less than 50 lb	262 903	4.6	9 899	—	1 577	—	185
50 to 99 lb	125 286	2.2	9 434	—	1 464	—	152
100 to 499 lb	548 970	9.6	71 428	.7	13 998	.6	187
500 to 749 lb	193 277	3.4	36 468	.3	7 761	.3	211
750 to 999 lb	141 324	2.5	30 698	.3	6 498	.3	211
1,000 to 9,999 lb	1 409 283	24.6	547 808	5.2	115 667	4.9	210
10,000 to 49,999 lb	2 180 346	38.1	3 980 318	38.1	676 207	28.4	173
50,000 to 99,999 lb	341 112	6.0	2 185 733	20.9	174 102	7.3	79
100,000 lb or more	517 056	9.0	3 564 752	34.2	1 386 198	58.2	412
Truck¹	4 981 531	100.0	7 700 675	100.0	1 023 506	100.0	144
Less than 50 lb	189 451	3.8	9 546	.1	1 083	.1	111
50 to 99 lb	102 809	2.1	9 264	.1	1 217	.1	127
100 to 499 lb	499 753	10.0	70 727	.9	13 035	1.3	173
500 to 749 lb	182 787	3.7	36 230	.5	7 452	.7	204
750 to 999 lb	135 940	2.7	30 553	.4	6 323	.6	206
1,000 to 9,999 lb	1 368 634	27.5	544 479	7.1	112 170	11.0	205
10,000 to 49,999 lb	2 121 594	42.6	3 957 795	51.4	651 445	63.6	167
50,000 to 99,999 lb	296 824	6.0	2 162 393	28.1	158 769	15.5	74
100,000 lb or more	83 741	1.7	879 688	11.4	72 014	7.0	86
For-hire truck	2 901 345	100.0	3 402 605	100.0	741 117	100.0	485
Less than 50 lb	58 347	2.0	1 399	—	708	.1	500
50 to 99 lb	39 334	1.4	1 429	—	805	.1	552
100 to 499 lb	257 282	8.9	15 746	.5	9 694	1.3	609
500 to 749 lb	101 790	3.5	8 826	.3	5 682	.8	640
750 to 999 lb	78 532	2.7	7 503	.2	4 722	.6	629
1,000 to 9,999 lb	791 418	27.3	159 612	4.7	81 609	11.0	547
10,000 to 49,999 lb	1 377 409	47.5	1 778 614	52.3	495 507	66.9	303
50,000 to 99,999 lb	145 178	5.0	1 039 477	30.5	93 856	12.7	90
100,000 lb or more	52 054	1.8	389 999	11.5	48 535	6.5	115
Private truck	2 036 528	100.0	4 137 294	100.0	268 592	100.0	53
Less than 50 lb	130 009	6.4	8 088	.2	361	.1	45
50 to 99 lb	62 538	3.1	7 753	.2	399	.1	51
100 to 499 lb	239 203	11.7	54 573	1.3	3 248	1.2	57
500 to 749 lb	79 579	3.9	27 155	.7	1 713	.6	63
750 to 999 lb	56 525	2.8	22 810	.6	1 552	.6	68
1,000 to 9,999 lb	564 981	27.7	379 889	9.2	29 389	10.9	74
10,000 to 49,999 lb	724 552	35.6	2 114 286	51.1	148 349	55.2	70
50,000 to 99,999 lb	148 984	7.3	1 089 152	26.3	62 521	23.3	58
100,000 lb or more	30 156	1.5	433 588	10.5	21 061	7.8	56
Rail	319 629	100.0	1 549 817	100.0	1 022 547	100.0	769
Less than 50 lb	191	—	4	—	1	—	271
50 to 99 lb	23	—	S	S	1	—	S
100 to 499 lb	272	—	28	—	17	—	499
500 to 749 lb	104	—	15	—	8	—	524
750 to 999 lb	68	—	10	—	10	—	992
1,000 to 9,999 lb	15 480	4.8	1 560	.1	1 714	.2	1 085
10,000 to 49,999 lb	46 887	14.7	17 318	1.1	21 427	2.1	1 251
50,000 to 99,999 lb	37 107	11.6	21 010	1.4	14 514	1.4	695
100,000 lb or more	219 497	68.7	1 509 869	97.4	984 856	96.3	721
Water	75 840	100.0	563 369	100.0	261 747	100.0	482
Less than 50 lb	43	—	2	—	S	S	466
50 to 99 lb	28	—	2	—	S	S	1 069
100 to 499 lb	175	.2	28	—	S	S	604
500 to 749 lb	S	S	10	—	5	—	466
750 to 999 lb	30	—	10	—	12	—	1 310
1,000 to 9,999 lb	522	.7	S	S	53	—	S
10,000 to 49,999 lb	1 912	2.5	2 709	.5	S	S	S
50,000 to 99,999 lb	327	.4	907	.2	288	.1	S
100,000 lb or more	72 570	95.7	559 235	99.3	259 553	99.2	528
Shallow draft	53 897	100.0	414 758	100.0	189 284	100.0	177
Less than 50 lb	17	—	S	S	—	—	S
50 to 99 lb	S	S	S	S	—	—	S
100 to 499 lb	S	S	S	S	1	—	S
500 to 749 lb	S	S	7	—	S	S	209
750 to 999 lb	S	S	2	—	S	S	48
1,000 to 9,999 lb	256	.5	S	S	7	—	S
10,000 to 49,999 lb	780	1.4	1 305	.3	145	—	S
50,000 to 99,999 lb	217	.4	673	.2	S	S	S
100,000 lb or more	52 310	97.1	412 469	99.4	189 003	99.9	516

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the United States: 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	1 504	100.0	38 421	100.0	13 415	100.0	204
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	707
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	33
10,000 to 49,999 lb	S	S	S	S	S	S	9
50,000 to 99,999 lb	S	S	S	S	S	S	10
100,000 lb or more	1 479	98.4	38 357	99.8	13 415	100.0	349
Deep draft	20 439	100.0	110 191	100.0	59 047	100.0	1 024
Less than 50 lb	26	.1	1	—	S	S	1 192
50 to 99 lb	S	S	1	—	S	S	2 553
100 to 499 lb	S	S	11	—	S	S	1 420
500 to 749 lb	S	S	4	—	S	S	894
750 to 999 lb	23	.1	8	—	12	—	1 573
1,000 to 9,999 lb	265	1.3	S	S	46	—	S
10,000 to 49,999 lb	1 130	5.5	1 396	1.3	S	S	807
50,000 to 99,999 lb	88	.4	177	.2	160	.3	873
100,000 lb or more	18 781	91.9	108 410	98.4	57 135	96.8	637
Air (includes truck and air)	229 062	100.0	4 475	100.0	6 233	100.0	1 380
Less than 50 lb	73 193	32.0	346	7.7	493	7.9	1 367
50 to 99 lb	22 356	9.8	164	3.7	245	3.9	1 498
100 to 499 lb	48 769	21.3	644	14.4	932	14.9	1 456
500 to 749 lb	10 153	4.4	211	4.7	296	4.7	1 409
750 to 999 lb	5 286	2.3	125	2.8	152	2.4	1 225
1,000 to 9,999 lb	24 422	10.7	1 156	25.8	1 686	27.0	1 474
10,000 to 49,999 lb	9 283	4.1	1 010	22.6	1 357	21.8	1 408
50,000 to 99,999 lb	6 174	2.7	374	8.4	328	5.3	948
100,000 lb or more	29 426	12.8	445	9.9	744	11.9	1 649
Pipeline²	113 497	100.0	618 202	100.0	S	S	S
Less than 50 lb	25	—	—	—	S	S	S
50 to 99 lb	S	—	—	—	S	S	S
100 to 499 lb	2	—	—	—	S	S	S
500 to 749 lb	S	—	—	—	S	S	S
750 to 999 lb	S	—	—	—	S	S	S
1,000 to 9,999 lb	225	.2	146	—	S	S	S
10,000 to 49,999 lb	670	.6	1 486	.2	S	S	S
50,000 to 99,999 lb	681	.6	1 050	.2	S	S	S
100,000 lb or more	111 823	98.5	615 515	99.6	S	S	S
Multiple modes	945 874	100.0	216 673	100.0	204 514	100.0	813
Less than 50 lb	556 167	58.8	10 324	4.8	8 265	4.0	819
50 to 99 lb	114 589	12.1	3 994	1.8	2 925	1.4	730
100 to 499 lb	155 966	16.5	7 340	3.4	5 306	2.6	726
500 to 749 lb	19 705	2.1	1 214	.6	887	.4	723
750 to 999 lb	9 579	1.0	839	.4	662	.3	781
1,000 to 9,999 lb	33 620	3.6	4 067	1.9	4 145	2.0	1 044
10,000 to 49,999 lb	41 594	4.4	21 766	10.0	34 224	16.7	1 551
50,000 to 99,999 lb	4 140	.4	14 312	6.6	7 532	3.7	513
100,000 lb or more	10 515	1.1	152 816	70.5	140 568	68.7	961
Parcel, U.S. Postal Service or courier	855 897	100.0	23 689	100.0	17 994	100.0	813
Less than 50 lb	556 012	65.0	10 321	43.6	8 260	45.9	819
50 to 99 lb	114 451	13.4	3 988	16.8	2 916	16.2	729
100 to 499 lb	155 417	18.2	7 265	30.7	5 224	29.0	723
500 to 749 lb	19 377	2.3	1 168	4.9	834	4.6	706
750 to 999 lb	9 258	1.1	791	3.3	608	3.4	760
1,000 to 9,999 lb	1 383	.2	157	.7	S	S	970
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	75 695	100.0	54 246	100.0	55 561	100.0	1 347
Less than 50 lb	37	—	1	—	2	—	2 107
50 to 99 lb	27	—	1	—	2	—	1 720
100 to 499 lb	213	.3	20	—	36	—	1 810
500 to 749 lb	90	.1	13	—	23	—	1 763
750 to 999 lb	S	S	10	—	17	—	1 789
1,000 to 9,999 lb	29 541	39.0	2 973	5.5	3 354	6.0	1 144
10,000 to 49,999 lb	38 726	51.2	18 545	34.2	29 556	53.2	1 585
50,000 to 99,999 lb	S	S	3 536	6.5	1 967	3.5	524
100,000 lb or more	3 760	5.0	29 145	53.7	20 604	37.1	965
Truck and water	8 241	100.0	33 215	100.0	34 767	100.0	1 265
Less than 50 lb	114	1.4	2	—	S	S	1 430
50 to 99 lb	109	1.3	4	—	S	S	1 577
100 to 499 lb	332	4.0	50	.2	45	.1	1 023
500 to 749 lb	234	2.8	22	—	30	—	1 366
750 to 999 lb	136	1.7	22	—	36	.1	1 634
1,000 to 9,999 lb	2 110	25.6	374	1.1	621	1.8	1 681
10,000 to 49,999 lb	2 417	29.3	2 599	7.8	4 124	11.9	1 523
50,000 to 99,999 lb	534	6.5	9 355	28.2	5 348	15.4	595
100,000 lb or more	2 256	27.4	20 786	62.6	24 553	70.6	1 109

See footnotes at end of table.

Table 4. Shipment Characteristics by Mode of Transportation and Shipment Size for the United States: 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	1 771	100.0	79 275	100.0	77 590	100.0	1 092
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	2 725
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	563
10,000 to 49,999 lb	S	S	S	S	S	S	2 415
50,000 to 99,999 lb	S	S	S	S	S	S	1 458
100,000 lb or more	1 741	98.3	79 136	99.8	77 381	99.7	944
Other multiple modes	4 269	100.0	26 248	100.0	18 603	100.0	S
Less than 50 lb	S	S	—	—	S	S	465
50 to 99 lb	S	S	—	—	S	S	195
100 to 499 lb	S	.1	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	11
1,000 to 9,999 lb	585	13.7	562	2.1	18	.1	S
10,000 to 49,999 lb	442	10.4	609	2.3	518	2.8	711
50,000 to 99,999 lb	457	10.7	1 295	4.9	34	.2	26
100,000 lb or more	2 758	64.6	23 748	90.5	18 031	96.9	799
Other and unknown modes	278 555	100.0	436 521	100.0	73 376	100.0	122
Less than 50 lb	34 219	12.3	1 125	.3	108	.1	104
50 to 99 lb	9 666	3.5	771	.2	60	—	76
100 to 499 lb	22 431	8.1	3 398	.8	297	.4	87
500 to 749 lb	6 154	2.2	1 272	.3	204	.3	154
750 to 999 lb	3 445	1.2	946	.2	101	.1	107
1,000 to 9,999 lb	93 545	33.6	27 614	6.3	11 576	15.8	411
10,000 to 49,999 lb	64 423	23.1	71 887	16.5	24 373	33.2	367
50,000 to 99,999 lb	14 839	5.3	29 951	6.9	7 101	9.7	234
100,000 lb or more	29 833	10.7	299 556	68.6	29 555	40.3	394

— 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.

²CFS data for pipeline exclude most shipments of crude oil. See "Mileage Calculations" section for details of CFS coverage.

Table 5a. Shipment Characteristics by Two-Digit Commodity for the United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0	472
01	Live animals and live fish	6 173	—	5 922	—	1 497	—	272
02	Cereal grains	59 642	.9	489 693	4.4	200 594	7.5	125
03	Other agricultural products	102 344	1.5	201 661	1.8	80 762	3.0	438
04	Animal feed and products of animal origin, n.e.c.	66 848	1.0	219 699	2.0	46 770	1.8	79
05	Meat, fish, seafood, and their preparations	183 784	2.6	79 485	.7	36 383	1.4	137
06	Milled grain products and preparations, and bakery products	109 854	1.6	102 721	.9	48 487	1.8	122
07	Other prepared foodstuffs and fats and oils	346 379	5.0	396 882	3.6	124 110	4.7	127
08	Alcoholic beverages	87 932	1.3	81 079	.7	27 812	1.0	58
09	Tobacco products	56 394	.8	4 128	—	1 011	—	296
10	Monumental or building stone	2 726	—	15 893	.1	1 472	—	115
11	Natural sands	4 279	—	442 509	4.0	25 460	1.0	46
12	Gravel and crushed stone	11 508	.2	1 814 761	16.4	92 862	3.5	36
13	Nonmetallic minerals n.e.c.	11 329	.2	235 731	2.1	52 229	2.0	174
14	Metallic ores and concentrates	12 605	.2	90 705	.8	47 666	1.8	303
15	Coal	25 486	.4	1 217 038	11.0	542 300	20.4	81
17	Gasoline and aviation turbine fuel	217 051	3.1	962 815	8.7	136 639	5.1	45
18	Fuel oils	94 309	1.4	481 682	4.3	51 171	1.9	28
19	Coal and petroleum products, n.e.c.	74 900	1.1	475 105	4.3	81 873	3.1	85
20	Basic chemicals	159 623	2.3	296 056	2.7	136 806	5.1	332
21	Pharmaceutical products	224 448	3.2	9 897	—	5 580	.2	692
22	Fertilizers	27 334	.4	179 056	1.6	43 562	1.6	116
23	Chemical products and preparations, n.e.c.	209 487	3.0	92 034	.8	45 004	1.7	333
24	Plastics and rubber	278 832	4.0	130 411	1.2	69 092	2.6	451
25	Logs and other wood in the rough	15 129	.2	370 686	3.3	28 090	1.1	85
26	Wood products	126 426	1.8	329 119	3.0	96 896	3.6	287
27	Pulp, newsprint, paper, and paperboard	106 578	1.5	152 290	1.4	83 669	3.1	194
28	Paper or paperboard articles	98 347	1.4	73 513	.7	22 013	.8	307
29	Printed products	260 327	3.7	78 053	.7	22 797	.9	431
30	Textiles, leather, and articles of textiles or leather	379 161	5.5	45 872	.4	24 666	.9	912
31	Nonmetallic mineral products	109 197	1.6	910 133	8.2	91 412	3.4	401
32	Base metal in primary or semifinished forms and in finished basic shapes	285 690	4.1	335 878	3.0	117 479	4.4	276
33	Articles of base metal	227 182	3.3	106 519	1.0	48 691	1.8	403
34	Machinery	417 103	6.0	49 915	.5	27 037	1.0	356
35	Electronic and other electrical equipment and components and office equipment	869 675	12.5	39 612	.4	27 053	1.0	640
36	Motorized and other vehicles (including parts)	570 981	8.2	98 074	.9	45 907	1.7	278
37	Transportation equipment, n.e.c.	129 185	1.9	5 477	—	3 758	.1	796
38	Precision instruments and apparatus	157 946	2.3	2 939	—	2 169	—	840
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	97 255	1.4	19 910	.2	11 565	.4	625
40	Miscellaneous manufactured products	420 883	6.1	112 492	1.0	39 872	1.5	860
41	Waste and scrap	32 714	.5	177 824	1.6	40 126	1.5	164
43	Mixed freight	230 415	3.3	110 271	1.0	17 224	.6	252
--	Commodity unknown	36 527	.5	46 191	.4	11 796	.4	499

— 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 5b. Shipment Characteristics by Two-Digit Commodity for the United States: 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]

SCTG code	Commodity description	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 commodities	6 943 988	5 846 334	18.8	11 089 733	9 688 493	14.5	2 661 363	2 420 915	9.9	472	424	11.4
01	Live animals and live fish	6 173	11 876	-48.0	5 922	10 342	-42.7	1 497	2 470	-39.4	272	91	197.3
02	Cereal grains	59 642	44 884	32.9	489 693	440 182	11.2	200 594	202 003	-7	125	106	17.6
03	Other agricultural products	102 344	86 507	18.3	201 661	200 487	.6	80 762	74 369	8.6	438	261	68.2
04	Animal feed and products of animal origin, n.e.c.	66 848	64 272	4.0	219 699	210 854	4.2	46 770	51 137	-8.5	79	105	-25.0
05	Meat, fish, seafood, and their preparations	183 784	169 025	8.7	79 485	69 083	15.1	36 383	31 706	14.8	137	145	-5.5
06	Milled grain products and preparations, and bakery products ..	109 854	89 609	22.6	102 721	91 809	11.9	48 487	38 278	26.7	122	89	36.8
07	Other prepared foodstuffs and fats and oils	346 379	346 631	-1	396 882	372 320	6.6	124 110	126 609	-2.0	127	113	13.0
08	Alcoholic beverages	87 932	76 228	15.4	81 079	71 196	13.9	27 812	17 570	58.3	58	41	42.5
09	Tobacco products	56 394	58 981	-4.4	4 128	2 608	58.3	1 011	822	23.0	296	146	103.1
10	Monumental or building stone	2 726	1 013	169.0	15 893	101 595	-84.4	1 472	4 294	-65.7	115	43	169.2
11	Natural sands	4 279	2 593	65.0	442 509	404 802	9.3	25 460	27 465	-7.3	46	43	6.1
12	Gravel and crushed stone	11 508	5 651	103.7	1 814 761	977 498	85.7	92 862	58 012	60.1	36	34	5.0
13	Nonmetallic minerals n.e.c.	11 329	9 572	18.4	235 731	294 352	-19.9	52 229	62 382	-16.3	174	544	-68.0
14	Metallic ores and concentrates	12 605	7 706	63.6	90 705	149 515	-39.3	47 666	36 875	29.3	303	315	-3.9
15	Coal	25 486	23 449	8.7	1 217 038	1 129 945	7.7	542 300	487 791	11.2	81	86	-5.4
17	Gasoline and aviation turbine fuel ..	217 051	203 174	6.8	962 815	911 925	5.6	136 639	101 518	34.6	45	38	18.4
18	Fuel oils	94 309	71 790	31.4	481 682	448 114	7.5	51 171	59 353	-13.8	28	28	-
19	Coal and petroleum products, n.e.c.	74 900	103 662	-27.7	475 105	524 170	-9.4	81 873	113 768	-28.0	85	189	-55.3
20	Basic chemicals	159 623	101 194	57.7	296 056	245 954	20.4	136 806	108 795	25.7	332	162	104.5
21	Pharmaceutical products	224 448	163 482	37.3	9 897	6 657	48.7	5 580	4 194	33.0	692	419	64.9
22	Fertilizers	27 334	17 049	60.3	179 056	130 800	36.9	43 562	50 931	-14.5	116	160	-27.3
23	Chemical products and preparations, n.e.c.	209 487	214 905	-2.5	92 034	81 421	13.0	45 004	38 414	17.2	333	392	-15.1
24	Plastics and rubber	278 832	236 136	18.1	130 411	108 966	19.7	69 092	62 679	10.2	451	480	-5.9
25	Logs and other wood in the rough ..	15 129	14 868	1.8	370 686	375 771	-1.4	28 090	40 878	-31.3	85	72	18.1
26	Wood products	126 426	109 205	15.8	329 119	347 237	-5.2	96 896	98 005	-1.1	287	258	11.3
27	Pulp, newsprint, paper, and paperboard	106 578	93 680	13.8	152 290	141 882	7.3	83 669	77 253	8.3	194	107	80.9
28	Paper or paperboard articles	98 347	98 791	-4	73 513	67 990	8.1	22 013	20 491	7.4	307	319	-3.9
29	Printed products	260 327	178 240	46.1	78 053	53 128	46.9	22 797	17 210	32.5	431	-	S
30	Textiles, leather, and articles of textiles or leather	379 161	448 906	-15.5	45 872	41 965	9.3	24 666	23 481	5.0	912	893	2.1
31	Nonmetallic mineral products	109 197	90 680	20.4	910 133	817 382	11.3	91 412	85 620	6.8	401	340	17.9
32	Base metal in primary or semifinished forms and in finished basic shapes	285 690	144 625	97.5	335 878	181 669	84.9	117 479	70 297	67.1	276	252	9.3
33	Articles of base metal	227 182	286 328	-20.7	106 519	132 824	-19.8	48 691	49 013	-7	403	382	5.6
34	Machinery	417 103	384 937	8.4	49 915	42 021	18.8	27 037	22 513	20.1	356	392	-9.3
35	Electronic and other electrical equipment and components and office equipment	869 675	514 748	69.0	39 612	27 993	41.5	27 053	19 099	41.7	640	713	-10.3
36	Motorized and other vehicles (including parts)	570 981	498 471	14.5	98 074	86 886	12.9	45 907	46 910	-2.1	278	319	-12.9
37	Transportation equipment, n.e.c. ...	129 185	129 017	.1	5 477	6 312	-13.2	3 758	3 597	4.5	796	821	-3.1
38	Precision instruments and apparatus	157 946	166 141	-4.9	2 939	5 772	-49.1	2 169	3 212	-32.5	840	639	31.6
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	97 255	86 427	12.5	19 910	19 313	3.1	11 565	11 282	2.5	625	517	20.9
40	Miscellaneous manufactured products	420 883	232 784	80.8	112 492	25 931	333.8	39 872	12 721	213.4	860	884	-2.7
41	Waste and scrap	32 714	22 570	44.9	177 824	152 970	16.2	40 126	31 410	27.8	164	157	4.0
43	Mixed freight	230 415	206 589	11.5	110 271	97 696	12.9	17 224	14 359	20.0	252	219	15.3
--	Commodity unknown	36 527	21 941	66.5	46 191	7 804	491.9	11 796	2 522	367.6	499	477	4.6

- 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.

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

Note: The estimates for 1993 shown in this table were originally collected using the Standard Transportation Commodity Code (STCC) classification system. To produce the comparisons in this table, these data were recoded to the SCTG system and retabulated. Because of the different approaches used by these two systems in classifying commodities (the STCC links them to an industry structure while the SCTG does not), the estimates for 1993 and their comparisons with 1997 are not as accurate as they would have been had the 1993 data been collected using the SCTG system.

Table 5c. Shipment Characteristics by Two-Digit Commodity for the United States: 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]

SCTG code	Commodity description	Value (percent)		Tons (percent)		Ton-miles (percent)	
		1997	1993	1997	1993	1997	1993
	All commodities	100.0	100.0	100.0	100.0	100.0	100.0
01	Live animals and live fish	—	.2	—	.1	—	.1
02	Cereal grains	.9	.8	4.4	4.5	7.5	8.3
03	Other agricultural products	1.5	1.5	1.8	2.1	3.0	3.1
04	Animal feed and products of animal origin, n.e.c.	1.0	1.1	2.0	2.2	1.8	2.1
05	Meat, fish, seafood, and their preparations	2.6	2.9	.7	.7	1.4	1.3
06	Milled grain products and preparations, and bakery products	1.6	1.5	.9	.9	1.8	1.6
07	Other prepared foodstuffs and fats and oils	5.0	5.9	3.6	3.8	4.7	5.2
08	Alcoholic beverages	1.3	1.3	.7	.7	1.0	.7
09	Tobacco products	.8	1.0	—	—	—	—
10	Monumental or building stone	—	—	.1	1.0	—	.2
11	Natural sands	—	—	4.0	4.2	1.0	1.1
12	Gravel and crushed stone	.2	.1	16.4	10.1	3.5	2.4
13	Nonmetallic minerals n.e.c.	.2	.2	2.1	3.0	2.0	2.6
14	Metallic ores and concentrates	.2	.1	.8	1.5	1.8	1.5
15	Coal	.4	.4	11.0	11.7	20.4	20.1
17	Gasoline and aviation turbine fuel	3.1	3.5	8.7	9.4	5.1	4.2
18	Fuel oils	1.4	1.2	4.3	4.6	1.9	2.5
19	Coal and petroleum products, n.e.c.	1.1	1.8	4.3	5.4	3.1	4.7
20	Basic chemicals	2.3	1.7	2.7	2.5	5.1	4.5
21	Pharmaceutical products	3.2	2.8	—	—	.2	.2
22	Fertilizers	.4	.3	1.6	1.4	1.6	2.1
23	Chemical products and preparations, n.e.c.	3.0	3.7	.8	.8	1.7	1.6
24	Plastics and rubber	4.0	4.0	1.2	1.1	2.6	2.6
25	Logs and other wood in the rough	.2	.3	3.3	3.9	1.1	1.7
26	Wood products	1.8	1.9	3.0	3.6	3.6	4.0
27	Pulp, newsprint, paper, and paperboard	1.5	1.6	1.4	1.5	3.1	3.2
28	Paper or paperboard articles	1.4	1.7	.7	.7	.8	.8
29	Printed products	3.7	3.0	.7	.5	.9	.7
30	Textiles, leather, and articles of textiles or leather	5.5	7.7	.4	.4	.9	1.0
31	Nonmetallic mineral products	1.6	1.6	8.2	8.4	3.4	3.5
32	Base metal in primary or semifinished forms and in finished basic shapes	4.1	2.5	3.0	1.9	4.4	2.9
33	Articles of base metal	3.3	4.9	1.0	1.4	1.8	2.0
34	Machinery	6.0	6.6	.5	.4	1.0	.9
35	Electronic and other electrical equipment and components and office equipment	12.5	8.8	.4	.3	1.0	.8
36	Motorized and other vehicles (including parts)	8.2	8.5	.9	.9	1.7	1.9
37	Transportation equipment, n.e.c.	1.9	2.2	—	—	.1	.1
38	Precision instruments and apparatus	2.3	2.8	—	—	—	.1
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	1.4	1.5	.2	.2	.4	.5
40	Miscellaneous manufactured products	6.1	4.0	1.0	.3	1.5	.5
41	Waste and scrap	.5	.4	1.6	1.6	1.5	1.3
43	Mixed freight	3.3	3.5	1.0	1.0	.6	.6
--	Commodity unknown	.5	.4	.4	—	.4	.1

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

S Data do not meet publication standards because of high sampling variability or other reasons. 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.

Note: The estimates for 1993 shown in this table were originally collected using the Standard Transportation Commodity Code (STCC) classification system. To produce the comparisons in this table, these data were recoded to the SCTG system and retabulated. Because of the different approaches used by these two systems in classifying commodities (the STCC links them to an industry structure while the SCTG does not), the estimates for 1993 and their comparisons with 1997 are not as accurate as they would have been had the 1993 data been collected using the SCTG system.

Table 6. Shipment Characteristics by Three-Digit Commodity for the United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0	472
010	Live animals and live fish	6 173	—	5 922	—	1 497	—	272
021	Wheat	16 650	.2	124 177	1.1	44 756	1.7	193
022	Corn, except sweet	31 350	.5	304 882	2.7	129 781	4.9	85
029	Other cereal grains	11 642	.2	60 634	.5	26 057	1.0	201
031	Fresh or chilled potatoes (Irish potatoes), except sweet	5 876	—	12 546	.1	3 974	.1	73
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	23 522	.3	26 759	.2	10 087	.4	107
033	Fresh, chilled, or dried edible fruit and nuts	20 525	.3	24 410	.2	11 807	.4	439
034	Soya beans	27 864	.4	111 344	1.0	42 685	1.6	76
035	Oil seeds and nuts, except olives and soya beans	3 825	—	9 595	—	3 682	.1	348
036	Bulbs, live plants, and seeds for sowing, n.e.c.	6 090	—	3 905	—	2 310	—	714
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	14 643	.2	13 100	.1	6 216	.2	258
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.	18 563	.3	64 892	.6	23 580	.9	101
042	Animal feed preparations	48 285	.7	154 807	1.4	23 190	.9	72
051	Meat including poultry, except preparations	153 843	2.2	71 952	.6	32 217	1.2	136
052	Fish, except live, and seafood, except preparations	25 124	.4	5 197	—	2 694	.1	114
053	Preparations, extracts, and juices of meat, fish, or seafood	4 817	—	2 335	—	1 472	—	399
061	Wheat flour, groats, and meal	7 324	.1	25 781	.2	8 936	.3	151
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	9 402	.1	24 475	.2	18 212	.7	280
063	Food preparations of cereals, flour, starch, or milk	30 767	.4	19 067	.2	9 583	.4	262
064	Bakery products	62 361	.9	33 398	.3	11 755	.4	96
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	75 962	1.1	76 466	.7	16 384	.6	74
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	71 339	1.0	55 836	.5	29 164	1.1	227
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	13 512	.2	3 589	—	1 736	—	183
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	22 948	.3	43 924	.4	19 873	.7	160
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	14 198	.2	38 764	.3	22 899	.9	262
076	Confectionery, cocoa, and cocoa preparations	25 478	.4	7 194	—	3 898	.1	497
077	Edible preparations, n.e.c. and vinegar	53 983	.8	33 026	.3	17 044	.6	360
078	Nonalcoholic beverages, n.e.c. and ice	68 960	1.0	138 084	1.2	13 112	.5	35
081	Malt Beer	52 836	.8	65 083	.6	18 774	.7	31
082	Wine and other fermented beverages	16 207	.2	7 184	—	5 218	.2	170
083	Spirituos beverages and ethyl alcohol	18 889	.3	8 812	—	3 820	.1	58
090	Tobacco products	56 394	.8	4 128	—	1 011	—	296
100	Monumental or building stone, except dolomite	2 726	—	15 893	.1	1 472	—	115
110	Natural sands, except metal-bearing	4 279	—	442 509	4.0	25 460	1.0	46
120	Gravel and crushed stone, except dolomite and slate	11 508	.2	1 814 761	16.4	92 862	3.5	36
131	Salt	3 160	—	34 567	.3	15 721	.6	110
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	760	—	18 349	.2	2 261	—	549
133	Dolomite	665	—	88 256	.8	4 820	.2	32
139	Other nonmetallic minerals	6 744	.1	94 558	.9	29 427	1.1	263
141	Iron ores and concentrates	2 208	—	65 699	.6	40 514	1.5	144
149	Other metallic ores and concentrates	10 397	.1	25 007	.2	7 152	.3	345
151	Nonagglomerated bituminous coal	23 597	.3	1 114 435	10.0	539 817	20.3	87
159	Other coal	1 889	—	102 603	.9	2 483	—	50
171	Gasoline	203 621	2.9	857 637	7.7	109 976	4.1	45
172	Aviation turbine fuel (types A and B)	13 429	.2	105 178	.9	26 663	1.0	62
180	Fuel oils	94 309	1.4	481 682	4.3	51 171	1.9	28
191	Lubricating oils and greases	24 474	.4	36 888	.3	15 164	.6	126
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	10 526	.2	53 113	.5	11 879	.4	57
193	Gaseous hydrocarbons	16 663	.2	61 486	.6	7 189	.3	41
199	Other products of petroleum refining, and coal products	23 237	.3	323 617	2.9	47 641	1.8	70
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	5 880	—	33 500	.3	16 637	.6	271
202	Inorganic chemicals, n.e.c.	42 174	.6	140 950	1.3	57 938	2.2	136
203	Cyclic hydrocarbons	7 411	.1	12 216	.1	4 057	.2	214
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	19 772	.3	24 678	.2	14 656	.6	374
205	Organic chemicals, n.e.c.	84 384	1.2	84 712	.8	43 518	1.6	651
210	Pharmaceutical products	224 448	3.2	9 897	—	5 580	.2	692
220	Fertilizers and fertilizer materials	27 334	.4	179 056	1.6	43 562	1.6	116
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	35 887	.5	14 528	.1	5 943	.2	196
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	39 174	.6	6 355	—	4 060	.2	522
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	37 233	.5	32 401	.3	17 529	.7	313
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	32 917	.5	2 034	—	1 098	—	375
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	26 909	.4	7 124	—	2 464	—	125
239	Other chemical products and preparations	37 368	.5	29 593	.3	13 910	.5	266
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	58 878	.8	47 372	.4	33 409	1.3	412
242	Manmade fibers and plastics basic shapes and articles	165 374	2.4	54 698	.5	26 764	1.0	509

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the United States: 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	54 580	.8	28 341	.3	8 919	.3	285
250	Logs and other wood in the rough	15 129	.2	370 686	3.3	28 090	1.1	85
261	Wood chips or particles	2 744	—	98 937	.9	10 802	.4	77
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	57 763	.8	120 905	1.1	41 438	1.6	265
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	29 823	.4	68 680	.6	36 017	1.4	316
264	Builders' joinery and carpentry of wood, except shingles and shakes	23 837	.3	9 227	—	3 169	.1	186
269	Other wood products	12 259	.2	31 371	.3	5 469	.2	520
271	Pulp of fibrous cellulosic materials	5 497	—	23 189	.2	8 031	.3	291
272	Newsprint in large rolls or sheets	5 894	—	9 349	—	5 056	.2	205
273	Uncoated paper and paperboard in large rolls or sheets	53 691	.8	80 595	.7	48 067	1.8	132
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	41 496	.6	39 157	.4	22 515	.8	343
280	Paper or paperboard articles	98 347	1.4	73 513	.7	22 013	.8	307
291	Printed books, brochures, leaflets, and similar printed products	124 527	1.8	16 382	.1	8 276	.3	887
292	Newspapers, journals, and periodicals	54 937	.8	39 576	.4	2 950	.1	120
293	Advertising material, commercial or trade catalogues, and similar printed products	34 635	.5	13 454	.1	6 763	.3	667
299	Other printed products	46 227	.7	8 641	—	4 808	.2	582
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	66 521	1.0	16 245	.1	6 965	.3	621
302	Textile clothing and accessories, and headgear, except safety	185 622	2.7	9 723	—	6 218	.2	956
303	Textiles and textile articles, n.e.c.	93 124	1.3	17 571	.2	9 645	.4	838
304	Footwear	21 980	.3	1 499	—	1 195	—	1 084
305	Leather and articles, luggage of related materials, and dressed furskins and articles	11 913	.2	835	—	642	—	937
311	Hydraulic cements	7 413	.1	125 534	1.1	13 948	.5	82
312	Ceramic products	17 733	.3	29 890	.3	8 855	.3	679
313	Glass and glass products	34 752	.5	32 971	.3	14 111	.5	652
319	Other nonmetallic mineral products	49 299	.7	721 738	6.5	54 498	2.0	72
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	27 734	.4	30 518	.3	11 819	.4	225
322	Flat-rolled products of iron or steel	92 174	1.3	180 671	1.6	47 769	1.8	180
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	57 664	.8	81 285	.7	31 523	1.2	247
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	108 118	1.6	43 404	.4	26 368	1.0	393
331	Pipes, tubes, and fittings	62 657	.9	47 173	.4	22 705	.9	219
332	Structures and parts, except prefabricated buildings	39 414	.6	22 450	.2	9 256	.3	315
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	75 276	1.1	14 069	.1	7 188	.3	452
339	Other articles of metal	49 835	.7	22 827	.2	9 542	.4	524
341	Internal-combustion piston engines	73 772	1.1	10 960	.1	4 580	.2	281
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	27 696	.4	1 308	—	787	—	428
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	45 002	.6	4 439	—	2 879	.1	413
344	Air-conditioning, refrigerating, or freezing equipment	33 766	.5	5 412	—	3 354	.1	246
345	Materials-handling, excavating, boring, and related machinery and equipment	43 653	.6	7 791	—	3 825	.1	339
349	Other machinery	193 214	2.8	20 005	.2	11 613	.4	378
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	37 278	.5	4 610	—	3 053	.1	420
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	16 204	.2	2 289	—	1 313	—	653
353	Line telephone or telegraph apparatus	67 121	1.0	1 055	—	1 148	—	817
354	Electronic entertainment products, except parts	52 682	.8	3 373	—	3 908	.1	1 087
355	Computer and office equipment	246 142	3.5	4 087	—	3 535	.1	881
356	Prepared unrecorded or prerecorded media	37 613	.5	1 255	—	900	—	1 079
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	31 994	.5	311	—	277	—	873
358	Electronic components and parts	170 096	2.4	2 800	—	2 203	—	925
359	Other electronic and electrical equipment	210 545	3.0	19 831	.2	10 716	.4	313
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	192 872	2.8	24 093	.2	15 016	.6	461
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	31 340	.5	4 742	—	2 938	.1	327
363	Other vehicles	74 571	1.1	14 102	.1	6 301	.2	652
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	272 198	3.9	55 137	.5	21 651	.8	234
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	9 129	.1	3 764	—	2 247	—	806
372	Aircraft and spacecraft	105 429	1.5	483	—	520	—	829
373	Ships, boats, and floating structures	14 627	.2	1 229	—	991	—	560
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	24 149	.3	280	—	249	—	876
382	Photographic and photocopying machines	19 182	.3	567	—	363	—	703
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	5 763	—	129	—	78	—	830
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	62 723	.9	1 300	—	987	—	920
385	Meters and other instruments and apparatus for measuring, checking, testing, or controlling	46 130	.7	664	—	492	—	664

See footnotes at end of table.

Table 6. Shipment Characteristics by Three-Digit Commodity for the United States: 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	97 255	1.4	19 910	.2	11 565	.4	625
401	Arms and ammunition	8 723	.1	443	—	333	—	894
402	Toys, games, and sporting equipment	72 398	1.0	6 488	—	3 721	.1	1 090
409	Miscellaneous manufactured products	339 761	4.9	105 562	1.0	35 818	1.3	815
411	Metallic waste and scrap	27 404	.4	124 644	1.1	26 193	1.0	130
412	Nonmetallic waste and scrap, except from food processing	5 310	—	53 181	.5	13 934	.5	231
439	Mixed freight	230 415	3.3	110 271	1.0	17 224	.6	252
—	Commodity unknown	36 527	.5	46 191	.4	11 796	.4	499

— 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 United States: 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	6 943 988	100.0	11 089 733	100.0	2 661 363	100.0	472
Single modes	5 719 558	82.4	10 436 538	94.1	2 383 473	89.6	184
Truck ¹	4 981 531	71.7	7 700 675	69.4	1 023 506	38.5	144
For-hire truck	2 901 345	41.8	3 402 605	30.7	741 117	27.8	485
Private truck	2 036 528	29.3	4 137 294	37.3	268 592	10.1	53
Rail	319 629	4.6	1 549 817	14.0	1 022 547	38.4	769
Water	75 840	1.1	563 369	5.1	261 747	9.8	482
Shallow draft	53 897	.8	414 758	3.7	189 284	7.1	177
Great Lakes	1 504	—	38 421	.3	13 415	.5	204
Deep draft	20 439	.3	110 191	1.0	59 047	2.2	1 024
Air (includes truck and air)	229 062	3.3	4 475	—	6 233	.2	1 380
Pipeline ²	113 497	1.6	618 202	5.6	S	S	S
Multiple modes	945 874	13.6	216 673	2.0	204 514	7.7	813
Parcel, U.S. Postal Service or courier	855 897	12.3	23 689	.2	17 994	.7	813
Truck and rail	75 695	1.1	54 246	.5	55 561	2.1	1 347
Truck and water	8 241	.1	33 215	.3	34 767	1.3	1 265
Rail and water	1 771	—	79 275	.7	77 590	2.9	1 092
Other multiple modes	4 269	—	26 248	.2	18 603	.7	S
Other and unknown modes	278 555	4.0	436 521	3.9	73 376	2.8	122
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	6 173	100.0	5 922	100.0	1 497	100.0	272
Single modes	6 016	97.5	5 535	93.5	1 467	98.0	227
Truck ¹	5 802	94.0	5 508	93.0	1 417	94.6	106
For-hire truck	3 672	59.5	3 272	55.3	1 155	77.1	312
Private truck	2 130	34.5	2 236	37.8	262	17.5	82
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 694
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	11	.2	1	—	S	S	720
Parcel, U.S. Postal Service or courier	11	.2	1	—	S	S	720
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 02, CEREAL GRAINS							
Total	59 642	100.0	489 693	100.0	200 594	100.0	125
Single modes	49 411	82.8	417 532	85.3	192 752	96.1	122
Truck ¹	23 352	39.2	188 763	38.5	18 320	9.1	88
For-hire truck	15 039	25.2	117 262	23.9	13 658	6.8	152
Private truck	8 022	13.5	69 034	14.1	4 383	2.2	43
Rail	15 896	26.7	142 257	29.1	116 247	58.0	718
Water	10 159	17.0	86 472	17.7	58 175	29.0	998
Shallow draft	7 911	13.3	70 753	14.4	55 043	27.4	1 017
Great Lakes	391	.7	2 978	.6	S	S	701
Deep draft	1 857	3.1	12 741	2.6	S	S	627
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	889	1.5	3 258	.7	2 910	1.5	850
Parcel, U.S. Postal Service or courier	3	—	3	—	2	—	649
Truck and rail	685	1.1	1 490	.3	839	.4	1 288
Truck and water	S	S	S	S	S	S	1 097
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	9 343	15.7	68 903	14.1	4 932	2.5	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	102 344	100.0	201 661	100.0	80 762	100.0	438
Single modes	94 610	92.4	186 297	92.4	72 495	89.8	106
Truck ¹	80 326	78.5	134 279	66.6	33 122	41.0	87
For-hire truck	36 507	35.7	68 100	33.8	25 826	32.0	396
Private truck	43 309	42.3	65 040	32.3	7 048	8.7	43
Rail	5 537	5.4	18 924	9.4	15 088	18.7	1 015
Water	8 240	8.1	32 922	16.3	23 952	29.7	681
Shallow draft	6 541	6.4	25 889	12.8	23 653	29.3	944
Great Lakes	S	S	S	S	54	—	41
Deep draft	S	S	S	S	S	S	380
Air (includes truck and air)	508	.5	171	—	S	S	2 523
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	2 401	2.3	2 658	1.3	2 884	3.6	786
Parcel, U.S. Postal Service or courier	1 327	1.3	146	—	134	.2	785
Truck and rail	769	.8	1 769	.9	1 472	1.8	1 515
Truck and water	305	.3	743	.4	1 279	1.6	1 940
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	5 334	5.2	12 706	6.3	5 382	6.7	318
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	66 848	100.0	219 699	100.0	46 770	100.0	79
Single modes	62 823	94.0	211 411	96.2	43 182	92.3	60
Truck ¹	57 893	86.6	189 795	86.4	26 715	57.1	56
For-hire truck	22 272	33.3	57 101	26.0	17 614	37.7	350
Private truck	34 644	51.8	128 799	58.6	8 671	18.5	31
Rail	4 249	6.4	17 764	8.1	13 504	28.9	807
Water	648	1.0	3 762	1.7	2 951	6.3	526
Shallow draft	624	.9	3 686	1.7	2 893	6.2	1 010
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	362
Air (includes truck and air)	16	—	7	—	S	S	1 994
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 032	3.0	3 180	1.4	2 789	6.0	466
Parcel, U.S. Postal Service or courier	400	.6	S	S	S	S	448
Truck and rail	1 328	2.0	1 502	.7	1 973	4.2	1 242
Truck and water	102	.2	78	—	S	S	1 652
Rail and water	37	—	259	.1	399	.9	1 525
Other multiple modes	164	.2	S	S	228	.5	2 908
Other and unknown modes	1 993	3.0	5 107	2.3	799	1.7	24
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	183 784	100.0	79 485	100.0	36 383	100.0	137
Single modes	179 178	97.5	77 725	97.8	35 402	97.3	114
Truck ¹	176 185	95.9	76 331	96.0	33 586	92.3	104
For-hire truck	88 879	48.4	38 868	48.9	26 901	73.9	627
Private truck	85 017	46.3	36 597	46.0	6 365	17.5	57
Rail	1 423	.8	837	1.1	1 018	2.8	1 633
Water	917	.5	476	.6	S	S	792
Shallow draft	S	S	83	.1	S	S	51
Great Lakes	—	—	—	—	—	—	—
Deep draft	721	.4	S	S	S	S	1 222
Air (includes truck and air)	650	.4	81	.1	161	.4	1 714
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	994	.5	254	.3	376	1.0	1 152
Parcel, U.S. Postal Service or courier	252	.1	28	—	26	—	1 156
Truck and rail	S	S	63	—	96	.3	1 308
Truck and water	507	.3	157	.2	254	.7	1 073
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	30
Other and unknown modes	3 612	2.0	1 506	1.9	604	1.7	100

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	109 854	100.0	102 721	100.0	48 487	100.0	122
Single modes	106 877	97.3	100 038	97.4	46 150	95.2	74
Truck ¹	101 563	92.5	82 025	79.9	28 906	59.6	72
For-hire truck	45 591	41.5	43 314	42.2	22 340	46.1	439
Private truck	55 156	50.2	38 042	37.0	6 258	12.9	49
Rail	5 168	4.7	17 119	16.7	16 265	33.5	1 071
Water	S	S	S	S	S	S	1 965
Shallow draft	S	S	S	S	S	S	674
Great Lakes	—	—	—	—	—	—	—
Deep draft	37	—	S	S	46	—	2 075
Air (includes truck and air)	17	—	11	—	S	S	970
Pipeline ²	20	—	74	—	S	S	S
Multiple modes	1 639	1.5	1 221	1.2	1 735	3.6	625
Parcel, U.S. Postal Service or courier	S	S	65	—	34	—	618
Truck and rail	910	.8	1 022	1.0	1 437	3.0	1 494
Truck and water	69	—	86	—	220	.5	1 654
Rail and water	S	S	S	S	S	S	896
Other multiple modes	S	S	S	S	S	S	1 572
Other and unknown modes	1 338	1.2	1 462	1.4	602	1.2	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	346 379	100.0	396 882	100.0	124 110	100.0	127
Single modes	334 399	96.5	385 779	97.2	114 616	92.3	73
Truck ¹	319 270	92.2	347 834	87.6	78 759	63.5	70
For-hire truck	136 433	39.4	132 164	33.3	55 535	44.7	467
Private truck	178 697	51.6	211 271	53.2	22 236	17.9	43
Rail	13 212	3.8	32 201	8.1	33 566	27.0	1 167
Water	1 414	.4	4 915	1.2	2 219	1.8	S
Shallow draft	1 241	.4	4 047	1.0	2 155	1.7	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	124	—	27	—	66	—	1 738
Pipeline ²	380	.1	802	.2	S	S	S
Multiple modes	6 402	1.8	5 980	1.5	7 665	6.2	921
Parcel, U.S. Postal Service or courier	1 965	.6	212	—	161	.1	917
Truck and rail	3 089	.9	3 171	.8	4 781	3.9	1 779
Truck and water	1 312	.4	2 545	.6	2 520	2.0	832
Rail and water	S	S	S	S	S	S	2 725
Other multiple modes	S	S	S	S	S	S	2 830
Other and unknown modes	5 579	1.6	5 123	1.3	1 830	1.5	91
SCTG 08, ALCOHOLIC BEVERAGES							
Total	87 932	100.0	81 079	100.0	27 812	100.0	58
Single modes	85 054	96.7	78 549	96.9	24 850	89.3	47
Truck ¹	80 354	91.4	70 253	86.6	13 799	49.6	37
For-hire truck	21 084	24.0	21 300	26.3	10 297	37.0	274
Private truck	59 232	67.4	48 924	60.3	3 497	12.6	31
Rail	4 619	5.3	8 188	10.1	11 007	39.6	1 353
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	61
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	3 015
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 837	2.1	1 387	1.7	2 629	9.5	775
Parcel, U.S. Postal Service or courier	S	S	46	—	S	S	734
Truck and rail	1 422	1.6	1 120	1.4	2 271	8.2	1 421
Truck and water	193	.2	152	.2	S	S	691
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 806
Other and unknown modes	1 041	1.2	1 143	1.4	S	S	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	56 394	100.0	4 128	100.0	1 011	100.0	296
Single modes	54 662	96.9	4 040	97.9	933	92.2	102
Truck ¹	54 623	96.9	4 038	97.8	931	92.1	98
For-hire truck	26 501	47.0	1 037	25.1	765	75.7	675
Private truck	28 019	49.7	2 996	72.6	163	16.2	54
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	23
Shallow draft	S	S	S	S	S	S	23
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	23
Air (includes truck and air)	S	S	S	S	S	S	1 832
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	1 233	2.2	34	.8	71	7.0	1 308
Parcel, U.S. Postal Service or courier	984	1.7	24	.6	25	2.5	1 307
Truck and rail	S	S	S	S	S	S	3 245
Truck and water	S	S	S	S	S	S	4 706
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	500	.9	53	1.3	8	.8	45
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	2 726	100.0	15 893	100.0	1 472	100.0	115
Single modes	2 518	92.4	15 596	98.1	1 347	91.5	96
Truck ¹	2 508	92.0	15 525	97.7	1 281	87.1	96
For-hire truck	1 030	37.8	5 599	35.2	834	56.7	240
Private truck	1 436	52.7	7 491	47.1	412	28.0	44
Rail	9	.3	70	.4	65	4.4	841
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	4 454
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	595
Parcel, U.S. Postal Service or courier	S	S	S	S	1	—	567
Truck and rail	S	S	S	S	S	S	3 168
Truck and water	S	S	S	S	S	S	22
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	266	1.7	S	S	S
SCTG 11, NATURAL SANDS							
Total	4 279	100.0	442 509	100.0	25 460	100.0	46
Single modes	4 174	97.6	435 125	98.3	24 345	95.6	45
Truck ¹	3 859	90.2	413 181	93.4	17 098	67.2	42
For-hire truck	1 718	40.2	161 456	36.5	9 102	35.7	64
Private truck	2 030	47.4	233 363	52.7	7 500	29.5	30
Rail	277	6.5	10 959	2.5	4 807	18.9	409
Water	34	.8	10 970	2.5	2 416	9.5	120
Shallow draft	34	.8	10 970	2.5	2 416	9.5	120
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	1 045
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	536
Parcel, U.S. Postal Service or courier	S	S	1	—	S	S	477
Truck and rail	S	S	S	S	S	S	1 123
Truck and water	S	S	S	S	S	S	275
Rail and water	S	S	S	S	S	S	4 304
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	92	2.1	7 340	1.7	1 067	4.2	S

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	11 508	100.0	1 814 761	100.0	92 862	100.0	36
Single modes	11 228	97.6	1 774 654	97.8	87 778	94.5	36
Truck ¹	10 655	92.6	1 671 616	92.1	58 348	62.8	35
For-hire truck	4 038	35.1	626 828	34.5	23 101	24.9	35
Private truck	6 251	54.3	988 084	54.4	33 507	36.1	35
Rail	358	3.1	51 322	2.8	10 947	11.8	223
Water	215	1.9	51 716	2.8	18 484	19.9	234
Shallow draft	137	1.2	29 623	1.6	11 634	12.5	238
Great Lakes	69	.6	21 059	1.2	6 797	7.3	316
Deep draft	S	S	S	S	S	S	56
Air (includes truck and air)	S	S	S	S	S	S	222
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	98	.9	13 651	.8	4 185	4.5	375
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	509
Truck and rail	62	.5	S	S	744	.8	401
Truck and water	20	.2	5 013	.3	2 326	2.5	121
Rail and water	S	S	S	S	S	S	184
Other multiple modes	15	.1	3 790	.2	S	S	255
Other and unknown modes	182	1.6	26 456	1.5	899	1.0	26
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	11 329	100.0	235 731	100.0	52 229	100.0	174
Single modes	10 759	95.0	229 019	97.2	47 369	90.7	133
Truck ¹	8 641	76.3	169 519	71.9	16 282	31.2	114
For-hire truck	4 115	36.3	60 572	25.7	11 269	21.6	216
Private truck	4 407	38.9	92 782	39.4	3 847	7.4	72
Rail	1 763	15.6	36 013	15.3	20 508	39.3	751
Water	231	2.0	15 574	6.6	10 279	19.7	486
Shallow draft	116	1.0	10 084	4.3	S	S	701
Great Lakes	106	.9	4 362	1.9	1 542	3.0	327
Deep draft	S	S	S	S	S	S	77
Air (includes truck and air)	S	S	S	S	S	S	1 112
Pipeline ²	107	.9	7 773	3.3	S	S	S
Multiple modes	290	2.6	3 707	1.6	3 284	6.3	792
Parcel, U.S. Postal Service or courier	70	.6	13	—	6	—	772
Truck and rail	S	S	S	S	S	S	1 290
Truck and water	S	S	S	S	S	S	1 784
Rail and water	S	S	S	S	S	S	1 214
Other multiple modes	S	S	S	S	5	—	S
Other and unknown modes	280	2.5	3 005	1.3	S	S	237
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	12 605	100.0	90 705	100.0	47 666	100.0	303
Single modes	10 631	84.3	61 229	67.5	21 432	45.0	231
Truck ¹	6 094	48.3	12 250	13.5	2 172	4.6	208
For-hire truck	4 506	35.7	10 481	11.6	1 928	4.0	299
Private truck	1 569	12.4	1 757	1.9	240	.5	94
Rail	3 341	26.5	42 251	46.6	16 013	33.6	418
Water	S	S	6 022	6.6	3 206	6.7	410
Shallow draft	93	.7	562	.6	907	1.9	824
Great Lakes	S	S	S	S	S	S	747
Deep draft	S	S	S	S	S	S	47
Air (includes truck and air)	62	.5	38	—	S	S	1 344
Pipeline ²	449	3.6	668	.7	S	S	S
Multiple modes	1 553	12.3	28 370	31.3	25 058	52.6	543
Parcel, U.S. Postal Service or courier	S	S	5	—	2	—	528
Truck and rail	193	1.5	177	.2	196	.4	1 445
Truck and water	S	S	203	.2	192	.4	947
Rail and water	851	6.7	27 986	30.9	24 668	51.8	716
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	422	3.3	1 106	1.2	S	S	421

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	25 486	100.0	1 217 038	100.0	542 300	100.0	81
Single modes	20 989	82.4	977 606	80.3	472 474	87.1	63
Truck ¹	5 564	21.8	216 509	17.8	9 086	1.7	51
For-hire truck	4 232	16.6	169 079	13.9	7 428	1.4	52
Private truck	1 332	5.2	47 430	3.9	1 658	.3	46
Rail	13 639	53.5	687 068	56.5	439 415	81.0	435
Water	1 682	6.6	68 751	5.6	22 549	4.2	329
Shallow draft	1 682	6.6	68 750	5.6	22 549	4.2	332
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	11
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline ²	104	.4	5 279	.4	S	S	S
Multiple modes	1 379	5.4	75 844	6.2	64 863	12.0	509
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	248
Truck and water	296	1.2	11 630	1.0	5 724	1.1	520
Rail and water	764	3.0	49 606	4.1	51 049	9.4	675
Other multiple modes	171	.7	8 788	.7	7 174	1.3	1 245
Other and unknown modes	3 118	12.2	163 588	13.4	4 962	.9	52
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	217 051	100.0	962 815	100.0	136 639	100.0	45
Single modes	214 631	98.9	954 815	99.2	125 968	92.2	49
Truck ¹	142 810	65.8	518 182	53.8	29 366	21.5	47
For-hire truck	47 851	22.0	180 640	18.8	12 963	9.5	75
Private truck	93 160	42.9	330 477	34.3	15 751	11.5	37
Rail	1 134	.5	5 435	.6	2 840	2.1	789
Water	10 377	4.8	73 601	7.6	45 107	33.0	S
Shallow draft	5 239	2.4	31 816	3.3	15 275	11.2	S
Great Lakes	S	S	S	S	S	S	9
Deep draft	4 964	2.3	S	S	29 830	21.8	808
Air (includes truck and air)	S	S	S	S	S	S	1 313
Pipeline ²	60 303	27.8	357 575	37.1	S	S	S
Multiple modes	1 247	.6	4 186	.4	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	1 026
Truck and rail	S	S	S	S	S	S	106
Truck and water	S	S	S	S	S	S	3 669
Rail and water	—	—	—	—	—	—	—
Other multiple modes	909	.4	2 229	.2	S	S	21
Other and unknown modes	1 172	.5	3 814	.4	116	—	14
SCTG 18, FUEL OILS							
Total	94 309	100.0	481 682	100.0	51 171	100.0	28
Single modes	91 201	96.7	469 542	97.5	44 355	86.7	29
Truck ¹	54 119	57.4	244 170	50.7	13 186	25.8	28
For-hire truck	16 480	17.5	80 578	16.7	5 992	11.7	71
Private truck	37 029	39.3	160 960	33.4	7 081	13.8	23
Rail	962	1.0	6 889	1.4	4 654	9.1	650
Water	7 330	7.8	54 070	11.2	12 817	25.0	S
Shallow draft	5 284	5.6	39 221	8.1	6 683	13.1	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 047	2.2	14 849	3.1	6 134	12.0	297
Air (includes truck and air)	S	S	S	S	S	S	486
Pipeline ²	28 789	30.5	164 412	34.1	S	S	S
Multiple modes	1 259	1.3	5 827	1.2	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	167
Truck and rail	S	S	S	S	S	S	147
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	1 252	1.3	5 803	1.2	S	S	S
Other and unknown modes	1 849	2.0	6 313	1.3	277	.5	14

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	74 900	100.0	475 105	100.0	81 873	100.0	85
Single modes	71 581	95.6	456 275	96.0	69 707	85.1	78
Truck ¹	42 497	56.7	281 140	59.2	23 367	28.5	69
For-hire truck	19 772	26.4	140 001	29.5	14 591	17.8	177
Private truck	21 704	29.0	127 044	26.7	8 138	9.9	52
Rail	9 992	13.3	61 585	13.0	29 116	35.6	525
Water	9 913	13.2	70 216	14.8	14 926	18.2	S
Shallow draft	7 935	10.6	53 022	11.2	8 032	9.8	S
Great Lakes	S	S	S	S	S	S	146
Deep draft	1 912	2.6	16 516	3.5	6 805	8.3	729
Air (includes truck and air)	S	S	9	—	S	S	1 770
Pipeline ²	9 111	12.2	43 325	9.1	S	S	S
Multiple modes	941	1.3	S	S	S	S	338
Parcel, U.S. Postal Service or courier	247	.3	34	—	13	—	364
Truck and rail	461	.6	S	S	S	S	928
Truck and water	170	.2	361	—	S	S	S
Rail and water	S	S	S	S	S	S	417
Other multiple modes	54	—	166	—	S	S	S
Other and unknown modes	2 379	3.2	9 190	1.9	S	S	41
SCTG 20, BASIC CHEMICALS							
Total	159 623	100.0	296 056	100.0	136 806	100.0	332
Single modes	147 690	92.5	284 930	96.2	132 004	96.5	164
Truck ¹	83 985	52.6	124 943	42.2	33 832	24.7	124
For-hire truck	61 812	38.7	70 269	23.7	27 860	20.4	491
Private truck	21 573	13.5	53 893	18.2	5 791	4.2	44
Rail	36 843	23.1	82 809	28.0	69 459	50.8	927
Water	14 489	9.1	47 617	16.1	26 350	19.3	416
Shallow draft	12 070	7.6	38 390	13.0	18 315	13.4	394
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 419	1.5	9 226	3.1	8 035	5.9	545
Air (includes truck and air)	711	.4	18	—	21	—	1 303
Pipeline ²	11 662	7.3	29 543	10.0	S	S	S
Multiple modes	6 974	4.4	2 340	.8	2 984	2.2	791
Parcel, U.S. Postal Service or courier	5 214	3.3	217	—	125	—	790
Truck and rail	1 567	1.0	1 194	.4	1 740	1.3	1 396
Truck and water	116	—	S	S	S	S	930
Rail and water	S	S	S	S	S	S	4 355
Other multiple modes	75	—	S	S	S	S	328
Other and unknown modes	4 959	3.1	8 786	3.0	1 818	1.3	79
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	224 448	100.0	9 897	100.0	5 580	100.0	692
Single modes	147 781	65.8	8 818	89.1	4 924	88.2	284
Truck ¹	135 688	60.5	8 525	86.1	4 283	76.7	167
For-hire truck	88 693	39.5	5 182	52.4	3 770	67.6	275
Private truck	45 636	20.3	3 258	32.9	474	8.5	95
Rail	1 366	.6	S	S	S	S	1 233
Water	S	S	S	S	S	S	680
Shallow draft	S	S	S	S	S	S	18
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 338
Air (includes truck and air)	10 524	4.7	71	.7	98	1.8	1 450
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	73 635	32.8	866	8.8	515	9.2	819
Parcel, U.S. Postal Service or courier	73 149	32.6	843	8.5	484	8.7	819
Truck and rail	192	—	15	.2	20	.4	2 044
Truck and water	294	.1	8	—	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	3 031	1.4	212	2.1	142	2.5	431

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	27 334	100.0	179 056	100.0	43 562	100.0	116
Single modes	25 661	93.9	169 326	94.6	40 308	92.5	79
Truck ¹	18 065	66.1	93 017	51.9	10 192	23.4	63
For-hire truck	6 223	22.8	36 053	20.1	6 635	15.2	185
Private truck	11 564	42.3	55 209	30.8	3 473	8.0	41
Rail	5 796	21.2	64 665	36.1	24 122	55.4	734
Water	1 394	5.1	9 121	5.1	5 375	12.3	376
Shallow draft	1 042	3.8	6 907	3.9	3 518	8.1	328
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	696
Pipeline ²	405	1.5	2 521	1.4	S	S	S
Multiple modes	167	.6	787	.4	653	1.5	980
Parcel, U.S. Postal Service or courier	35	.1	7	—	5	—	978
Truck and rail	S	S	S	S	S	S	1 077
Truck and water	79	.3	S	S	S	S	1 256
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 280
Other and unknown modes	1 506	5.5	8 943	5.0	S	S	41
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	209 487	100.0	92 034	100.0	45 004	100.0	333
Single modes	182 673	87.2	86 226	93.7	40 210	89.3	209
Truck ¹	173 253	82.7	77 736	84.5	32 599	72.4	191
For-hire truck	117 721	56.2	53 815	58.5	28 063	62.4	508
Private truck	54 259	25.9	22 931	24.9	4 140	9.2	58
Rail	7 165	3.4	6 479	7.0	6 872	15.3	1 144
Water	S	S	S	S	S	S	537
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	54	—	S	S	S	S	847
Air (includes truck and air)	1 234	.6	79	—	139	.3	1 563
Pipeline ²	S	S	504	.5	S	S	S
Multiple modes	20 330	9.7	2 938	3.2	3 923	8.7	582
Parcel, U.S. Postal Service or courier	16 531	7.9	897	1.0	429	1.0	579
Truck and rail	3 674	1.8	1 997	2.2	3 409	7.6	1 660
Truck and water	113	—	27	—	74	.2	1 184
Rail and water	S	S	S	S	S	S	1 946
Other multiple modes	S	S	S	S	S	S	318
Other and unknown modes	6 485	3.1	2 870	3.1	871	1.9	65
SCTG 24, PLASTICS AND RUBBER							
Total	278 832	100.0	130 411	100.0	69 092	100.0	451
Single modes	241 733	86.7	123 233	94.5	63 834	92.4	218
Truck ¹	218 845	78.5	98 055	75.2	41 194	59.6	195
For-hire truck	149 371	53.6	58 519	44.9	34 448	49.9	570
Private truck	68 465	24.6	38 959	29.9	6 554	9.5	63
Rail	21 221	7.6	24 954	19.1	22 085	32.0	738
Water	S	S	S	S	S	S	1 566
Shallow draft	S	S	S	S	S	S	126
Great Lakes	S	S	S	S	S	S	707
Deep draft	S	S	S	S	S	S	1 803
Air (includes truck and air)	1 562	.6	104	—	133	.2	1 410
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	26 993	9.7	3 204	2.5	3 925	5.7	773
Parcel, U.S. Postal Service or courier	23 334	8.4	1 376	1.1	990	1.4	772
Truck and rail	3 498	1.3	1 794	1.4	2 882	4.2	1 600
Truck and water	62	—	28	—	48	—	1 521
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	697
Other and unknown modes	10 106	3.6	3 974	3.0	1 333	1.9	62

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	15 129	100.0	370 686	100.0	28 090	100.0	85
Single modes	14 116	93.3	360 610	97.3	25 384	90.4	63
Truck ¹	13 516	89.3	348 581	94.0	21 140	75.3	62
For-hire truck	6 703	44.3	142 149	38.3	9 647	34.3	73
Private truck	6 656	44.0	202 527	54.6	11 090	39.5	53
Rail	509	3.4	7 237	2.0	S	S	233
Water	S	S	S	S	S	S	177
Shallow draft	S	S	S	S	S	S	179
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	35
Air (includes truck and air)	S	S	S	S	S	S	553
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	200	1.3	S	S	1 001	3.6	849
Parcel, U.S. Postal Service or courier	4	—	S	S	S	S	869
Truck and rail	S	S	S	S	529	1.9	676
Truck and water	22	.1	S	S	S	S	414
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	813	5.4	7 387	2.0	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	126 426	100.0	329 119	100.0	96 896	100.0	287
Single modes	120 301	95.2	311 496	94.6	89 859	92.7	157
Truck ¹	109 256	86.4	270 445	82.2	52 226	53.9	145
For-hire truck	53 613	42.4	138 058	41.9	37 262	38.5	364
Private truck	54 869	43.4	129 274	39.3	14 457	14.9	80
Rail	10 645	8.4	37 316	11.3	35 538	36.7	1 016
Water	S	S	S	S	S	S	3 123
Shallow draft	S	S	S	S	S	S	228
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	3 282
Air (includes truck and air)	97	—	15	—	32	—	1 325
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	2 727	2.2	2 402	.7	3 549	3.7	853
Parcel, U.S. Postal Service or courier	1 357	1.1	128	—	110	.1	844
Truck and rail	1 289	1.0	2 135	.6	3 179	3.3	1 714
Truck and water	81	—	138	—	260	.3	1 994
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	751
Other and unknown modes	3 399	2.7	15 222	4.6	3 487	3.6	113
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	106 578	100.0	152 290	100.0	83 669	100.0	194
Single modes	100 983	94.7	147 006	96.5	79 353	94.8	153
Truck ¹	80 922	75.9	105 815	69.5	43 787	52.3	137
For-hire truck	55 991	52.5	84 707	55.6	41 005	49.0	400
Private truck	24 340	22.8	20 708	13.6	2 698	3.2	45
Rail	19 566	18.4	40 252	26.4	35 433	42.3	857
Water	134	.1	255	.2	S	S	1 127
Shallow draft	S	S	174	.1	S	S	69
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 429
Air (includes truck and air)	110	.1	41	—	S	S	1 050
Pipeline ²	S	S	643	.4	S	S	S
Multiple modes	3 514	3.3	2 629	1.7	3 193	3.8	296
Parcel, U.S. Postal Service or courier	1 889	1.8	282	.2	91	.1	289
Truck and rail	1 284	1.2	1 870	1.2	2 533	3.0	1 380
Truck and water	277	.3	382	.3	383	.5	1 491
Rail and water	S	S	S	S	S	S	1 731
Other multiple modes	S	S	S	S	S	S	1 986
Other and unknown modes	2 082	2.0	2 655	1.7	1 123	1.3	84

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	98 347	100.0	73 513	100.0	22 013	100.0	307
Single modes	90 561	92.1	71 225	96.9	20 586	93.5	128
Truck ¹	89 159	90.7	69 743	94.9	18 547	84.3	114
For-hire truck	54 224	55.1	41 438	56.4	15 809	71.8	352
Private truck	34 435	35.0	27 967	38.0	2 624	11.9	50
Rail	648	.7	1 146	1.6	1 279	5.8	1 458
Water	336	.3	234	.3	S	S	2 596
Shallow draft	S	S	S	S	10	—	73
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	4 559
Air (includes truck and air)	418	.4	S	S	S	S	1 380
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 431	5.5	945	1.3	1 026	4.7	724
Parcel, U.S. Postal Service or courier	4 666	4.7	503	.7	286	1.3	723
Truck and rail	662	.7	366	.5	608	2.8	1 578
Truck and water	99	.1	72	.1	120	.5	1 042
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	2 622
Other and unknown modes	2 355	2.4	1 343	1.8	401	1.8	72
SCTG 29, PRINTED PRODUCTS							
Total	260 327	100.0	78 053	100.0	22 797	100.0	431
Single modes	185 454	71.2	69 627	89.2	17 991	78.9	117
Truck ¹	178 086	68.4	69 116	88.6	17 391	76.3	82
For-hire truck	109 332	42.0	31 729	40.7	15 453	67.8	282
Private truck	67 568	26.0	37 040	47.5	1 895	8.3	29
Rail	269	.1	169	.2	170	.7	855
Water	9	—	S	S	S	S	905
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	9	—	S	S	S	S	1 345
Air (includes truck and air)	7 090	2.7	337	.4	418	1.8	1 135
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	62 522	24.0	3 921	5.0	3 214	14.1	670
Parcel, U.S. Postal Service or courier	61 884	23.8	3 682	4.7	2 825	12.4	670
Truck and rail	565	.2	223	.3	354	1.6	2 038
Truck and water	72	—	16	—	35	.2	1 652
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	1 571
Other and unknown modes	12 350	4.7	4 506	5.8	1 593	7.0	103
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	379 161	100.0	45 872	100.0	24 666	100.0	912
Single modes	297 753	78.5	42 021	91.6	21 229	86.1	762
Truck ¹	293 328	77.4	41 523	90.5	20 486	83.1	688
For-hire truck	183 966	48.5	22 903	49.9	15 794	64.0	974
Private truck	106 832	28.2	18 238	39.8	4 534	18.4	253
Rail	466	.1	361	.8	541	2.2	907
Water	S	S	S	S	S	S	1 194
Shallow draft	S	S	S	S	S	S	253
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 704
Air (includes truck and air)	3 699	1.0	115	.3	185	.8	1 683
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	69 823	18.4	2 677	5.8	2 883	11.7	978
Parcel, U.S. Postal Service or courier	67 527	17.8	2 295	5.0	2 168	8.8	977
Truck and rail	1 327	.3	291	.6	S	S	1 878
Truck and water	S	S	91	.2	184	.7	2 285
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	11 585	3.1	1 174	2.6	554	2.2	149

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	109 197	100.0	910 133	100.0	91 412	100.0	401
Single modes	100 371	91.9	891 253	97.9	81 002	88.6	133
Truck ¹	96 968	88.8	859 724	94.5	63 671	69.7	126
For-hire truck	51 617	47.3	311 421	34.2	43 733	47.8	358
Private truck	43 173	39.5	541 490	59.5	18 533	20.3	62
Rail	2 014	1.8	22 547	2.5	14 114	15.4	699
Water	531	.5	8 603	.9	2 641	2.9	158
Shallow draft	288	.3	4 713	.5	1 287	1.4	136
Great Lakes	S	S	S	S	S	S	353
Deep draft	S	S	S	S	S	S	290
Air (includes truck and air)	858	.8	380	—	576	.6	1 116
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 283	4.8	3 739	.4	2 562	2.8	1 047
Parcel, U.S. Postal Service or courier	4 479	4.1	356	—	291	.3	1 047
Truck and rail	632	.6	2 840	.3	1 629	1.8	722
Truck and water	158	.1	377	—	545	.6	2 304
Rail and water	S	S	S	S	S	S	3 298
Other multiple modes	S	S	S	S	S	S	510
Other and unknown modes	3 543	3.2	15 140	1.7	7 847	8.6	236
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	285 690	100.0	335 878	100.0	117 479	100.0	276
Single modes	269 779	94.4	316 186	94.1	106 053	90.3	183
Truck ¹	241 914	84.7	262 122	78.0	67 599	57.5	167
For-hire truck	165 352	57.9	181 020	53.9	57 226	48.7	414
Private truck	75 019	26.3	78 338	23.3	9 688	8.2	63
Rail	25 891	9.1	50 829	15.1	36 268	30.9	684
Water	827	.3	2 683	.8	1 754	1.5	957
Shallow draft	733	.3	2 525	.8	1 613	1.4	624
Great Lakes	S	S	S	S	S	S	7
Deep draft	94	—	S	S	141	.1	1 204
Air (includes truck and air)	1 133	.4	511	.2	418	.4	1 533
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	9 077	3.2	5 916	1.8	4 949	4.2	738
Parcel, U.S. Postal Service or courier	6 032	2.1	359	.1	274	.2	734
Truck and rail	1 497	.5	1 125	.3	1 407	1.2	1 167
Truck and water	317	.1	1 110	.3	1 692	1.4	1 813
Rail and water	S	S	S	S	S	S	1 342
Other multiple modes	S	S	S	S	S	S	460
Other and unknown modes	6 834	2.4	13 776	4.1	6 478	5.5	141
SCTG 33, ARTICLES OF BASE METAL							
Total	227 182	100.0	106 519	100.0	48 691	100.0	403
Single modes	178 578	78.6	97 532	91.6	41 968	86.2	206
Truck ¹	172 591	76.0	90 961	85.4	35 378	72.7	187
For-hire truck	107 238	47.2	58 670	55.1	29 291	60.2	553
Private truck	64 570	28.4	31 636	29.7	5 812	11.9	65
Rail	3 689	1.6	5 807	5.5	5 632	11.6	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	22	—	S	S	S	S	1 037
Air (includes truck and air)	1 976	.9	355	.3	507	1.0	1 285
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	37 949	16.7	2 153	2.0	2 342	4.8	651
Parcel, U.S. Postal Service or courier	37 134	16.3	1 489	1.4	1 053	2.2	651
Truck and rail	587	.3	398	.4	448	.9	1 682
Truck and water	223	.1	S	S	S	S	2 285
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	879
Other and unknown modes	10 654	4.7	6 834	6.4	4 381	9.0	80

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	417 103	100.0	49 915	100.0	27 037	100.0	356
Single modes	338 539	81.2	45 392	90.9	23 306	86.2	225
Truck ¹	319 997	76.7	44 021	88.2	21 775	80.5	173
For-hire truck	232 914	55.8	32 253	64.6	19 176	70.9	588
Private truck	85 355	20.5	11 456	23.0	2 363	8.7	47
Rail	6 296	1.5	1 045	2.1	1 051	3.9	590
Water	S	S	20	—	S	S	460
Shallow draft	S	S	S	S	S	S	61
Great Lakes	S	S	S	S	S	S	33
Deep draft	41	—	6	—	S	S	1 067
Air (includes truck and air)	12 055	2.9	305	.6	474	1.8	1 287
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	60 492	14.5	2 582	5.2	2 721	10.1	536
Parcel, U.S. Postal Service or courier	55 084	13.2	1 443	2.9	871	3.2	535
Truck and rail	5 200	1.2	1 013	2.0	1 603	5.9	1 423
Truck and water	204	—	29	—	97	.4	2 083
Rail and water	S	S	S	S	S	S	1 546
Other multiple modes	S	S	S	S	S	S	100
Other and unknown modes	18 072	4.3	1 941	3.9	1 011	3.7	84
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	869 675	100.0	39 612	100.0	27 053	100.0	640
Single modes	576 694	66.3	34 764	87.8	23 137	85.5	341
Truck ¹	484 373	55.7	33 731	85.2	21 688	80.2	213
For-hire truck	354 771	40.8	23 226	58.6	18 568	68.6	744
Private truck	123 318	14.2	10 109	25.5	2 745	10.1	52
Rail	2 805	.3	388	1.0	586	2.2	1 145
Water	190	—	S	S	1	—	S
Shallow draft	S	S	S	S	S	S	91
Great Lakes	—	—	—	—	—	—	—
Deep draft	75	—	4	—	—	—	S
Air (includes truck and air)	89 325	10.3	634	1.6	863	3.2	1 472
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	248 971	28.6	3 091	7.8	3 005	11.1	915
Parcel, U.S. Postal Service or courier	246 124	28.3	2 729	6.9	2 242	8.3	914
Truck and rail	2 535	.3	347	.9	723	2.7	2 351
Truck and water	S	S	16	—	40	.1	4 520
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	—	—	S	S	491
Other and unknown modes	44 010	5.1	1 757	4.4	910	3.4	163
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	570 981	100.0	98 074	100.0	45 907	100.0	278
Single modes	449 103	78.7	85 083	86.8	37 495	81.7	132
Truck ¹	366 780	64.2	70 493	71.9	25 490	55.5	87
For-hire truck	275 700	48.3	52 122	53.1	21 185	46.1	390
Private truck	86 935	15.2	17 585	17.9	4 020	8.8	32
Rail	76 861	13.5	14 207	14.5	11 623	25.3	946
Water	74	—	13	—	S	S	1 301
Shallow draft	S	S	S	S	S	S	371
Great Lakes	—	—	—	—	—	—	—
Deep draft	49	—	10	—	S	S	1 774
Air (includes truck and air)	5 387	.9	370	.4	376	.8	1 264
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	60 647	10.6	5 191	5.3	5 441	11.9	662
Parcel, U.S. Postal Service or courier	24 266	4.2	1 195	1.2	777	1.7	656
Truck and rail	35 975	6.3	3 972	4.1	4 610	10.0	1 097
Truck and water	S	S	S	S	43	—	1 857
Rail and water	S	S	S	S	S	S	6 440
Other multiple modes	S	S	S	S	S	S	1 161
Other and unknown modes	61 231	10.7	7 800	8.0	2 972	6.5	67

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	129 185	100.0	5 477	100.0	3 758	100.0	796
Single modes	108 731	84.2	5 280	96.4	3 409	90.7	703
Truck ¹	43 687	33.8	3 113	56.8	1 972	52.5	407
For-hire truck	29 479	22.8	2 066	37.7	1 472	39.2	790
Private truck	14 015	10.8	1 041	19.0	493	13.1	147
Rail	6 001	4.6	1 743	31.8	1 167	31.1	1 324
Water	3 543	2.7	S	S	S	S	S
Shallow draft	587	.5	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	2 955	2.3	34	.6	S	S	403
Air (includes truck and air)	55 500	43.0	78	1.4	100	2.7	1 363
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	17 791	13.8	117	2.1	176	4.7	912
Parcel, U.S. Postal Service or courier	15 840	12.3	77	1.4	96	2.6	911
Truck and rail	S	S	33	.6	75	2.0	2 096
Truck and water	S	S	S	S	S	S	433
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	489
Other and unknown modes	2 664	2.1	81	1.5	S	S	435
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	157 946	100.0	2 939	100.0	2 169	100.0	840
Single modes	75 471	47.8	2 146	73.0	1 463	67.4	685
Truck ¹	57 944	36.7	2 007	68.3	1 306	60.2	280
For-hire truck	39 770	25.2	1 521	51.7	1 238	57.1	528
Private truck	17 860	11.3	480	16.3	64	3.0	80
Rail	S	S	S	S	S	S	593
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	15
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	17 475	11.1	135	4.6	151	7.0	1 293
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	76 457	48.4	638	21.7	581	26.8	897
Parcel, U.S. Postal Service or courier	76 295	48.3	628	21.4	559	25.8	897
Truck and rail	S	S	S	S	S	S	1 512
Truck and water	S	S	S	S	S	S	1 727
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	6 019	3.8	156	5.3	126	5.8	238
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	97 255	100.0	19 910	100.0	11 565	100.0	625
Single modes	89 632	92.2	18 879	94.8	10 509	90.9	418
Truck ¹	88 696	91.2	18 687	93.9	10 218	88.4	400
For-hire truck	47 427	48.8	10 527	52.9	8 285	71.6	781
Private truck	40 294	41.4	7 997	40.2	1 817	15.7	123
Rail	342	.4	154	.8	208	1.8	1 459
Water	6	—	1	—	S	S	987
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	6	—	1	—	S	S	987
Air (includes truck and air)	587	.6	37	.2	S	S	1 391
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	5 009	5.2	561	2.8	767	6.6	995
Parcel, U.S. Postal Service or courier	4 456	4.6	393	2.0	384	3.3	990
Truck and rail	486	.5	146	.7	315	2.7	2 047
Truck and water	67	—	S	S	S	S	2 464
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	2 615	2.7	470	2.4	290	2.5	166

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	420 883	100.0	112 492	100.0	39 872	100.0	860
Single modes	287 243	68.2	104 053	92.5	32 113	80.5	450
Truck ¹	268 265	63.7	102 292	90.9	30 043	75.3	374
For-hire truck	157 083	37.3	40 159	35.7	21 834	54.8	827
Private truck	110 164	26.2	61 402	54.6	7 808	19.6	128
Rail	2 554	.6	1 507	1.3	1 737	4.4	735
Water	51	—	S	S	S	S	1 295
Shallow draft	16	—	S	S	S	S	190
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	1 501
Air (includes truck and air)	16 373	3.9	200	.2	325	.8	1 441
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	117 173	27.8	3 781	3.4	3 800	9.5	1 002
Parcel, U.S. Postal Service or courier	115 199	27.4	3 373	3.0	3 155	7.9	1 002
Truck and rail	1 879	.4	384	.3	576	1.4	1 878
Truck and water	90	—	22	—	66	.2	3 173
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	903
Other and unknown modes	16 466	3.9	4 658	4.1	S	S	236
SCTG 41, WASTE AND SCRAP							
Total	32 714	100.0	177 824	100.0	40 126	100.0	164
Single modes	30 699	93.8	169 072	95.1	33 958	84.6	137
Truck ¹	25 220	77.1	125 696	70.7	19 702	49.1	123
For-hire truck	15 034	46.0	64 881	36.5	13 464	33.6	202
Private truck	10 067	30.8	57 108	32.1	6 097	15.2	69
Rail	5 112	15.6	40 391	22.7	13 053	32.5	330
Water	343	1.0	2 924	1.6	1 203	3.0	S
Shallow draft	269	.8	2 290	1.3	963	2.4	406
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	42
Air (includes truck and air)	S	S	S	S	S	S	1 068
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	820	2.5	3 063	1.7	S	S	924
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	855
Truck and rail	508	1.6	866	.5	860	2.1	1 230
Truck and water	S	S	S	S	S	S	1 681
Rail and water	—	—	—	—	—	—	—
Other multiple modes	4	—	4	—	19	—	5 222
Other and unknown modes	1 195	3.7	5 689	3.2	2 296	5.7	350
SCTG 43, MIXED FREIGHT							
Total	230 415	100.0	110 271	100.0	17 224	100.0	252
Single modes	219 454	95.2	106 978	97.0	16 045	93.2	109
Truck ¹	218 810	95.0	106 877	96.9	15 955	92.6	102
For-hire truck	23 267	10.1	13 452	12.2	5 918	34.4	392
Private truck	195 154	84.7	93 281	84.6	10 008	58.1	85
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	400
Shallow draft	S	S	S	S	S	S	187
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	419
Air (includes truck and air)	S	S	16	—	30	.2	1 526
Pipeline ²	—	—	—	—	S	S	S
Multiple modes	5 127	2.2	754	.7	702	4.1	617
Parcel, U.S. Postal Service or courier	4 567	2.0	499	.5	216	1.3	616
Truck and rail	330	.1	144	.1	261	1.5	2 055
Truck and water	229	.1	S	S	S	S	1 330
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	5 834	2.5	2 539	2.3	477	2.8	53

See footnotes at end of table.

Table 7. Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	36 527	100.0	46 191	100.0	11 796	100.0	499
Single modes	29 821	81.6	44 635	96.6	10 712	90.8	239
Truck ¹	26 067	71.4	32 531	70.4	7 289	61.8	207
For-hire truck	14 325	39.2	8 813	19.1	2 683	22.7	578
Private truck	11 262	30.8	23 041	49.9	S	S	94
Rail	1 718	4.7	S	S	2 683	22.7	756
Water	S	S	S	S	S	S	2 881
Shallow draft	S	S	S	S	S	S	221
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	5 668
Air (includes truck and air)	815	2.2	14	—	25	.2	1 321
Pipeline ²	S	S	S	S	S	S	S
Multiple modes	4 494	12.3	S	S	S	S	763
Parcel, U.S. Postal Service or courier	4 218	11.5	112	.2	83	.7	763
Truck and rail	S	S	S	S	S	S	896
Truck and water	S	S	S	S	S	S	1 431
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	3 228
Other and unknown modes	2 212	6.1	1 140	2.5	766	6.5	327

— 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.

²CFS 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 United States: 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	6 943 988	11 089 733	2 661 363
Less than 50 miles	2 168 057	6 444 454	135 926
50 to 99 miles	597 587	1 079 841	102 983
100 to 249 miles	1 062 579	1 311 278	296 032
250 to 499 miles	975 367	905 504	437 463
500 to 749 miles	656 846	541 782	467 800
750 to 999 miles	436 491	383 327	440 999
1,000 to 1,499 miles	469 777	302 918	487 859
1,500 to 1,999 miles	293 654	77 130	169 651
2,000 miles or more	283 628	43 499	122 651
SCTG 01, Live animals and live fish	6 173	5 922	1 497
Less than 50 miles	1 093	1 502	41
50 to 99 miles	1 334	1 365	134
100 to 249 miles	1 732	1 666	348
250 to 499 miles	901	752	344
500 to 749 miles	483	347	274
750 to 999 miles	327	178	185
1,000 to 1,499 miles	146	84	113
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	59 642	489 693	200 594
Less than 50 miles	26 769	225 203	5 445
50 to 99 miles	4 052	36 355	3 447
100 to 249 miles	7 000	54 880	12 819
250 to 499 miles	7 116	59 887	30 236
500 to 749 miles	5 971	46 538	45 963
750 to 999 miles	3 842	30 851	38 343
1,000 to 1,499 miles	4 408	35 300	62 537
1,500 to 1,999 miles	382	520	1 191
2,000 miles or more	103	158	S
SCTG 03, Other agricultural products	102 344	201 661	80 762
Less than 50 miles	43 860	93 077	2 778
50 to 99 miles	13 499	26 600	2 474
100 to 249 miles	15 091	22 151	4 517
250 to 499 miles	7 577	13 883	7 306
500 to 749 miles	6 108	17 809	17 227
750 to 999 miles	4 493	11 920	14 665
1,000 to 1,499 miles	4 142	9 118	14 422
1,500 to 1,999 miles	3 547	3 715	7 995
2,000 miles or more	4 027	3 389	9 378
SCTG 04, Animal feed and products of animal origin, n.e.c.	66 848	219 699	46 770
Less than 50 miles	28 167	124 577	3 294
50 to 99 miles	8 298	23 405	2 152
100 to 249 miles	10 684	29 013	5 881
250 to 499 miles	8 662	19 949	9 667
500 to 749 miles	4 775	13 067	10 833
750 to 999 miles	2 378	3 971	4 386
1,000 to 1,499 miles	2 264	4 386	7 233
1,500 to 1,999 miles	789	814	1 813
2,000 miles or more	832	518	1 512
SCTG 05, Meat, fish, seafood, and their preparations	183 784	79 485	36 383
Less than 50 miles	54 497	22 579	548
50 to 99 miles	18 024	8 471	805
100 to 249 miles	28 209	13 798	2 824
250 to 499 miles	26 467	12 640	5 544
500 to 749 miles	17 550	7 678	5 796
750 to 999 miles	12 763	4 703	4 872
1,000 to 1,499 miles	18 281	7 029	10 234
1,500 to 1,999 miles	5 441	1 863	3 781
2,000 miles or more	2 553	724	1 979
SCTG 06, Milled grain products and preparations, and bakery products	109 854	102 721	48 487
Less than 50 miles	32 369	27 318	699
50 to 99 miles	12 434	10 870	1 012
100 to 249 miles	21 330	19 677	4 176
250 to 499 miles	15 940	15 335	7 026
500 to 749 miles	11 686	12 910	10 596
750 to 999 miles	6 614	7 317	7 939
1,000 to 1,499 miles	4 756	5 821	8 871
1,500 to 1,999 miles	3 200	2 450	5 290
2,000 miles or more	1 526	1 023	2 877
SCTG 07, Other prepared foodstuffs and fats and oils	346 379	396 882	124 110
Less than 50 miles	127 686	165 864	3 936
50 to 99 miles	43 188	54 003	4 996
100 to 249 miles	63 874	72 427	14 471
250 to 499 miles	39 466	41 951	19 526
500 to 749 miles	26 630	25 104	19 896
750 to 999 miles	15 804	13 713	14 733
1,000 to 1,499 miles	14 036	12 544	19 082
1,500 to 1,999 miles	10 580	7 499	16 553
2,000 miles or more	5 117	3 776	10 917

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	87 932	81 079	27 812
Less than 50 miles	52 473	41 918	814
50 to 99 miles	6 594	5 685	499
100 to 249 miles	10 080	10 874	2 268
250 to 499 miles	7 312	8 807	3 799
500 to 749 miles	3 385	4 119	3 417
750 to 999 miles	2 372	3 458	4 039
1,000 to 1,499 miles	2 001	2 923	4 912
1,500 to 1,999 miles	1 742	2 096	4 475
2,000 miles or more	1 975	1 199	3 588
SCTG 09, Tobacco products	56 394	4 128	1 011
Less than 50 miles	23 954	2 565	71
50 to 99 miles	4 169	380	34
100 to 249 miles	4 623	354	70
250 to 499 miles	9 771	374	177
500 to 749 miles	5 532	187	139
750 to 999 miles	2 145	68	72
1,000 to 1,499 miles	1 951	62	85
1,500 to 1,999 miles	1 503	44	94
2,000 miles or more	2 746	93	271
SCTG 10, Monumental or building stone	2 726	15 893	1 472
Less than 50 miles	1 374	12 197	206
50 to 99 miles	237	1 015	94
100 to 249 miles	561	1 579	310
250 to 499 miles	202	579	242
500 to 749 miles	129	234	171
750 to 999 miles	69	115	118
1,000 to 1,499 miles	99	110	160
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	4 279	442 509	25 460
Less than 50 miles	2 735	359 478	7 947
50 to 99 miles	440	47 850	4 355
100 to 249 miles	472	25 150	6 144
250 to 499 miles	295	5 835	2 478
500 to 749 miles	160	1 556	1 328
750 to 999 miles	83	1 731	1 776
1,000 to 1,499 miles	58	741	1 115
1,500 to 1,999 miles	26	123	188
2,000 miles or more	8	45	131
SCTG 12, Gravel and crushed stone	11 508	1 814 761	92 862
Less than 50 miles	9 665	1 560 401	30 299
50 to 99 miles	723	116 405	10 602
100 to 249 miles	626	87 021	18 990
250 to 499 miles	240	34 083	15 848
500 to 749 miles	S	9 011	8 169
750 to 999 miles	77	6 879	7 552
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	11 329	235 731	52 229
Less than 50 miles	3 552	152 474	3 810
50 to 99 miles	1 395	18 567	1 712
100 to 249 miles	2 445	22 895	5 210
250 to 499 miles	1 419	13 564	6 667
500 to 749 miles	971	12 840	11 860
750 to 999 miles	533	7 772	9 612
1,000 to 1,499 miles	641	5 601	8 590
1,500 to 1,999 miles	202	1 348	2 841
2,000 miles or more	170	670	1 926
SCTG 14, Metallic ores and concentrates	12 605	90 705	47 666
Less than 50 miles	2 640	27 374	797
50 to 99 miles	1 644	11 901	1 224
100 to 249 miles	2 316	4 806	1 175
250 to 499 miles	2 177	19 413	15 253
500 to 749 miles	1 283	17 208	14 881
750 to 999 miles	765	5 308	6 014
1,000 to 1,499 miles	622	4 158	6 960
1,500 to 1,999 miles	488	S	S
2,000 miles or more	670	S	S
SCTG 15, Coal	25 486	1 217 038	542 300
Less than 50 miles	10 187	452 291	10 368
50 to 99 miles	2 418	96 554	12 145
100 to 249 miles	4 925	194 579	60 064
250 to 499 miles	4 515	174 751	92 564
500 to 749 miles	1 553	114 188	110 956
750 to 999 miles	1 108	111 639	136 656
1,000 to 1,499 miles	734	70 574	113 538
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	217 051	962 815	136 639
Less than 50 miles	157 265	662 470	11 025
50 to 99 miles	20 337	80 209	6 947
100 to 249 miles	21 938	98 332	17 726
250 to 499 miles	9 833	46 163	16 576
500 to 749 miles	2 744	26 851	20 989
750 to 999 miles	1 813	29 094	27 499
1,000 to 1,499 miles	2 801	18 237	32 948
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	94 309	481 682	51 171
Less than 50 miles	69 932	347 579	6 087
50 to 99 miles	9 001	48 083	4 486
100 to 249 miles	9 478	51 248	9 611
250 to 499 miles	2 526	15 260	S
500 to 749 miles	1 484	8 854	6 534
750 to 999 miles	1 022	5 189	4 946
1,000 to 1,499 miles	670	4 345	5 619
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	74 900	475 105	81 873
Less than 50 miles	38 161	316 981	5 810
50 to 99 miles	7 495	39 154	3 979
100 to 249 miles	10 917	54 941	11 928
250 to 499 miles	8 478	30 192	15 133
500 to 749 miles	4 418	16 582	15 403
750 to 999 miles	2 137	5 179	6 135
1,000 to 1,499 miles	2 658	10 690	20 279
1,500 to 1,999 miles	487	1 219	2 758
2,000 miles or more	148	168	448
SCTG 20, Basic chemicals	159 623	296 056	136 806
Less than 50 miles	44 944	106 267	2 341
50 to 99 miles	10 234	27 595	2 666
100 to 249 miles	22 368	45 659	10 579
250 to 499 miles	27 094	40 984	18 812
500 to 749 miles	14 538	20 470	18 023
750 to 999 miles	14 842	22 875	28 620
1,000 to 1,499 miles	18 891	26 478	42 094
1,500 to 1,999 miles	3 978	4 452	10 055
2,000 miles or more	2 734	1 275	3 615
SCTG 21, Pharmaceutical products	224 448	9 897	5 580
Less than 50 miles	54 816	2 841	58
50 to 99 miles	23 448	851	82
100 to 249 miles	46 417	1 407	281
250 to 499 miles	31 201	1 474	678
500 to 749 miles	18 692	1 260	955
750 to 999 miles	15 862	681	693
1,000 to 1,499 miles	14 996	609	882
1,500 to 1,999 miles	9 172	258	548
2,000 miles or more	9 843	515	1 403
SCTG 22, Fertilizers	27 334	179 056	43 562
Less than 50 miles	15 571	112 011	3 071
50 to 99 miles	2 320	12 903	1 194
100 to 249 miles	3 137	16 824	3 907
250 to 499 miles	2 514	14 960	7 216
500 to 749 miles	1 671	10 210	9 112
750 to 999 miles	1 078	6 391	7 769
1,000 to 1,499 miles	708	3 724	6 230
1,500 to 1,999 miles	181	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	209 487	92 034	45 004
Less than 50 miles	60 194	26 973	603
50 to 99 miles	13 321	6 758	631
100 to 249 miles	32 251	17 056	3 649
250 to 499 miles	33 755	15 250	6 841
500 to 749 miles	25 235	10 018	7 604
750 to 999 miles	15 018	5 625	5 939
1,000 to 1,499 miles	13 332	5 310	7 923
1,500 to 1,999 miles	9 034	3 325	7 101
2,000 miles or more	7 348	1 719	4 712
SCTG 24, Plastics and rubber	278 832	130 411	69 092
Less than 50 miles	72 234	34 153	901
50 to 99 miles	21 808	12 658	1 138
100 to 249 miles	41 789	22 965	5 114
250 to 499 miles	48 025	19 378	8 888
500 to 749 miles	34 680	14 663	11 418
750 to 999 miles	21 819	10 539	11 408
1,000 to 1,499 miles	19 855	9 938	15 300
1,500 to 1,999 miles	9 773	3 569	7 675
2,000 miles or more	8 848	2 548	7 250

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	15 129	370 686	28 090
Less than 50 miles	9 041	244 899	7 371
50 to 99 miles	3 007	88 252	7 685
100 to 249 miles	1 635	28 434	5 183
250 to 499 miles	610	S	S
500 to 749 miles	324	1 345	1 029
750 to 999 miles	137	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	124	269	611
2,000 miles or more	78	142	405
SCTG 26, Wood products	126 426	329 119	96 896
Less than 50 miles	41 088	130 234	3 710
50 to 99 miles	16 588	60 686	5 661
100 to 249 miles	25 843	65 302	14 546
250 to 499 miles	15 319	31 618	14 029
500 to 749 miles	8 915	15 394	12 288
750 to 999 miles	5 855	8 928	10 247
1,000 to 1,499 miles	5 156	8 025	13 160
1,500 to 1,999 miles	4 645	5 647	13 378
2,000 miles or more	3 018	3 285	9 876
SCTG 27, Pulp, newsprint, paper, and paperboard	106 578	152 290	83 669
Less than 50 miles	26 911	27 629	614
50 to 99 miles	8 410	S	1 882
100 to 249 miles	15 818	23 950	5 591
250 to 499 miles	19 108	26 824	13 354
500 to 749 miles	14 708	21 843	17 658
750 to 999 miles	10 522	17 050	18 757
1,000 to 1,499 miles	6 161	8 129	12 358
1,500 to 1,999 miles	3 331	4 059	8 970
2,000 miles or more	1 609	1 533	4 484
SCTG 28, Paper or paperboard articles	98 347	73 513	22 013
Less than 50 miles	35 905	31 882	800
50 to 99 miles	10 242	9 206	849
100 to 249 miles	16 074	12 125	2 455
250 to 499 miles	14 090	8 716	3 853
500 to 749 miles	9 195	4 995	3 790
750 to 999 miles	5 799	3 269	3 422
1,000 to 1,499 miles	3 247	1 585	2 313
1,500 to 1,999 miles	2 154	952	2 065
2,000 miles or more	1 641	783	2 466
SCTG 29, Printed products	260 327	78 053	22 797
Less than 50 miles	94 155	45 990	786
50 to 99 miles	18 540	4 774	440
100 to 249 miles	43 186	7 610	1 617
250 to 499 miles	29 459	6 729	3 026
500 to 749 miles	23 465	5 202	3 888
750 to 999 miles	15 950	2 408	2 485
1,000 to 1,499 miles	13 929	2 258	3 218
1,500 to 1,999 miles	10 511	1 676	3 431
2,000 miles or more	11 132	1 406	3 906
SCTG 30, Textiles, leather, and articles of textiles or leather	379 161	45 872	24 666
Less than 50 miles	77 070	11 067	256
50 to 99 miles	33 064	3 877	369
100 to 249 miles	60 584	9 296	1 937
250 to 499 miles	61 931	8 298	3 751
500 to 749 miles	43 102	4 910	3 663
750 to 999 miles	25 330	2 370	2 452
1,000 to 1,499 miles	27 309	2 328	3 324
1,500 to 1,999 miles	23 974	1 982	4 151
2,000 miles or more	26 797	1 744	4 762
SCTG 31, Nonmetallic mineral products	109 197	910 133	91 412
Less than 50 miles	44 582	676 463	12 476
50 to 99 miles	11 212	78 569	7 445
100 to 249 miles	18 136	85 078	17 400
250 to 499 miles	14 719	40 627	18 086
500 to 749 miles	7 871	12 428	9 491
750 to 999 miles	4 210	6 339	6 823
1,000 to 1,499 miles	3 753	6 267	9 307
1,500 to 1,999 miles	2 549	2 636	5 700
2,000 miles or more	2 165	1 727	4 684
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	285 690	335 878	117 479
Less than 50 miles	76 919	111 417	2 406
50 to 99 miles	27 360	38 462	3 583
100 to 249 miles	56 183	70 842	15 729
250 to 499 miles	55 882	56 703	25 822
500 to 749 miles	28 661	26 251	20 162
750 to 999 miles	15 592	16 418	18 339
1,000 to 1,499 miles	11 276	8 075	12 504
1,500 to 1,999 miles	7 347	4 753	10 872
2,000 miles or more	6 469	2 959	8 061

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	227 182	106 519	48 691
Less than 50 miles	68 964	30 522	711
50 to 99 miles	19 573	10 689	995
100 to 249 miles	35 509	18 932	3 982
250 to 499 miles	36 732	17 515	7 748
500 to 749 miles	24 180	12 255	9 221
750 to 999 miles	14 145	6 813	7 430
1,000 to 1,499 miles	13 590	5 678	8 384
1,500 to 1,999 miles	8 156	2 194	4 997
2,000 miles or more	6 332	1 920	5 222
SCTG 34, Machinery	417 103	49 915	27 037
Less than 50 miles	103 097	12 967	312
50 to 99 miles	32 738	3 904	380
100 to 249 miles	62 848	8 399	1 745
250 to 499 miles	70 442	8 599	3 896
500 to 749 miles	48 183	5 810	4 376
750 to 999 miles	32 313	3 459	3 629
1,000 to 1,499 miles	33 493	3 573	5 134
1,500 to 1,999 miles	19 221	2 014	4 355
2,000 miles or more	14 769	1 189	3 210
SCTG 35, Electronic and other electrical equipment and components and office equipment	869 675	39 612	27 053
Less than 50 miles	210 503	9 923	209
50 to 99 miles	43 896	2 293	214
100 to 249 miles	90 728	4 931	1 062
250 to 499 miles	112 433	6 692	3 002
500 to 749 miles	84 761	4 960	3 710
750 to 999 miles	71 975	2 735	2 877
1,000 to 1,499 miles	106 010	3 609	5 327
1,500 to 1,999 miles	63 894	2 524	5 291
2,000 miles or more	85 475	1 947	5 361
SCTG 36, Motorized and other vehicles (including parts)	570 981	98 074	45 907
Less than 50 miles	135 401	26 692	599
50 to 99 miles	43 146	7 868	737
100 to 249 miles	92 019	18 226	4 144
250 to 499 miles	112 528	19 857	9 430
500 to 749 miles	77 637	11 437	8 833
750 to 999 miles	37 509	5 336	5 799
1,000 to 1,499 miles	38 723	4 939	7 601
1,500 to 1,999 miles	23 913	2 651	5 895
2,000 miles or more	10 105	1 070	2 869
SCTG 37, Transportation equipment, n.e.c.	129 185	5 477	3 758
Less than 50 miles	35 594	1 144	34
50 to 99 miles	2 566	123	13
100 to 249 miles	9 555	978	221
250 to 499 miles	9 506	1 147	585
500 to 749 miles	10 346	890	724
750 to 999 miles	10 711	317	342
1,000 to 1,499 miles	14 527	443	727
1,500 to 1,999 miles	18 388	S	S
2,000 miles or more	17 994	156	521
SCTG 38, Precision instruments and apparatus	157 946	2 939	2 169
Less than 50 miles	34 114	616	16
50 to 99 miles	7 024	230	21
100 to 249 miles	14 427	333	67
250 to 499 miles	20 323	429	187
500 to 749 miles	18 466	457	349
750 to 999 miles	15 912	225	235
1,000 to 1,499 miles	19 884	283	408
1,500 to 1,999 miles	11 740	151	308
2,000 miles or more	16 057	215	577
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	97 255	19 910	11 565
Less than 50 miles	28 890	5 319	123
50 to 99 miles	5 885	1 305	119
100 to 249 miles	13 485	2 942	621
250 to 499 miles	15 425	3 313	1 506
500 to 749 miles	12 132	2 693	1 996
750 to 999 miles	7 463	1 557	1 636
1,000 to 1,499 miles	6 032	1 229	1 755
1,500 to 1,999 miles	4 329	887	1 930
2,000 miles or more	3 615	665	1 879
SCTG 40, Miscellaneous manufactured products	420 883	112 492	39 872
Less than 50 miles	88 501	50 506	685
50 to 99 miles	39 050	10 266	947
100 to 249 miles	69 302	17 556	3 600
250 to 499 miles	64 099	12 458	5 470
500 to 749 miles	45 217	7 270	5 456
750 to 999 miles	30 327	5 093	5 469
1,000 to 1,499 miles	34 342	4 116	6 072
1,500 to 1,999 miles	25 610	3 403	7 203
2,000 miles or more	24 435	1 824	4 971

See footnotes at end of table.

Table 8. Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	32 714	177 824	40 126
Less than 50 miles	12 540	81 942	1 992
50 to 99 miles	3 365	24 453	2 426
100 to 249 miles	6 755	33 346	7 366
250 to 499 miles	5 376	24 012	11 261
500 to 749 miles	2 094	8 241	6 831
750 to 999 miles	1 126	2 767	3 715
1,000 to 1,499 miles	723	1 434	2 246
1,500 to 1,999 miles	359	509	1 106
2,000 miles or more	377	1 121	3 183
SCTG 43, Mixed freight	230 415	110 271	17 224
Less than 50 miles	98 979	50 387	1 475
50 to 99 miles	42 178	21 422	1 973
100 to 249 miles	61 797	27 108	5 273
250 to 499 miles	16 528	6 245	2 619
500 to 749 miles	4 663	2 368	1 720
750 to 999 miles	2 874	S	S
1,000 to 1,499 miles	1 460	646	946
1,500 to 1,999 miles	825	S	S
2,000 miles or more	1 110	259	709
Commodity unknown	36 527	46 191	11 796
Less than 50 miles	11 665	16 761	402
50 to 99 miles	3 330	4 550	428
100 to 249 miles	6 433	6 592	1 431
250 to 499 miles	5 369	S	S
500 to 749 miles	3 085	1 329	1 069
750 to 999 miles	1 778	586	630
1,000 to 1,499 miles	1 933	779	1 190
1,500 to 1,999 miles	1 433	224	493
2,000 miles or more	1 500	303	852

— 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 United States: 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	6 943 988	11 089 733	2 661 363
Less than 50 lb	853 289	21 348	9 950
50 to 99 lb	249 541	14 200	4 450
100 to 499 lb	727 368	82 166	19 601
500 to 749 lb	219 136	38 955	8 852
750 to 999 lb	154 348	32 484	7 260
1,000 to 9,999 lb	1 536 448	579 490	131 388
10,000 to 49,999 lb	2 286 364	4 073 970	734 805
50,000 to 99,999 lb	360 091	2 229 997	188 735
100,000 lb or more	557 404	4 017 124	1 556 321
SCTG 01, Live animals and live fish	6 173	5 922	1 497
Less than 50 lb	S	S	2
50 to 99 lb	S	10	2
100 to 499 lb	S	S	S
500 to 749 lb	36	9	S
750 to 999 lb	41	9	S
1,000 to 9,999 lb	563	369	73
10,000 to 49,999 lb	3 601	4 128	989
50,000 to 99,999 lb	951	876	259
100,000 lb or more	512	465	139
SCTG 02, Cereal grains	59 642	489 693	200 594
Less than 50 lb	2	2	-
50 to 99 lb	7	17	1
100 to 499 lb	59	144	5
500 to 749 lb	35	93	6
750 to 999 lb	25	73	5
1,000 to 9,999 lb	1 011	2 646	282
10,000 to 49,999 lb	6 357	27 484	4 744
50,000 to 99,999 lb	15 359	143 923	13 140
100,000 lb or more	36 786	315 312	182 409
SCTG 03, Other agricultural products	102 344	201 661	80 762
Less than 50 lb	3 101	402	118
50 to 99 lb	1 181	335	41
100 to 499 lb	5 301	2 784	264
500 to 749 lb	2 285	1 601	131
750 to 999 lb	1 619	1 194	105
1,000 to 9,999 lb	18 231	20 863	6 009
10,000 to 49,999 lb	38 071	55 305	25 078
50,000 to 99,999 lb	12 350	46 763	4 396
100,000 lb or more	20 205	72 413	44 621
SCTG 04, Animal feed and products of animal origin, n.e.c.	66 848	219 699	46 770
Less than 50 lb	241	104	12
50 to 99 lb	317	313	14
100 to 499 lb	1 601	2 004	95
500 to 749 lb	872	1 191	59
750 to 999 lb	499	631	S
1,000 to 9,999 lb	8 814	20 663	1 281
10,000 to 49,999 lb	39 580	120 705	21 103
50,000 to 99,999 lb	8 320	44 272	6 142
100,000 lb or more	6 603	29 816	17 997
SCTG 05, Meat, fish, seafood, and their preparations	183 784	79 485	36 383
Less than 50 lb	2 083	236	25
50 to 99 lb	2 673	422	31
100 to 499 lb	12 166	3 022	243
500 to 749 lb	4 956	1 507	161
750 to 999 lb	3 681	1 254	148
1,000 to 9,999 lb	45 801	17 125	4 769
10,000 to 49,999 lb	105 410	51 253	28 304
50,000 to 99,999 lb	2 692	1 880	945
100,000 lb or more	4 323	2 787	1 758
SCTG 06, Milled grain products and preparations, and bakery products	109 854	102 721	48 487
Less than 50 lb	2 063	570	37
50 to 99 lb	1 416	602	26
100 to 499 lb	6 313	2 573	184
500 to 749 lb	3 003	1 292	119
750 to 999 lb	2 284	1 129	145
1,000 to 9,999 lb	23 641	13 298	3 119
10,000 to 49,999 lb	62 135	54 252	26 020
50,000 to 99,999 lb	3 123	9 072	1 561
100,000 lb or more	5 876	19 934	17 275
SCTG 07, Other prepared foodstuffs and fats and oils	346 379	396 882	124 110
Less than 50 lb	3 936	897	93
50 to 99 lb	3 168	1 030	72
100 to 499 lb	17 251	9 848	629
500 to 749 lb	7 607	4 969	385
750 to 999 lb	6 114	4 184	343
1,000 to 9,999 lb	70 653	58 060	7 509
10,000 to 49,999 lb	206 699	236 705	70 962
50,000 to 99,999 lb	12 729	33 889	5 245
100,000 lb or more	18 223	47 300	38 871

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	87 932	81 079	27 812
Less than 50 lb	1 373	204	S
50 to 99 lb	1 347	379	14
100 to 499 lb	10 403	5 536	162
500 to 749 lb	4 673	3 216	85
750 to 999 lb	3 650	2 765	76
1,000 to 9,999 lb	26 707	22 046	878
10,000 to 49,999 lb	30 688	32 345	14 496
50,000 to 99,999 lb	4 375	6 164	1 469
100,000 lb or more	4 716	8 425	10 599
SCTG 09, Tobacco products	56 394	4 128	1 011
Less than 50 lb	3 430	81	18
50 to 99 lb	2 686	80	9
100 to 499 lb	9 156	375	54
500 to 749 lb	2 153	128	23
750 to 999 lb	1 459	101	17
1,000 to 9,999 lb	6 441	519	120
10,000 to 49,999 lb	30 850	2 776	741
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	61	S
SCTG 10, Monumental or building stone	2 726	15 893	1 472
Less than 50 lb	10	1	—
50 to 99 lb	12	—	—
100 to 499 lb	148	S	6
500 to 749 lb	S	28	4
750 to 999 lb	57	29	4
1,000 to 9,999 lb	722	773	81
10,000 to 49,999 lb	1 423	10 416	1 060
50,000 to 99,999 lb	127	2 625	181
100,000 lb or more	92	1 963	134
SCTG 11, Natural sands	4 279	442 509	25 460
Less than 50 lb	S	S	S
50 to 99 lb	1	1	—
100 to 499 lb	43	28	2
500 to 749 lb	18	27	2
750 to 999 lb	16	14	1
1,000 to 9,999 lb	284	2 994	133
10,000 to 49,999 lb	2 174	181 682	7 195
50,000 to 99,999 lb	973	153 759	7 632
100,000 lb or more	768	104 003	10 495
SCTG 12, Gravel and crushed stone	11 508	1 814 761	92 862
Less than 50 lb	S	S	—
50 to 99 lb	S	1	S
100 to 499 lb	S	41	S
500 to 749 lb	S	37	1
750 to 999 lb	1	42	1
1,000 to 9,999 lb	191	8 983	185
10,000 to 49,999 lb	6 552	1 034 177	35 590
50,000 to 99,999 lb	2 756	446 870	16 219
100,000 lb or more	1 895	324 611	40 857
SCTG 13, Nonmetallic minerals n.e.c.	11 329	235 731	52 229
Less than 50 lb	56	6	2
50 to 99 lb	54	17	S
100 to 499 lb	204	122	14
500 to 749 lb	141	138	11
750 to 999 lb	64	51	S
1,000 to 9,999 lb	1 098	3 549	323
10,000 to 49,999 lb	6 210	108 969	12 177
50,000 to 99,999 lb	948	34 293	3 754
100,000 lb or more	2 554	88 586	35 933
SCTG 14, Metallic ores and concentrates	12 605	90 705	47 666
Less than 50 lb	53	2	S
50 to 99 lb	52	3	1
100 to 499 lb	463	18	7
500 to 749 lb	S	12	3
750 to 999 lb	42	6	S
1,000 to 9,999 lb	988	298	74
10,000 to 49,999 lb	3 631	7 984	2 190
50,000 to 99,999 lb	885	3 018	713
100,000 lb or more	6 092	79 363	44 675
SCTG 15, Coal	25 486	1 217 038	542 300
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	2	S
500 to 749 lb	S	S	S
750 to 999 lb	—	3	—
1,000 to 9,999 lb	S	416	14
10,000 to 49,999 lb	1 489	36 004	2 160
50,000 to 99,999 lb	2 476	94 730	9 004
100,000 lb or more	21 294	1 085 877	531 122

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	217 051	962 815	136 639
Less than 50 lb	19	22	—
50 to 99 lb	38	77	1
100 to 499 lb	408	361	5
500 to 749 lb	116	239	5
750 to 999 lb	140	283	6
1,000 to 9,999 lb	12 093	20 409	807
10,000 to 49,999 lb	29 658	109 545	8 004
50,000 to 99,999 lb	97 148	357 069	19 852
100,000 lb or more	77 431	474 810	107 958
SCTG 18, Fuel oils	94 309	481 682	51 171
Less than 50 lb	16	15	S
50 to 99 lb	25	37	1
100 to 499 lb	420	819	14
500 to 749 lb	396	1 078	18
750 to 999 lb	466	1 484	23
1,000 to 9,999 lb	10 689	31 592	811
10,000 to 49,999 lb	14 711	67 996	3 778
50,000 to 99,999 lb	26 837	131 319	8 171
100,000 lb or more	40 750	247 342	38 355
SCTG 19, Coal and petroleum products, n.e.c.	74 900	475 105	81 873
Less than 50 lb	533	126	10
50 to 99 lb	457	147	16
100 to 499 lb	2 462	1 673	110
500 to 749 lb	818	951	44
750 to 999 lb	941	1 284	89
1,000 to 9,999 lb	8 740	14 250	1 319
10,000 to 49,999 lb	22 065	168 121	15 814
50,000 to 99,999 lb	6 648	60 515	5 048
100,000 lb or more	32 236	228 039	59 423
SCTG 20, Basic chemicals	159 623	296 056	136 806
Less than 50 lb	5 138	170	71
50 to 99 lb	1 636	219	45
100 to 499 lb	5 523	2 373	217
500 to 749 lb	1 852	990	134
750 to 999 lb	1 364	737	94
1,000 to 9,999 lb	19 079	10 951	2 038
10,000 to 49,999 lb	56 809	88 167	27 138
50,000 to 99,999 lb	3 635	18 264	4 751
100,000 lb or more	64 588	174 183	102 317
SCTG 21, Pharmaceutical products	224 448	9 897	5 580
Less than 50 lb	78 350	694	339
50 to 99 lb	18 911	304	111
100 to 499 lb	42 165	965	370
500 to 749 lb	9 225	279	137
750 to 999 lb	8 253	196	86
1,000 to 9,999 lb	35 356	1 706	802
10,000 to 49,999 lb	31 774	5 161	3 631
50,000 to 99,999 lb	331	103	S
100,000 lb or more	84	S	42
SCTG 22, Fertilizers	27 334	179 056	43 562
Less than 50 lb	S	S	4
50 to 99 lb	38	23	1
100 to 499 lb	164	165	9
500 to 749 lb	96	119	8
750 to 999 lb	72	106	6
1,000 to 9,999 lb	3 642	11 532	366
10,000 to 49,999 lb	9 880	49 471	6 211
50,000 to 99,999 lb	3 336	23 386	3 162
100,000 lb or more	9 995	94 234	33 796
SCTG 23, Chemical products and preparations, n.e.c.	209 487	92 034	45 004
Less than 50 lb	15 262	681	210
50 to 99 lb	6 474	523	145
100 to 499 lb	22 587	2 758	703
500 to 749 lb	8 135	1 197	351
750 to 999 lb	5 519	985	323
1,000 to 9,999 lb	48 716	12 467	4 903
10,000 to 49,999 lb	92 003	59 784	29 912
50,000 to 99,999 lb	1 752	3 131	790
100,000 lb or more	9 039	10 509	7 667
SCTG 24, Plastics and rubber	278 832	130 411	69 092
Less than 50 lb	21 289	971	438
50 to 99 lb	8 472	815	262
100 to 499 lb	30 355	4 425	1 296
500 to 749 lb	10 229	1 851	628
750 to 999 lb	7 314	1 450	537
1,000 to 9,999 lb	80 934	26 031	10 161
10,000 to 49,999 lb	97 734	52 932	30 105
50,000 to 99,999 lb	1 822	2 135	742
100,000 lb or more	20 682	39 801	24 922

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	15 129	370 686	28 090
Less than 50 lb	S	S	S
50 to 99 lb	S	1	—
100 to 499 lb	40	22	3
500 to 749 lb	15	21	S
750 to 999 lb	14	17	2
1,000 to 9,999 lb	883	1 442	111
10,000 to 49,999 lb	4 340	82 395	5 675
50,000 to 99,999 lb	7 500	235 423	13 787
100,000 lb or more	2 265	51 364	8 508
SCTG 26, Wood products	126 426	329 119	96 896
Less than 50 lb	1 854	147	56
50 to 99 lb	1 180	190	58
100 to 499 lb	5 904	1 248	214
500 to 749 lb	2 531	726	124
750 to 999 lb	1 851	667	99
1,000 to 9,999 lb	24 135	21 148	2 452
10,000 to 49,999 lb	61 288	150 077	39 274
50,000 to 99,999 lb	14 133	85 066	13 897
100,000 lb or more	13 549	69 849	40 723
SCTG 27, Pulp, newsprint, paper, and paperboard	106 578	152 290	83 669
Less than 50 lb	1 470	179	31
50 to 99 lb	988	216	29
100 to 499 lb	4 962	1 629	207
500 to 749 lb	1 887	840	104
750 to 999 lb	1 527	677	91
1,000 to 9,999 lb	16 087	10 401	2 085
10,000 to 49,999 lb	56 215	76 496	42 033
50,000 to 99,999 lb	3 356	8 105	3 345
100,000 lb or more	20 086	53 748	35 743
SCTG 28, Paper or paperboard articles	98 347	73 513	22 013
Less than 50 lb	4 789	370	127
50 to 99 lb	2 013	379	71
100 to 499 lb	7 497	2 154	297
500 to 749 lb	2 746	1 083	177
750 to 999 lb	1 928	836	146
1,000 to 9,999 lb	25 288	16 019	3 174
10,000 to 49,999 lb	52 199	48 433	16 200
50,000 to 99,999 lb	513	1 208	343
100,000 lb or more	1 374	3 031	1 478
SCTG 29, Printed products	260 327	78 053	22 797
Less than 50 lb	51 209	3 886	1 485
50 to 99 lb	13 428	1 627	458
100 to 499 lb	45 566	5 856	1 795
500 to 749 lb	11 017	2 037	691
750 to 999 lb	10 648	1 750	767
1,000 to 9,999 lb	78 706	26 365	7 262
10,000 to 49,999 lb	45 757	29 191	9 116
50,000 to 99,999 lb	1 809	2 487	381
100,000 lb or more	2 186	4 855	840
SCTG 30, Textiles, leather, and articles of textiles or leather	379 161	45 872	24 666
Less than 50 lb	56 542	1 550	1 484
50 to 99 lb	14 154	654	559
100 to 499 lb	37 440	2 610	1 690
500 to 749 lb	13 156	1 210	691
750 to 999 lb	10 818	985	549
1,000 to 9,999 lb	127 686	11 917	6 645
10,000 to 49,999 lb	111 189	23 829	11 428
50,000 to 99,999 lb	6 698	1 978	630
100,000 lb or more	1 477	1 137	988
SCTG 31, Nonmetallic mineral products	109 197	910 133	91 412
Less than 50 lb	4 900	342	202
50 to 99 lb	1 700	245	80
100 to 499 lb	5 953	1 425	338
500 to 749 lb	1 671	663	121
750 to 999 lb	1 272	568	95
1,000 to 9,999 lb	17 680	31 600	3 288
10,000 to 49,999 lb	59 658	526 370	48 895
50,000 to 99,999 lb	11 153	169 569	15 376
100,000 lb or more	5 210	179 350	23 017
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	285 690	335 878	117 479
Less than 50 lb	6 019	279	96
50 to 99 lb	3 420	342	70
100 to 499 lb	14 430	2 708	488
500 to 749 lb	5 511	1 506	293
750 to 999 lb	4 408	1 412	352
1,000 to 9,999 lb	53 278	31 438	7 053
10,000 to 49,999 lb	148 602	187 758	57 076
50,000 to 99,999 lb	15 630	37 458	6 513
100,000 lb or more	34 393	72 977	45 537

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	227 182	106 519	48 691
Less than 50 lb	32 936	1 081	493
50 to 99 lb	11 172	742	259
100 to 499 lb	31 204	3 788	1 277
500 to 749 lb	9 710	1 552	537
750 to 999 lb	6 863	1 297	448
1,000 to 9,999 lb	61 799	22 718	8 216
10,000 to 49,999 lb	63 069	59 107	26 271
50,000 to 99,999 lb	4 012	4 758	2 303
100,000 lb or more	6 417	11 476	8 887
SCTG 34, Machinery	417 103	49 915	27 037
Less than 50 lb	57 609	1 181	431
50 to 99 lb	18 007	681	225
100 to 499 lb	53 608	3 412	1 373
500 to 749 lb	18 228	1 450	923
750 to 999 lb	10 678	860	455
1,000 to 9,999 lb	100 240	11 595	5 952
10,000 to 49,999 lb	136 518	25 442	13 963
50,000 to 99,999 lb	14 219	2 851	1 425
100,000 lb or more	7 996	2 443	2 290
SCTG 35, Electronic and other electrical equipment and components and office equipment	869 675	39 612	27 053
Less than 50 lb	239 941	2 024	1 175
50 to 99 lb	70 770	1 133	587
100 to 499 lb	182 113	4 528	2 431
500 to 749 lb	43 334	1 444	833
750 to 999 lb	26 736	1 032	635
1,000 to 9,999 lb	189 142	11 306	8 553
10,000 to 49,999 lb	113 554	16 766	11 959
50,000 to 99,999 lb	2 692	668	654
100,000 lb or more	1 393	711	227
SCTG 36, Motorized and other vehicles (including parts)	570 981	98 074	45 907
Less than 50 lb	33 866	1 619	489
50 to 99 lb	11 199	808	246
100 to 499 lb	38 657	2 846	982
500 to 749 lb	13 484	1 096	404
750 to 999 lb	9 611	852	312
1,000 to 9,999 lb	180 812	23 350	10 700
10,000 to 49,999 lb	212 038	49 794	22 969
50,000 to 99,999 lb	47 621	10 244	6 463
100,000 lb or more	23 693	7 465	3 342
SCTG 37, Transportation equipment, n.e.c.	129 185	5 477	3 758
Less than 50 lb	21 942	59	46
50 to 99 lb	10 348	29	24
100 to 499 lb	14 824	134	122
500 to 749 lb	3 920	44	32
750 to 999 lb	1 682	36	35
1,000 to 9,999 lb	18 411	867	652
10,000 to 49,999 lb	14 322	2 076	1 417
50,000 to 99,999 lb	7 105	478	302
100,000 lb or more	36 630	1 754	1 128
SCTG 38, Precision instruments and apparatus	157 946	2 939	2 169
Less than 50 lb	73 924	442	351
50 to 99 lb	14 372	146	104
100 to 499 lb	32 067	524	345
500 to 749 lb	6 444	137	86
750 to 999 lb	3 904	105	67
1,000 to 9,999 lb	21 453	826	654
10,000 to 49,999 lb	5 693	703	542
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	97 255	19 910	11 565
Less than 50 lb	4 242	270	201
50 to 99 lb	3 056	290	178
100 to 499 lb	16 383	1 934	951
500 to 749 lb	5 952	847	417
750 to 999 lb	4 009	653	325
1,000 to 9,999 lb	38 875	7 744	4 123
10,000 to 49,999 lb	23 675	7 462	4 800
50,000 to 99,999 lb	769	592	S
100,000 lb or more	296	117	52
SCTG 40, Miscellaneous manufactured products	420 883	112 492	39 872
Less than 50 lb	114 361	2 181	1 706
50 to 99 lb	20 457	957	617
100 to 499 lb	53 764	4 018	2 225
500 to 749 lb	16 387	1 519	874
750 to 999 lb	9 694	1 105	576
1,000 to 9,999 lb	87 288	18 308	9 863
10,000 to 49,999 lb	109 735	47 899	17 792
50,000 to 99,999 lb	5 708	8 174	2 050
100,000 lb or more	3 491	S	4 170

See footnotes at end of table.

Table 9. Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	32 714	177 824	40 126
Less than 50 lb	S	S	S
50 to 99 lb	S	1	S
100 to 499 lb	67	17	3
500 to 749 lb	24	22	2
750 to 999 lb	19	16	1
1,000 to 9,999 lb	1 910	3 098	217
10,000 to 49,999 lb	20 683	91 234	15 509
50,000 to 99,999 lb	2 676	24 128	3 281
100,000 lb or more	7 314	59 307	21 111
SCTG 43, Mixed freight	230 415	110 271	17 224
Less than 50 lb	6 202	421	115
50 to 99 lb	2 570	343	61
100 to 499 lb	10 825	2 833	328
500 to 749 lb	4 763	1 641	181
750 to 999 lb	4 319	1 451	182
1,000 to 9,999 lb	60 703	25 023	3 691
10,000 to 49,999 lb	135 939	71 757	9 219
50,000 to 99,999 lb	S	2 281	S
100,000 lb or more	1 384	S	S
Commodity unknown	36 527	46 191	11 796
Less than 50 lb	4 212	92	47
50 to 99 lb	1 640	59	23
100 to 499 lb	4 505	352	103
500 to 749 lb	1 159	156	38
750 to 999 lb	748	153	35
1,000 to 9,999 lb	7 461	2 783	641
10,000 to 49,999 lb	12 386	11 821	3 263
50,000 to 99,999 lb	1 129	S	S
100,000 lb or more	3 285	14 363	3 886

— 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 United States: 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	6 943 988	11 089 733	2 661 363	472	2 168 057	6 444 454	135 926	597 587	1 079 841	102 983
Less than 50 lb	853 289	21 348	9 950	574	227 620	10 211	184	55 364	1 379	128
50 to 99 lb	249 541	14 200	4 450	312	83 404	8 289	158	16 896	1 124	103
100 to 499 lb	727 368	82 166	19 601	243	259 233	51 738	1 012	58 602	7 539	689
500 to 749 lb	219 136	38 955	8 852	225	78 916	24 433	496	15 736	3 715	339
750 to 999 lb	154 348	32 484	7 260	223	51 356	20 031	400	12 950	3 258	298
1,000 to 9,999 lb	1 536 448	579 490	131 388	225	499 105	342 288	6 882	144 744	57 566	5 295
10,000 to 49,999 lb	2 286 364	4 073 970	734 805	183	577 257	2 582 511	53 455	220 397	376 498	34 396
50,000 to 99,999 lb	360 091	2 229 997	188 735	83	183 963	1 550 404	37 847	45 863	361 058	32 431
100,000 lb or more	557 404	4 017 124	1 556 321	418	207 203	1 854 548	35 493	27 034	267 703	29 303
SCTG 01, Live animals and live fish	6 173	5 922	1 497	272	1 093	1 502	41	1 334	1 365	134
Less than 50 lb	S	S	2	207	S	S	S	S	S	S
50 to 99 lb	S	10	2	194	S	6	S	S	S	S
100 to 499 lb	S	S	S	710	S	17	S	5	1	-
500 to 749 lb	36	9	S	400	9	S	-	1	-	-
750 to 999 lb	41	9	S	188	9	2	-	S	S	S
1,000 to 9,999 lb	563	369	73	229	249	132	4	56	54	5
10,000 to 49,999 lb	3 601	4 128	989	222	394	1 026	25	5	S	S
50,000 to 99,999 lb	951	876	259	291	97	119	4	S	S	S
100,000 lb or more	512	465	139	329	170	S	7	25	18	2
SCTG 02, Cereal grains	59 642	489 693	200 594	125	26 769	225 203	5 445	4 052	36 355	3 447
Less than 50 lb	2	2	-	173	1	1	-	S	S	S
50 to 99 lb	7	17	1	29	6	16	-	S	S	S
100 to 499 lb	59	144	5	32	50	134	2	S	4	-
500 to 749 lb	35	93	6	66	22	78	1	S	8	1
750 to 999 lb	25	73	5	S	19	63	1	-	1	-
1,000 to 9,999 lb	1 011	2 646	282	107	514	2 006	34	52	186	18
10,000 to 49,999 lb	6 357	27 484	4 744	163	2 131	17 144	366	424	3 030	278
50,000 to 99,999 lb	15 359	143 923	13 140	92	9 400	90 305	2 711	2 682	24 498	2 223
100,000 lb or more	36 786	315 312	182 409	661	14 625	115 456	2 329	882	8 627	927
SCTG 03, Other agricultural products	102 344	201 661	80 762	438	43 860	93 077	2 778	13 499	26 600	2 474
Less than 50 lb	3 101	402	118	581	1 684	251	4	234	24	2
50 to 99 lb	1 181	335	41	122	783	277	5	122	24	2
100 to 499 lb	5 301	2 784	264	99	3 406	2 228	35	615	278	25
500 to 749 lb	2 285	1 601	131	81	1 334	1 166	20	362	255	23
750 to 999 lb	1 619	1 194	105	87	964	874	15	298	168	16
1,000 to 9,999 lb	18 231	20 863	6 009	257	9 355	11 725	218	2 577	3 057	262
10,000 to 49,999 lb	38 071	55 305	25 078	433	12 387	22 376	599	5 374	7 084	656
50,000 to 99,999 lb	12 350	46 763	4 396	90	7 062	28 187	975	2 869	11 947	1 077
100,000 lb or more	20 205	72 413	44 621	587	6 885	25 992	909	1 047	3 762	411
SCTG 04, Animal feed and products of animal origin, n.e.c.	66 848	219 699	46 770	79	28 167	124 577	3 294	8 298	23 405	2 152
Less than 50 lb	241	104	12	164	143	92	2	6	1	-
50 to 99 lb	317	313	14	S	251	300	5	6	3	-
100 to 499 lb	1 601	2 004	95	S	1 182	1 859	27	77	37	3
500 to 749 lb	872	1 191	59	48	586	1 049	16	66	41	4
750 to 999 lb	499	631	S	100	289	527	8	44	29	3
1,000 to 9,999 lb	8 814	20 663	1 281	58	4 915	16 716	322	1 028	1 495	141
10,000 to 49,999 lb	39 580	120 705	21 103	138	15 446	71 288	1 928	5 409	14 360	1 329
50,000 to 99,999 lb	8 320	44 272	6 142	137	4 243	24 901	704	1 234	6 288	557
100,000 lb or more	6 603	29 816	17 997	693	1 113	7 843	282	428	1 151	115
SCTG 05, Meat, fish, seafood, and their preparations	183 784	79 485	36 383	137	54 497	22 579	548	18 024	8 471	805
Less than 50 lb	2 083	236	25	134	1 584	185	3	163	21	2
50 to 99 lb	2 673	422	31	73	1 996	324	6	298	52	5
100 to 499 lb	12 166	3 022	243	79	8 663	2 176	46	1 709	471	44
500 to 749 lb	4 956	1 507	161	107	3 157	943	21	711	269	24
750 to 999 lb	3 681	1 254	148	117	2 229	750	18	483	197	18
1,000 to 9,999 lb	45 801	17 125	4 769	227	16 962	6 828	155	5 895	2 624	248
10,000 to 49,999 lb	105 410	51 253	28 304	525	17 641	9 906	257	8 211	4 438	425
50,000 to 99,999 lb	2 692	1 880	945	515	726	623	17	S	198	18
100,000 lb or more	4 323	2 787	1 758	693	1 538	843	23	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	109 854	102 721	48 487	122	32 369	27 318	699	12 434	10 870	1 012
Less than 50 lb	2 063	570	37	133	1 426	498	8	104	30	3
50 to 99 lb	1 416	602	26	44	1 195	523	10	114	43	4
100 to 499 lb	6 313	2 573	184	66	4 636	1 944	39	708	293	26
500 to 749 lb	3 003	1 292	119	92	1 776	799	18	575	233	22
750 to 999 lb	2 284	1 129	145	129	1 099	549	12	454	246	23
1,000 to 9,999 lb	23 641	13 298	3 119	195	8 541	5 267	116	3 743	2 241	209
10,000 to 49,999 lb	62 135	54 252	26 020	453	11 118	12 056	331	5 855	5 992	561
50,000 to 99,999 lb	3 123	9 072	1 561	168	1 563	4 203	134	5 333	1 430	131
100,000 lb or more	5 876	19 934	17 275	887	1 016	1 479	29	348	362	34

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	346 379	396 882	124 110	127	127 686	165 864	3 936	43 188	54 003	4 996
Less than 50 lb	3 936	897	93	188	2 649	756	13	256	41	4
50 to 99 lb	3 168	1 030	72	72	2 282	850	17	329	86	8
100 to 499 lb	17 251	9 848	629	61	12 078	8 013	168	1 671	928	81
500 to 749 lb	7 607	4 969	385	77	4 845	3 891	86	936	498	44
750 to 999 lb	6 114	4 184	343	82	3 807	3 183	69	702	443	40
1,000 to 9,999 lb	70 653	58 060	7 509	119	34 289	38 100	837	9 050	7 311	669
10,000 to 49,999 lb	206 699	236 705	70 962	273	58 964	87 959	2 182	27 328	36 034	3 340
50,000 to 99,999 lb	12 729	33 889	5 245	144	5 798	15 457	373	2 419	7 143	641
100,000 lb or more	18 223	47 300	38 871	941	2 974	7 655	191	498	1 519	169
SCTG 08, Alcoholic beverages	87 932	81 079	27 812	58	52 473	41 918	814	6 594	5 685	499
Less than 50 lb	1 373	204	S	172	1 038	155	3	135	19	2
50 to 99 lb	1 347	379	14	38	1 096	326	6	124	30	3
100 to 499 lb	10 403	5 536	162	30	8 952	5 059	96	897	318	27
500 to 749 lb	4 673	3 216	85	26	4 170	3 010	56	318	142	12
750 to 999 lb	3 650	2 765	76	27	3 270	2 601	49	249	118	10
1,000 to 9,999 lb	26 707	22 046	878	34	23 251	20 415	377	1 728	948	84
10,000 to 49,999 lb	30 688	32 345	14 496	377	8 535	8 455	189	2 462	2 809	249
50,000 to 99,999 lb	4 375	6 164	1 469	229	1 463	1 420	32	560	1 157	100
100,000 lb or more	4 716	8 425	10 599	1 222	S	477	5	S	S	S
SCTG 09, Tobacco products	56 394	4 128	1 011	296	23 954	2 565	71	4 169	380	34
Less than 50 lb	3 430	81	18	398	2 166	54	1	431	11	1
50 to 99 lb	2 686	80	9	116	1 963	61	1	304	9	1
100 to 499 lb	9 156	375	54	134	5 486	219	5	1 571	67	6
500 to 749 lb	2 153	128	23	178	1 033	61	2	386	27	3
750 to 999 lb	1 459	101	17	165	776	50	1	260	19	2
1,000 to 9,999 lb	6 441	519	120	206	2 485	209	6	852	113	11
10,000 to 49,999 lb	30 850	2 776	741	202	9 994	1 876	54	365	135	11
50,000 to 99,999 lb	S	S	S	249	S	S	S	—	—	—
100,000 lb or more	S	61	S	421	S	S	S	—	—	—
SCTG 10, Monumental or building stone	2 726	15 893	1 472	115	1 374	12 197	206	237	1 015	94
Less than 50 lb	10	1	—	264	4	1	—	S	S	S
50 to 99 lb	12	2	—	152	10	2	—	S	S	S
100 to 499 lb	148	S	6	S	S	S	S	S	S	S
500 to 749 lb	S	28	4	144	S	21	—	S	S	S
750 to 999 lb	57	29	4	S	42	20	—	S	S	S
1,000 to 9,999 lb	722	773	81	117	S	578	S	34	67	5
10,000 to 49,999 lb	1 423	10 416	1 060	98	469	7 626	118	184	802	75
50,000 to 99,999 lb	127	2 625	181	S	67	2 174	47	6	132	13
100,000 lb or more	92	1 963	134	S	45	1 733	27	S	S	S
SCTG 11, Natural sands	4 279	442 509	25 460	46	2 735	359 478	7 947	440	47 850	4 355
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	1	1	—	105	1	1	—	S	S	S
100 to 499 lb	43	28	2	91	28	22	—	3	2	—
500 to 749 lb	18	27	2	64	12	22	—	S	S	S
750 to 999 lb	16	14	1	S	6	9	—	S	S	S
1,000 to 9,999 lb	284	2 994	133	50	145	2 571	36	41	277	24
10,000 to 49,999 lb	2 174	181 682	7 195	38	1 456	162 655	3 193	180	10 806	951
50,000 to 99,999 lb	973	153 759	7 632	50	689	117 776	3 025	141	28 321	2 525
100,000 lb or more	768	104 003	10 495	117	399	76 422	1 692	71	8 440	855
SCTG 12, Gravel and crushed stone	11 508	1 814 761	92 862	36	9 665	1 560 401	30 299	723	116 405	10 602
Less than 50 lb	S	S	—	S	S	S	—	—	—	—
50 to 99 lb	1	1	—	S	S	1	—	S	S	S
100 to 499 lb	S	41	S	284	S	28	—	S	S	S
500 to 749 lb	S	37	1	S	S	33	—	S	S	S
750 to 999 lb	1	42	1	S	1	40	—	S	1	—
1,000 to 9,999 lb	191	8 983	185	21	170	8 593	104	8	199	18
10,000 to 49,999 lb	6 552	1 034 177	35 590	33	5 861	946 939	17 923	310	49 458	4 260
50,000 to 99,999 lb	2 756	446 870	16 219	37	2 330	390 326	7 984	276	41 906	3 714
100,000 lb or more	1 895	324 611	40 857	87	1 282	214 441	4 286	129	24 838	2 610
SCTG 13, Nonmetallic minerals n.e.c.	11 329	235 731	52 229	174	3 552	152 474	3 810	1 395	18 567	1 712
Less than 50 lb	56	6	2	567	26	3	—	4	S	—
50 to 99 lb	54	17	S	394	8	9	—	2	1	—
100 to 499 lb	204	122	14	112	115	94	2	15	7	S
500 to 749 lb	141	138	11	76	S	112	S	8	8	1
750 to 999 lb	64	51	S	135	17	35	—	S	S	S
1,000 to 9,999 lb	1 098	3 549	323	102	504	2 614	50	156	374	36
10,000 to 49,999 lb	6 210	108 969	12 177	110	1 777	85 634	1 891	S	5 185	488
50,000 to 99,999 lb	948	34 293	3 754	113	368	20 703	671	214	6 676	634
100,000 lb or more	2 554	88 586	35 933	566	640	43 269	1 193	95	6 313	553

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	12 605	90 705	47 666	303	2 640	27 374	797	1 644	11 901	1 224
Less than 50 lb	53	2	S	341	19	1	—	S	—	—
50 to 99 lb	52	3	1	279	S	2	—	S	—	—
100 to 499 lb	463	18	7	377	51	6	—	10	1	—
500 to 749 lb	S	12	3	S	33	S	S	3	1	—
750 to 999 lb	42	6	S	319	17	3	S	S	—	—
1,000 to 9,999 lb	988	298	74	218	212	165	4	57	34	S
10,000 to 49,999 lb	3 631	7 984	2 190	300	495	2 598	45	513	S	S
50,000 to 99,999 lb	885	3 018	713	S	196	1 902	39	22	S	S
100,000 lb or more	6 092	79 363	44 675	447	1 594	22 689	709	1 031	9 659	992
SCTG 15, Coal	25 486	1 217 038	542 300	81	10 187	452 291	10 368	2 418	96 554	12 145
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	85	S	S	S	—	—	—
100 to 499 lb	S	2	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	62	S	3	—	S	S	S
750 to 999 lb	—	3	—	25	—	3	—	S	S	S
1,000 to 9,999 lb	S	416	14	27	S	373	5	S	S	S
10,000 to 49,999 lb	1 489	36 004	2 160	57	1 127	28 610	705	118	3 482	328
50,000 to 99,999 lb	2 476	94 730	9 004	84	1 821	69 897	1 988	167	8 423	827
100,000 lb or more	21 294	1 085 877	531 122	154	7 054	353 404	7 669	2 127	84 618	10 988
SCTG 17, Gasoline and aviation turbine fuel	217 051	962 815	136 639	45	157 265	662 470	11 025	20 337	80 209	6 947
Less than 50 lb	19	22	—	S	18	22	—	S	S	S
50 to 99 lb	38	77	1	18	36	75	1	S	S	S
100 to 499 lb	408	361	5	13	404	356	4	3	3	—
500 to 749 lb	116	239	5	21	111	233	4	S	2	—
750 to 999 lb	140	283	6	21	134	276	5	S	S	S
1,000 to 9,999 lb	12 093	20 409	807	33	10 456	17 867	359	929	1 354	124
10,000 to 49,999 lb	29 658	109 545	8 004	72	21 837	79 083	1 632	3 685	14 641	1 328
50,000 to 99,999 lb	97 148	357 069	19 852	57	78 197	280 797	6 444	11 459	45 562	3 926
100,000 lb or more	77 431	474 810	107 958	165	46 073	283 761	2 575	4 256	18 642	1 568
SCTG 18, Fuel oils	94 309	481 682	51 171	28	69 932	347 579	6 087	9 001	48 083	4 486
Less than 50 lb	16	15	S	31	16	13	—	S	S	S
50 to 99 lb	25	37	1	25	23	33	—	S	S	S
100 to 499 lb	420	819	14	17	404	803	12	S	13	1
500 to 749 lb	396	1 078	18	17	378	1 056	15	S	11	1
750 to 999 lb	466	1 484	23	15	456	1 452	20	7	18	1
1,000 to 9,999 lb	10 689	31 592	811	20	9 629	29 602	496	562	1 065	95
10,000 to 49,999 lb	14 711	67 996	3 778	50	11 535	51 548	1 009	1 945	10 077	972
50,000 to 99,999 lb	26 837	131 319	8 171	62	19 833	94 418	1 965	4 104	22 245	1 949
100,000 lb or more	40 750	247 342	38 355	224	27 658	168 654	2 571	2 352	14 649	1 466
SCTG 19, Coal and petroleum products, n.e.c.	74 900	475 105	81 873	85	38 161	316 981	5 810	7 495	39 154	3 979
Less than 50 lb	533	126	10	89	399	107	2	32	5	—
50 to 99 lb	457	147	16	110	313	122	2	25	8	1
100 to 499 lb	2 462	1 673	110	67	1 839	1 423	26	248	115	10
500 to 749 lb	818	951	44	47	592	865	16	74	41	4
750 to 999 lb	941	1 284	89	69	680	1 077	19	122	107	10
1,000 to 9,999 lb	8 740	14 250	1 319	74	5 705	11 342	208	930	964	86
10,000 to 49,999 lb	22 065	168 121	15 814	95	9 311	129 004	2 297	2 435	10 452	966
50,000 to 99,999 lb	6 648	60 515	5 048	83	3 742	42 964	920	979	5 456	519
100,000 lb or more	32 236	228 039	59 423	400	15 581	130 076	2 320	2 651	22 005	2 382
SCTG 20, Basic chemicals	159 623	296 056	136 806	332	44 944	106 267	2 341	10 234	27 595	2 666
Less than 50 lb	5 138	170	71	592	1 639	95	2	327	11	1
50 to 99 lb	1 636	219	45	206	553	164	3	69	11	1
100 to 499 lb	5 523	2 373	217	91	2 560	2 016	39	292	114	10
500 to 749 lb	990	1 852	134	135	795	780	17	126	66	6
750 to 999 lb	1 364	737	94	128	447	576	11	112	49	4
1,000 to 9,999 lb	19 079	10 951	2 038	165	6 327	6 716	148	1 821	1 300	118
10,000 to 49,999 lb	56 809	88 167	27 138	310	12 973	32 520	864	3 902	12 526	1 190
50,000 to 99,999 lb	3 635	18 264	4 751	253	1 180	8 423	263	413	3 512	383
100,000 lb or more	64 588	174 183	102 317	786	18 472	54 976	994	3 172	10 006	953
SCTG 21, Pharmaceutical products	224 448	9 897	5 580	692	54 816	2 841	58	23 448	851	82
Less than 50 lb	78 350	694	339	717	17 130	197	5	7 256	83	8
50 to 99 lb	18 911	304	111	374	4 806	88	3	2 562	49	5
100 to 499 lb	42 165	965	370	378	9 570	290	8	6 467	177	18
500 to 749 lb	9 225	279	137	500	1 509	79	2	681	31	3
750 to 999 lb	8 253	196	86	434	1 012	52	1	968	27	2
1,000 to 9,999 lb	35 356	1 706	802	454	9 626	475	13	3 357	233	22
10,000 to 49,999 lb	31 774	5 161	3 631	661	10 892	1 211	18	2 155	243	24
50,000 to 99,999 lb	331	103	S	638	S	S	—	S	S	S
100,000 lb or more	84	S	42	256	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 United States: 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	27 334	179 056	43 562	116	15 571	112 011	3 071	2 320	12 903	1 194
Less than 50 lb	S	S	4	322	S	S	S	S	S	S
50 to 99 lb	38	23	1	62	20	21	—	S	1	—
100 to 499 lb	164	165	9	49	111	140	2	S	S	S
500 to 749 lb	96	119	8	66	61	93	2	8	10	1
750 to 999 lb	72	106	6	51	45	86	1	6	6	1
1,000 to 9,999 lb	3 642	11 532	366	38	2 934	10 558	154	269	451	43
10,000 to 49,999 lb	9 880	49 471	6 211	95	6 022	30 245	784	1 194	7 090	635
50,000 to 99,999 lb	3 336	23 386	3 162	137	1 813	13 097	356	521	3 887	345
100,000 lb or more	9 995	94 234	33 796	583	4 521	57 763	1 771	243	1 438	169
SCTG 23, Chemical products and preparations, n.e.c.	209 487	92 034	45 004	333	60 194	26 973	603	13 321	6 758	631
Less than 50 lb	15 262	681	210	353	5 925	328	6	1 428	64	6
50 to 99 lb	6 474	523	145	272	3 017	284	5	473	42	4
100 to 499 lb	22 587	2 758	703	252	9 371	1 497	27	2 020	275	25
500 to 749 lb	8 135	1 197	351	291	3 412	592	12	549	109	10
750 to 999 lb	5 519	985	323	327	2 165	451	11	371	102	9
1,000 to 9,999 lb	48 716	12 467	4 903	388	13 782	4 539	112	3 351	1 126	104
10,000 to 49,999 lb	92 003	59 784	29 912	485	19 321	15 312	369	4 845	4 405	408
50,000 to 99,999 lb	1 752	3 131	790	241	694	1 375	29	162	461	44
100,000 lb or more	9 039	10 509	7 667	873	2 507	2 595	33	121	174	20
SCTG 24, Plastics and rubber	278 832	130 411	69 092	451	72 234	34 153	901	21 808	12 658	1 138
Less than 50 lb	21 289	971	438	519	8 097	439	8	1 536	75	7
50 to 99 lb	8 472	815	262	320	3 562	9	9	703	80	7
100 to 499 lb	30 355	4 425	1 296	285	13 046	2 343	49	2 943	494	45
500 to 749 lb	10 229	1 851	628	336	3 722	882	20	802	169	16
750 to 999 lb	7 314	1 450	537	368	2 237	576	14	837	178	17
1,000 to 9,999 lb	80 934	26 031	10 161	381	21 890	8 530	216	8 121	2 653	244
10,000 to 49,999 lb	97 734	52 932	30 105	540	15 103	10 608	258	5 813	3 819	356
50,000 to 99,999 lb	1 822	2 135	742	365	558	698	14	223	599	49
100,000 lb or more	20 682	39 801	24 922	731	4 019	9 646	313	831	4 591	398
SCTG 25, Logs and other wood in the rough	15 129	370 686	28 090	85	9 041	244 899	7 371	3 007	88 252	7 685
Less than 50 lb	S	S	S	727	S	—	S	S	S	S
50 to 99 lb	1	—	—	—	S	—	—	S	S	S
100 to 499 lb	40	22	3	124	26	18	—	S	S	S
500 to 749 lb	15	21	S	107	9	9	—	1	S	S
750 to 999 lb	14	17	2	S	7	14	—	3	2	S
1,000 to 9,999 lb	883	1 442	111	77	505	1 157	35	137	145	14
10,000 to 49,999 lb	4 340	82 395	5 675	68	2 383	56 109	1 993	684	19 121	1 611
50,000 to 99,999 lb	7 500	235 423	13 787	58	4 858	156 708	4 414	1 855	62 280	5 370
100,000 lb or more	2 265	51 364	8 508	S	1 182	30 883	S	324	6 696	690
SCTG 26, Wood products ..	126 426	329 119	96 896	287	41 088	130 234	3 710	16 588	60 686	5 661
Less than 50 lb	1 854	147	56	487	580	58	1	239	19	2
50 to 99 lb	1 180	190	58	334	596	98	2	182	28	3
100 to 499 lb	5 904	1 248	214	161	3 065	738	16	901	188	18
500 to 749 lb	2 531	726	124	167	1 352	442	9	388	109	10
750 to 999 lb	1 851	667	99	147	958	416	9	248	97	9
1,000 to 9,999 lb	24 135	21 148	2 452	124	12 575	14 272	333	3 407	2 789	258
10,000 to 49,999 lb	61 288	150 077	39 274	235	15 509	56 853	1 568	8 283	24 095	2 266
50,000 to 99,999 lb	14 133	85 066	13 897	161	4 247	36 689	1 217	2 383	24 819	2 267
100,000 lb or more	13 549	69 849	40 723	810	2 206	20 668	554	556	8 542	829
SCTG 27, Pulp, newsprint, paper, and paperboard	106 578	152 290	83 669	194	26 911	27 629	614	8 410	S	1 882
Less than 50 lb	1 470	179	31	194	858	127	2	103	12	1
50 to 99 lb	988	216	29	131	650	152	3	78	23	2
100 to 499 lb	4 962	1 629	207	124	3 240	1 167	24	516	180	16
500 to 749 lb	1 887	840	104	121	1 194	611	13	184	79	7
750 to 999 lb	1 527	677	91	132	991	488	10	159	68	6
1,000 to 9,999 lb	16 087	10 401	2 085	174	8 380	6 046	126	1 577	1 302	126
10,000 to 49,999 lb	56 215	76 496	42 033	508	8 921	12 812	303	4 282	5 929	573
50,000 to 99,999 lb	3 356	8 105	3 345	358	940	2 059	37	562	1 359	136
100,000 lb or more	20 086	53 748	35 743	646	1 737	4 167	95	949	S	S
SCTG 28, Paper or paperboard articles	98 347	73 513	22 013	307	35 905	31 882	800	10 242	9 206	849
Less than 50 lb	4 789	370	127	433	2 086	206	4	287	29	3
50 to 99 lb	2 013	379	71	187	1 171	255	5	202	39	3
100 to 499 lb	7 497	2 154	297	139	4 411	1 476	32	869	254	23
500 to 749 lb	2 746	1 083	177	164	1 514	708	16	308	122	11
750 to 999 lb	1 928	836	146	176	1 108	535	12	217	101	9
1,000 to 9,999 lb	25 288	16 019	3 174	182	12 202	8 944	201	3 106	2 315	211
10,000 to 49,999 lb	52 199	48 433	16 200	305	12 656	18 039	484	5 118	5 894	543
50,000 to 99,999 lb	513	1 208	343	268	202	557	12	66	186	19
100,000 lb or more	1 374	3 031	1 478	574	555	1 162	34	S	266	27

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	260 327	78 053	22 797	431	94 155	45 990	786	18 540	4 774	440
Less than 50 lb	51 209	3 886	1 485	449	15 038	2 318	41	2 393	178	16
50 to 99 lb	13 428	1 627	458	278	4 605	1 084	19	809	81	7
100 to 499 lb	45 566	5 856	1 795	293	15 743	3 705	63	4 097	378	35
500 to 749 lb	11 017	2 037	691	328	4 888	1 259	23	614	110	10
750 to 999 lb	10 648	1 750	767	440	3 444	1 000	16	366	77	7
1,000 to 9,999 lb	78 706	26 365	7 262	300	29 607	16 008	281	6 868	1 835	168
10,000 to 49,999 lb	45 757	29 191	9 116	267	17 987	14 888	277	3 218	1 861	174
50,000 to 99,999 lb	1 809	2 487	381	151	1 196	1 988	S	S	72	7
100,000 lb or more	2 186	4 855	840	S	1 647	S	19	25	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	379 161	45 872	24 666	912	77 070	11 067	256	33 064	3 877	369
Less than 50 lb	56 542	1 550	1 484	944	6 397	200	4	2 380	67	6
50 to 99 lb	14 154	654	559	853	2 423	126	3	737	42	4
100 to 499 lb	37 440	2 610	1 690	662	8 397	768	16	2 255	201	19
500 to 749 lb	13 156	1 210	691	567	3 004	383	8	825	114	11
750 to 999 lb	10 818	985	549	556	2 734	342	8	604	68	6
1,000 to 9,999 lb	127 686	11 917	6 645	584	28 139	3 147	73	S	1 056	97
10,000 to 49,999 lb	111 189	23 829	11 428	473	22 484	5 408	131	8 210	2 137	205
50,000 to 99,999 lb	6 698	1 978	630	303	S	535	9	186	145	15
100,000 lb or more	1 477	1 137	988	775	385	160	4	S	S	S
SCTG 31, Nonmetallic mineral products	109 197	910 133	91 412	401	44 582	676 463	12 476	11 212	78 569	7 445
Less than 50 lb	4 900	342	202	778	1 524	131	3	367	21	2
50 to 99 lb	1 700	245	80	317	671	2	2	154	24	2
100 to 499 lb	5 953	1 425	338	251	2 596	884	15	506	130	12
500 to 749 lb	1 671	663	121	182	707	447	8	183	51	5
750 to 999 lb	1 272	568	95	169	561	387	6	82	39	4
1,000 to 9,999 lb	17 680	31 600	3 288	124	7 540	25 436	412	1 340	1 879	169
10,000 to 49,999 lb	59 658	526 370	48 895	87	23 726	406 780	6 756	5 583	36 673	3 314
50,000 to 99,999 lb	11 153	169 569	15 376	92	5 028	100 264	2 522	2 649	34 948	3 314
100,000 lb or more	5 210	179 350	23 017	S	2 228	S	S	349	4 803	624
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	285 690	335 878	117 479	276	76 919	111 417	2 406	27 360	38 462	3 583
Less than 50 lb	6 019	279	96	391	2 427	160	3	526	26	2
50 to 99 lb	3 420	342	70	206	1 648	224	4	307	34	3
100 to 499 lb	14 430	2 708	488	185	6 988	1 750	34	1 402	284	26
500 to 749 lb	5 511	1 506	293	194	2 496	900	19	524	179	16
750 to 999 lb	4 408	1 412	352	242	1 767	801	17	433	197	18
1,000 to 9,999 lb	53 278	31 438	7 053	211	19 320	15 582	354	5 912	4 216	384
10,000 to 49,999 lb	148 602	187 758	57 076	296	31 601	59 577	1 351	14 314	21 567	2 012
50,000 to 99,999 lb	15 630	37 458	6 513	180	5 017	17 885	320	2 913	6 550	592
100,000 lb or more	34 393	72 977	45 537	578	5 656	14 539	304	1 030	5 409	530
SCTG 33, Articles of base metal	227 182	106 519	48 691	403	68 964	30 522	711	19 573	10 689	995
Less than 50 lb	32 936	1 081	493	425	13 301	503	9	2 520	73	7
50 to 99 lb	11 172	742	259	347	4 028	6	6	725	61	6
100 to 499 lb	31 204	3 788	1 277	340	11 111	1 813	36	2 482	359	33
500 to 749 lb	9 710	1 552	537	343	3 062	699	15	647	149	14
750 to 999 lb	6 863	1 297	448	345	2 325	572	12	528	128	12
1,000 to 9,999 lb	61 799	22 718	8 216	354	19 691	8 905	199	5 652	2 450	228
10,000 to 49,999 lb	63 069	59 107	26 271	424	12 625	13 808	362	6 576	6 053	557
50,000 to 99,999 lb	4 012	4 758	2 303	455	1 081	1 396	35	222	626	61
100,000 lb or more	6 417	11 476	8 887	788	1 740	2 474	37	222	790	77
SCTG 34, Machinery	417 103	49 915	27 037	356	103 097	12 967	312	32 738	3 904	380
Less than 50 lb	57 609	1 181	431	341	20 916	558	11	5 555	111	10
50 to 99 lb	18 007	681	225	324	6 691	338	7	1 922	67	6
100 to 499 lb	53 608	3 412	1 373	381	17 688	1 547	31	4 877	299	28
500 to 749 lb	18 228	1 450	923	628	4 494	482	10	1 209	105	10
750 to 999 lb	10 678	860	455	527	2 268	268	6	731	68	6
1,000 to 9,999 lb	100 240	11 595	5 952	521	21 995	3 435	76	7 158	899	84
10,000 to 49,999 lb	136 518	25 442	13 963	568	24 535	4 925	128	8 981	1 830	189
50,000 to 99,999 lb	14 219	2 851	1 425	493	3 942	940	27	1 933	S	S
100,000 lb or more	7 996	2 443	2 290	963	567	474	S	371	138	11
SCTG 35, Electronic and other electrical equipment and components and office equipment	869 675	39 612	27 053	640	210 503	9 923	209	43 896	2 293	214
Less than 50 lb	239 941	2 024	1 175	660	60 382	874	15	15 153	109	10
50 to 99 lb	70 770	1 133	587	507	21 355	537	9	3 024	61	6
100 to 499 lb	182 113	4 528	2 431	521	50 803	1 956	37	8 238	279	26
500 to 749 lb	43 334	1 444	833	570	12 945	523	10	1 130	90	8
750 to 999 lb	26 736	1 032	635	615	6 633	327	6	1 062	80	7
1,000 to 9,999 lb	189 142	11 306	8 553	716	37 771	2 723	61	10 175	690	67
10,000 to 49,999 lb	113 554	16 766	11 959	699	19 347	2 370	59	5 075	957	88
50,000 to 99,999 lb	2 692	668	654	924	765	159	3	24	18	2
100,000 lb or more	1 393	711	227	387	502	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 United States: 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)	570 981	98 074	45 907	278	135 401	26 692	599	43 146	7 868	737
Less than 50 lb	33 866	1 619	489	262	14 731	894	13	2 879	118	11
50 to 99 lb	11 199	808	246	305	3 984	387	8	1 181	80	7
100 to 499 lb	38 657	2 846	982	335	10 518	1 042	25	4 671	361	34
500 to 749 lb	13 484	1 096	404	363	3 370	348	10	1 355	122	12
750 to 999 lb	9 611	852	312	366	2 137	240	7	1 401	132	13
1,000 to 9,999 lb	180 812	23 350	10 700	431	50 665	7 114	139	13 664	2 117	199
10,000 to 49,999 lb	212 038	49 794	22 969	451	38 235	13 245	331	15 714	4 246	392
50,000 to 99,999 lb	47 621	10 244	6 463	657	4 591	1 778	45	1 140	516	54
100,000 lb or more	23 693	7 465	3 342	426	7 170	1 644	22	1 141	177	15
SCTG 37, Transportation equipment, n.e.c.	129 185	5 477	3 758	796	35 594	1 144	34	2 566	123	13
Less than 50 lb	21 942	59	46	786	4 429	16	—	1 043	3	—
50 to 99 lb	10 348	29	24	824	1 668	7	—	189	1	—
100 to 499 lb	14 824	134	122	921	3 454	30	1	456	4	—
500 to 749 lb	3 920	44	32	722	1 475	7	—	35	2	—
750 to 999 lb	1 682	36	35	994	151	4	—	S	3	—
1,000 to 9,999 lb	18 411	867	652	708	2 785	72	2	459	39	4
10,000 to 49,999 lb	14 322	2 076	1 417	734	1 038	327	9	177	51	5
50,000 to 99,999 lb	7 105	478	302	621	S	S	S	S	S	S
100,000 lb or more	36 630	1 754	1 128	767	S	584	21	S	S	S
SCTG 38, Precision instruments and apparatus	157 946	2 939	2 169	840	34 114	616	16	7 024	230	21
Less than 50 lb	73 924	442	351	850	11 645	106	2	3 074	26	3
50 to 99 lb	14 372	146	104	693	3 703	40	1	483	9	1
100 to 499 lb	32 067	524	345	692	9 935	176	4	1 959	38	4
500 to 749 lb	6 444	137	86	621	2 189	40	1	485	15	1
750 to 999 lb	3 904	105	67	631	1 158	22	—	157	11	1
1,000 to 9,999 lb	21 453	826	654	712	5 103	203	6	641	46	4
10,000 to 49,999 lb	5 693	703	542	774	380	28	1	224	S	S
50,000 to 99,999 lb	S	S	S	365	—	—	—	—	—	—
100,000 lb or more	S	S	S	208	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	97 255	19 910	11 565	625	28 890	5 319	123	5 885	1 305	119
Less than 50 lb	4 242	270	201	729	1 537	78	1	187	10	1
50 to 99 lb	3 056	290	178	613	1 098	103	2	159	14	1
100 to 499 lb	16 383	1 934	951	486	6 580	735	15	969	134	12
500 to 749 lb	5 952	847	417	488	2 205	293	6	338	62	6
750 to 999 lb	4 009	653	325	495	1 275	208	4	243	45	4
1,000 to 9,999 lb	38 875	7 744	4 123	527	10 728	2 108	48	3 114	642	59
10,000 to 49,999 lb	23 675	7 462	4 800	613	4 847	1 462	40	858	382	34
50,000 to 99,999 lb	769	592	S	874	391	S	S	17	S	S
100,000 lb or more	296	117	52	499	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	420 883	112 492	39 872	860	88 501	50 506	685	39 050	10 266	947
Less than 50 lb	114 361	2 181	1 706	903	23 208	498	10	5 878	130	12
50 to 99 lb	20 457	957	617	635	5 029	297	6	1 209	74	7
100 to 499 lb	53 764	4 018	2 225	561	14 221	1 348	31	3 117	330	31
500 to 749 lb	16 387	1 519	874	565	3 360	493	11	908	135	13
750 to 999 lb	9 694	1 105	576	520	2 092	324	8	683	107	10
1,000 to 9,999 lb	87 288	18 308	9 863	536	19 996	5 684	146	6 601	1 808	165
10,000 to 49,999 lb	109 735	47 899	17 792	367	18 598	14 526	313	19 602	5 926	552
50,000 to 99,999 lb	5 708	8 174	2 050	237	1 294	2 838	95	850	1 364	128
100,000 lb or more	3 491	S	4 170	S	703	S	65	S	392	30
SCTG 41, Waste and scrap	32 714	177 824	40 126	164	12 540	81 942	1 992	3 365	24 453	2 426
Less than 50 lb	S	S	S	727	S	—	S	S	S	S
50 to 99 lb	S	1	S	197	2	—	—	S	S	S
100 to 499 lb	67	17	3	196	14	10	—	S	S	S
500 to 749 lb	24	22	2	S	13	17	—	S	S	S
750 to 999 lb	19	16	1	S	11	13	S	S	S	S
1,000 to 9,999 lb	1 910	3 098	217	64	1 410	2 795	53	80	97	9
10,000 to 49,999 lb	20 683	91 234	15 509	154	7 487	45 603	1 153	2 271	13 775	1 256
50,000 to 99,999 lb	2 676	24 128	3 281	129	1 214	11 555	247	552	6 519	632
100,000 lb or more	7 314	59 307	21 111	329	2 386	21 948	539	455	4 058	529
SCTG 43, Mixed freight	230 415	110 271	17 224	252	98 979	50 387	1 475	42 178	21 422	1 973
Less than 50 lb	6 202	421	115	368	3 186	224	4	568	45	4
50 to 99 lb	2 570	343	61	183	1 410	202	4	272	40	4
100 to 499 lb	10 825	2 833	328	120	5 931	1 674	37	1 770	468	44
500 to 749 lb	4 763	1 641	181	110	2 321	904	23	891	312	29
750 to 999 lb	4 319	1 451	182	125	1 745	723	18	861	296	27
1,000 to 9,999 lb	60 703	25 023	3 691	142	25 498	11 296	324	11 532	4 787	448
10,000 to 49,999 lb	135 939	71 757	9 219	126	57 364	33 969	1 034	25 550	14 979	1 373
50,000 to 99,999 lb	S	2 281	S	196	715	S	S	675	447	40
100,000 lb or more	1 384	S	S	344	811	S	19	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 United States: 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	36 527	46 191	11 796	499	11 665	16 761	402	3 330	4 550	428
Less than 50 lb	4 212	92	47	599	1 243	39	1	241	7	1
50 to 99 lb	1 640	59	23	401	695	33	1	S	4	—
100 to 499 lb	4 505	352	103	289	2 348	191	4	210	29	3
500 to 749 lb	1 159	156	38	243	536	88	2	70	18	2
750 to 999 lb	748	153	35	225	270	89	2	52	16	2
1,000 to 9,999 lb	7 461	2 783	641	242	2 572	1 440	26	866	302	28
10,000 to 49,999 lb	12 386	11 821	3 263	265	2 743	6 105	125	1 107	1 031	95
50,000 to 99,999 lb	1 129	S	S	234	507	4 398	103	75	503	49
100,000 lb or more	3 285	14 363	3 886	436	751	4 378	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 United States: 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	1 062 579	1 311 278	296 032	975 367	905 504	437 463	656 846	541 782	467 800	436 491	383 327	440 999
Less than 50 lb	95 207	2 089	437	101 846	1 924	872	82 098	1 548	1 181	68 294	1 318	1 376
50 to 99 lb	28 324	1 359	275	27 713	1 007	451	21 589	713	540	16 691	505	528
100 to 499 lb	89 455	7 717	1 542	81 997	5 033	2 213	57 741	3 177	2 396	47 595	2 193	2 296
500 to 749 lb	29 330	3 921	780	27 119	2 501	1 100	18 745	1 385	1 039	13 586	926	968
750 to 999 lb	19 805	3 489	692	20 408	2 083	906	12 902	1 263	936	11 890	751	777
1,000 to 9,999 lb	249 337	71 112	14 201	218 494	43 137	18 906	134 781	24 099	18 066	85 079	13 594	14 218
10,000 to 49,999 lb	428 655	463 922	93 867	393 118	297 900	129 865	258 856	150 674	112 455	137 335	83 628	87 384
50,000 to 99,999 lb	46 956	209 025	40 828	29 873	69 603	29 139	17 876	14 057	12 150	8 243	9 096	9 096
100,000 lb or more	75 510	548 643	143 411	74 799	482 317	254 013	52 146	341 047	317 131	43 870	272 170	324 356
SCTG 01, Live animals and live fish	1 732	1 666	348	901	752	344	483	347	274	327	178	185
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	4	1	10	1	—	S	S	S	S	S	S
500 to 749 lb	6	2	—	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	1	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	18	12	5	S	S	S	S	S	S
10,000 to 49,999 lb	1 120	1 124	227	545	524	237	273	202	159	219	146	149
50,000 to 99,999 lb	272	262	56	145	115	53	145	109	88	S	S	S
100,000 lb or more	97	S	22	155	98	48	25	28	21	S	S	S
SCTG 02, Cereal grains	7 000	54 880	12 819	7 116	59 887	30 236	5 971	46 538	45 963	3 842	30 851	38 343
Less than 50 lb	S	—	S	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	1	—	S	—	—	S	S	S	S	S	S
100 to 499 lb	2	3	1	2	1	—	S	S	S	S	S	S
500 to 749 lb	1	3	1	2	2	1	S	S	S	S	S	S
750 to 999 lb	S	4	1	2	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	247	47	61	90	39	S	45	35	33	19	22
10,000 to 49,999 lb	886	2 567	511	740	2 860	1 274	1 075	825	627	320	340	359
50,000 to 99,999 lb	2 167	19 755	3 881	942	8 357	3 198	122	S	S	S	76	84
100,000 lb or more	3 770	32 300	8 378	5 368	48 573	25 722	4 683	44 832	44 665	3 453	30 415	37 877
SCTG 03, Other agricultural products	15 091	22 151	4 517	7 577	13 883	7 306	6 108	17 809	17 227	4 493	11 920	14 665
Less than 50 lb	212	21	4	373	39	17	172	17	13	101	16	17
50 to 99 lb	86	12	2	40	4	2	17	2	2	21	3	3
100 to 499 lb	380	157	29	171	27	12	S	23	19	92	13	14
500 to 749 lb	217	118	22	104	28	11	25	8	6	S	6	7
750 to 999 lb	164	111	22	33	11	5	S	6	4	13	4	5
1,000 to 9,999 lb	2 709	2 599	491	1 124	1 008	420	411	380	281	368	301	325
10,000 to 49,999 lb	7 010	8 014	1 525	3 592	5 418	2 360	1 630	2 571	1 951	1 515	2 364	2 533
50,000 to 99,999 lb	1 772	5 392	975	183	558	230	45	141	100	35	108	112
100,000 lb or more	2 541	5 726	1 446	1 958	6 789	4 251	3 593	14 660	14 850	2 297	9 105	11 650
SCTG 04, Animal feed and products of animal origin, n.e.c.	10 684	29 013	5 881	8 662	19 949	9 667	4 775	13 067	10 833	2 378	3 971	4 386
Less than 50 lb	10	2	—	35	3	1	16	2	1	7	S	S
50 to 99 lb	S	2	1	19	4	2	5	1	1	9	S	S
100 to 499 lb	126	61	12	63	22	9	S	7	5	12	3	3
500 to 749 lb	132	76	15	36	15	6	5	2	2	S	2	2
750 to 999 lb	75	43	8	22	13	5	10	5	4	S	S	S
1,000 to 9,999 lb	1 441	1 636	314	847	542	236	208	172	127	100	48	51
10,000 to 49,999 lb	6 501	15 705	3 146	5 638	9 765	4 221	2 732	5 124	3 803	1 664	1 947	2 064
50,000 to 99,999 lb	1 509	7 639	1 519	710	3 535	1 561	307	1 384	1 052	S	237	253
100,000 lb or more	876	3 849	866	1 293	6 050	3 627	1 427	6 369	5 838	384	1 732	2 011
SCTG 05, Meat, fish, seafood, and their preparations	28 209	13 798	2 824	26 467	12 640	5 544	17 550	7 678	5 796	12 763	4 703	4 872
Less than 50 lb	136	17	3	63	5	3	16	1	1	24	2	2
50 to 99 lb	187	31	5	S	S	S	S	1	1	S	1	2
100 to 499 lb	1 015	276	50	304	50	20	71	11	9	88	9	10
500 to 749 lb	603	210	39	201	40	17	62	13	10	49	9	9
750 to 999 lb	580	229	42	148	36	15	56	10	8	44	9	9
1,000 to 9,999 lb	8 362	3 615	706	4 993	1 729	725	2 728	775	581	2 386	547	570
10,000 to 49,999 lb	16 417	8 797	1 846	19 508	10 049	4 436	14 271	6 599	4 965	9 840	3 903	4 047
50,000 to 99,999 lb	619	388	86	192	146	60	135	101	77	S	S	S
100,000 lb or more	289	236	46	958	575	264	184	166	144	226	125	119
SCTG 06, Milled grain products and preparations, and bakery products	21 330	19 677	4 176	15 940	15 335	7 026	11 686	12 910	10 596	6 614	7 317	7 939
Less than 50 lb	114	21	4	S	9	4	S	4	3	S	3	3
50 to 99 lb	70	28	5	18	4	2	6	1	1	5	S	S
100 to 499 lb	679	242	44	153	49	19	50	21	16	28	8	9
500 to 749 lb	479	202	38	115	40	15	20	7	5	11	3	4
750 to 999 lb	557	266	52	97	39	16	19	8	6	14	7	7
1,000 to 9,999 lb	5 389	2 996	582	3 115	1 509	650	1 329	605	447	575	273	286
10,000 to 49,999 lb	12 621	10 598	2 131	11 311	9 818	4 364	9 008	6 845	5 188	5 041	3 792	3 925
50,000 to 99,999 lb	628	2 403	498	202	583	235	94	159	116	56	159	159
100,000 lb or more	792	2 922	823	750	3 285	1 721	1 098	5 261	4 815	834	3 078	3 546

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	63 874	72 427	14 471	39 466	41 951	19 526	26 630	25 104	19 896	15 804	13 713	14 733
Less than 50 lb	283	40	8	161	17	7	135	11	9	151	12	12
50 to 99 lb	238	57	10	116	13	5	60	9	7	48	7	7
100 to 499 lb	1 731	633	118	622	126	50	335	42	32	229	32	34
500 to 749 lb	849	385	74	334	88	39	203	36	27	153	25	26
750 to 999 lb	788	377	72	305	80	32	122	31	23	113	30	31
1,000 to 9,999 lb	12 618	7 299	1 414	6 477	2 532	1 059	2 913	1 055	790	1 911	654	684
10,000 to 49,999 lb	42 852	50 750	10 078	27 179	26 475	11 286	19 313	14 675	10 988	11 206	7 913	8 185
50,000 to 99,999 lb	2 945	8 599	1 636	692	1 458	609	254	358	278	144	135	142
100,000 lb or more	1 569	4 287	1 060	3 580	11 162	6 439	3 295	8 887	7 742	1 849	4 906	5 612
SCTG 08, Alcoholic beverages	10 080	10 874	2 268	7 312	8 807	3 799	3 385	4 119	3 417	2 372	3 458	4 039
Less than 50 lb	99	18	4	S	S	S	S	S	S	S	S	S
50 to 99 lb	115	21	4	10	2	1	—	—	—	—	—	—
100 to 499 lb	445	135	23	75	18	7	S	2	1	S	S	S
500 to 749 lb	152	55	9	20	6	3	S	2	—	S	S	S
750 to 999 lb	98	35	6	19	5	2	4	S	S	2	S	S
1,000 to 9,999 lb	998	392	72	269	107	49	157	66	50	49	20	21
10,000 to 49,999 lb	6 125	7 342	1 543	5 432	6 527	2 762	2 546	2 605	1 978	1 559	1 781	1 886
50,000 to 99,999 lb	1 521	2 335	446	646	901	376	S	S	S	41	89	S
100,000 lb or more	527	540	162	824	1 239	597	591	1 364	1 322	707	1 564	2 019
SCTG 09, Tobacco products	4 623	354	70	9 771	374	177	5 532	187	139	2 145	68	72
Less than 50 lb	252	5	1	64	1	1	85	2	2	134	3	3
50 to 99 lb	278	6	1	52	2	1	19	1	1	12	—	—
100 to 499 lb	1 198	49	9	412	21	9	193	8	6	73	4	4
500 to 749 lb	334	22	4	206	9	4	73	3	3	41	3	3
750 to 999 lb	161	14	3	129	10	4	S	S	S	S	S	S
1,000 to 9,999 lb	1 139	101	20	1 039	47	20	533	28	20	130	7	7
10,000 to 49,999 lb	1 125	132	28	7 870	284	139	4 538	139	104	1 744	51	54
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	561	1 579	310	202	579	242	129	234	171	69	115	118
Less than 50 lb	S	—	—	S	S	S	S	S	S	S	S	S
50 to 99 lb	—	—	—	S	S	S	—	—	—	S	S	S
100 to 499 lb	9	5	1	3	2	1	1	1	—	S	S	S
500 to 749 lb	7	2	—	3	1	—	S	1	1	S	S	S
750 to 999 lb	S	S	S	S	S	S	3	1	1	S	S	S
1,000 to 9,999 lb	66	63	14	35	29	13	28	19	14	10	8	8
10,000 to 49,999 lb	440	1 180	239	120	421	170	85	169	123	54	91	93
50,000 to 99,999 lb	15	207	37	S	S	S	6	17	12	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	26	19	S	S	S
SCTG 11, Natural sands	472	25 150	6 144	295	5 835	2 478	160	1 556	1 328	83	1 731	1 776
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	4	S	S	S	S	S	1	S	S	S	S	S
500 to 749 lb	S	S	S	1	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	35	69	15	39	S	S	S	S	S	S	7	7
10,000 to 49,999 lb	214	5 421	993	159	1 182	484	88	297	216	44	S	S
50,000 to 99,999 lb	76	5 862	1 122	29	1 395	530	S	120	91	S	S	S
100,000 lb or more	132	13 790	4 013	64	3 219	1 448	36	1 115	1 003	S	363	461
SCTG 12, Gravel and crushed stone	626	87 021	18 990	240	34 083	15 848	S	9 011	8 169	77	6 879	7 552
Less than 50 lb	S	S	S	—	—	—	—	—	—	—	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	1	—	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	1	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	12	131	24	S	36	14	S	6	4	S	S	S
10,000 to 49,999 lb	245	27 067	5 302	67	5 362	2 333	14	533	379	46	4 425	4 746
50,000 to 99,999 lb	115	11 438	2 135	25	1 730	693	1	69	53	6	889	996
100,000 lb or more	252	48 382	11 529	147	26 954	12 809	57	8 393	7 724	25	1 550	1 792
SCTG 13, Nonmetallic minerals n.e.c.	2 445	22 895	5 210	1 419	13 564	6 667	971	12 840	11 860	533	7 772	9 612
Less than 50 lb	6	1	—	3	—	—	6	1	—	S	—	—
50 to 99 lb	5	S	—	S	1	1	1	S	S	S	S	S
100 to 499 lb	24	7	2	24	5	2	12	S	S	4	S	S
500 to 749 lb	10	S	—	S	S	S	S	S	S	S	—	—
750 to 999 lb	5	S	1	S	S	S	4	S	S	S	S	S
1,000 to 9,999 lb	258	370	72	53	79	33	37	50	41	27	17	18
10,000 to 49,999 lb	1 517	7 950	1 653	985	4 805	2 125	436	2 520	1 853	219	1 220	1 268
50,000 to 99,999 lb	251	4 960	969	63	1 055	456	32	577	444	6	51	57
100,000 lb or more	369	9 592	2 512	254	7 609	4 046	430	9 684	9 516	256	6 479	8 264

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	2 316	4 806	1 175	2 177	19 413	15 253	1 283	17 208	14 881	765	5 308	6 014
Less than 50 lb	S	S	S	S	—	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	—	—	S	S	S	S	S	S
100 to 499 lb	S	3	1	S	S	S	44	1	1	S	S	S
500 to 749 lb	11	S	S	S	1	S	S	1	S	1	—	—
750 to 999 lb	S	S	S	3	S	S	1	—	—	S	S	S
1,000 to 9,999 lb	152	46	8	226	19	8	S	14	10	S	5	5
10,000 to 49,999 lb	549	S	S	650	807	363	156	231	170	375	209	211
50,000 to 99,999 lb	527	505	111	82	145	62	S	S	S	S	S	S
100,000 lb or more	988	2 474	655	914	18 438	14 818	917	16 918	14 666	266	5 037	5 732
SCTG 15, Coal	4 925	194 579	60 064	4 515	174 751	92 564	1 553	114 188	110 956	1 108	111 639	136 656
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	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	S	9	2	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	132	2 833	578	59	887	366	S	135	106	2	17	18
50,000 to 99,999 lb	364	11 755	2 872	82	2 933	1 661	S	S	S	—	—	—
100,000 lb or more	4 417	179 981	56 611	4 359	170 927	90 536	1 457	112 330	109 195	1 105	111 621	136 637
SCTG 17, Gasoline and aviation turbine fuel	21 938	98 332	17 726	9 833	46 163	16 576	2 744	26 851	20 989	1 813	29 094	27 499
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	2	—	S	S	S	—	—	—	S	S	S
500 to 749 lb	2	S	—	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	4	1	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	644	1 011	184	S	S	S	S	S	S	21	78	80
10,000 to 49,999 lb	2 959	11 990	2 184	728	2 280	933	85	S	S	112	444	524
50,000 to 99,999 lb	5 789	23 446	4 236	1 021	4 214	1 781	210	S	S	S	S	S
100,000 lb or more	12 539	61 876	11 120	8 047	39 590	13 830	2 445	25 730	20 221	1 605	28 280	26 571
SCTG 18, Fuel oils	9 478	51 248	9 611	2 526	15 260	S	1 484	8 854	6 534	1 022	5 189	4 946
Less than 50 lb	S	S	S	S	S	S	S	S	S	—	—	—
50 to 99 lb	1	S	—	—	—	—	—	—	—	—	—	—
100 to 499 lb	1	3	1	S	S	S	—	—	—	—	—	—
500 to 749 lb	3	S	S	S	S	S	—	—	—	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	443	822	152	41	59	25	S	S	S	5	22	22
10,000 to 49,999 lb	941	5 089	957	188	819	355	S	S	S	45	257	296
50,000 to 99,999 lb	2 096	11 000	2 110	606	2 730	1 145	78	372	264	65	369	405
100,000 lb or more	5 991	34 309	6 388	1 689	11 650	S	1 367	8 342	6 180	907	4 541	4 222
SCTG 19, Coal and petroleum products, n.e.c.	10 917	54 941	11 928	8 478	30 192	15 133	4 418	16 582	15 403	2 137	5 179	6 135
Less than 50 lb	41	6	1	21	2	1	14	2	2	6	1	1
50 to 99 lb	24	5	1	16	3	1	S	S	S	S	1	1
100 to 499 lb	163	74	14	73	16	7	45	21	16	19	5	5
500 to 749 lb	34	19	4	39	12	5	17	4	3	S	S	S
750 to 999 lb	54	37	6	38	23	9	22	S	S	12	2	2
1,000 to 9,999 lb	1 090	1 123	224	500	335	155	167	114	85	158	65	65
10,000 to 49,999 lb	3 882	16 116	3 064	2 959	6 088	2 564	1 706	3 547	2 713	815	1 213	1 278
50,000 to 99,999 lb	1 276	9 198	1 886	349	2 202	934	68	209	150	S	S	S
100,000 lb or more	4 353	28 362	6 726	4 482	21 512	11 458	2 371	12 658	12 414	1 017	3 692	4 549
SCTG 20, Basic chemicals	22 368	45 659	10 579	27 094	40 984	18 812	14 538	20 470	18 023	14 842	22 875	28 620
Less than 50 lb	434	12	2	550	15	7	558	8	6	398	8	9
50 to 99 lb	126	10	2	189	10	4	139	5	4	210	7	8
100 to 499 lb	595	89	18	721	62	27	399	31	24	294	21	22
500 to 749 lb	176	47	9	222	43	19	215	14	11	161	13	14
750 to 999 lb	137	40	8	339	37	16	88	8	6	S	8	9
1,000 to 9,999 lb	3 440	1 283	250	3 040	674	275	1 496	340	256	1 036	245	255
10,000 to 49,999 lb	9 057	18 753	3 723	10 279	10 648	4 433	6 295	4 374	3 271	4 494	3 069	3 169
50,000 to 99,999 lb	719	3 050	599	380	1 051	504	246	496	407	383	656	693
100,000 lb or more	7 683	22 376	5 967	11 375	28 444	13 529	5 101	15 194	14 036	7 763	18 847	24 443
SCTG 21, Pharmaceutical products	46 417	1 407	281	31 201	1 474	678	18 692	1 260	955	15 862	681	693
Less than 50 lb	15 390	153	31	10 152	79	35	6 765	49	37	5 739	42	44
50 to 99 lb	5 684	86	17	1 726	28	13	846	16	12	623	9	9
100 to 499 lb	9 308	213	42	6 324	94	41	1 828	49	37	2 136	39	39
500 to 749 lb	2 815	57	11	996	32	15	S	17	12	S	22	24
750 to 999 lb	842	42	8	S	29	13	240	13	10	S	15	15
1,000 to 9,999 lb	7 558	294	58	7 119	215	93	3 193	209	153	1 371	79	81
10,000 to 49,999 lb	4 758	537	107	3 691	928	441	4 930	894	682	1 402	470	473
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 United States: 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	3 137	16 824	3 907	2 514	14 960	7 216	1 671	10 210	9 112	1 078	6 391	7 769
Less than 50 lb	7	1	—	S	1	—	3	S	S	S	S	S
50 to 99 lb	S	1	—	S	S	—	S	S	S	S	S	S
100 to 499 lb	18	8	1	6	3	1	2	1	1	S	S	S
500 to 749 lb	16	12	2	3	2	1	S	S	S	S	S	S
750 to 999 lb	14	S	2	4	2	1	S	S	S	S	S	S
1,000 to 9,999 lb	285	381	72	93	89	39	35	27	21	S	17	17
10,000 to 49,999 lb	1 389	6 822	1 326	725	3 147	1 336	330	1 351	979	92	384	395
50,000 to 99,999 lb	590	3 746	757	275	1 648	734	93	661	517	22	184	197
100,000 lb or more	815	5 842	1 745	1 402	10 069	5 105	1 204	8 167	7 594	938	5 805	7 158
SCTG 23, Chemical products and preparations, n.e.c.	32 251	17 056	3 649	33 755	15 250	6 841	25 235	10 018	7 604	15 018	5 625	5 939
Less than 50 lb	2 015	99	20	2 044	76	33	1 279	45	33	664	21	23
50 to 99 lb	807	68	14	682	54	23	444	24	18	226	14	15
100 to 499 lb	2 746	333	67	2 965	287	128	1 537	153	113	1 271	72	74
500 to 749 lb	1 113	185	39	950	131	56	457	66	49	249	44	47
750 to 999 lb	515	122	25	892	127	54	675	77	57	316	44	45
1,000 to 9,999 lb	8 312	2 155	454	7 040	1 859	797	6 328	1 061	784	3 689	680	697
10,000 to 49,999 lb	15 127	11 629	2 446	17 319	11 024	4 849	13 692	7 566	5 704	7 421	3 410	3 564
50,000 to 99,999 lb	277	632	124	167	234	106	192	136	S	S	S	S
100,000 lb or more	1 280	1 833	460	1 695	1 458	794	631	853	711	1 043	1 164	1 275
SCTG 24, Plastics and rubber	41 789	22 965	5 114	48 025	19 378	8 888	34 680	14 663	11 418	21 819	10 539	11 408
Less than 50 lb	2 505	98	20	2 493	95	42	1 767	64	49	1 615	90	91
50 to 99 lb	1 006	99	20	912	62	27	637	50	37	478	26	28
100 to 499 lb	3 918	534	107	3 320	352	156	2 145	231	175	1 403	152	158
500 to 749 lb	1 369	255	51	1 417	195	86	908	119	91	747	87	91
750 to 999 lb	1 078	234	49	984	169	75	820	108	82	492	65	67
1,000 to 9,999 lb	14 846	4 925	1 010	13 715	4 246	1 863	8 721	2 483	1 845	4 665	1 280	1 322
10,000 to 49,999 lb	15 144	8 848	1 899	22 601	11 005	4 933	16 500	7 815	5 886	8 779	4 254	4 387
50,000 to 99,999 lb	243	285	65	188	146	62	216	160	122	122	94	99
100,000 lb or more	1 680	S	S	2 396	3 108	1 643	2 965	3 634	3 131	3 520	4 491	5 164
SCTG 25, Logs and other wood in the rough	1 635	28 434	5 183	610	S	S	324	1 345	1 029	137	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	3	—	—	S	S	1	S	S	S	S	S	S
500 to 749 lb	S	—	—	S	S	—	S	S	S	S	S	S
750 to 999 lb	1	—	—	S	—	—	S	S	S	S	S	S
1,000 to 9,999 lb	82	90	16	42	17	8	S	S	8	S	19	22
10,000 to 49,999 lb	613	5 515	949	338	1 050	440	144	290	218	63	163	171
50,000 to 99,999 lb	618	13 486	2 179	111	S	S	S	S	S	S	S	S
100,000 lb or more	316	S	S	113	S	S	46	S	S	49	S	S
SCTG 26, Wood products ..	25 843	65 302	14 546	15 319	31 618	14 029	8 915	15 394	12 288	5 855	8 928	10 247
Less than 50 lb	262	20	4	196	13	6	S	16	12	92	7	7
50 to 99 lb	160	24	4	82	12	5	62	6	4	29	3	3
100 to 499 lb	894	167	32	412	62	27	194	30	23	162	24	25
500 to 749 lb	296	84	16	186	34	15	89	17	13	75	14	15
750 to 999 lb	250	79	15	177	34	14	88	19	14	22	4	4
1,000 to 9,999 lb	3 809	2 439	459	1 712	697	299	972	447	325	549	181	189
10,000 to 49,999 lb	13 999	33 256	6 898	9 874	20 146	8 589	4 791	7 123	5 229	2 916	3 203	3 376
50,000 to 99,999 lb	4 040	14 547	2 988	1 431	4 922	2 062	718	1 796	1 354	354	786	891
100,000 lb or more	2 134	14 686	4 129	1 249	5 698	3 012	1 704	5 941	5 314	1 655	4 705	5 736
SCTG 27, Pulp, newsprint, paper, and paperboard ..	15 818	23 950	5 591	19 108	26 824	13 354	14 708	21 843	17 658	10 522	17 050	18 757
Less than 50 lb	134	15	3	115	10	4	67	5	4	42	3	3
50 to 99 lb	90	18	3	67	10	5	40	5	4	18	2	2
100 to 499 lb	383	123	24	316	73	32	158	29	23	129	24	24
500 to 749 lb	210	81	15	129	25	11	56	13	10	54	13	13
750 to 999 lb	163	48	10	84	29	12	54	14	11	30	13	13
1,000 to 9,999 lb	1 865	1 211	245	1 581	769	329	1 095	429	322	748	319	330
10,000 to 49,999 lb	9 820	14 504	3 211	12 150	15 677	7 160	9 047	12 236	9 309	5 614	8 177	8 431
50,000 to 99,999 lb	581	1 911	464	493	1 144	609	293	688	598	200	525	525
100,000 lb or more	2 572	6 039	1 616	4 172	9 087	5 192	3 897	8 423	7 378	3 686	8 064	9 415
SCTG 28, Paper or paperboard articles	16 074	12 125	2 455	14 090	8 716	3 853	9 195	4 995	3 790	5 799	3 269	3 422
Less than 50 lb	556	35	7	410	25	11	417	23	17	310	16	17
50 to 99 lb	168	28	5	159	19	8	82	11	8	90	10	10
100 to 499 lb	830	205	39	479	86	37	331	45	33	204	37	39
500 to 749 lb	299	105	20	248	66	27	169	27	20	92	29	31
750 to 999 lb	229	81	15	163	48	20	88	26	19	45	12	13
1,000 to 9,999 lb	3 827	2 219	431	2 486	1 094	470	1 410	553	415	840	367	382
10,000 to 49,999 lb	10 009	9 148	1 874	9 880	6 700	2 929	6 382	3 759	2 819	4 067	2 518	2 612
50,000 to 99,999 lb	79	137	29	82	166	73	S	52	41	S	S	S
100,000 lb or more	78	168	33	183	514	277	289	500	417	135	236	269

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	43 186	7 610	1 617	29 459	6 729	3 026	23 465	5 202	3 888	15 950	2 408	2 485
Less than 50 lb	5 716	244	52	6 129	264	121	5 362	240	182	5 206	227	234
50 to 99 lb	1 377	95	21	1 853	98	45	1 573	86	66	1 257	63	66
100 to 499 lb	S	466	98	4 066	361	163	3 386	266	196	2 767	177	184
500 to 749 lb	1 419	154	33	1 072	172	81	1 017	99	72	768	45	45
750 to 999 lb	503	108	21	S	186	80	S	109	79	451	50	52
1,000 to 9,999 lb	S	2 681	572	7 468	1 806	825	5 874	1 411	1 059	2 924	714	743
10,000 to 49,999 lb	6 248	3 380	708	6 401	3 545	1 567	5 030	2 800	2 081	2 282	1 039	1 067
50,000 to 99,999 lb	111	106	21	67	70	32	58	S	S	S	35	37
100,000 lb or more	196	377	91	91	228	112	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	60 584	9 296	1 937	61 931	8 298	3 751	43 102	4 910	3 663	25 330	2 370	2 452
Less than 50 lb	6 017	162	35	8 734	243	112	7 702	223	170	5 854	175	182
50 to 99 lb	1 274	71	15	1 971	86	38	1 994	85	64	1 193	55	56
100 to 499 lb	4 000	307	65	4 820	329	149	4 395	295	221	4 217	249	253
500 to 749 lb	1 847	152	32	1 919	160	73	1 376	137	102	1 269	85	90
750 to 999 lb	1 287	121	25	1 867	131	61	1 179	118	86	590	57	59
1,000 to 9,999 lb	22 365	1 938	390	17 735	1 978	902	12 887	1 447	1 072	6 191	626	639
10,000 to 49,999 lb	21 870	5 661	1 180	23 350	4 629	2 057	13 148	2 434	1 813	5 961	1 044	1 091
50,000 to 99,999 lb	S	S	S	S	476	220	233	116	93	35	26	28
100,000 lb or more	196	267	56	259	266	S	188	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	18 136	85 078	17 400	14 719	40 627	18 086	7 871	12 428	9 491	4 210	6 339	6 823
Less than 50 lb	528	30	6	625	49	23	460	22	17	321	29	31
50 to 99 lb	167	24	5	201	21	9	128	11	9	126	13	14
100 to 499 lb	669	134	26	617	100	41	443	62	48	356	35	37
500 to 749 lb	208	67	14	160	36	16	130	25	19	83	16	17
750 to 999 lb	175	49	10	142	30	13	140	S	S	102	14	15
1,000 to 9,999 lb	2 974	1 794	365	2 164	1 026	452	1 421	565	429	725	318	336
10,000 to 49,999 lb	10 155	41 721	8 334	9 441	23 557	10 147	4 435	7 850	5 818	2 267	4 231	4 451
50,000 to 99,999 lb	2 282	27 379	5 148	577	4 628	1 854	406	1 168	850	97	616	649
100,000 lb or more	978	13 879	3 493	792	11 180	5 532	308	2 688	2 275	133	1 066	1 273
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	56 183	70 842	15 729	55 882	56 703	25 822	28 661	26 251	20 162	15 592	16 418	18 339
Less than 50 lb	623	25	5	562	19	8	529	12	9	342	10	10
50 to 99 lb	381	31	7	295	20	9	175	11	8	167	6	6
100 to 499 lb	1 657	279	55	1 463	157	66	908	82	61	653	63	65
500 to 749 lb	667	177	36	583	115	49	377	49	36	262	30	31
750 to 999 lb	637	166	33	541	92	41	325	48	37	201	36	36
1,000 to 9,999 lb	9 219	5 153	1 010	7 560	3 148	1 347	4 137	1 457	1 063	2 654	741	773
10,000 to 49,999 lb	32 726	41 634	8 791	36 690	38 404	16 761	16 731	15 077	11 074	7 026	5 394	5 542
50,000 to 99,999 lb	4 142	7 507	1 512	2 242	3 205	1 356	590	1 337	1 027	121	290	297
100,000 lb or more	6 131	15 870	4 279	5 945	11 544	6 186	4 888	8 177	6 847	4 166	9 848	11 578
SCTG 33, Articles of base metal	35 509	18 932	3 982	36 732	17 515	7 748	24 180	12 255	9 221	14 145	6 813	7 430
Less than 50 lb	3 799	121	25	4 001	110	50	2 621	84	64	1 985	55	58
50 to 99 lb	1 367	95	19	1 742	83	37	1 297	62	45	615	30	31
100 to 499 lb	4 240	507	103	3 682	374	163	3 629	281	209	1 791	148	153
500 to 749 lb	1 283	213	43	1 836	195	86	762	111	83	934	69	70
750 to 999 lb	1 072	186	37	1 048	162	71	699	89	65	409	54	57
1,000 to 9,999 lb	10 523	3 887	807	9 596	3 078	1 369	5 470	1 647	1 237	3 736	1 001	1 035
10,000 to 49,999 lb	12 028	11 753	2 408	12 972	11 441	5 032	8 126	7 315	5 368	3 995	4 439	4 766
50,000 to 99,999 lb	439	649	133	1 102	832	380	503	537	411	236	127	140
100,000 lb or more	759	1 522	406	753	1 239	560	1 074	2 129	1 739	443	891	1 120
SCTG 34, Machinery	62 848	8 399	1 745	70 442	8 599	3 896	48 183	5 810	4 376	32 313	3 459	3 629
Less than 50 lb	7 742	164	34	6 918	128	59	4 655	66	51	3 562	50	52
50 to 99 lb	2 428	91	19	2 033	63	28	1 572	40	31	1 081	30	32
100 to 499 lb	6 846	412	87	7 174	366	166	4 889	254	195	4 089	197	210
500 to 749 lb	2 620	169	35	2 478	180	79	2 161	114	86	1 136	75	78
750 to 999 lb	1 649	126	27	1 520	113	51	1 157	96	73	1 241	67	69
1,000 to 9,999 lb	13 079	1 683	362	17 214	1 890	839	13 735	1 361	1 023	9 516	903	941
10,000 to 49,999 lb	25 108	5 201	1 064	29 655	5 154	2 329	16 960	3 251	2 434	10 516	1 813	1 853
50,000 to 99,999 lb	1 537	305	57	1 676	315	135	1 584	365	286	756	197	S
100,000 lb or more	1 838	248	59	1 775	391	208	1 469	262	197	416	128	138
SCTG 35, Electronic and other electrical equipment and components and office equipment	90 728	4 931	1 062	112 433	6 692	3 002	84 761	4 960	3 710	71 975	2 735	2 877
Less than 50 lb	20 130	198	43	26 622	180	83	21 223	156	122	18 033	127	137
50 to 99 lb	5 887	111	23	8 205	105	47	5 612	72	56	5 048	56	60
100 to 499 lb	16 195	449	98	19 341	471	211	16 976	329	252	16 700	266	287
500 to 749 lb	4 182	184	41	4 935	180	80	4 685	134	103	3 074	89	93
750 to 999 lb	2 983	119	27	3 371	159	70	2 348	88	65	2 419	68	72
1,000 to 9,999 lb	24 046	1 481	326	29 144	1 753	782	16 775	1 261	939	16 340	719	755
10,000 to 49,999 lb	17 049	2 285	483	20 472	3 750	1 683	16 857	2 844	2 117	9 675	1 211	1 251
50,000 to 99,999 lb	68	22	5	292	60	25	116	28	20	S	S	S
100,000 lb or more	S	S	17	S	35	21	169	47	36	113	31	34

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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)	92 019	18 226	4 144	112 528	19 857	9 430	77 637	11 437	8 833	37 509	5 336	5 799
Less than 50 lb	4 513	181	39	4 001	146	64	2 671	102	79	1 787	71	74
50 to 99 lb	1 995	117	25	1 569	92	42	1 037	59	46	520	28	29
100 to 499 lb	7 968	537	111	7 390	410	179	2 994	186	142	1 900	126	134
500 to 749 lb	2 701	202	40	3 281	211	95	1 128	100	74	615	43	45
750 to 999 lb	2 164	195	39	1 552	130	56	626	67	49	382	30	32
1,000 to 9,999 lb	27 606	3 729	795	37 376	4 509	2 120	21 463	2 546	1 999	10 052	1 086	1 203
10,000 to 49,999 lb	35 893	9 509	2 106	43 009	10 072	4 648	34 716	5 857	4 392	14 032	2 258	2 430
50,000 to 99,999 lb	3 389	1 284	340	10 884	2 677	1 306	10 206	1 810	1 462	6 798	1 050	1 167
100,000 lb or more	S	S	S	3 465	1 609	921	2 795	709	591	1 422	S	S
SCTG 37, Transportation equipment, n.e.c.	9 555	978	221	9 506	1 147	585	10 346	890	724	10 711	317	342
Less than 50 lb	2 529	7	2	2 194	7	3	2 199	5	4	2 287	5	6
50 to 99 lb	376	2	1	481	5	2	1 239	5	4	587	2	3
100 to 499 lb	1 356	13	3	1 258	18	8	1 749	20	15	1 033	12	12
500 to 749 lb	255	5	1	210	8	4	372	8	6	544	6	6
750 to 999 lb	S	5	1	102	3	1	202	6	5	190	5	5
1,000 to 9,999 lb	2 881	196	41	2 496	181	83	1 782	121	92	1 379	85	87
10,000 to 49,999 lb	1 522	448	93	1 683	394	178	2 334	378	284	1 170	128	132
50,000 to 99,999 lb	132	58	14	400	220	145	S	S	S	S	S	S
100,000 lb or more	S	S	S	683	311	160	349	324	295	S	69	86
SCTG 38, Precision instruments and apparatus	14 427	333	67	20 323	429	187	18 466	457	349	15 912	225	235
Less than 50 lb	7 244	48	10	9 101	49	23	8 485	50	39	8 178	46	48
50 to 99 lb	1 027	17	4	1 772	19	9	1 528	15	12	2 046	17	18
100 to 499 lb	2 561	56	13	3 763	62	29	3 142	50	38	2 413	37	38
500 to 749 lb	498	17	3	749	18	8	685	12	9	238	8	8
750 to 999 lb	418	18	4	364	12	5	547	14	10	264	11	11
1,000 to 9,999 lb	2 068	97	20	3 484	133	60	2 544	81	62	2 301	64	67
10,000 to 49,999 lb	556	74	13	1 062	93	41	1 536	234	178	471	38	39
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	13 485	2 942	621	15 425	3 313	1 506	12 132	2 693	1 996	7 463	1 557	1 636
Less than 50 lb	361	26	6	467	30	14	404	26	20	343	27	29
50 to 99 lb	280	26	5	365	38	18	246	26	20	223	33	33
100 to 499 lb	1 706	226	47	2 127	266	120	1 503	199	148	1 329	145	155
500 to 749 lb	721	112	24	850	137	61	635	85	62	384	55	58
750 to 999 lb	459	81	17	629	111	49	600	85	63	319	55	58
1,000 to 9,999 lb	4 682	1 017	210	7 509	1 396	619	4 825	1 064	797	3 022	648	678
10,000 to 49,999 lb	5 205	1 414	300	3 390	1 281	597	3 840	1 178	864	1 824	583	614
50,000 to 99,999 lb	57	36	S	S	S	S	78	25	20	8	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	69 302	17 556	3 600	64 099	12 458	5 470	45 217	7 270	5 456	30 327	5 093	5 469
Less than 50 lb	12 059	243	51	14 516	261	118	13 492	287	216	10 552	252	262
50 to 99 lb	2 173	117	24	2 647	111	50	2 415	92	70	1 806	75	81
100 to 499 lb	6 230	487	102	8 587	580	256	5 651	390	292	3 804	261	272
500 to 749 lb	2 588	193	40	3 054	209	93	2 085	135	102	1 212	110	114
750 to 999 lb	1 231	169	35	1 961	171	77	1 208	116	87	630	67	70
1,000 to 9,999 lb	14 134	2 862	599	15 138	2 388	1 023	9 762	1 631	1 227	6 403	1 097	1 139
10,000 to 49,999 lb	28 754	10 675	2 175	15 900	6 873	2 983	9 738	4 002	2 977	5 527	2 780	3 026
50,000 to 99,999 lb	1 453	2 202	434	1 220	995	445	526	350	273	111	125	130
100,000 lb or more	681	608	139	1 076	871	425	339	266	210	S	326	375
SCTG 41, Waste and scrap	6 755	33 346	7 366	5 376	24 012	11 261	2 094	8 241	6 831	1 126	2 767	3 715
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	2	—	S	2	1	4	S	S	—	—	—
500 to 749 lb	S	S	S	S	1	—	2	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	153	69	14	54	33	16	S	26	18	S	S	S
10,000 to 49,999 lb	4 611	16 576	3 440	3 578	10 170	4 351	1 406	2 867	2 056	561	1 126	1 161
50,000 to 99,999 lb	448	4 110	862	159	1 198	501	44	237	199	98	196	215
100,000 lb or more	1 531	12 587	3 049	1 544	12 607	6 392	560	5 109	4 557	366	1 386	2 281
SCTG 43, Mixed freight	61 797	27 108	5 273	16 528	6 245	2 619	4 663	2 368	1 720	2 874	S	S
Less than 50 lb	967	66	14	546	35	15	250	15	11	216	10	10
50 to 99 lb	370	53	10	180	24	10	S	S	S	S	5	5
100 to 499 lb	1 878	465	90	644	150	60	242	26	19	109	17	18
500 to 749 lb	1 010	311	58	368	81	33	87	15	11	38	9	9
750 to 999 lb	1 095	314	59	243	71	30	S	24	18	62	12	12
1,000 to 9,999 lb	15 968	6 398	1 225	4 943	1 595	658	1 455	440	323	543	191	204
10,000 to 49,999 lb	38 455	18 191	3 544	9 129	2 858	1 177	2 220	923	673	1 706	331	334
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	285	286	48	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 United States: 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	6 433	6 592	1 431	5 369	S	S	3 085	1 329	1 069	1 778	586	630
Less than 50 lb	508	10	2	519	9	4	353	7	5	268	6	6
50 to 99 lb	140	5	1	181	5	2	S	3	2	87	3	3
100 to 499 lb	486	47	9	533	29	13	153	15	11	158	9	9
500 to 749 lb	S	16	3	144	14	6	48	8	6	28	3	3
750 to 999 lb	71	22	4	130	10	6	36	5	4	S	3	3
1,000 to 9,999 lb	1 382	445	90	896	312	137	453	104	77	462	72	75
10,000 to 49,999 lb	3 024	1 938	389	1 801	981	434	1 631	863	662	653	322	336
50,000 to 99,999 lb	221	775	143	S	S	S	S	S	20	S	S	S
100,000 lb or more	S	S	S	S	S	S	138	298	282	67	160	185

See footnotes at end of table.

Table 10. Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	469 777	302 918	487 859	293 654	77 130	169 651	283 628	43 499	122 651
Less than 50 lb	88 611	1 265	1 828	57 829	785	1 623	76 421	830	2 322
50 to 99 lb	20 430	526	774	12 537	339	701	21 957	337	923
100 to 499 lb	56 988	2 099	3 035	34 219	1 340	2 758	41 538	1 330	3 660
500 to 749 lb	13 351	835	1 205	11 160	693	1 447	11 193	545	1 478
750 to 999 lb	8 479	652	941	7 306	467	974	9 250	490	1 338
1,000 to 9,999 lb	89 220	13 190	19 078	57 576	7 443	15 598	58 112	7 061	19 144
10,000 to 49,999 lb	137 339	65 174	95 633	83 837	33 840	72 387	49 568	19 822	55 363
50,000 to 99,999 lb	11 404	8 579	12 694	8 426	3 292	7 228	3 468	1 916	5 416
100,000 lb or more	43 955	210 597	352 672	20 763	28 931	66 935	12 122	11 168	33 007
SCTG 01, Live animals and live fish	146	84	113	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	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	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	68	52	70	S	S	S	S	S	S
50,000 to 99,999 lb	14	11	14	S	S	S	S	S	S
100,000 lb or more	23	S	S	S	S	S	S	S	S
SCTG 02, Cereal grains	4 408	35 300	62 537	382	520	1 191	103	158	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	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	58	37	54	26	13	27	S	S	S
10,000 to 49,999 lb	413	443	671	279	188	415	91	87	243
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	3 931	34 798	61 781	S	S	S	S	S	S
SCTG 03, Other agricultural products	4 142	9 118	14 422	3 547	3 715	7 995	4 027	3 389	9 378
Less than 50 lb	131	19	26	109	9	20	84	5	15
50 to 99 lb	41	5	8	42	S	S	S	S	S
100 to 499 lb	165	23	33	160	13	30	162	22	S
500 to 749 lb	32	7	11	S	3	7	S	9	25
750 to 999 lb	30	10	15	14	3	7	37	6	17
1,000 to 9,999 lb	494	466	690	523	533	1 150	671	792	2 171
10,000 to 49,999 lb	1 821	2 787	4 128	1 974	2 493	5 278	2 770	2 198	6 050
50,000 to 99,999 lb	S	S	S	S	145	324	65	S	S
100,000 lb or more	1 362	5 654	9 303	434	511	1 172	87	213	629
SCTG 04, Animal feed and products of animal origin, n.e.c.	2 264	4 386	7 233	789	814	1 813	832	518	1 512
Less than 50 lb	9	1	1	S	1	2	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	15	1	2	S	S	S	S	S	S
500 to 749 lb	S	1	1	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	110	41	59	16	6	13	S	S	S
10,000 to 49,999 lb	1 376	1 793	2 812	441	364	773	373	358	1 029
50,000 to 99,999 lb	87	216	323	22	54	117	S	S	S
100,000 lb or more	658	2 331	4 033	S	382	894	S	109	331
SCTG 05, Meat, fish, seafood, and their preparations	18 281	7 029	10 234	5 441	1 863	3 781	2 553	724	1 979
Less than 50 lb	24	2	3	S	1	2	S	2	6
50 to 99 lb	6	1	1	10	1	2	S	S	S
100 to 499 lb	126	12	16	58	6	12	132	12	36
500 to 749 lb	79	S	S	35	4	9	59	5	16
750 to 999 lb	73	15	19	43	6	12	25	2	6
1,000 to 9,999 lb	2 519	628	909	1 004	223	447	954	156	427
10,000 to 49,999 lb	14 656	5 784	8 427	3 686	1 310	2 635	1 180	465	1 266
50,000 to 99,999 lb	306	209	301	193	73	159	62	42	122
100,000 lb or more	492	S	S	393	238	503	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	4 756	5 821	8 871	3 200	2 450	5 290	1 526	1 023	2 877
Less than 50 lb	S	S	S	41	3	5	14	1	3
50 to 99 lb	4	S	S	S	S	S	3	S	1
100 to 499 lb	24	6	9	11	3	5	25	6	17
500 to 749 lb	12	3	4	S	1	3	S	S	S
750 to 999 lb	19	5	8	14	6	12	12	4	10
1,000 to 9,999 lb	380	170	242	275	114	238	295	123	350
10,000 to 49,999 lb	3 463	2 822	4 113	2 618	1 581	3 323	1 100	748	2 083
50,000 to 99,999 lb	S	S	S	15	51	103	S	S	S
100,000 lb or more	764	2 741	4 374	221	692	1 600	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 United States: 1997—Con.

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 07, Other prepared foodstuffs and fats and oils	14 036	12 544	19 082	10 580	7 499	16 553	5 117	3 776	10 917
Less than 50 lb	146	9	14	90	6	13	65	5	14
50 to 99 lb	28	2	3	S	3	S	36	3	9
100 to 499 lb	275	37	51	116	19	39	194	20	55
500 to 749 lb	93	18	26	130	16	32	66	11	31
750 to 999 lb	S	19	27	72	9	19	66	11	29
1,000 to 9,999 lb	1 629	605	860	1 000	287	597	767	217	599
10,000 to 49,999 lb	9 236	6 256	9 114	7 717	4 481	9 677	2 903	2 162	6 112
50,000 to 99,999 lb	131	209	301	222	410	927	123	119	338
100,000 lb or more	2 359	5 388	8 686	1 201	2 267	5 242	898	1 230	3 730
SCTG 08, Alcoholic beverages	2 001	2 923	4 912	1 742	2 096	4 475	1 975	1 199	3 588
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	4	S	S	S	—	1
500 to 749 lb	S	S	S	S	—	—	S	S	S
750 to 999 lb	S	—	—	S	—	—	S	S	S
1,000 to 9,999 lb	54	18	27	98	41	91	S	S	S
10,000 to 49,999 lb	1 387	1 181	1 692	1 218	812	1 772	1 423	832	2 425
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	468	1 553	2 880	397	1 226	2 577	S	S	S
SCTG 09, Tobacco products	1 951	62	85	1 503	44	94	2 746	93	271
Less than 50 lb	165	3	4	54	1	2	79	1	4
50 to 99 lb	13	—	1	17	—	1	S	—	S
100 to 499 lb	101	3	5	81	3	6	40	1	4
500 to 749 lb	40	2	2	S	—	—	S	—	S
750 to 999 lb	S	S	S	S	—	—	S	—	S
1,000 to 9,999 lb	54	2	3	S	—	—	85	8	S
10,000 to 49,999 lb	1 559	50	69	1 185	35	73	2 469	73	210
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	99	110	160	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	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	38	5	8	S	1	3	S	S	S
10,000 to 49,999 lb	54	82	115	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	58	741	1 115	26	123	188	8	45	131
Less than 50 lb	—	—	—	—	—	—	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	—	—	—
1,000 to 9,999 lb	S	9	13	S	S	S	S	S	S
10,000 to 49,999 lb	12	79	113	15	S	134	6	12	33
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	630	958	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	641	5 601	8 590	202	1 348	2 841	170	670	1 926
Less than 50 lb	2	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	6	2	3	2	—	1	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	32	46	9	8	18	3	4	10
10,000 to 49,999 lb	177	1 029	1 430	95	389	834	112	238	634
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	374	4 429	6 947	85	839	1 769	50	372	1 133

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 14, Metallic ores and concentrates	622	4 158	6 960	488	S	S	670	S	S
Less than 50 lb	2	—	—	S	S	S	S	S	S
50 to 99 lb	1	—	—	S	S	S	S	S	S
100 to 499 lb	98	1	1	S	S	S	S	S	S
500 to 749 lb	S	—	—	S	S	S	S	—	1
750 to 999 lb	S	S	S	—	—	—	S	—	S
1,000 to 9,999 lb	S	4	S	S	2	5	S	9	24
10,000 to 49,999 lb	139	130	191	397	88	180	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	300	3 979	6 690	S	S	S	S	S	S
SCTG 15, Coal	734	70 574	113 538	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	730	70 537	113 485	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	2 801	18 237	32 948	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	219	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	2 205	15 643	S	S	S	S	S	S	S
SCTG 18, Fuel oils	670	4 345	5 619	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	4 159	5 352	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	2 658	10 690	20 279	487	1 219	2 758	148	168	448
Less than 50 lb	S	S	S	S	—	1	1	—	—
50 to 99 lb	S	S	S	S	S	1	S	—	—
100 to 499 lb	49	S	S	6	1	3	20	2	5
500 to 749 lb	6	1	1	S	—	1	S	S	S
750 to 999 lb	9	S	S	4	1	2	S	S	S
1,000 to 9,999 lb	128	S	S	39	21	42	24	9	25
10,000 to 49,999 lb	649	1 280	1 968	250	325	731	58	94	232
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	1 587	8 838	17 501	169	853	1 942	S	44	131
SCTG 20, Basic chemicals	18 891	26 478	42 094	3 978	4 452	10 055	2 734	1 275	3 615
Less than 50 lb	363	8	12	394	6	12	475	7	20
50 to 99 lb	111	6	8	114	4	8	126	3	7
100 to 499 lb	331	19	26	115	9	19	216	12	34
500 to 749 lb	49	6	9	49	10	22	58	S	S
750 to 999 lb	41	5	7	S	3	6	55	10	27
1,000 to 9,999 lb	903	233	352	501	83	171	516	78	212
10,000 to 49,999 lb	S	S	S	1 264	917	1 910	755	419	1 150
50,000 to 99,999 lb	201	924	1 538	79	127	287	S	S	S
100,000 lb or more	9 100	20 337	32 715	1 423	3 294	7 619	499	710	2 062
SCTG 21, Pharmaceutical products	14 996	609	882	9 172	258	548	9 843	515	1 403
Less than 50 lb	7 225	44	64	3 819	21	41	4 872	26	73
50 to 99 lb	1 435	15	22	418	4	8	811	8	22
100 to 499 lb	2 497	71	103	2 455	13	28	1 579	19	54
500 to 749 lb	716	30	44	151	6	12	265	5	13
750 to 999 lb	214	12	18	S	5	10	129	3	8
1,000 to 9,999 lb	1 008	102	138	1 307	37	76	818	62	168
10,000 to 49,999 lb	1 895	323	476	699	172	372	1 351	S	S
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 United States: 1997—Con.

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 22, Fertilizers	708	3 724	6 230	181	S	S	S	S	S
Less than 50 lb	S	S	—	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
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	5	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	70	247	352	S	S	S	16	56	154
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	613	3 329	5 653	126	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	13 332	5 310	7 923	9 034	3 325	7 101	7 348	1 719	4 712
Less than 50 lb	815	25	35	382	10	21	710	12	34
50 to 99 lb	309	19	26	129	7	14	386	10	26
100 to 499 lb	1 431	66	95	411	39	80	835	35	93
500 to 749 lb	240	29	42	S	23	49	244	17	47
750 to 999 lb	247	27	39	146	19	40	133	16	44
1,000 to 9,999 lb	2 365	484	685	1 203	255	524	2 645	309	746
10,000 to 49,999 lb	6 418	2 714	3 983	5 683	2 722	5 778	2 176	1 004	2 812
50,000 to 99,999 lb	70	47	69	11	11	25	42	21	57
100,000 lb or more	1 437	1 899	2 949	148	238	571	176	295	854
SCTG 24, Plastics and rubber	19 855	9 938	15 300	9 773	3 569	7 675	8 848	2 548	7 250
Less than 50 lb	1 408	43	63	926	34	70	943	32	87
50 to 99 lb	508	25	36	343	22	44	321	20	54
100 to 499 lb	1 676	160	229	874	81	167	1 031	77	210
500 to 749 lb	650	72	102	234	35	72	381	37	100
750 to 999 lb	369	54	78	259	32	67	239	34	89
1,000 to 9,999 lb	4 276	950	1 359	2 248	470	968	2 452	495	1 333
10,000 to 49,999 lb	6 923	3 615	5 288	3 890	1 647	3 462	2 981	1 321	3 634
50,000 to 99,999 lb	50	61	99	83	41	88	139	52	145
100,000 lb or more	3 994	4 957	8 046	917	1 207	2 736	361	480	1 599
SCTG 25, Logs and other wood in the rough	S	S	S	124	269	611	78	142	405
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	39	63	95	60	68	153	S	16	45
50,000 to 99,999 lb	4	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	50	167	387	S	S	S
SCTG 26, Wood products	5 156	8 025	13 160	4 645	5 647	13 378	3 018	3 285	9 876
Less than 50 lb	114	8	11	38	3	5	35	3	7
50 to 99 lb	37	S	S	15	2	3	17	2	6
100 to 499 lb	124	17	24	85	14	28	69	8	22
500 to 749 lb	58	13	19	46	9	18	41	3	10
750 to 999 lb	69	11	17	25	5	11	15	2	7
1,000 to 9,999 lb	591	175	255	344	103	216	175	44	120
10,000 to 49,999 lb	2 199	2 473	3 787	2 270	1 851	4 373	1 448	1 076	3 187
50,000 to 99,999 lb	317	673	1 094	430	554	1 229	213	281	793
100,000 lb or more	1 647	4 639	7 926	1 392	3 106	7 496	1 006	1 865	5 726
SCTG 27, Pulp, newsprint, paper, and paperboard	6 161	8 129	12 358	3 331	4 059	8 970	1 609	1 533	4 484
Less than 50 lb	S	3	5	31	2	4	28	2	4
50 to 99 lb	19	2	3	17	2	5	8	1	2
100 to 499 lb	87	16	22	61	7	15	71	11	28
500 to 749 lb	22	5	8	29	S	S	8	2	5
750 to 999 lb	20	12	19	14	S	S	12	2	6
1,000 to 9,999 lb	464	174	247	206	80	166	170	71	195
10,000 to 49,999 lb	3 313	3 911	5 542	2 115	2 402	5 122	952	847	2 381
50,000 to 99,999 lb	156	295	473	115	187	428	15	S	S
100,000 lb or more	1 987	3 710	6 040	742	1 365	3 202	345	572	1 788
SCTG 28, Paper or paperboard articles	3 247	1 585	2 313	2 154	952	2 065	1 641	783	2 466
Less than 50 lb	290	17	23	278	13	27	156	7	18
50 to 99 lb	53	9	12	59	6	13	29	2	6
100 to 499 lb	187	27	37	106	14	29	79	10	28
500 to 749 lb	61	14	20	25	7	16	30	5	15
750 to 999 lb	38	21	29	24	10	22	S	3	7
1,000 to 9,999 lb	538	248	373	339	114	233	540	S	S
10,000 to 49,999 lb	2 019	1 140	1 645	1 290	704	1 519	776	532	1 775
50,000 to 99,999 lb	36	52	83	S	S	S	S	S	S
100,000 lb or more	S	59	S	27	71	182	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 United States: 1997—Con.

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 29, Printed products	13 929	2 258	3 218	10 511	1 676	3 431	11 132	1 406	3 906
Less than 50 lb	4 927	188	274	3 027	116	237	3 411	112	327
50 to 99 lb	790	49	71	737	39	80	426	30	84
100 to 499 lb	2 380	173	255	1 772	170	347	2 249	160	455
500 to 749 lb	531	55	83	394	71	143	314	S	S
750 to 999 lb	241	31	46	442	74	154	S	S	S
1,000 to 9,999 lb	2 523	S	S	2 962	498	989	1 971	488	1 316
10,000 to 49,999 lb	2 509	766	1 081	1 135	557	1 171	947	355	991
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 30, Textiles, leather, and articles of textiles or leather	27 309	2 328	3 324	23 974	1 982	4 151	26 797	1 744	4 762
Less than 50 lb	7 500	202	287	5 084	124	258	6 875	155	430
50 to 99 lb	1 790	82	121	1 282	55	114	1 489	52	144
100 to 499 lb	3 222	165	235	2 202	120	246	3 932	178	487
500 to 749 lb	938	58	83	812	54	110	1 167	67	181
750 to 999 lb	654	49	68	857	46	94	1 045	53	142
1,000 to 9,999 lb	7 297	680	971	6 937	521	1 090	8 298	525	1 411
10,000 to 49,999 lb	5 772	1 027	1 465	6 607	922	1 960	3 789	568	1 527
50,000 to 99,999 lb	59	28	38	19	9	19	54	25	68
100,000 lb or more	S	S	S	S	S	S	S	120	372
SCTG 31, Nonmetallic mineral products	3 753	6 267	9 307	2 549	2 636	5 700	2 165	1 727	4 684
Less than 50 lb	349	28	40	343	12	25	382	20	56
50 to 99 lb	91	8	11	66	5	11	97	6	17
100 to 499 lb	322	31	44	202	26	52	242	23	62
500 to 749 lb	65	9	12	S	5	11	62	7	20
750 to 999 lb	28	4	6	24	4	8	18	3	8
1,000 to 9,999 lb	654	278	386	416	164	338	446	140	401
10,000 to 49,999 lb	2 020	3 408	5 005	1 249	782	2 658	2 412	900	2 412
50,000 to 99,999 lb	39	311	433	27	90	187	47	164	418
100,000 lb or more	184	2 191	3 370	149	1 080	2 410	88	462	1 290
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	11 276	8 075	12 504	7 347	4 753	10 872	6 469	2 959	8 061
Less than 50 lb	318	8	12	340	S	S	352	S	S
50 to 99 lb	202	7	11	104	5	11	140	4	11
100 to 499 lb	490	43	62	323	23	46	546	27	72
500 to 749 lb	263	25	36	228	20	41	111	11	29
750 to 999 lb	175	22	32	S	13	28	147	S	S
1,000 to 9,999 lb	2 311	626	881	922	255	534	1 243	261	707
10,000 to 49,999 lb	4 720	3 219	4 644	2 751	1 701	3 653	2 042	1 186	3 247
50,000 to 99,999 lb	193	273	456	290	238	511	122	172	442
100,000 lb or more	2 603	3 851	6 369	2 206	2 488	6 029	1 767	1 251	3 416
SCTG 33, Articles of base metal	13 590	5 678	8 384	8 156	2 194	4 997	6 332	1 920	5 222
Less than 50 lb	1 664	48	68	1 660	52	112	1 386	37	100
50 to 99 lb	547	26	37	297	15	31	554	18	46
100 to 499 lb	1 677	148	213	1 732	100	206	861	59	161
500 to 749 lb	595	59	86	372	32	67	219	25	74
750 to 999 lb	305	50	69	339	40	84	138	15	41
1,000 to 9,999 lb	3 597	871	1 265	1 833	464	960	1 702	415	1 116
10,000 to 49,999 lb	4 065	2 686	3 945	1 499	864	1 794	1 184	748	2 038
50,000 to 99,999 lb	253	292	429	39	91	187	137	206	529
100,000 lb or more	886	1 499	2 273	387	536	1 556	153	396	1 118
SCTG 34, Machinery	33 493	3 573	5 134	19 221	2 014	4 355	14 769	1 189	3 210
Less than 50 lb	3 442	44	64	2 315	30	63	2 503	31	86
50 to 99 lb	1 034	25	37	478	12	25	768	15	39
100 to 499 lb	3 481	159	230	2 674	98	203	1 889	81	224
500 to 749 lb	1 893	132	186	S	S	S	628	26	68
750 to 999 lb	1 103	63	91	615	36	74	393	23	58
1,000 to 9,999 lb	8 829	763	1 090	4 592	412	861	4 122	249	676
10,000 to 49,999 lb	11 358	1 857	2 666	6 318	976	2 108	3 086	435	1 190
50,000 to 99,999 lb	1 521	196	282	339	79	177	S	66	169
100,000 lb or more	831	S	S	280	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	106 010	3 609	5 327	63 894	2 524	5 291	85 475	1 947	5 361
Less than 50 lb	28 191	164	241	19 365	100	207	30 842	116	317
50 to 99 lb	8 504	77	116	4 661	52	106	8 474	61	165
100 to 499 lb	25 360	364	537	12 633	212	434	15 866	202	549
500 to 749 lb	4 208	99	145	3 231	65	135	4 945	81	218
750 to 999 lb	2 638	83	125	2 339	56	118	2 942	53	146
1,000 to 9,999 lb	24 045	1 006	1 460	11 750	673	1 407	19 096	999	2 755
10,000 to 49,999 lb	12 457	1 670	2 471	9 494	1 278	2 693	3 128	400	1 115
50,000 to 99,999 lb	445	S	S	313	71	154	S	S	S
100,000 lb or more	S	S	S	109	17	38	86	17	45

See footnotes at end of table.

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

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

SCTG code, description, shipment size, and distance shipped	1,000 to 1,499 miles ¹			1,500 to 1,999 miles ¹			2,000 miles or more ¹		
	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
SCTG 36, Motorized and other vehicles (including parts)	38 723	4 939	7 601	23 913	2 651	5 895	10 105	1 070	2 869
Less than 50 lb	1 452	48	71	879	30	62	953	28	76
50 to 99 lb	398	19	28	275	11	23	241	14	38
100 to 499 lb	1 507	90	131	834	47	99	874	46	126
500 to 749 lb	423	31	45	434	28	55	175	11	30
750 to 999 lb	233	18	26	380	22	47	S	17	44
1,000 to 9,999 lb	10 522	1 287	1 938	7 033	697	1 589	2 431	264	718
10,000 to 49,999 lb	17 254	2 683	4 176	9 619	1 334	2 932	3 565	592	1 562
50,000 to 99,999 lb	6 199	656	1 001	4 216	445	1 009	199	29	78
100,000 lb or more	736	106	184	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	14 527	443	727	18 388	S	S	17 994	156	521
Less than 50 lb	2 720	8	12	1 709	3	5	2 833	5	13
50 to 99 lb	520	3	5	671	2	3	S	2	7
100 to 499 lb	2 238	16	24	884	6	12	2 396	16	46
500 to 749 lb	589	5	7	303	3	6	138	1	3
750 to 999 lb	S	3	5	88	2	3	66	S	S
1,000 to 9,999 lb	2 402	92	151	S	52	112	880	29	80
10,000 to 49,999 lb	2 603	114	190	S	S	S	S	56	158
50,000 to 99,999 lb	152	70	111	S	S	S	S	S	S
100,000 lb or more	S	132	223	8 376	31	77	S	S	S
SCTG 38, Precision instruments and apparatus	19 884	283	408	11 740	151	308	16 057	215	577
Less than 50 lb	11 857	59	85	6 119	28	57	8 222	30	84
50 to 99 lb	1 426	12	17	1 052	9	18	1 335	9	26
100 to 499 lb	3 346	41	60	1 874	26	53	3 072	38	107
500 to 749 lb	379	10	14	509	9	19	712	8	22
750 to 999 lb	319	7	10	328	5	11	349	6	15
1,000 to 9,999 lb	1 649	52	73	1 528	52	105	2 135	98	257
10,000 to 49,999 lb	904	103	149	S	23	47	231	25	66
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	6 032	1 229	1 755	4 329	887	1 930	3 615	665	1 879
Less than 50 lb	442	44	59	257	14	30	245	14	41
50 to 99 lb	276	23	32	198	13	28	210	15	38
100 to 499 lb	911	97	139	639	72	149	619	60	166
500 to 749 lb	347	50	70	272	28	59	200	26	71
750 to 999 lb	177	29	41	205	23	49	101	15	40
1,000 to 9,999 lb	2 215	404	575	1 464	244	513	1 318	223	623
10,000 to 49,999 lb	1 582	531	766	1 222	351	774	904	279	811
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 40, Miscellaneous manufactured products ...	34 342	4 116	6 072	25 610	3 403	7 203	24 435	1 824	4 971
Less than 50 lb	14 356	220	324	9 865	136	279	10 434	155	433
50 to 99 lb	2 068	82	119	1 424	57	117	1 687	51	142
100 to 499 lb	4 441	259	371	3 617	189	389	4 096	175	482
500 to 749 lb	974	81	118	1 162	76	155	1 043	86	227
750 to 999 lb	736	74	105	431	39	80	722	39	105
1,000 to 9,999 lb	6 467	1 218	1 774	5 105	928	1 930	3 682	693	1 859
10,000 to 49,999 lb	5 023	1 680	2 401	3 893	927	1 959	2 700	509	1 404
50,000 to 99,999 lb	186	S	S	22	27	57	S	S	S
100,000 lb or more	91	285	522	91	S	S	S	S	S
SCTG 41, Waste and scrap .	723	1 434	2 246	359	509	1 106	377	1 121	3 183
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
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	3	4	2	S	S	S	S	S
10,000 to 49,999 lb	419	703	1 060	226	233	516	125	181	517
50,000 to 99,999 lb	52	184	296	41	58	126	S	70	202
100,000 lb or more	237	543	884	89	214	455	146	855	2 425
SCTG 43, Mixed freight	1 460	646	946	825	S	S	1 110	259	709
Less than 50 lb	168	10	S	195	12	25	105	6	16
50 to 99 lb	38	4	6	35	5	11	14	2	5
100 to 499 lb	141	16	22	73	10	21	38	S	17
500 to 749 lb	25	3	5	S	1	3	9	S	S
750 to 999 lb	S	S	S	13	2	4	9	2	5
1,000 to 9,999 lb	531	248	338	113	32	65	120	37	106
10,000 to 49,999 lb	321	151	208	381	153	327	S	202	550
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table 10. **Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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)
Commodity unknown	1 933	779	1 190	1 433	224	493	1 500	303	852
Less than 50 lb	333	6	8	447	5	10	301	3	10
50 to 99 lb	84	1	2	48	3	5	70	2	7
100 to 499 lb	250	18	25	132	6	13	234	5	15
500 to 749 lb	46	3	5	S	2	3	S	3	8
750 to 999 lb	65	4	6	S	2	4	27	2	5
1,000 to 9,999 lb	438	47	66	263	37	76	130	24	65
10,000 to 49,999 lb	408	271	419	381	98	206	638	212	597
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	309	S	658	S	S	S	S	S	S

— Represents data cell equal to zero or less than 1 unit of measure.

D Denotes figures withheld to avoid disclosing data for individual companies.

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

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

¹Based 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) Mining (except mining services and oil and gas extraction) All wholesale Video tape distributors Catalog mail-order houses Auxiliaries (e.g., warehouses)	Manufacturers (minor exceptions) Mining (except mining services) All wholesale Catalog mail-order houses 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 reported key characteristics for each sampled shipment.	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.
5. Reported mode of transportation	Rail For-hire truck Private truck Air Inland water and/or Great Lakes Deep sea water Pipeline Parcel, U.S. Postal Service, or courier Other Unknown	Rail For-hire truck Private truck Air Shallow draft vessel Deep draft vessel Pipeline Parcel, U.S. Postal Service, or courier Other Unknown

Item	1993	1997
6. Data items requested on questionnaire	<p>For each shipment:</p> <p>Total value</p> <p>Total weight</p> <p>Major commodity (STCC)</p> <p>All modes of transportation</p> <p>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).</p> <p>Destination</p> <p>Containerized (Y/N)</p> <p>Hazardous material (Y/N)</p> <p>Export (Y/N)</p> <p>If export, mode of export, foreign country, and city of destination.</p>	<p>For each shipment:</p> <p>Total value</p> <p>Total weight</p> <p>Major commodity (SCTG)</p> <p>All modes of transportation</p> <p>Single origin (assumed to be the mailing address unless the respondent provided a different physical location address).</p> <p>Destination</p> <p>Containerized (Y/N)</p> <p>Hazardous material (UN/NA codes)</p> <p>Export (Y/N)</p> <p>If export, mode of export, foreign country, and city of destination.</p>

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 United States: 1997

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

Mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.0	—	1.8	—	2.6	—	2.8
Single modes	1.1	.3	1.8	.4	2.6	.7	2.9
Truck	1.1	.4	2.1	.8	1.1	.9	3.5
For-hire truck	1.5	.5	3.4	.9	1.1	.7	2.9
Private truck	1.3	.3	3.0	.9	2.8	.4	3.5
Rail	4.7	.2	4.5	.6	5.9	1.5	3.7
Water	5.6	—	5.8	.2	6.6	.7	30.4
Shallow draft	5.8	—	6.3	.2	6.1	.5	28.7
Great Lakes	25.0	—	19.3	—	19.3	.1	22.1
Deep draft	14.4	—	22.6	.2	20.9	.5	22.0
Air (includes truck and air)	9.5	.3	6.5	—	8.8	—	1.6
Pipeline	7.2	.1	9.6	.5	S	S	S
Multiple modes	2.1	.2	7.9	.1	9.8	.7	2.7
Parcel, U.S. Postal Service or courier	2.1	.2	2.0	—	2.3	—	2.7
Truck and rail	7.7	—	21.1	.1	18.8	.4	3.2
Truck and water	9.4	—	12.7	—	28.0	.3	13.1
Rail and water	16.7	—	15.6	.1	17.2	.5	7.1
Other multiple modes	20.5	—	19.0	—	32.4	.2	S
Other and unknown modes	4.4	.2	9.5	.4	7.5	.2	10.7

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

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

Table B-1b. Measures of Reliability for Shipment Characteristics by Mode of Transportation for the United States: 1997 and 1993

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

Mode of transportation	Value			Tons			Ton-miles			Average miles per shipment		
	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation of number		Standard error of percent change	Coefficient of variation		Standard error of percent change
	1997	1993		1997	1993		1997	1993		1997	1993	
All modes	1.0	.8	1.5	1.8	1.6	2.7	2.6	2.7	4.1	2.8	3.0	4.6
Single modes	1.1	.9	1.7	1.8	1.6	2.8	2.6	2.7	4.2	2.9	4.6	5.1
Truck	1.1	1.1	1.7	2.1	1.9	3.4	1.1	1.9	2.6	3.5	1.5	3.8
For-hire truck	1.5	1.1	2.1	3.4	3.4	5.9	1.1	2.0	2.7	2.9	2.1	3.7
Private truck	1.3	2.0	2.8	3.0	1.8	4.0	2.8	2.8	4.6	3.5	1.6	4.0
Rail	4.7	3.3	7.4	4.5	3.8	5.9	5.9	4.5	8.1	3.7	1.9	4.2
Water	5.6	6.9	10.9	5.8	8.0	11.0	6.6	9.5	11.1	30.4	S	S
Shallow draft	5.8	6.6	11.6	6.3	7.8	11.5	6.1	10.4	13.9	28.7	S	S
Great Lakes	25.0	S	S	19.3	19.3	31.7	19.3	20.4	30.4	22.1	12.7	9.7
Deep draft	14.4	17.2	23.1	22.6	26.0	34.5	20.9	18.8	17.5	22.0	8.3	12.9
Air (includes truck and air)	9.5	5.2	17.8	6.5	12.7	20.3	8.8	8.1	18.6	1.6	2.7	3.0
Pipeline	7.2	9.7	15.3	9.6	10.7	18.3	S	S	S	S	S	S
Multiple modes	2.1	2.5	4.6	7.9	6.6	9.9	9.8	10.7	15.5	2.7	2.9	4.4
Parcel, U.S. Postal Service or courier	2.1	1.6	4.1	2.0	2.4	3.9	2.3	3.8	6.0	2.7	3.0	4.5
Truck and rail	7.7	15.6	15.8	21.1	9.4	30.8	18.8	9.1	30.7	3.2	6.0	6.5
Truck and water	9.4	13.5	14.4	12.7	17.6	10.6	28.0	17.4	28.2	13.1	6.8	13.2
Rail and water	16.7	26.6	15.3	15.6	16.4	22.6	17.2	19.0	28.3	7.1	21.4	39.2
Other multiple modes	20.5	36.5	55.6	19.0	28.1	46.9	32.4	S	S	S	35.8	S
Other and unknown modes	4.4	5.2	7.8	9.5	7.7	9.9	7.5	11.6	10.9	10.7	12.6	8.7

— 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-1c. Standard Error of Percentage for Shipment Characteristics by Mode of Transportation for the United States: 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 .....	.3	.4	.4	.4	.7	.6
Truck .....	.4	.4	.8	1.0	.9	1.1
For-hire truck .....	.5	.3	.9	.8	.7	.8
Private truck .....	.3	.5	.9	.7	.4	.3
Rail .....	.2	.2	.6	.5	1.5	.8
Water	—	—	.2	.4	.7	.9
Shallow draft	—	—	.2	.3	.5	.7
Great Lakes	—	S	—	—	.1	.1
Deep draft	—	—	.2	.3	.5	.7
Air (includes truck and air) .....	.3	.1	—	—	—	—
Pipeline .....	.1	.2	.5	.5	S	S
Multiple modes .....	.2	.3	.1	.2	.7	.7
Parcel, U.S. Postal Service or courier .....	.2	.2	—	—	—	—
Truck and rail	—	.2	.1	—	.4	.1
Truck and water	—	—	—	.1	.3	.3
Rail and water	—	—	.1	.1	.5	.5
Other multiple modes	—	—	—	—	.2	S
Other and unknown modes .....	.2	.2	.4	.4	.2	.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-2. Measures of Reliability for Shipment Characteristics by Total Modal Activity for the United States: 1997

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

Mode of transportation	Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	
Total	2.6	—	2.8
Truck	1.1	.9	3.4
Rail	5.5	1.5	2.7
Shallow draft	6.0	.5	13.7
Great Lakes	13.6	.2	12.2
Deep draft	18.0	.6	13.0
Air	9.0	—	1.6
Parcel, U.S. Postal Service or courier	2.3	—	2.7
Pipeline	S	S	S
Other and unknown modes	7.7	.2	10.7

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

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

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the United States: 1997

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

Mode of transportation and distance shipped (based on Great Circle Distance)	Value		Tons		Ton-miles	
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage
All modes	1.0	—	1.8	—	2.6	—
Less than 50 miles	1.3	.4	2.7	.8	2.7	.2
50 to 99 miles	2.7	.2	3.3	.3	3.4	.1
100 to 249 miles	2.1	.2	2.1	.2	2.7	.3
250 to 499 miles	1.7	.2	3.9	.4	4.1	.6
500 to 749 miles	1.6	.1	4.1	.2	4.2	.6
750 to 999 miles	1.8	—	5.2	.2	5.2	.6
1,000 to 1,499 miles	2.7	.2	7.6	.2	7.9	1.1
1,500 to 1,999 miles	2.5	—	5.0	—	5.1	.4
2,000 miles or more	3.1	.1	1.7	—	1.8	.1
Single modes	1.1	—	1.8	—	2.6	—
Less than 50 miles	1.4	.4	2.9	.9	2.9	.2
50 to 99 miles	3.0	.3	3.3	.3	3.4	.1
100 to 249 miles	2.4	.3	2.2	.2	2.8	.4
250 to 499 miles	2.1	.2	3.9	.4	3.5	.6
500 to 749 miles	1.7	.1	4.4	.2	4.6	.7
750 to 999 miles	2.2	.1	5.9	.2	5.9	.6
1,000 to 1,499 miles	3.8	.2	8.0	.2	8.2	1.1
1,500 to 1,999 miles	3.3	.1	5.5	—	5.8	.4
2,000 miles or more	4.4	.1	2.5	—	2.6	.2
Truck	1.1	—	2.1	—	1.1	—
Less than 50 miles	1.0	.4	2.9	.8	3.3	.4
50 to 99 miles	3.1	.3	3.7	.4	3.4	.2
100 to 249 miles	2.4	.3	1.8	.2	1.9	.2
250 to 499 miles	2.3	.2	3.3	.2	2.9	.5
500 to 749 miles	1.3	.1	1.8	—	1.8	.2
750 to 999 miles	2.1	.1	4.0	—	4.0	.4
1,000 to 1,499 miles	2.6	.1	4.8	—	4.8	.5
1,500 to 1,999 miles	4.1	.1	3.8	—	3.9	.3
2,000 miles or more	5.2	.1	2.7	—	2.7	.2
For-hire truck	1.5	—	3.4	—	1.1	—
Less than 50 miles	2.4	.4	6.1	1.5	5.9	.3
50 to 99 miles	3.0	.2	6.8	.8	6.2	.3
100 to 249 miles	3.4	.4	2.3	.4	2.3	.2
250 to 499 miles	2.5	.3	1.9	.4	2.0	.4
500 to 749 miles	1.7	.2	1.5	.2	1.5	.3
750 to 999 miles	2.1	.2	2.6	.1	2.7	.3
1,000 to 1,499 miles	2.8	.2	5.2	.1	5.2	.6
1,500 to 1,999 miles	4.4	.2	3.5	—	3.4	.3
2,000 miles or more	6.3	.2	3.2	—	3.3	.2
Private truck	1.3	—	3.0	—	2.8	—
Less than 50 miles	1.1	.6	3.5	.7	3.7	.8
50 to 99 miles	4.1	.4	3.2	.3	3.1	.3
100 to 249 miles	4.9	.6	2.8	.2	2.9	.5
250 to 499 miles	4.2	.3	10.9	.3	9.2	1.1
500 to 749 miles	3.7	.1	6.7	—	7.2	.5
750 to 999 miles	6.4	—	15.8	—	15.1	.8
1,000 to 1,499 miles	5.9	—	16.3	—	15.6	.7
1,500 to 1,999 miles	6.7	—	14.4	—	15.3	.4
2,000 miles or more	9.6	—	16.7	—	16.2	.4
Rail	4.7	—	4.5	—	5.9	—
Less than 50 miles	9.6	.7	7.7	1.2	6.4	—
50 to 99 miles	9.8	.3	7.5	.4	8.5	—
100 to 249 miles	10.5	1.3	5.6	.9	5.9	.5
250 to 499 miles	10.0	1.1	7.5	1.3	6.6	1.3
500 to 749 miles	6.3	.9	7.1	.8	7.7	1.2
750 to 999 miles	7.0	.7	12.9	1.0	12.8	1.3
1,000 to 1,499 miles	13.9	1.1	10.7	.9	10.7	1.7
1,500 to 1,999 miles	5.6	.4	9.2	.2	9.5	.6
2,000 miles or more	7.6	.3	6.6	—	6.7	.2
Water	5.6	—	5.8	—	6.6	—
Less than 50 miles	11.2	2.7	12.0	2.7	14.7	.2
50 to 99 miles	16.6	1.1	12.4	1.4	22.5	.5
100 to 249 miles	11.6	1.7	11.2	2.0	12.2	1.5
250 to 499 miles	11.8	1.1	11.0	1.1	10.7	1.1
500 to 749 miles	11.9	1.6	16.4	1.7	15.1	3.3
750 to 999 miles	13.9	1.3	16.2	1.4	14.7	3.1
1,000 to 1,499 miles	26.7	1.1	24.4	.7	23.2	2.4
1,500 to 1,999 miles	S	S	S	S	48.8	1.2
2,000 miles or more	24.5	.1	41.8	—	47.1	.3
Shallow draft	5.8	—	6.3	—	6.1	—
Less than 50 miles	14.8	3.4	15.2	3.1	18.3	.2
50 to 99 miles	19.0	1.4	13.0	1.9	25.0	1.0
100 to 249 miles	11.9	2.1	11.8	2.2	12.9	1.6
250 to 499 miles	13.5	1.5	15.2	1.5	14.1	1.3
500 to 749 miles	15.3	2.3	14.8	2.3	14.8	4.6
750 to 999 miles	15.3	1.8	15.5	1.6	15.5	3.5
1,000 to 1,499 miles	37.9	.7	37.4	.6	37.4	2.1
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 United States: 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	25.0	—	19.3	—	19.3	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	16.8	3.0	38.4	1.8	34.4	.6
100 to 249 miles	31.1	4.8	26.8	4.3	26.3	4.6
250 to 499 miles	40.5	4.9	26.2	5.5	25.5	6.6
500 to 749 miles	S	S	47.0	6.0	45.9	7.9
750 to 999 miles	—	—	—	—	—	—
1,000 to 1,499 miles	—	—	—	—	—	—
1,500 to 1,999 miles	—	—	—	—	—	—
2,000 miles or more	—	—	—	—	—	—
Deep draft	14.4	—	22.6	—	20.9	—
Less than 50 miles	19.5	3.6	28.3	6.0	43.6	.6
50 to 99 miles	39.3	1.6	S	S	S	S
100 to 249 miles	37.3	.8	43.8	1.8	S	S
250 to 499 miles	45.1	2.3	45.6	2.2	44.5	2.0
500 to 749 miles	37.9	3.5	40.1	4.7	37.3	5.3
750 to 999 miles	31.4	2.5	40.4	4.0	38.8	7.7
1,000 to 1,499 miles	33.8	2.3	34.4	4.3	32.8	7.6
1,500 to 1,999 miles	S	S	S	S	48.8	6.2
2,000 miles or more	24.5	.5	41.8	.3	47.1	2.9
Air (includes truck and air)	9.5	—	6.5	—	8.8	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	38.8	1.5	14.3	.6	14.1	.1
100 to 249 miles	15.9	1.5	16.9	2.2	13.6	.6
250 to 499 miles	8.8	.6	11.6	1.3	10.4	.7
500 to 749 miles	10.4	.8	12.9	1.3	13.0	1.4
750 to 999 miles	16.3	.9	12.5	.9	12.3	.8
1,000 to 1,499 miles	13.7	1.8	19.5	2.2	18.7	2.5
1,500 to 1,999 miles	14.9	1.2	11.5	1.0	11.1	1.3
2,000 miles or more	10.5	2.0	18.9	2.8	18.2	3.5
Pipeline	7.2	—	9.6	—	S	S
Less than 50 miles	9.8	3.6	11.0	3.8	S	S
50 to 99 miles	19.5	1.7	20.0	1.4	S	S
100 to 249 miles	17.4	2.2	20.4	1.9	S	S
250 to 499 miles	29.8	1.9	28.7	2.2	S	S
500 to 749 miles	35.6	.6	34.7	.7	S	S
750 to 999 miles	45.5	.3	45.8	.8	S	S
1,000 to 1,499 miles	45.1	.6	40.3	.6	S	S
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	—	—	—	—	S	S
Multiple modes	2.1	—	7.9	—	9.8	—
Less than 50 miles	3.3	.5	16.0	1.2	17.2	.1
50 to 99 miles	2.6	.1	35.8	1.5	44.3	.3
100 to 249 miles	3.3	.3	9.8	2.0	12.6	1.0
250 to 499 miles	2.7	.2	14.5	1.9	22.4	2.3
500 to 749 miles	3.4	.3	11.1	1.2	12.5	1.2
750 to 999 miles	3.5	.3	20.3	2.4	20.3	3.2
1,000 to 1,499 miles	5.4	.5	20.9	1.8	26.8	3.8
1,500 to 1,999 miles	3.4	.3	4.9	.4	5.5	1.3
2,000 miles or more	3.6	.3	6.4	.4	6.5	1.5
Parcel, U.S. Postal Service or courier	2.1	—	2.0	—	2.3	—
Less than 50 miles	3.3	.5	5.0	.7	4.5	—
50 to 99 miles	2.7	.1	4.8	.3	5.1	—
100 to 249 miles	3.1	.2	2.7	.3	2.7	.1
250 to 499 miles	2.5	.2	2.9	.3	2.8	.3
500 to 749 miles	3.5	.3	3.0	.4	3.0	.4
750 to 999 miles	3.6	.3	4.7	.4	4.6	.5
1,000 to 1,499 miles	5.8	.5	4.7	.4	4.6	.6
1,500 to 1,999 miles	3.4	.3	7.2	.4	7.1	1.0
2,000 miles or more	3.7	.3	5.3	.4	5.1	1.1
Truck and rail	7.7	—	21.1	—	18.8	—
Less than 50 miles	17.7	.4	39.5	3.4	30.8	.2
50 to 99 miles	23.9	.3	S	S	S	S
100 to 249 miles	18.0	.4	23.6	1.7	25.0	.6
250 to 499 miles	11.1	1.5	16.2	1.4	19.5	.7
500 to 749 miles	15.6	1.6	15.9	1.6	17.4	1.0
750 to 999 miles	9.3	.8	7.2	1.1	7.0	.8
1,000 to 1,499 miles	14.0	1.2	41.4	1.4	47.8	3.2
1,500 to 1,999 miles	13.5	2.0	6.6	1.7	6.5	2.1
2,000 miles or more	9.0	1.0	10.4	1.0	10.3	1.8
Truck and water	9.4	—	12.7	—	28.0	—
Less than 50 miles	S	S	S	S	S	S
50 to 99 miles	19.4	1.1	45.4	2.7	41.5	.5
100 to 249 miles	17.5	3.0	24.8	5.3	23.2	2.9
250 to 499 miles	29.8	3.1	27.4	4.9	27.0	4.5
500 to 749 miles	28.1	2.0	32.4	3.5	31.5	3.3
750 to 999 miles	28.9	1.9	36.2	2.7	35.6	4.0
1,000 to 1,499 miles	35.3	3.8	S	S	S	S
1,500 to 1,999 miles	38.2	3.4	23.7	.3	48.4	1.9
2,000 miles or more	12.3	2.8	13.6	1.8	14.6	5.2

See footnotes at end of table.

Table B-3. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Distance Shipped for the United States: 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	16.7	—	15.6	—	17.2	—
Less than 50 miles	47.6	1.3	42.4	.5	44.2	—
50 to 99 miles	47.8	.7	47.8	1.1	43.5	.2
100 to 249 miles	24.1	5.0	21.4	5.0	24.4	4.2
250 to 499 miles	27.1	5.7	25.0	5.1	25.6	4.4
500 to 749 miles	24.0	5.6	22.8	5.1	22.3	5.5
750 to 999 miles	26.7	4.3	27.6	5.7	27.7	7.0
1,000 to 1,499 miles	27.6	2.0	37.4	3.4	37.2	5.1
1,500 to 1,999 miles	S	S	S	S	S	S
2,000 miles or more	S	S	S	S	S	S
Other multiple modes	20.5	—	19.0	—	32.4	—
Less than 50 miles	29.9	7.0	24.0	7.2	36.4	5.0
50 to 99 miles	20.6	1.3	40.4	1.2	S	S
100 to 249 miles	S	S	22.7	6.1	24.9	8.3
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	46.5	3.4	34.2	.4	33.7	3.3
Other and unknown modes	4.4	—	9.5	—	7.5	—
Less than 50 miles	4.5	1.3	11.8	2.9	17.0	1.2
50 to 99 miles	4.7	.3	21.4	.5	23.6	.3
100 to 249 miles	9.4	.5	14.7	1.0	11.9	1.0
250 to 499 miles	8.1	.5	12.7	.9	11.9	1.5
500 to 749 miles	7.5	.3	12.5	.4	12.4	1.3
750 to 999 miles	6.4	.2	17.1	.2	17.9	1.2
1,000 to 1,499 miles	11.8	.5	14.1	.7	15.1	2.6
1,500 to 1,999 miles	12.6	.4	15.1	.2	15.0	1.0
2,000 miles or more	11.8	.4	15.0	.3	14.7	2.3

— 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-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the United States: 1997

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

Mode of transportation and shipment size	Value		Tons		Ton-miles		Average miles per shipment— coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
All modes	1.0	—	1.8	—	2.6	—	2.8
Less than 50 lb	2.2	.2	2.4	—	2.5	—	3.2
50 to 99 lb	1.7	—	1.9	—	2.9	—	2.7
100 to 499 lb	2.1	.2	1.5	—	1.8	—	2.2
500 to 749 lb	1.9	—	1.4	—	4.5	—	3.7
750 to 999 lb	2.7	—	1.4	—	4.3	—	4.1
1,000 to 9,999 lb	2.2	.4	1.6	.1	2.7	.1	2.3
10,000 to 49,999 lb	1.4	.4	2.0	.8	1.3	.7	1.8
50,000 to 99,999 lb	4.4	.2	3.2	.5	3.2	.2	3.1
100,000 lb or more	3.2	.2	3.5	.8	4.0	.9	6.3
Single modes	1.1	—	1.8	—	2.6	—	2.9
Less than 50 lb	4.1	.2	4.7	—	4.5	—	5.4
50 to 99 lb	3.1	—	2.8	—	3.2	—	3.1
100 to 499 lb	2.4	.2	1.7	—	2.0	—	2.6
500 to 749 lb	1.8	—	1.5	—	4.6	—	3.8
750 to 999 lb	3.3	—	1.6	—	4.8	—	4.5
1,000 to 9,999 lb	2.4	.4	1.5	.1	1.7	.1	2.2
10,000 to 49,999 lb	1.4	.4	2.1	.8	1.5	.7	1.8
50,000 to 99,999 lb	4.6	.3	3.3	.6	2.7	.2	2.6
100,000 lb or more	3.3	.2	3.5	.8	4.2	1.0	6.5
Truck	1.1	—	2.1	—	1.1	—	3.5
Less than 50 lb	2.1	—	4.8	—	5.3	—	8.4
50 to 99 lb	3.5	—	2.8	—	3.1	—	2.8
100 to 499 lb	2.5	.2	1.8	—	2.1	—	2.6
500 to 749 lb	1.7	—	1.5	—	5.0	—	4.0
750 to 999 lb	3.4	—	1.6	—	4.9	—	4.5
1,000 to 9,999 lb	2.4	.5	1.5	.2	1.8	.2	2.3
10,000 to 49,999 lb	1.4	.5	2.1	.9	1.6	.5	1.8
50,000 to 99,999 lb	3.9	.2	3.4	.8	3.1	.4	2.7
100,000 lb or more	5.1	—	10.3	1.0	5.5	.4	14.0
For-hire truck	1.5	—	3.4	—	1.1	—	2.9
Less than 50 lb	4.1	—	6.3	—	8.5	—	6.2
50 to 99 lb	7.7	.1	4.5	—	4.8	—	3.7
100 to 499 lb	4.4	.3	2.8	—	2.9	—	2.0
500 to 749 lb	3.1	.1	3.0	—	6.3	—	3.4
750 to 999 lb	5.9	.1	3.4	—	6.9	—	3.4
1,000 to 9,999 lb	3.3	.6	2.2	.2	2.5	.3	1.9
10,000 to 49,999 lb	1.5	.7	2.6	1.2	1.4	.7	2.3
50,000 to 99,999 lb	3.4	.2	4.3	1.0	2.9	.3	3.1
100,000 lb or more	6.6	.1	19.7	1.5	9.3	.6	22.4
Private truck	1.3	—	3.0	—	2.8	—	3.5
Less than 50 lb	2.3	.1	5.6	—	4.7	—	7.5
50 to 99 lb	2.9	.1	3.3	—	4.9	—	5.2
100 to 499 lb	2.1	.3	2.2	—	1.8	—	1.9
500 to 749 lb	1.6	—	2.0	—	2.9	—	2.2
750 to 999 lb	3.0	—	2.3	—	3.2	—	1.9
1,000 to 9,999 lb	2.7	.6	1.9	.3	2.6	.3	1.5
10,000 to 49,999 lb	3.4	.9	3.3	1.3	3.6	1.4	2.5
50,000 to 99,999 lb	5.5	.4	4.8	.8	6.7	1.1	5.8
100,000 lb or more	7.3	.1	10.1	.8	10.8	.8	15.2
Rail	4.7	—	4.5	—	5.9	—	3.7
Less than 50 lb	31.6	—	35.5	—	22.0	—	36.0
50 to 99 lb	44.5	—	S	S	26.1	—	S
100 to 499 lb	22.1	—	28.4	—	18.7	—	35.7
500 to 749 lb	34.8	—	31.0	—	30.1	—	37.3
750 to 999 lb	25.2	—	21.2	—	24.6	—	17.4
1,000 to 9,999 lb	17.8	.9	15.6	—	18.3	—	9.6
10,000 to 49,999 lb	14.4	1.8	7.5	—	7.9	.2	2.9
50,000 to 99,999 lb	18.6	1.9	6.4	.1	6.0	.1	5.8
100,000 lb or more	4.5	2.4	4.6	.2	6.1	.2	2.2
Water	5.6	—	5.8	—	6.6	—	30.4
Less than 50 lb	39.0	—	41.6	—	S	S	43.1
50 to 99 lb	43.0	—	40.7	—	S	S	28.6
100 to 499 lb	39.1	.1	36.4	—	S	S	26.0
500 to 749 lb	S	S	32.7	—	46.9	—	31.1
750 to 999 lb	34.5	—	29.4	—	45.3	—	19.2
1,000 to 9,999 lb	26.0	.3	S	S	25.7	—	S
10,000 to 49,999 lb	22.4	.6	35.7	.2	S	S	S
50,000 to 99,999 lb	37.6	.2	38.2	—	47.2	—	S
100,000 lb or more	5.8	.7	5.9	.3	6.7	.5	5.3
Shallow draft	5.8	—	6.3	—	6.1	—	28.7
Less than 50 lb	46.1	—	S	S	49.3	—	S
50 to 99 lb	S	S	S	S	48.4	—	S
100 to 499 lb	S	S	S	S	38.0	—	S
500 to 749 lb	S	S	40.0	—	S	S	19.4
750 to 999 lb	S	S	43.7	—	S	S	30.5
1,000 to 9,999 lb	45.6	.3	S	S	35.3	—	S
10,000 to 49,999 lb	29.5	.4	44.5	.1	34.3	—	S
50,000 to 99,999 lb	49.3	.2	44.3	—	S	S	S
100,000 lb or more	6.0	.6	6.4	.2	6.1	—	4.6

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the United States: 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	25.0	—	19.3	—	19.3	—	22.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	22.4
10,000 to 49,999 lb	S	S	S	S	S	S	21.8
50,000 to 99,999 lb	S	S	S	S	S	S	21.8
100,000 lb or more	25.3	1.1	19.3	.2	19.3	—	13.2
Deep draft	14.4	—	22.6	—	20.9	—	22.0
Less than 50 lb	45.4	.1	38.5	—	S	S	19.7
50 to 99 lb	S	S	40.0	—	S	S	19.1
100 to 499 lb	S	S	33.9	—	S	S	14.7
500 to 749 lb	S	S	35.6	—	S	S	21.6
750 to 999 lb	35.0	—	32.9	—	45.6	—	17.8
1,000 to 9,999 lb	18.4	.4	S	S	27.8	—	S
10,000 to 49,999 lb	24.0	2.2	39.3	1.2	S	S	38.5
50,000 to 99,999 lb	33.6	.3	42.2	.1	43.7	.2	22.5
100,000 lb or more	15.7	2.5	23.0	1.5	22.0	4.4	22.3
Air (includes truck and air)	9.5	—	6.5	—	8.8	—	1.6
Less than 50 lb	12.2	2.3	5.4	.7	6.5	.9	1.8
50 to 99 lb	14.3	1.5	7.0	.3	9.4	.5	2.8
100 to 499 lb	10.3	1.8	7.2	1.4	9.1	1.6	3.2
500 to 749 lb	10.3	.9	10.7	.6	10.8	.6	4.5
750 to 999 lb	17.1	.4	8.6	.3	9.6	.3	5.8
1,000 to 9,999 lb	10.6	1.8	11.2	1.8	17.9	2.8	4.2
10,000 to 49,999 lb	23.0	.9	15.1	2.4	14.4	1.8	7.7
50,000 to 99,999 lb	41.7	.7	31.5	2.2	23.3	1.1	18.0
100,000 lb or more	42.5	3.2	28.2	2.2	35.9	2.9	11.6
Pipeline	7.2	—	9.6	—	S	S	S
Less than 50 lb	49.7	—	35.2	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	S
100 to 499 lb	46.2	—	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	39.9	.1	39.0	—	S	S	S
10,000 to 49,999 lb	30.9	.2	32.1	.1	S	S	S
50,000 to 99,999 lb	33.0	.1	26.2	—	S	S	S
100,000 lb or more	7.2	.3	9.6	.1	S	S	S
Multiple modes	2.1	—	7.9	—	9.8	—	2.7
Less than 50 lb	2.3	.5	2.5	.5	3.0	.5	2.9
50 to 99 lb	2.4	.3	2.8	.2	3.7	.2	2.4
100 to 499 lb	3.5	.4	3.4	.5	4.0	.4	2.4
500 to 749 lb	7.8	.1	6.7	—	11.3	—	6.8
750 to 999 lb	8.5	.1	8.5	—	17.6	—	10.4
1,000 to 9,999 lb	13.1	.5	14.0	.5	14.3	.5	5.2
10,000 to 49,999 lb	8.8	.4	4.5	1.0	5.3	2.2	2.9
50,000 to 99,999 lb	43.8	.2	29.7	1.6	30.3	1.3	15.9
100,000 lb or more	10.3	.1	10.6	2.6	14.2	3.7	4.9
Parcel, U.S. Postal Service or courier	2.1	—	2.0	—	2.3	—	2.7
Less than 50 lb	2.3	.4	2.5	.7	3.0	1.3	2.9
50 to 99 lb	2.4	.3	2.8	.3	3.7	.5	2.4
100 to 499 lb	3.6	.4	3.4	.7	4.1	.9	2.3
500 to 749 lb	7.9	.2	6.4	.3	11.0	.4	7.0
750 to 999 lb	8.9	.1	9.6	.3	19.1	.6	11.0
1,000 to 9,999 lb	24.0	—	46.2	.3	S	S	15.7
10,000 to 49,999 lb	—	—	—	—	—	—	—
50,000 to 99,999 lb	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—
Truck and rail	7.7	—	21.1	—	18.8	—	3.2
Less than 50 lb	44.3	—	23.8	—	28.3	—	10.9
50 to 99 lb	32.7	—	28.6	—	33.9	—	13.3
100 to 499 lb	29.5	.1	19.9	—	23.3	—	11.3
500 to 749 lb	28.7	—	32.4	—	36.8	—	9.2
750 to 999 lb	S	S	17.6	—	24.0	—	11.7
1,000 to 9,999 lb	14.8	3.6	17.5	1.7	16.9	1.5	3.0
10,000 to 49,999 lb	9.0	3.4	5.1	5.0	5.9	4.1	2.2
50,000 to 99,999 lb	S	S	22.6	1.5	21.6	.6	17.7
100,000 lb or more	10.3	.7	36.6	6.0	48.5	4.7	6.6
Truck and water	9.4	—	12.7	—	28.0	—	13.1
Less than 50 lb	31.9	.4	30.2	—	S	S	16.1
50 to 99 lb	39.8	.5	43.1	—	S	S	15.3
100 to 499 lb	26.4	.8	24.3	—	15.8	.1	32.7
500 to 749 lb	34.2	.9	21.0	—	22.2	—	16.8
750 to 999 lb	36.2	.5	21.4	—	27.7	—	17.7
1,000 to 9,999 lb	30.6	4.1	11.7	.8	12.7	.6	10.6
10,000 to 49,999 lb	10.9	3.6	9.4	3.2	10.5	4.4	7.3
50,000 to 99,999 lb	27.8	1.9	42.2	7.9	39.5	6.9	44.7
100,000 lb or more	21.2	5.1	20.5	8.0	41.1	8.0	15.0

See footnote at end of table.

Table B-4. Measures of Reliability for Shipment Characteristics by Mode of Transportation and Shipment Size for the United States: 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	16.7	—	15.6	—	17.2	—	7.1
Less than 50 lb	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—
500 to 749 lb	S	S	S	S	S	S	22.4
750 to 999 lb	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	48.1
10,000 to 49,999 lb	S	S	S	S	S	S	24.0
50,000 to 99,999 lb	S	S	S	S	S	S	21.2
100,000 lb or more	16.3	.4	15.6	.1	17.2	.3	8.3
Other multiple modes	20.5	—	19.0	—	32.4	—	S
Less than 50 lb	S	S	29.2	—	S	S	35.2
50 to 99 lb	S	S	40.2	—	S	S	21.9
100 to 499 lb	35.9	.1	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	21.3
1,000 to 9,999 lb	38.5	6.2	37.9	5.6	47.4	3.7	S
10,000 to 49,999 lb	32.2	5.4	26.3	1.4	32.9	4.2	46.7
50,000 to 99,999 lb	29.2	5.5	27.9	3.2	30.9	.2	20.7
100,000 lb or more	29.4	8.7	21.5	7.5	33.7	6.6	22.0
Other and unknown modes	4.4	—	9.5	—	7.5	—	10.7
Less than 50 lb	4.0	.6	6.9	—	11.5	—	15.6
50 to 99 lb	7.0	.3	5.3	—	16.4	—	10.7
100 to 499 lb	5.9	.4	7.0	.1	7.3	—	8.1
500 to 749 lb	10.5	.2	10.4	—	28.0	—	20.5
750 to 999 lb	10.7	.1	16.4	—	14.3	—	14.2
1,000 to 9,999 lb	8.6	1.6	6.5	.9	23.0	1.8	10.6
10,000 to 49,999 lb	4.1	1.1	5.2	1.9	8.9	2.3	7.1
50,000 to 99,999 lb	36.9	1.4	11.7	.9	11.2	1.1	14.5
100,000 lb or more	12.3	1.3	13.3	3.3	10.2	2.5	15.8

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

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

Table B-5a. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the United States: 1997**

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.0	—	1.8	—	2.6	—	2.8
01	Live animals and live fish	13.8	—	16.5	—	14.1	—	22.8
02	Cereal grains	7.4	—	6.0	.3	8.3	.5	9.3
03	Other agricultural products	5.3	—	5.9	.1	8.1	.2	12.2
04	Animal feed and products of animal origin, n.e.c.	4.5	—	2.8	—	4.3	.1	28.9
05	Meat, fish, seafood, and their preparations	4.0	.1	5.1	—	6.3	.1	8.7
06	Milled grain products and preparations, and bakery products	4.3	—	3.6	—	5.8	.1	18.8
07	Other prepared foodstuffs and fats and oils	3.1	.1	3.4	.1	3.7	.2	14.4
08	Alcoholic beverages	4.2	—	4.6	—	13.5	.1	19.5
09	Tobacco products	12.8	.1	22.2	—	20.7	—	19.6
10	Monumental or building stone	15.0	—	17.4	—	16.9	—	37.5
11	Natural sands	10.1	—	10.8	.4	9.9	—	8.9
12	Gravel and crushed stone	3.8	—	3.8	.5	5.8	.2	6.6
13	Nonmetallic minerals n.e.c.	13.3	—	12.0	.3	13.6	.3	12.0
14	Metallic ores and concentrates	8.1	—	13.7	.1	21.5	.4	10.8
15	Coal	4.6	—	4.4	.5	9.5	1.5	13.8
17	Gasoline and aviation turbine fuel	4.9	.1	7.8	.6	20.4	1.0	7.7
18	Fuel oils	4.5	—	5.9	.2	13.4	.2	5.5
19	Coal and petroleum products, n.e.c.	4.2	—	5.2	.2	12.9	.4	19.6
20	Basic chemicals	11.9	.3	8.1	.2	13.0	.6	11.0
21	Pharmaceutical products	4.6	.1	11.6	—	18.1	—	5.0
22	Fertilizers	8.0	—	8.9	.2	9.7	.2	12.9
23	Chemical products and preparations, n.e.c.	4.5	.1	5.7	—	6.3	.1	6.2
24	Plastics and rubber	2.1	.1	6.7	—	4.7	.1	5.0
25	Logs and other wood in the rough	5.3	—	9.7	.3	11.8	.1	15.4
26	Wood products	3.8	—	7.3	.2	8.4	.2	7.3
27	Pulp, newsprint, paper, and paperboard	2.5	—	7.1	—	2.9	.1	8.1
28	Paper or paperboard articles	3.0	—	6.8	—	3.7	—	6.0
29	Printed products	12.4	.4	4.7	—	6.1	—	6.8
30	Textiles, leather, and articles of textiles or leather	5.9	.3	4.6	—	5.0	—	3.3
31	Nonmetallic mineral products	2.4	—	9.9	.7	4.9	.2	12.2
32	Base metal in primary or semifinished forms and in finished basic shapes	2.8	.1	5.4	.2	4.5	.2	6.2
33	Articles of base metal	2.3	—	6.1	—	9.3	.2	5.9
34	Machinery	1.9	.1	3.5	—	6.3	—	4.1
35	Electronic and other electrical equipment and components and office equipment	3.4	.4	3.6	—	7.0	—	4.2
36	Motorized and other vehicles (including parts)	3.3	.3	4.7	—	3.8	—	4.3
37	Transportation equipment, n.e.c.	14.5	.3	10.2	—	16.0	—	6.0
38	Precision instruments and apparatus	6.4	.1	7.4	—	7.3	—	4.3
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	—	6.0	—	7.8	—	4.9
40	Miscellaneous manufactured products	6.2	.4	20.1	.2	9.2	.1	4.1
41	Waste and scrap	5.1	—	5.2	—	6.2	.1	11.2
43	Mixed freight	9.0	.3	9.8	—	16.8	.1	11.3
--	Commodity unknown	7.9	—	27.5	.1	28.9	.1	8.4

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

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

Table B-5b. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity for the United States: 1997 and 1993**

[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 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 commodities	1.0	.8	1.5	1.8	1.6	2.7	2.6	2.7	4.1	2.8	3.0	4.6
01	Live animals and live fish	13.8	10.5	9.0	16.5	11.5	11.5	14.1	11.1	10.9	22.8	24.6	99.8
02	Cereal grains	7.4	5.8	12.5	6.0	6.3	9.7	8.3	12.2	14.6	9.3	5.1	12.4
03	Other agricultural products	5.3	3.6	7.6	5.9	4.8	7.6	8.1	7.6	12.0	12.2	9.6	26.0
04	Animal feed and products of animal origin, n.e.c.	4.5	3.0	5.6	2.8	3.9	5.0	4.3	5.1	6.1	28.9	5.1	22.0
05	Meat, fish, seafood, and their preparations	4.0	4.9	6.9	5.1	3.9	7.3	6.3	4.7	9.0	8.7	8.1	11.2
06	Milled grain products and preparations, and bakery products	4.3	5.4	8.4	3.6	4.1	6.2	5.8	5.6	10.2	18.8	8.4	28.2
07	Other prepared foodstuffs and fats and oils	3.1	1.9	3.6	3.4	2.6	4.6	3.7	4.5	5.7	14.4	6.7	17.9
08	Alcoholic beverages	4.2	3.9	6.6	4.6	5.2	7.9	13.5	8.3	25.1	19.5	5.1	28.8
09	Tobacco products	12.8	11.3	16.3	22.2	9.9	38.5	20.7	16.7	32.7	19.6	16.5	51.9
10	Monumental or building stone	15.0	8.7	46.8	17.4	15.1	3.6	16.9	14.8	7.7	37.5	16.1	110.0
11	Natural sands	10.1	4.9	18.6	10.8	4.5	12.8	9.9	8.0	11.8	8.9	8.5	13.0
12	Gravel and crushed stone	3.8	6.0	14.5	3.8	5.7	12.6	5.8	13.8	24.0	6.6	6.8	10.0
13	Nonmetallic minerals n.e.c.	13.3	9.5	19.4	12.0	8.5	11.8	13.6	12.2	15.3	12.0	23.6	8.5
14	Metallic ores and concentrates	8.1	14.2	26.7	13.7	29.3	19.6	21.5	30.0	47.7	10.8	9.0	13.6
15	Coal	4.6	5.4	7.7	4.4	6.6	8.5	9.5	8.1	13.8	13.8	17.5	21.1
17	Gasoline and aviation turbine fuel	4.9	7.9	10.0	7.8	8.6	12.2	20.4	18.1	36.6	7.7	8.0	13.2
18	Fuel oils	4.5	5.5	9.3	5.9	6.7	9.6	13.4	18.0	19.4	5.5	6.3	8.4
19	Coal and petroleum products, n.e.c.	4.2	4.9	4.7	5.2	7.0	7.9	12.9	11.3	12.3	19.6	27.5	15.1
20	Basic chemicals	11.9	4.7	20.3	8.1	8.0	13.7	13.0	18.8	28.7	11.0	8.0	27.8
21	Pharmaceutical products	4.6	7.7	12.4	11.6	16.4	29.8	18.1	22.6	38.5	5.0	5.3	11.9
22	Fertilizers	8.0	5.2	15.3	8.9	8.4	16.7	9.7	12.5	13.5	12.9	10.7	12.1
23	Chemical products and preparations, n.e.c.	4.5	6.2	7.5	5.7	4.1	7.9	6.3	5.7	9.9	6.2	4.8	6.7
24	Plastics and rubber	2.1	3.2	4.5	6.7	4.3	9.6	4.7	6.1	8.4	5.0	9.8	10.4
25	Logs and other wood in the rough	5.3	6.9	8.8	9.7	5.8	11.1	11.8	28.9	21.5	15.4	9.2	21.2
26	Wood products	3.8	2.7	5.4	7.3	6.8	9.5	8.4	6.0	10.3	7.3	3.7	9.1
27	Pulp, newsprint, paper, and paperboard	2.5	2.3	3.9	7.1	2.9	8.2	2.9	3.0	4.5	8.1	13.0	27.7
28	Paper or paperboard articles	3.0	2.5	3.9	6.8	2.9	8.0	3.7	3.6	5.6	6.0	8.7	10.2
29	Printed products	12.4	4.9	19.4	4.7	4.1	9.1	6.1	4.7	10.2	6.8	-	S
30	Textiles, leather, and articles of textiles or leather	5.9	4.3	6.2	4.6	4.2	6.8	5.0	4.8	7.2	3.3	2.9	4.4
31	Nonmetallic mineral products	2.4	1.9	3.7	9.9	2.1	11.3	4.9	3.9	6.7	12.2	6.8	16.5
32	Base metal in primary or semifinished forms and in finished basic shapes	2.8	2.9	7.9	5.4	4.8	13.4	4.5	5.4	11.7	6.2	4.4	8.3
33	Articles of base metal	2.3	2.3	2.6	6.1	3.8	5.7	9.3	5.2	10.6	5.9	2.6	6.9
34	Machinery	1.9	4.7	5.5	3.5	3.1	5.6	6.3	4.8	9.5	4.1	6.4	6.9
35	Electronic and other electrical equipment and components and office equipment	3.4	3.3	8.0	3.6	3.5	7.2	7.0	6.0	13.0	4.2	3.7	5.0
36	Motorized and other vehicles (including parts)	3.3	5.4	7.2	4.7	3.9	6.8	3.8	9.6	10.1	4.3	4.6	5.5
37	Transportation equipment, n.e.c.	14.5	9.2	17.1	10.2	9.0	11.8	16.0	6.9	18.2	6.0	5.5	7.9
38	Precision instruments and apparatus	6.4	7.7	9.5	7.4	12.9	7.6	7.3	9.9	8.3	4.3	3.0	6.9
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	2.9	6.5	6.0	3.3	7.1	7.8	5.0	9.5	4.9	6.2	9.5
40	Miscellaneous manufactured products	6.2	12.2	24.8	20.1	8.1	94.1	9.2	6.4	35.1	4.1	4.1	5.6
41	Waste and scrap	5.1	8.0	13.7	5.2	9.2	12.3	6.2	6.7	11.6	11.2	4.8	12.7
43	Mixed freight	9.0	5.6	11.8	9.8	5.8	12.8	16.8	6.6	21.7	11.3	6.2	14.9
--	Commodity unknown	7.9	11.5	23.3	27.5	11.6	176.6	28.9	23.1	173.0	8.4	7.9	12.1

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

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

Table B-5c. **Standard Error of Percentage for Shipment Characteristics by Two-Digit Commodity for the United States: Percent of Total for 1997 and 1993**

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

SCTG code	Commodity description	Value (percent)		Tons (percent)		Ton-miles (percent)	
		1997	1993	1997	1993	1997	1993
	All commodities	—	—	—	—	—	—
01	Live animals and live fish	—	—	—	—	—	—
02	Cereal grains	—	—	.3	.3	.5	.9
03	Other agricultural products	—	—	.1	.1	.2	.3
04	Animal feed and products of animal origin, n.e.c.	—	—	—	—	.1	.1
05	Meat, fish, seafood, and their preparations .....	.1	.2	—	—	.1	—
06	Milled grain products and preparations, and bakery products	—	—	—	—	.1	.1
07	Other prepared foodstuffs and fats and oils .....	.1	.1	.1	.1	.2	.3
08	Alcoholic beverages	—	—	—	—	.1	—
09	Tobacco products .....	.1	.1	—	—	—	—
10	Monumental or building stone	—	—	—	.2	—	—
11	Natural sands	—	—	.4	.2	—	—
12	Gravel and crushed stone	—	—	.5	.6	.2	.3
13	Nonmetallic minerals n.e.c.	—	—	.3	.2	.3	.3
14	Metallic ores and concentrates	—	—	.1	.5	.4	.5
15	Coal	—	—	.5	.6	1.5	1.1
17	Gasoline and aviation turbine fuel .....	.1	.3	.6	.7	1.0	.6
18	Fuel oils	—	—	.2	.3	.4	.4
19	Coal and petroleum products, n.e.c.	—	—	.2	.3	.4	.6
20	Basic chemicals .....	.3	—	.2	.2	.6	.6
21	Pharmaceutical products .....	.1	.2	—	—	—	—
22	Fertilizers	—	—	.2	.1	.2	.3
23	Chemical products and preparations, n.e.c. ....	.1	.2	—	—	.1	.1
24	Plastics and rubber .....	.1	.1	—	—	.1	.2
25	Logs and other wood in the rough	—	—	.3	.2	.1	.5
26	Wood products	—	—	.2	.2	.2	.3
27	Pulp, newsprint, paper, and paperboard	—	—	—	—	.1	.1
28	Paper or paperboard articles	—	—	—	—	—	—
29	Printed products .....	.4	.1	—	—	—	—
30	Textiles, leather, and articles of textiles or leather .....	.3	.3	—	—	—	—
31	Nonmetallic mineral products	—	—	.7	.2	.2	.2
32	Base metal in primary or semifinished forms and in finished basic shapes .....	.1	—	.2	—	.2	.2
33	Articles of base metal	—	.1	—	—	.2	.1
34	Machinery .....	.1	.3	—	—	—	—
35	Electronic and other electrical equipment and components and office equipment .....	.4	.3	—	—	—	—
36	Motorized and other vehicles (including parts) .....	.3	.5	—	—	—	.2
37	Transportation equipment, n.e.c. ....	.3	.2	—	—	—	—
38	Precision instruments and apparatus .....	.1	.2	—	—	—	—
39	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	—	—	—	—	—	—
40	Miscellaneous manufactured products .....	.4	.5	.2	—	.1	—
41	Waste and scrap	—	—	—	.2	.1	.1
43	Mixed freight .....	.3	.2	—	—	.1	.1
--	Commodity unknown	—	—	.1	—	.1	—

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

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

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

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

SCTG code	Commodity description	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
		Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
	All commodities	1.0	—	1.8	—	2.6	—	2.8
010	Live animals and live fish	13.8	—	16.5	—	14.1	—	22.8
021	Wheat	9.3	—	9.7	.1	14.9	.2	17.5
022	Corn, except sweet	7.5	—	6.5	.2	9.9	.4	11.6
029	Other cereal grains	24.7	—	20.8	.1	21.3	.2	12.9
031	Fresh or chilled potatoes (Irish potatoes), except sweet	15.7	—	18.8	—	31.6	—	23.4
032	Fresh or chilled edible vegetables, except potatoes (Irish potatoes), and dried vegetables	9.9	—	10.5	—	18.7	—	23.5
033	Fresh, chilled, or dried edible fruit and nuts	13.6	—	14.9	—	12.0	—	15.0
034	Soya beans	6.9	—	7.0	—	11.0	.2	6.5
035	Oil seeds and nuts, except olives and soya beans	10.8	—	28.1	—	28.6	—	15.9
036	Bulbs, live plants, and seeds for sowing, n.e.c.	9.9	—	16.9	—	13.2	—	13.0
039	Fresh-cut flowers, plants, and parts of plants, and other agricultural products, except forage products and cereal straw or husks	10.2	—	12.0	—	15.5	—	33.5
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.	8.0	—	5.7	—	7.4	—	45.2
042	Animal feed preparations	5.5	—	4.4	—	7.1	—	32.0
051	Meat including poultry, except preparations	4.1	.1	5.2	—	6.4	—	7.6
052	Fish, except live, and seafood, except preparations	13.6	—	13.5	—	20.6	—	16.9
053	Preparations, extracts, and juices of meat, fish, or seafood	12.3	—	23.6	—	23.9	—	14.2
061	Wheat flour, groats, and meal	8.5	—	10.5	—	13.6	—	14.9
062	Malt, starches, inulin, wheat gluten, and milled or otherwise worked grains, except wheat flour, groats, and meal	6.7	—	10.7	—	12.5	—	18.3
063	Food preparations of cereals, flour, starch, or milk	8.3	—	6.8	—	6.2	—	12.0
064	Bakery products	6.5	—	6.7	—	7.0	—	26.2
071	Dairy products, except chocolate milk, eggnog, and food preparations of milk	5.4	—	6.6	—	7.1	—	14.8
072	Processed or prepared vegetables, fruit, or nuts, except dried or milled, and juices	4.3	—	4.4	—	6.2	—	15.8
073	Coffee, tea, and spices, except unprocessed coffee and unfermented tea	10.5	—	10.8	—	15.8	—	31.1
074	Animal or vegetable fats and oils and their cleavage products, prepared edible fats, animal or vegetable waxes, and flours and meals	6.6	—	7.8	—	10.8	—	11.2
075	Cane, beet, and other sugars in solid form, sugar syrups not containing added flavoring or coloring matter, and molasses	12.9	—	12.6	—	14.2	.1	9.4
076	Confectionery, cocoa, and cocoa preparations	7.9	—	8.6	—	9.6	—	12.8
077	Edible preparations, n.e.c. and vinegar	5.8	—	6.7	—	6.0	—	8.8
078	Nonalcoholic beverages, n.e.c. and ice	10.4	.1	7.8	.1	8.5	—	9.3
081	Malt Beer	3.9	—	5.0	—	19.6	.1	5.2
082	Wine and other fermented beverages	12.4	—	16.5	—	33.8	—	25.1
083	Spirituos beverages and ethyl alcohol	6.4	—	10.8	—	20.6	—	7.6
090	Tobacco products	12.8	.1	22.2	—	20.7	—	19.6
100	Monumental or building stone, except dolomite	15.0	—	17.4	—	16.9	—	37.5
110	Natural sands, except metal-bearing	10.1	—	10.8	.4	9.9	—	8.9
120	Gravel and crushed stone, except dolomite and slate	3.8	—	3.8	.5	5.8	.2	6.6
131	Salt	28.6	—	26.7	—	37.2	.2	16.8
132	Natural calcium phosphates, natural aluminum-calcium phosphates, and phosphatic chalk	19.8	—	25.1	—	34.8	—	17.0
133	Dolomite	22.1	—	20.2	.2	25.1	—	48.9
139	Other nonmetallic minerals	10.6	—	21.4	.2	8.2	.1	13.5
141	Iron ores and concentrates	16.4	—	18.3	.1	24.4	.3	28.1
149	Other metallic ores and concentrates	9.2	—	22.9	—	18.3	—	10.6
151	Nonagglomerated bituminous coal	4.9	—	4.4	.4	9.5	1.5	16.2
159	Other coal	21.3	—	14.4	.1	21.2	—	19.3
171	Gasoline	5.3	.2	6.6	.4	18.6	.7	7.8
172	Aviation turbine fuel (types A and B)	13.1	—	23.3	.2	38.4	.4	20.4
180	Fuel oils	4.5	—	5.9	.2	13.4	.2	5.5
191	Lubricating oils and greases	9.6	—	11.8	—	21.1	.1	21.3
192	Refined petroleum oils and oils obtained from bituminous minerals, n.e.c.	13.1	—	14.1	—	25.5	.1	17.3
193	Gaseous hydrocarbons	8.8	—	8.8	—	11.2	—	10.9
199	Other products of petroleum refining, and coal products	7.9	—	7.9	.2	23.7	.4	11.1
201	Sodium hydroxide (caustic soda) and potassium hydroxide (caustic potash)	11.9	—	13.3	—	26.9	.2	18.0
202	Inorganic chemicals, n.e.c.	3.8	—	7.1	.1	9.2	.2	14.8
203	Cyclic hydrocarbons	32.8	—	14.3	—	24.6	—	25.4
204	Phenols, phenol-alcohols, aldehydes, cyclic polymers of aldehydes, paraformaldehyde, ketones, quinones, organic acids, and acyclic alcohols	18.5	—	23.2	—	36.7	.2	11.9
205	Organic chemicals, n.e.c.	18.0	.2	18.8	.2	25.2	.4	10.5
210	Pharmaceutical products	4.6	.1	11.6	—	18.1	—	5.0
220	Fertilizers and fertilizer materials	8.0	—	8.9	.2	9.7	.2	12.9
231	Paints and varnishes, tanning or dyeing extracts, tannins and their derivatives, dyes, putty and other mastics, inks, and coloring matter, except pigments and synthetic organic dyes, lakes, and toners	5.5	—	5.9	—	6.0	—	13.7
232	Essential oils and resinoids, and perfumery, cosmetic, or toilet preparations	7.5	—	9.7	—	11.0	—	8.7
233	Soap, organic surface-active agents, cleaning preparations, polishes and creams, and scouring preparations	8.0	—	11.8	—	10.5	—	9.0
234	Photographic film, plates, paper, paperboard, or textiles, and chemical preparations for photographic use	25.6	.1	14.0	—	16.5	—	10.0
235	Insecticides, rodenticides, fungicides, herbicides, antisprouting products, plant-growth regulators, disinfectants, and similar products, in packages for retail sale or as preparations or articles	7.4	—	10.9	—	13.2	—	13.1
239	Other chemical products and preparations	7.9	—	7.2	—	9.5	—	8.2
241	Plastics in primary forms, rubber in primary forms or sheets, and unvulcanized compounded rubber	5.2	—	5.8	—	8.6	.1	5.9
242	Manmade fibers and plastics basic shapes and articles	2.5	—	3.4	—	3.4	—	5.3

See footnotes at end of table.

Table B-6. Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the United States: 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	4.3	—	26.0	—	15.6	—	9.4
250	Logs and other wood in the rough	5.3	—	9.7	.3	11.8	—	15.4
261	Wood chips or particles	16.4	—	15.4	.1	19.0	—	26.2
262	Lumber, wood continuously shaped along any of its edges or faces, and shingles and shakes	4.2	—	4.8	—	4.7	—	10.3
263	Veneer sheets and sheets for plywood, particle board, fiberboard, plywood, veneered panels, and similar boards of ligneous material or laminated wood	10.7	—	23.5	.1	19.3	.2	14.8
264	Builders' joinery and carpentry of wood, except shingles and shakes	7.9	—	8.6	—	6.8	—	7.7
269	Other wood products	6.6	—	16.8	—	9.7	—	8.0
271	Pulp of fibrous cellulosic materials	9.6	—	46.3	—	18.4	—	18.8
272	Newsprint in large rolls or sheets	18.1	—	17.4	—	17.7	—	24.6
273	Uncoated paper and paperboard in large rolls or sheets	3.2	—	3.9	—	4.2	—	12.3
274	Coated, impregnated, treated, or worked paper and paperboard, in large rolls or sheets	4.8	—	4.6	—	4.1	—	6.4
280	Paper or paperboard articles	3.0	—	6.8	—	3.7	—	6.0
291	Printed books, brochures, leaflets, and similar printed products	26.2	.4	13.1	—	16.5	—	2.9
292	Newspapers, journals, and periodicals	5.5	—	6.5	—	11.4	—	24.2
293	Advertising material, commercial or trade catalogues, and similar printed products	5.8	—	7.3	—	10.5	—	7.6
299	Other printed products	6.1	—	13.6	—	16.4	—	6.6
301	Textile fibers, yarns, and broadwoven or knitted fabrics, except coated or treated	3.6	—	3.6	—	5.5	—	7.9
302	Textile clothing and accessories, and headgear, except safety	11.5	.3	13.1	—	8.5	—	4.1
303	Textiles and textile articles, n.e.c.	5.2	—	6.6	—	10.8	—	2.4
304	Footwear	14.4	—	31.2	—	26.4	—	3.8
305	Leather and articles, luggage of related materials, and dressed furskins and articles	8.6	—	12.2	—	11.7	—	3.1
311	Hydraulic cements	6.3	—	9.0	—	9.6	—	7.3
312	Ceramic products	6.1	—	25.1	—	7.8	—	5.9
313	Glass and glass products	4.6	—	6.6	—	5.2	—	15.4
319	Other nonmetallic mineral products	3.5	—	12.4	.8	7.0	.1	8.5
321	Iron and steel in primary forms, in semifinished forms, or in powders or granules, and ferroalloys	10.2	—	14.0	—	20.6	.1	12.8
322	Flat-rolled products of iron or steel	5.2	—	9.2	.1	9.4	.2	5.8
323	Bars, rods, angles, shapes, sections, and wire, of iron or steel	5.1	—	6.3	—	7.0	—	8.4
324	Nonferrous metal, except precious, in unwrought forms, in finished basic shapes, or in powders or granules	5.0	—	3.2	—	5.4	—	10.2
331	Pipes, tubes, and fittings	4.2	—	14.8	—	20.5	.2	6.3
332	Structures and parts, except prefabricated buildings	5.2	—	8.2	—	11.3	—	7.9
333	Handtools, cutlery, except of precious metals, interchangeable tools for hand- or machine-tools, hardware, and industrial fasteners	5.7	—	8.3	—	10.0	—	6.7
339	Other articles of metal	3.3	—	6.7	—	9.1	—	14.2
341	Internal-combustion piston engines	7.6	—	9.9	—	13.4	—	8.9
342	Turbines, boilers, nuclear reactors, and nonelectric engines and motors, except internal-combustion piston engines	12.7	—	13.6	—	13.6	—	6.7
343	Pumps, compressors, and fans, and ventilating or recycling hoods incorporating a fan	4.0	—	5.6	—	7.6	—	6.3
344	Air-conditioning, refrigerating, or freezing equipment	7.1	—	7.7	—	9.9	—	11.1
345	Materials-handling, excavating, boring, and related machinery and equipment	5.0	—	6.1	—	8.1	—	10.0
349	Other machinery	3.0	—	5.3	—	10.3	—	5.9
351	Electric motors, generators, generating sets, rotary converters, transformers, static converters, and inductors	5.1	—	5.5	—	7.8	—	9.0
352	Electric cooking appliances and other electrothermic or electromechanical domestic appliances	13.9	—	18.0	—	17.0	—	8.2
353	Line telephone or telegraph apparatus	24.2	.2	20.8	—	28.3	—	6.8
354	Electronic entertainment products, except parts	15.3	.1	21.4	—	42.1	—	5.5
355	Computer and office equipment	8.8	.3	9.1	—	8.4	—	3.9
356	Prepared unrecorded or prerecorded media	8.4	—	14.0	—	16.2	—	5.2
357	Transmission apparatus for radio or television broadcasting, radio transmission and reception apparatus, radar apparatus, radio navigational-aid apparatus, and radio remote-control apparatus, except radio broadcast receivers and parts	17.8	—	22.8	—	25.4	—	5.3
358	Electronic components and parts	6.6	.2	14.3	—	11.6	—	5.0
359	Other electronic and electrical equipment	4.8	.1	6.1	—	6.7	—	5.5
361	Motor vehicles for the transport of less than 10 people, except motorcycles, armored fighting vehicles, snowmobiles, golf carts and similar vehicles, and parts	7.2	.2	11.6	—	8.4	—	10.0
362	Motor vehicles for the transport of goods and road tractors for semitrailers, except parts	8.2	—	7.4	—	10.8	—	13.5
363	Other vehicles	4.6	—	5.6	—	5.3	—	7.0
364	Parts and accessories for motor vehicles, except motorcycles and armored fighting vehicles	4.4	.2	6.3	—	6.1	—	3.6
371	Locomotives and rolling stock, railway track fixtures and fittings, mechanical or electromechanical traffic-signalling equipment, and intermodal containers	13.9	—	12.9	—	19.9	—	6.7
372	Aircraft and spacecraft	17.5	.3	25.6	—	32.5	—	6.1
373	Ships, boats, and floating structures	5.3	—	19.7	—	20.3	—	9.0
381	Optical elements, instruments, and apparatus, except photographic and photocopying equipment and optical instruments and apparatus for measuring or checking	29.1	.1	25.9	—	28.7	—	6.9
382	Photographic and photocopying machines	10.0	—	11.8	—	15.2	—	9.6
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	14.6	—	38.7	—	30.6	—	7.6
384	Instruments, apparatus, and appliances for medical, surgical, dental, or veterinary sciences, or for similar purposes	7.0	—	13.6	—	13.2	—	5.8

See footnotes at end of table.

Table B-6. **Measures of Reliability for Shipment Characteristics by Three-Digit Commodity for the United States: 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	4.8	—	8.1	—	9.7	—	5.0
390	Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	—	6.0	—	7.8	—	4.9
401	Arms and ammunition	21.1	—	16.5	—	12.9	—	4.4
402	Toys, games, and sporting equipment	32.0	.3	35.8	—	14.2	—	5.0
409	Miscellaneous manufactured products	3.7	.2	21.3	.2	10.0	.1	4.3
411	Metallic waste and scrap	7.3	—	7.5	—	9.2	.1	11.6
412	Nonmetallic waste and scrap, except from food processing	11.5	—	8.4	—	9.5	—	10.5
439	Mixed freight	9.0	.3	9.8	—	16.8	.1	11.3
—	Commodity unknown	7.9	—	27.5	.1	28.9	.1	8.4

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

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

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

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
ALL COMMODITIES							
Total	1.0	—	1.8	—	2.6	—	2.8
Single modes	1.1	.3	1.8	.4	2.6	.7	2.9
Truck	1.1	.4	2.1	.8	1.1	.9	3.5
For-hire truck	1.5	.5	3.4	.9	1.1	.7	2.9
Private truck	1.3	.3	3.0	.9	2.8	.4	3.5
Rail	4.7	.2	4.5	.6	5.9	1.5	3.7
Water	5.6	—	5.8	.2	6.6	.7	30.4
Shallow draft	5.8	—	6.3	.2	6.1	.5	28.7
Great Lakes	25.0	—	19.3	—	19.3	.1	22.1
Deep draft	14.4	—	22.6	.2	20.9	.5	22.0
Air (includes truck and air)	9.5	.3	6.5	—	8.8	—	1.6
Pipeline	7.2	.1	9.6	.5	S	S	S
Multiple modes	2.1	.2	7.9	.1	9.8	.7	2.7
Parcel, U.S. Postal Service or courier	2.1	.2	2.0	—	2.3	—	2.7
Truck and rail	7.7	—	21.1	.1	18.8	.4	3.2
Truck and water	9.4	—	12.7	—	28.0	.3	13.1
Rail and water	16.7	—	15.6	.1	17.2	.5	7.1
Other multiple modes	20.5	—	19.0	—	32.4	.2	S
Other and unknown modes	4.4	.2	9.5	.4	7.5	.2	10.7
SCTG 01, LIVE ANIMALS AND LIVE FISH							
Total	13.8	—	16.5	—	14.1	—	22.8
Single modes	13.7	.7	16.4	2.8	14.1	.8	26.5
Truck	13.9	2.2	16.5	2.9	14.7	2.5	31.5
For-hire truck	17.2	5.6	16.7	6.1	17.0	5.0	10.9
Private truck	22.3	5.1	32.1	5.8	28.4	4.5	26.0
Rail	—	—	—	—	—	—	—
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	14.9
Pipeline	—	—	—	—	S	S	S
Multiple modes	42.8	.1	42.4	—	S	S	16.9
Parcel, U.S. Postal Service or courier	42.8	.1	42.4	—	S	S	16.9
Truck and rail	—	—	—	—	—	—	—
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	S	S	S	S	S
SCTG 02, CEREAL GRAINS							
Total	7.4	—	6.0	—	8.3	—	9.3
Single modes	5.4	3.2	5.1	3.2	8.7	1.1	10.3
Truck	7.4	2.3	6.6	2.5	9.2	.8	10.2
For-hire truck	9.4	1.9	9.7	2.3	11.2	.7	14.5
Private truck	9.1	1.3	9.2	1.4	13.9	.3	8.9
Rail	8.9	2.1	9.6	2.2	13.5	3.4	8.2
Water	10.4	1.8	9.8	1.8	9.8	3.4	4.2
Shallow draft	12.2	1.9	11.8	1.8	9.3	3.2	4.3
Great Lakes	36.7	.2	35.9	.2	S	S	20.6
Deep draft	35.4	1.1	36.3	1.0	S	S	22.0
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	S	S	S	S	S	S	S
Multiple modes	25.7	.3	32.3	.2	39.8	.5	17.3
Parcel, U.S. Postal Service or courier	29.4	—	38.4	—	37.4	—	17.8
Truck and rail	29.4	.3	43.4	.1	28.4	.1	16.6
Truck and water	S	S	S	S	S	S	28.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	30.6	3.0	28.6	3.1	36.7	1.0	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 United States: 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	5.3	—	5.9	—	8.1	—	12.2
Single modes	5.6	.8	6.2	1.7	7.3	1.7	14.1
Truck	6.0	1.5	6.0	2.1	9.3	3.0	12.2
For-hire truck	5.7	1.9	7.8	2.0	12.7	2.7	14.7
Private truck	9.5	2.1	8.3	1.8	12.8	2.2	7.7
Rail	10.2	.6	12.4	1.2	15.2	2.4	10.9
Water	17.2	1.2	17.2	1.9	12.2	2.3	12.3
Shallow draft	13.7	.9	12.2	1.6	12.3	2.3	7.7
Great Lakes	S	S	S	S	2.3	—	22.4
Deep draft	S	S	S	S	S	S	34.1
Air (includes truck and air)	24.9	.1	44.1	—	S	S	10.0
Pipeline	—	—	—	—	S	S	S
Multiple modes	11.4	.3	34.5	.4	22.9	.7	12.9
Parcel, U.S. Postal Service or courier	22.6	.3	22.8	—	22.7	—	12.2
Truck and rail	19.8	.1	49.8	.4	20.8	.3	14.3
Truck and water	32.3	.1	44.3	.2	47.2	.7	16.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	13.1	.8	21.8	1.6	31.6	1.4	34.6
SCTG 04, ANIMAL FEED AND PRODUCTS OF ANIMAL ORIGIN, N.E.C.							
Total	4.5	—	2.8	—	4.3	—	28.9
Single modes	4.7	.7	2.9	.4	4.6	1.0	23.2
Truck	4.7	.9	2.9	.8	6.2	2.3	24.6
For-hire truck	7.0	1.9	6.9	1.7	8.7	2.4	8.8
Private truck	6.7	2.2	4.5	1.6	6.4	1.3	10.8
Rail	10.1	.6	8.4	.7	7.5	1.9	5.3
Water	31.8	.3	30.8	.5	32.9	2.0	27.2
Shallow draft	33.3	.3	31.6	.5	33.7	2.0	15.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	39.7
Air (includes truck and air)	38.8	—	46.9	—	S	S	17.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	14.8	.4	22.1	.3	16.9	1.0	22.2
Parcel, U.S. Postal Service or courier	40.3	.2	S	S	S	S	21.0
Truck and rail	16.8	.4	15.9	.1	19.0	.8	9.1
Truck and water	42.0	—	44.6	—	S	S	22.5
Rail and water	41.9	—	39.7	—	41.7	.4	19.3
Other multiple modes	43.0	.1	S	S	40.5	.2	20.7
Other and unknown modes	20.6	.6	17.4	.4	21.4	.4	41.2
SCTG 05, MEAT, FISH, SEAFOOD, AND THEIR PREPARATIONS							
Total	4.0	—	5.1	—	6.3	—	8.7
Single modes	4.1	.3	5.1	.2	6.5	.6	6.6
Truck	4.2	.5	5.1	.4	6.2	1.1	5.2
For-hire truck	5.5	1.3	5.8	1.3	6.6	1.3	4.0
Private truck	4.3	1.2	6.0	1.3	6.9	.8	4.3
Rail	31.0	.3	24.2	.3	22.5	.6	9.6
Water	27.1	.1	43.6	.2	S	S	21.9
Shallow draft	S	S	43.3	—	S	S	25.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	32.9	.1	S	S	S	S	15.6
Air (includes truck and air)	21.1	—	22.1	—	33.9	.1	7.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	16.8	—	23.4	—	33.5	.3	9.8
Parcel, U.S. Postal Service or courier	33.4	—	29.7	—	37.1	—	10.7
Truck and rail	S	S	34.2	—	24.8	—	22.2
Truck and water	27.2	—	34.1	—	47.5	.3	20.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	12.4	.3	11.9	.2	26.2	.5	15.7

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 United States: 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	4.3	—	3.6	—	5.8	—	18.8
Single modes	4.3	.4	3.6	.4	5.9	.5	11.8
Truck	4.5	.6	3.3	1.7	3.0	2.6	11.4
For-hire truck	4.5	1.7	5.2	1.7	3.6	2.2	9.1
Private truck	7.1	2.0	6.3	2.1	5.3	.9	12.4
Rail	9.3	.4	11.6	1.5	11.9	2.5	3.7
Water	S	S	S	S	S	S	18.9
Shallow draft	S	S	S	S	S	S	22.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	38.0	—	S	S	41.3	—	19.5
Air (includes truck and air)	34.5	—	45.1	—	S	S	19.5
Pipeline	38.2	—	37.7	—	S	S	S
Multiple modes	23.3	.4	12.1	.1	9.0	.3	15.5
Parcel, U.S. Postal Service or courier	S	S	29.4	—	31.7	—	15.0
Truck and rail	12.6	.1	13.2	.1	9.7	.2	6.0
Truck and water	24.8	—	27.0	—	27.1	.1	12.7
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	22.6
Other and unknown modes	21.6	.2	27.0	.3	31.1	.3	S
SCTG 07, OTHER PREPARED FOODSTUFFS AND FATS AND OILS							
Total	3.1	—	3.4	—	3.7	—	14.4
Single modes	3.2	.3	3.4	.3	3.1	.9	8.0
Truck	3.3	.4	3.7	.8	2.9	1.8	8.3
For-hire truck	2.2	.9	4.0	1.2	3.8	1.5	6.1
Private truck	4.9	1.1	5.3	1.5	4.6	1.0	6.2
Rail	4.6	.2	7.3	.6	7.9	1.6	4.1
Water	29.9	.1	26.1	.3	25.2	.4	S
Shallow draft	28.7	—	27.7	.3	25.8	.4	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	20.5	—	23.8	—	31.1	—	9.5
Pipeline	33.1	—	33.4	—	S	S	S
Multiple modes	18.3	.3	22.9	.3	19.8	.9	5.2
Parcel, U.S. Postal Service or courier	27.2	.2	18.4	—	24.7	—	5.6
Truck and rail	29.2	.3	16.6	.1	13.1	.4	5.6
Truck and water	30.5	.1	37.3	.2	36.7	.6	23.5
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	21.5
Other and unknown modes	10.7	.1	11.5	.1	15.6	.2	20.5
SCTG 08, ALCOHOLIC BEVERAGES							
Total	4.2	—	4.6	—	13.5	—	19.5
Single modes	4.1	.5	4.6	.5	14.3	2.3	15.2
Truck	4.2	.9	4.6	2.1	8.9	6.0	3.5
For-hire truck	7.9	1.4	8.4	1.6	10.7	3.3	13.4
Private truck	3.9	1.7	3.9	2.5	14.8	3.8	3.7
Rail	16.0	.8	22.8	2.1	28.2	5.8	9.9
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	15.7
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.2	.4	25.3	.4	28.5	2.4	21.4
Parcel, U.S. Postal Service or courier	S	S	48.2	—	S	S	17.5
Truck and rail	31.1	.4	30.8	.4	32.9	2.4	16.0
Truck and water	33.9	—	39.3	—	S	S	35.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	25.5
Other and unknown modes	17.6	.3	26.0	.4	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 United States: 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	12.8	—	22.2	—	20.7	—	19.6
Single modes	13.1	.7	22.7	.7	20.6	1.6	15.9
Truck	13.1	.7	22.7	.7	20.6	1.7	14.1
For-hire truck	22.2	4.9	17.0	4.3	24.3	4.0	9.6
Private truck	15.3	4.9	29.5	4.5	16.9	3.6	6.8
Rail	—	—	—	—	—	—	—
Water	S	S	S	S	S	S	37.0
Shallow draft	S	S	S	S	S	S	36.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.7
Air (includes truck and air)	S	S	S	S	S	S	24.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	24.1	.6	23.2	.3	40.7	1.5	7.0
Parcel, U.S. Postal Service or courier	19.6	.6	15.6	.3	20.2	1.3	6.9
Truck and rail	S	S	S	S	S	S	22.4
Truck and water	S	S	S	S	S	S	20.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	13.6	.2	29.0	.6	32.2	.4	25.6
SCTG 10, MONUMENTAL OR BUILDING STONE							
Total	15.0	—	17.4	—	16.9	—	37.5
Single modes	16.0	3.1	17.4	.5	13.7	2.1	39.2
Truck	16.1	3.2	17.4	.6	13.3	2.8	38.5
For-hire truck	28.4	5.6	24.5	5.5	16.9	5.5	18.2
Private truck	19.6	6.2	17.2	6.2	24.1	6.0	14.4
Rail	42.8	.2	42.6	.3	47.0	1.7	21.4
Water	—	—	—	—	—	—	—
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	22.1
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	38.6
Parcel, U.S. Postal Service or courier	S	S	S	S	43.4	—	24.1
Truck and rail	S	S	S	S	S	S	20.5
Truck and water	S	S	S	S	S	S	22.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	S	S	37.3	.4	S	S	S
SCTG 11, NATURAL SANDS							
Total	10.1	—	10.8	—	9.9	—	8.9
Single modes	10.0	.5	10.9	.4	10.1	1.0	9.3
Truck	10.5	1.3	11.6	1.1	13.2	4.0	9.5
For-hire truck	17.8	3.4	13.1	3.6	13.8	3.2	12.9
Private truck	14.7	3.6	15.3	3.8	19.1	3.8	10.3
Rail	20.3	1.2	18.9	.5	16.7	3.0	13.3
Water	29.1	.3	28.9	.8	42.7	3.0	27.5
Shallow draft	29.1	.3	28.9	.8	42.7	3.0	27.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	—	—	—	—	—	—	—
Air (includes truck and air)	S	S	S	S	S	S	19.3
Pipeline	—	—	—	—	S	S	S
Multiple modes	S	S	S	S	S	S	40.7
Parcel, U.S. Postal Service or courier	S	S	42.5	—	S	S	28.7
Truck and rail	S	S	S	S	S	S	22.5
Truck and water	S	S	S	S	S	S	21.8
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	35.5	.4	25.6	.4	25.4	1.0	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 United States: 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	3.8	—	3.8	—	5.8	—	6.6
Single modes	4.0	.4	3.8	.4	6.2	1.4	6.8
Truck	4.2	.8	4.2	1.0	5.9	2.9	6.9
For-hire truck	8.5	2.1	7.2	2.1	6.6	1.9	4.7
Private truck	5.0	2.1	6.4	2.3	10.3	2.9	9.9
Rail	17.6	.6	21.3	.6	23.6	2.3	10.9
Water	13.0	.3	13.0	.4	14.5	2.3	22.2
Shallow draft	17.0	.2	17.3	.3	23.6	2.5	23.9
Great Lakes	35.9	.3	34.1	.4	35.0	2.4	18.6
Deep draft	S	S	S	S	S	S	22.1
Air (includes truck and air)	S	S	S	S	S	S	22.4
Pipeline	—	—	—	—	—	—	S
Multiple modes	29.6	.2	31.8	.2	30.0	1.3	15.0
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
Truck and rail	46.7	.2	S	S	42.0	.4	20.7
Truck and water	37.5	—	40.6	.1	45.2	1.1	36.2
Rail and water	S	—	S	S	S	S	22.6
Other multiple modes	49.0	—	49.6	—	S	S	20.6
Other and unknown modes	23.7	.5	23.4	.4	25.1	.3	26.1
SCTG 13, NONMETALLIC MINERALS N.E.C.							
Total	13.3	—	12.0	—	13.6	—	12.0
Single modes	13.8	1.3	12.0	.7	13.6	2.3	13.9
Truck	16.2	1.9	14.3	2.6	9.8	2.6	14.9
For-hire truck	9.6	2.9	12.1	2.3	11.4	2.4	14.0
Private truck	30.3	4.0	21.2	3.3	15.1	1.3	28.0
Rail	9.7	1.7	12.8	2.1	10.3	3.1	9.0
Water	24.8	.6	35.9	1.9	49.6	4.2	23.0
Shallow draft	35.9	.5	46.1	1.7	S	S	21.0
Great Lakes	42.0	.3	41.8	.8	42.1	1.1	18.1
Deep draft	S	S	S	S	S	S	33.4
Air (includes truck and air)	S	S	S	S	S	S	18.2
Pipeline	27.3	.4	34.7	.9	S	S	S
Multiple modes	42.6	1.2	43.0	.6	43.9	2.3	11.6
Parcel, U.S. Postal Service or courier	17.8	.1	33.6	—	32.9	—	12.7
Truck and rail	S	S	S	S	S	S	15.9
Truck and water	S	S	S	S	S	S	19.4
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	2.8	—	S
Other and unknown modes	26.3	.7	30.4	.6	S	S	20.0
SCTG 14, METALLIC ORES AND CONCENTRATES							
Total	8.1	—	13.7	—	21.5	—	10.8
Single modes	9.5	3.1	18.4	6.3	29.4	8.8	9.8
Truck	13.4	3.9	19.9	2.4	20.7	2.3	9.7
For-hire truck	14.1	3.6	22.1	2.2	23.6	2.0	13.5
Private truck	23.4	2.5	27.7	.6	21.3	.4	16.1
Rail	18.6	3.5	26.7	6.2	39.7	7.1	17.6
Water	S	S	45.5	5.6	42.3	5.9	34.5
Shallow draft	49.2	.4	49.1	.4	49.0	1.4	23.0
Great Lakes	S	S	S	S	S	S	21.2
Deep draft	S	S	S	S	S	S	24.5
Air (includes truck and air)	41.7	.2	42.0	—	S	S	16.0
Pipeline	46.1	1.7	46.0	.6	S	S	S
Multiple modes	23.1	2.9	27.7	6.3	28.9	8.6	17.0
Parcel, U.S. Postal Service or courier	S	S	39.1	—	45.8	—	16.3
Truck and rail	31.9	.5	23.8	—	20.3	.6	13.1
Truck and water	S	S	48.4	—	43.8	.6	20.8
Rail and water	28.5	2.0	28.1	6.3	29.4	9.0	15.9
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	28.6	1.3	34.1	.6	S	S	33.3

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 United States: 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	4.6	—	4.4	—	9.5	—	13.8
Single modes	5.5	1.8	5.2	2.1	10.4	2.2	10.7
Truck	15.0	2.5	14.9	2.4	12.6	.3	9.9
For-hire truck	16.7	2.3	17.8	2.4	13.4	.3	9.9
Private truck	36.4	1.5	25.5	.9	33.3	—	23.8
Rail	6.5	2.7	7.7	3.0	11.8	3.0	9.0
Water	14.4	1.0	15.1	.9	23.3	1.4	11.1
Shallow draft	14.4	1.0	15.1	.9	23.3	1.4	12.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	—	—	—	—	—	—	—
Pipeline	46.0	.2	45.9	.2	S	S	S
Multiple modes	12.7	.7	13.0	.8	17.7	2.2	13.3
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	S
Truck and rail	S	S	S	S	S	S	22.7
Truck and water	32.8	.4	33.9	.3	35.5	.4	17.6
Rail and water	17.4	.5	20.6	.8	24.0	2.2	13.1
Other multiple modes	32.7	.2	33.6	.3	45.7	.8	19.1
Other and unknown modes	13.5	1.5	13.8	1.7	16.3	.2	39.8
SCTG 17, GASOLINE AND AVIATION TURBINE FUEL							
Total	4.9	—	7.8	—	20.4	—	7.7
Single modes	4.9	.2	7.8	.1	17.3	2.3	7.5
Truck	6.5	1.9	6.7	2.9	8.3	6.4	7.5
For-hire truck	11.6	1.5	13.5	1.9	14.2	3.8	8.4
Private truck	5.0	1.2	5.0	1.6	12.5	3.3	10.7
Rail	33.9	.2	31.0	.2	42.9	1.5	17.5
Water	21.6	.9	33.9	1.4	34.1	5.2	S
Shallow draft	22.5	.6	22.9	.8	35.9	3.3	S
Great Lakes	S	S	S	S	S	S	21.6
Deep draft	42.8	.8	S	S	39.7	4.5	18.0
Air (includes truck and air)	S	S	S	S	S	S	18.4
Pipeline	8.3	1.6	12.9	2.4	S	S	S
Multiple modes	30.4	.2	46.4	.1	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	22.0
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	S	S	S	S	S	S	22.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	23.3	.1	18.9	—	S	S	42.1
Other and unknown modes	18.8	.1	19.4	—	15.9	—	20.6
SCTG 18, FUEL OILS							
Total	4.5	—	5.9	—	13.4	—	5.5
Single modes	4.5	.6	6.1	.7	10.1	4.0	5.5
Truck	4.6	3.0	4.8	2.9	8.5	4.0	5.9
For-hire truck	8.9	1.5	8.2	1.5	12.2	2.2	8.7
Private truck	4.2	2.0	5.1	2.1	8.8	2.2	5.3
Rail	21.3	.3	26.0	.5	32.0	2.8	13.6
Water	11.3	.9	13.2	1.4	17.6	3.8	S
Shallow draft	15.6	.9	17.2	1.3	20.6	2.8	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	19.9	.4	24.2	.8	35.4	3.5	28.3
Air (includes truck and air)	S	S	S	S	S	S	21.9
Pipeline	15.2	3.0	17.1	3.3	S	S	S
Multiple modes	39.6	.5	46.2	.6	S	S	S
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	29.4
Truck and rail	S	S	S	S	S	S	22.1
Truck and water	—	—	—	—	—	—	—
Rail and water	—	—	—	—	—	—	—
Other multiple modes	39.8	.5	46.4	.6	S	S	S
Other and unknown modes	16.6	.3	18.1	.3	41.8	.5	24.2

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	4.2	—	5.2	—	12.9	—	19.6
Single modes	4.0	.8	5.4	1.5	8.2	4.3	21.1
Truck	4.5	2.4	6.6	2.5	12.4	3.4	23.7
For-hire truck	5.5	1.4	12.0	2.2	8.1	1.6	10.5
Private truck	7.3	1.9	7.2	2.4	34.1	3.1	36.4
Rail	14.5	1.5	15.2	1.6	15.1	3.5	7.8
Water	16.0	1.8	15.8	1.9	20.1	3.4	S
Shallow draft	20.3	1.8	18.6	1.7	18.0	2.4	S
Great Lakes	S	S	S	S	S	S	21.6
Deep draft	28.9	.7	38.4	1.2	44.6	3.3	21.8
Air (includes truck and air)	S	S	48.5	—	S	S	12.7
Pipeline	12.0	1.3	9.9	1.1	S	S	S
Multiple modes	22.8	.3	S	S	S	S	11.5
Parcel, U.S. Postal Service or courier	20.3	—	14.7	—	25.9	—	12.1
Truck and rail	47.4	.3	S	S	S	S	21.8
Truck and water	35.2	—	33.8	—	S	S	S
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	34.5	—	37.7	—	S	S	S
Other and unknown modes	32.1	.8	26.1	.6	S	S	22.1
SCTG 20, BASIC CHEMICALS							
Total	11.9	—	8.1	—	13.0	—	11.0
Single modes	12.5	.6	8.0	.6	13.4	.7	13.0
Truck	9.3	1.6	9.5	1.9	20.3	1.6	13.3
For-hire truck	12.7	1.4	14.5	1.2	24.7	1.5	9.4
Private truck	5.5	1.0	11.9	2.0	13.2	.7	5.7
Rail	28.9	1.8	15.8	2.0	17.0	2.9	4.5
Water	12.5	1.4	10.7	1.9	20.1	3.4	17.3
Shallow draft	12.4	1.1	10.1	1.6	17.1	2.5	18.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	29.1	.5	32.6	1.0	49.1	2.4	27.6
Air (includes truck and air)	17.4	.1	37.9	—	50.0	—	5.5
Pipeline	25.6	1.8	16.5	1.8	S	S	S
Multiple modes	7.8	.4	16.5	.2	17.8	.5	9.4
Parcel, U.S. Postal Service or courier	10.5	.4	22.1	—	18.2	—	9.4
Truck and rail	18.0	.2	18.4	—	17.9	.3	9.7
Truck and water	43.8	—	S	S	S	S	47.8
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	32.9	—	S	S	S	S	46.2
Other and unknown modes	15.8	.4	22.7	.6	24.2	.4	41.8
SCTG 21, PHARMACEUTICAL PRODUCTS							
Total	4.6	—	11.6	—	18.1	—	5.0
Single modes	5.7	2.3	12.5	1.4	20.1	2.6	11.2
Truck	6.3	2.5	12.4	1.7	17.7	3.3	12.3
For-hire truck	8.0	2.1	16.1	3.3	19.9	3.7	9.2
Private truck	7.8	1.6	16.9	3.4	14.0	1.8	20.1
Rail	49.2	.3	S	S	S	S	18.0
Water	S	S	S	S	S	S	26.1
Shallow draft	S	S	S	S	S	S	24.5
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.2
Air (includes truck and air)	18.8	1.0	19.1	.3	21.2	.7	5.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.3	2.4	6.9	1.5	10.9	2.2	5.0
Parcel, U.S. Postal Service or courier	9.3	2.3	7.1	1.5	11.6	2.1	5.0
Truck and rail	35.2	—	25.5	—	26.0	.1	17.3
Truck and water	45.9	—	33.6	—	S	S	S
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	16.2	.2	36.0	.4	38.7	1.3	21.4

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	8.0	—	8.9	—	9.7	—	12.9
Single modes	8.0	1.4	9.1	1.3	9.5	2.6	7.1
Truck	8.6	2.1	9.0	2.9	9.4	2.6	6.5
For-hire truck	17.8	1.7	19.2	2.1	14.5	2.5	8.6
Private truck	8.4	2.5	9.1	2.9	9.9	.8	6.9
Rail	13.4	2.1	17.7	3.8	13.5	4.1	5.6
Water	32.6	1.8	31.8	1.9	39.8	3.8	39.9
Shallow draft	29.2	1.3	31.1	1.6	38.3	3.0	29.3
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	S	S	S	S	S	S	21.8
Pipeline	42.6	.6	36.9	.6	S	S	S
Multiple modes	33.2	.2	40.1	.2	46.6	.7	9.0
Parcel, U.S. Postal Service or courier	43.2	—	28.7	—	35.9	—	10.0
Truck and rail	S	S	S	S	S	S	22.3
Truck and water	43.0	.1	S	S	S	S	21.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	26.1	1.3	24.0	1.2	S	S	24.6
SCTG 23, CHEMICAL PRODUCTS AND PREPARATIONS, N.E.C.							
Total	4.5	—	5.7	—	6.3	—	6.2
Single modes	4.7	1.0	5.9	.9	6.3	1.0	5.0
Truck	4.8	1.0	5.6	1.2	5.6	1.5	4.5
For-hire truck	6.4	1.5	6.9	1.4	6.0	1.5	4.3
Private truck	5.6	1.4	5.9	1.2	8.0	.6	5.2
Rail	14.8	.4	12.3	.6	11.5	1.0	6.3
Water	S	S	S	S	S	S	30.7
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.9	—	S	S	S	S	22.6
Air (includes truck and air)	31.8	.2	37.0	—	31.2	.1	4.9
Pipeline	S	S	37.6	.2	S	S	S
Multiple modes	9.1	.7	9.7	.3	12.6	.9	7.2
Parcel, U.S. Postal Service or courier	11.3	.7	8.8	.1	7.2	.1	7.2
Truck and rail	15.9	.3	14.4	.3	14.6	.9	5.4
Truck and water	36.0	—	28.5	—	29.6	—	19.5
Rail and water	S	S	S	S	S	S	21.8
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	18.7	.6	23.3	.8	25.0	.5	42.9
SCTG 24, PLASTICS AND RUBBER							
Total	2.1	—	6.7	—	4.7	—	5.0
Single modes	2.1	.5	7.2	.9	4.9	.8	4.2
Truck	2.1	.6	8.5	1.4	5.1	1.7	4.1
For-hire truck	2.8	.8	3.3	1.9	3.7	1.4	2.9
Private truck	3.0	.7	18.9	2.7	19.9	1.4	7.0
Rail	6.0	.4	7.4	1.4	8.2	1.7	8.5
Water	S	S	S	S	S	S	21.8
Shallow draft	S	S	S	S	S	S	29.4
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	S	S	S	S	S	S	24.2
Air (includes truck and air)	8.5	—	14.5	—	13.9	—	3.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	5.4	.4	10.1	.3	12.8	.7	3.3
Parcel, U.S. Postal Service or courier	5.1	.4	7.0	—	6.8	.1	3.3
Truck and rail	23.7	.3	19.9	.3	18.5	.7	3.3
Truck and water	21.0	—	32.7	—	23.3	—	22.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	21.8
Other and unknown modes	6.6	.2	24.7	.8	12.7	.3	10.9

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 United States: 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	5.3	—	9.7	—	11.8	—	15.4
Single modes	5.1	2.0	9.7	.8	12.7	3.1	7.1
Truck	5.4	1.8	10.0	1.6	12.5	4.8	7.3
For-hire truck	11.1	4.0	19.8	4.7	21.5	4.8	7.2
Private truck	9.1	3.7	13.2	4.5	18.7	4.7	10.1
Rail	19.0	.7	43.0	1.1	S	S	40.5
Water	S	S	S	S	S	S	22.0
Shallow draft	S	S	S	S	S	S	22.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.4
Air (includes truck and air)	S	S	S	S	S	S	22.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	43.7	.5	S	S	36.4	1.0	14.9
Parcel, U.S. Postal Service or courier	44.1	—	S	S	S	S	19.0
Truck and rail	S	S	S	S	38.2	.9	34.5
Truck and water	43.0	—	S	S	S	S	18.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	45.2	1.9	43.0	.7	S	S	S
SCTG 26, WOOD PRODUCTS							
Total	3.8	—	7.3	—	8.4	—	7.3
Single modes	3.8	.4	7.5	1.5	9.1	1.1	3.4
Truck	3.0	.8	6.5	2.1	5.7	1.9	3.8
For-hire truck	4.8	1.0	9.2	2.1	7.0	1.5	5.1
Private truck	3.2	1.2	8.3	2.4	6.2	1.0	4.3
Rail	15.8	.7	22.7	1.2	16.0	1.9	5.8
Water	S	S	S	S	S	S	19.4
Shallow draft	S	S	S	S	S	S	19.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.0
Air (includes truck and air)	30.6	—	30.8	—	42.1	—	8.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.9	.2	24.8	.2	14.3	.6	4.7
Parcel, U.S. Postal Service or courier	17.7	.2	19.4	—	26.5	—	4.7
Truck and rail	15.4	.2	28.1	.2	15.9	.6	7.8
Truck and water	20.0	—	22.0	—	27.3	—	16.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	23.4
Other and unknown modes	12.3	.3	42.3	1.5	26.2	.9	18.1
SCTG 27, PULP, NEWSPRINT, PAPER, AND PAPERBOARD							
Total	2.5	—	7.1	—	2.9	—	8.1
Single modes	2.5	.5	7.4	.3	3.1	.4	2.8
Truck	3.2	1.0	10.1	1.4	4.6	1.7	2.7
For-hire truck	3.2	1.3	13.1	2.0	5.0	1.7	4.2
Private truck	6.2	.9	5.7	.9	9.9	.3	3.2
Rail	3.7	.7	4.0	1.3	5.0	1.7	2.9
Water	39.7	—	37.7	—	S	S	20.8
Shallow draft	S	S	48.4	—	S	S	30.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.8
Air (includes truck and air)	21.7	—	48.0	—	S	S	10.9
Pipeline	S	S	48.0	.2	S	S	S
Multiple modes	8.9	.3	12.4	.3	9.3	.4	21.6
Parcel, U.S. Postal Service or courier	13.5	.2	11.2	—	18.6	—	21.9
Truck and rail	14.7	.2	17.6	.2	12.2	.4	7.7
Truck and water	30.2	—	31.2	.1	31.2	.2	17.0
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	21.6
Other and unknown modes	22.4	.4	11.7	.2	16.2	.2	33.4

See footnotes at end of table.

Table B-7. Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	3.0	—	6.8	—	3.7	—	6.0
Single modes	3.0	.5	7.1	.4	3.5	.6	5.2
Truck	2.9	.6	7.0	.4	3.4	2.2	6.1
For-hire truck	3.4	1.1	5.5	1.4	3.4	2.2	6.6
Private truck	4.5	1.1	10.3	1.3	8.4	.8	10.9
Rail	23.7	.2	23.0	.3	21.2	1.2	9.4
Water	47.7	.2	46.2	.2	S	S	21.2
Shallow draft	S	S	S	S	48.2	—	48.1
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	20.2
Air (includes truck and air)	49.1	.2	S	S	S	S	5.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.0	.4	9.4	.1	13.0	.5	5.3
Parcel, U.S. Postal Service or courier	9.9	.4	7.2	—	9.0	.1	5.3
Truck and rail	15.8	—	20.6	.1	22.3	.5	9.2
Truck and water	20.7	—	23.9	—	24.7	.1	25.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.2
Other and unknown modes	12.9	.3	14.6	.3	20.5	.3	19.0
SCTG 29, PRINTED PRODUCTS							
Total	12.4	—	4.7	—	6.1	—	6.8
Single modes	16.0	1.7	5.3	.9	8.3	2.8	11.6
Truck	14.8	1.5	5.3	.8	8.3	2.8	12.1
For-hire truck	23.2	2.4	7.1	2.1	9.4	3.1	10.5
Private truck	4.0	1.7	7.5	2.0	18.7	1.5	14.0
Rail	34.0	—	37.4	—	31.9	.2	23.6
Water	46.3	—	S	S	S	S	26.0
Shallow draft	S	S	S	S	S	S	21.8
Great Lakes	—	—	—	—	—	—	—
Deep draft	47.2	—	S	S	S	S	21.7
Air (includes truck and air)	48.5	.5	14.6	—	14.1	.2	6.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	8.1	1.6	8.4	.5	10.2	1.5	6.3
Parcel, U.S. Postal Service or courier	8.2	1.6	8.9	.5	11.1	1.4	6.3
Truck and rail	25.7	—	21.5	—	23.1	.3	9.7
Truck and water	39.2	—	37.7	—	48.2	—	27.4
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	7.2	.6	11.0	.7	40.4	2.7	31.1
SCTG 30, TEXTILES, LEATHER, AND ARTICLES OF TEXTILES OR LEATHER							
Total	5.9	—	4.6	—	5.0	—	3.3
Single modes	7.3	1.1	4.9	.5	5.2	1.0	4.1
Truck	7.3	1.1	5.1	.6	5.5	1.3	4.4
For-hire truck	6.5	1.4	5.2	2.0	6.4	2.0	3.7
Private truck	10.5	1.5	10.1	2.2	14.8	2.2	11.1
Rail	29.1	—	44.9	.4	39.8	1.0	25.4
Water	S	S	S	S	S	S	20.6
Shallow draft	S	S	S	S	S	S	21.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	19.3
Air (includes truck and air)	19.5	.2	20.6	—	22.2	.1	5.4
Pipeline	S	S	S	S	S	S	S
Multiple modes	5.6	1.0	6.6	.3	11.0	.9	3.5
Parcel, U.S. Postal Service or courier	5.9	1.0	6.1	.3	7.7	.7	3.5
Truck and rail	27.8	.1	36.5	.2	S	S	10.2
Truck and water	S	S	37.6	—	47.5	.4	12.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	S
Other and unknown modes	8.3	.3	13.4	.4	15.0	.3	16.5

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 United States: 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	2.4	—	9.9	—	4.9	—	12.2
Single modes	2.6	.5	10.2	.3	3.9	1.7	11.6
Truck	2.5	.5	10.4	.7	3.8	2.3	12.5
For-hire truck	3.4	1.1	28.1	3.1	4.7	1.5	6.3
Private truck	3.3	.9	4.8	3.0	5.3	1.2	26.4
Rail	8.1	.1	11.4	.4	10.0	1.3	8.8
Water	30.8	.2	33.4	.3	36.5	.8	44.1
Shallow draft	33.2	—	33.7	.2	36.1	.5	37.5
Great Lakes	S	S	S	S	S	S	20.6
Deep draft	S	S	S	S	S	S	27.8
Air (includes truck and air)	34.7	.2	31.3	—	38.3	.3	4.8
Pipeline	—	—	—	—	S	S	S
Multiple modes	9.0	.4	17.2	—	14.1	.4	8.4
Parcel, U.S. Postal Service or courier	10.9	.4	12.9	—	10.7	—	8.3
Truck and rail	19.5	.1	19.7	—	17.7	.3	25.3
Truck and water	38.2	—	25.8	—	30.4	.2	15.0
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	29.7
Other and unknown modes	8.9	.3	14.9	.3	30.4	1.7	16.3
SCTG 32, BASE METAL IN PRIMARY OR SEMIFINISHED FORMS AND IN FINISHED BASIC SHAPES							
Total	2.8	—	5.4	—	4.5	—	6.2
Single modes	3.0	.5	5.8	1.1	4.6	1.6	4.5
Truck	3.3	1.1	6.3	2.2	4.3	2.9	4.6
For-hire truck	4.5	1.3	8.2	2.1	4.5	2.6	3.0
Private truck	2.9	.7	5.1	1.1	6.4	.5	5.7
Rail	7.7	.7	13.2	1.4	12.4	2.3	7.0
Water	45.1	.1	48.9	.3	39.6	.5	44.1
Shallow draft	46.3	.1	48.8	.3	43.0	.5	19.9
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	43.9	—	S	S	35.1	—	36.9
Air (includes truck and air)	12.5	—	24.0	—	20.6	.1	5.5
Pipeline	S	S	S	S	S	S	S
Multiple modes	11.4	.4	31.9	.6	22.7	.9	6.8
Parcel, U.S. Postal Service or courier	10.3	.2	11.9	—	31.8	—	6.9
Truck and rail	16.5	—	17.0	—	12.3	.2	7.4
Truck and water	36.9	—	43.8	.1	38.0	.5	14.1
Rail and water	S	S	S	S	S	S	21.9
Other multiple modes	S	S	S	S	S	S	25.8
Other and unknown modes	13.8	.4	25.6	.9	21.3	1.0	15.8
SCTG 33, ARTICLES OF BASE METAL							
Total	2.3	—	6.1	—	9.3	—	5.9
Single modes	2.0	1.2	6.6	.9	11.2	2.4	3.6
Truck	2.2	1.2	7.1	1.3	13.3	2.7	4.2
For-hire truck	3.4	1.4	11.9	2.6	15.9	3.1	2.9
Private truck	3.2	.8	5.7	1.9	13.6	1.3	6.6
Rail	17.1	.3	16.8	.9	16.5	1.7	S
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	36.0	—	S	S	S	S	26.9
Air (includes truck and air)	12.5	.1	29.2	.1	42.2	.4	3.1
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.8	1.1	11.2	.3	23.4	1.5	6.5
Parcel, U.S. Postal Service or courier	10.0	1.1	11.1	.2	17.2	.4	6.5
Truck and rail	20.8	—	29.9	.1	17.0	.1	8.0
Truck and water	41.1	—	S	S	S	S	20.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	24.8
Other and unknown modes	8.9	.4	14.9	.9	17.2	1.7	13.0

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 United States: 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	1.9	—	3.5	—	6.3	—	4.1
Single modes	2.1	.6	3.6	.7	5.1	1.5	5.1
Truck	2.3	.8	3.5	.7	4.5	1.7	5.8
For-hire truck	3.0	.8	4.1	1.1	4.6	1.5	4.4
Private truck	3.5	.8	5.4	1.1	9.9	.9	7.8
Rail	22.3	.3	18.7	.4	20.0	.6	30.2
Water	S	S	47.1	—	S	S	41.9
Shallow draft	S	S	S	S	S	S	33.5
Great Lakes	S	S	S	S	S	S	22.4
Deep draft	35.0	—	42.6	—	S	S	22.3
Air (includes truck and air)	9.5	.3	25.8	.1	42.4	.4	2.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	4.1	.5	10.3	.5	14.7	1.1	4.8
Parcel, U.S. Postal Service or courier	3.0	.3	5.5	.2	8.8	.4	4.8
Truck and rail	29.0	.3	20.3	.3	22.1	.8	7.7
Truck and water	37.8	—	43.0	—	30.7	—	33.9
Rail and water	S	S	S	S	S	S	22.4
Other multiple modes	S	S	S	S	S	S	27.7
Other and unknown modes	6.4	.3	10.4	.4	45.8	.9	29.5
SCTG 35, ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS AND OFFICE EQUIPMENT							
Total	3.4	—	3.6	—	7.0	—	4.2
Single modes	5.2	1.6	3.9	.7	8.0	1.2	5.6
Truck	5.5	1.6	3.9	.7	8.5	1.3	5.3
For-hire truck	6.9	1.6	5.1	1.5	10.3	1.9	4.7
Private truck	5.2	.7	5.8	1.2	15.0	1.5	8.4
Rail	20.4	—	19.3	.2	14.2	.4	13.3
Water	47.8	—	S	S	40.5	—	S
Shallow draft	S	S	S	S	S	S	33.9
Great Lakes	—	—	—	—	—	—	—
Deep draft	38.7	—	41.2	—	37.5	—	S
Air (includes truck and air)	8.1	.6	8.8	.1	8.7	.3	1.7
Pipeline	S	S	S	S	S	S	S
Multiple modes	4.5	1.5	5.6	.4	7.4	.9	3.1
Parcel, U.S. Postal Service or courier	4.6	1.5	5.9	.4	6.8	.6	3.2
Truck and rail	25.1	—	20.2	.2	21.1	.6	5.6
Truck and water	S	S	38.3	—	23.7	—	14.0
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	47.9	—	S	S	22.5
Other and unknown modes	8.9	.4	11.4	.5	21.5	.7	28.1
SCTG 36, MOTORIZED AND OTHER VEHICLES (INCLUDING PARTS)							
Total	3.3	—	4.7	—	3.8	—	4.3
Single modes	3.6	1.4	5.3	1.1	4.2	1.4	5.1
Truck	4.0	1.5	4.3	1.4	3.9	2.1	5.0
For-hire truck	5.2	1.4	5.0	.9	3.8	1.6	3.8
Private truck	3.6	.8	7.0	1.2	11.3	.9	6.5
Rail	11.6	1.6	14.3	1.4	11.2	2.2	5.9
Water	45.4	—	41.7	—	S	S	19.6
Shallow draft	S	S	S	S	S	S	20.7
Great Lakes	—	—	—	—	—	—	—
Deep draft	48.0	—	45.9	—	S	S	19.1
Air (includes truck and air)	12.5	.1	18.8	—	16.6	.1	2.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	8.2	.9	10.8	.6	11.7	1.2	3.5
Parcel, U.S. Postal Service or courier	6.6	.3	6.5	.1	8.4	.2	3.7
Truck and rail	12.9	.8	13.9	.5	14.2	1.3	3.0
Truck and water	S	S	S	S	49.4	—	38.3
Rail and water	S	S	S	S	S	S	21.2
Other multiple modes	S	S	S	S	S	S	26.4
Other and unknown modes	14.6	1.5	10.4	.9	15.2	1.0	14.3

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 United States: 1997—Con.

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 37, TRANSPORTATION EQUIPMENT, N.E.C.							
Total	14.5	—	10.2	—	16.0	—	6.0
Single modes	16.8	3.0	10.5	.6	17.0	2.9	7.7
Truck	9.3	3.3	12.5	4.0	19.3	3.1	14.5
For-hire truck	12.6	2.5	14.7	3.0	21.9	3.0	8.6
Private truck	8.8	1.3	14.4	2.6	15.2	1.7	16.2
Rail	20.8	.8	15.6	3.7	18.9	3.3	9.9
Water	7.8	.5	S	S	S	S	S
Shallow draft	46.9	.3	S	S	S	S	S
Great Lakes	—	—	—	—	—	—	—
Deep draft	1.8	.3	4.7	.1	S	S	21.7
Air (includes truck and air)	28.6	5.6	23.3	.3	14.5	.7	3.2
Pipeline	—	—	—	—	S	S	S
Multiple modes	14.7	2.8	18.6	.4	25.2	1.0	5.8
Parcel, U.S. Postal Service or courier	12.5	2.1	15.7	.4	25.9	.9	5.8
Truck and rail	S	S	38.5	.1	44.7	.5	14.8
Truck and water	S	S	S	S	S	S	23.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.4
Other and unknown modes	27.2	.6	22.6	.5	S	S	29.6
SCTG 38, PRECISION INSTRUMENTS AND APPARATUS							
Total	6.4	—	7.4	—	7.3	—	4.3
Single modes	5.0	1.8	9.7	2.1	8.9	2.9	8.0
Truck	5.9	1.6	10.4	2.3	10.0	3.2	6.6
For-hire truck	6.9	1.4	11.7	2.5	10.7	3.2	7.7
Private truck	7.6	.7	11.9	1.5	16.5	.6	15.0
Rail	S	S	S	S	S	S	38.0
Water	S	S	S	S	S	S	S
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	S
Air (includes truck and air)	7.9	1.0	32.9	1.4	17.8	1.0	5.6
Pipeline	S	S	S	S	S	S	S
Multiple modes	10.3	1.8	9.0	1.5	12.0	2.1	5.2
Parcel, U.S. Postal Service or courier	10.4	1.8	9.1	1.5	12.3	2.1	5.2
Truck and rail	S	S	S	S	S	S	19.9
Truck and water	S	S	S	S	S	S	20.5
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	10.4	.4	18.5	.9	28.4	1.3	18.1
SCTG 39, FURNITURE, MATTRESSES AND MATTRESS SUPPORTS, LAMPS, LIGHTING FITTINGS, AND ILLUMINATED SIGNS							
Total	4.9	—	6.0	—	7.8	—	4.9
Single modes	5.1	.6	6.2	.5	8.0	.8	5.2
Truck	5.1	.6	6.1	.5	8.0	.9	4.9
For-hire truck	3.0	1.9	6.0	2.0	9.0	1.5	2.7
Private truck	10.6	2.0	9.8	2.0	12.4	1.3	7.7
Rail	30.7	.1	39.6	.2	29.0	.5	14.0
Water	39.3	—	40.5	—	S	S	21.4
Shallow draft	—	—	—	—	—	—	—
Great Lakes	—	—	—	—	—	—	—
Deep draft	39.3	—	40.5	—	S	S	21.4
Air (includes truck and air)	23.1	.1	32.2	—	S	S	7.0
Pipeline	S	S	S	S	S	S	S
Multiple modes	9.3	.4	11.5	.2	15.7	.7	5.6
Parcel, U.S. Postal Service or courier	10.2	.4	10.0	.2	12.7	.5	5.7
Truck and rail	19.9	—	26.5	.1	31.9	.5	6.1
Truck and water	44.1	—	S	S	S	S	17.2
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	17.8	.4	13.7	.4	16.5	.5	23.6

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 United States: 1997—Con.

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

SCTG code, description, and mode of transportation	Value		Tons		Ton-miles		Average miles per shipment—coefficient of variation
	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	Coefficient of variation of number	Standard error of percentage	
SCTG 40, MISCELLANEOUS MANUFACTURED PRODUCTS							
Total	6.2	—	20.1	—	9.2	—	4.1
Single modes	9.3	1.7	21.7	1.4	7.0	3.1	7.7
Truck	9.4	1.7	22.0	1.3	7.1	2.8	9.8
For-hire truck	7.2	1.2	5.3	3.6	5.6	3.0	5.4
Private truck	14.1	1.7	36.4	4.0	20.3	2.5	21.2
Rail	29.2	.1	21.0	.3	19.1	.8	19.7
Water	48.8	—	S	S	S	S	45.9
Shallow draft	49.2	—	S	S	S	S	22.0
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	39.7
Air (includes truck and air)	34.6	1.1	20.6	—	30.9	.2	2.9
Pipeline	S	S	S	S	S	S	S
Multiple modes	4.3	1.6	4.7	.4	6.6	.6	3.3
Parcel, U.S. Postal Service or courier	4.4	1.6	5.6	.4	8.8	.5	3.3
Truck and rail	21.1	.1	14.2	—	11.4	.2	5.4
Truck and water	29.5	—	32.4	—	31.6	—	16.8
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	29.2
Other and unknown modes	8.9	.4	44.4	1.3	S	S	16.2
SCTG 41, WASTE AND SCRAP							
Total	5.1	—	5.2	—	6.2	—	11.2
Single modes	5.1	1.1	5.2	1.2	6.2	3.6	5.9
Truck	5.7	1.3	6.1	2.0	6.7	2.9	6.1
For-hire truck	6.6	2.0	5.7	2.4	7.7	2.4	2.9
Private truck	9.8	2.4	12.9	2.8	18.1	2.7	9.8
Rail	9.1	1.1	8.9	1.5	8.1	2.1	7.3
Water	25.8	.3	31.3	.5	35.5	.9	S
Shallow draft	27.1	.2	35.5	.4	28.5	.6	19.2
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	44.4
Air (includes truck and air)	S	S	S	S	S	S	20.2
Pipeline	S	S	S	S	S	S	S
Multiple modes	19.2	.5	46.3	.9	S	S	12.7
Parcel, U.S. Postal Service or courier	S	S	S	S	S	S	19.3
Truck and rail	15.6	.3	21.5	.1	15.6	.4	8.6
Truck and water	S	S	S	S	S	S	26.9
Rail and water	—	—	—	—	—	—	—
Other multiple modes	47.8	—	45.7	—	45.3	—	19.9
Other and unknown modes	30.6	1.0	34.5	.9	38.7	2.0	23.0
SCTG 43, MIXED FREIGHT							
Total	9.0	—	9.8	—	16.8	—	11.3
Single modes	9.3	.9	10.0	.7	17.7	1.5	6.0
Truck	9.3	.9	10.1	.7	17.9	1.5	5.9
For-hire truck	10.5	1.0	26.1	2.2	47.5	4.3	12.6
Private truck	10.0	1.3	10.9	2.1	10.1	4.0	6.6
Rail	S	S	S	S	S	S	S
Water	S	S	S	S	S	S	28.8
Shallow draft	S	S	S	S	S	S	22.4
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	28.4
Air (includes truck and air)	S	S	36.4	—	46.6	—	11.4
Pipeline	—	—	—	—	S	S	S
Multiple modes	20.9	.3	34.4	.1	43.2	1.1	9.5
Parcel, U.S. Postal Service or courier	20.5	.3	30.1	.1	25.4	.3	9.6
Truck and rail	40.1	—	49.5	—	43.1	.6	16.8
Truck and water	46.3	—	S	S	S	S	17.6
Rail and water	—	—	—	—	—	—	—
Other multiple modes	—	—	—	—	—	—	—
Other and unknown modes	22.9	.9	21.8	.7	31.2	1.1	36.4

See footnotes at end of table.

Table B-7. **Measures of Reliability for Shipment Characteristics by Two-Digit Commodity and Mode of Transportation for the United States: 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	7.9	—	27.5	—	28.9	—	8.4
Single modes	9.1	1.7	28.6	1.6	31.6	3.6	10.1
Truck	10.0	2.5	38.7	6.0	45.9	5.6	11.8
For-hire truck	14.2	3.5	22.5	3.4	10.3	5.8	7.6
Private truck	16.0	3.1	46.7	4.8	S	S	23.1
Rail	37.2	1.9	S	S	38.2	4.8	18.6
Water	S	S	S	S	S	S	21.2
Shallow draft	S	S	S	S	S	S	30.6
Great Lakes	—	—	—	—	—	—	—
Deep draft	S	S	S	S	S	S	22.0
Air (includes truck and air)	25.5	.8	27.9	—	37.2	.1	9.8
Pipeline	S	S	S	S	S	S	S
Multiple modes	12.0	1.5	S	S	S	S	7.9
Parcel, U.S. Postal Service or courier	12.7	1.6	9.9	.1	12.3	.4	8.0
Truck and rail	S	S	S	S	S	S	30.0
Truck and water	S	S	S	S	S	S	23.1
Rail and water	—	—	—	—	—	—	—
Other multiple modes	S	S	S	S	S	S	22.0
Other and unknown modes	17.6	1.2	31.4	1.5	48.6	3.3	21.2

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

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

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

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

SCTG code, description, and distance shipped (based on Great Circle Distance)	Value	Tons	Ton-miles
All commodities	1.0	1.8	2.6
Less than 50 miles	1.3	2.7	2.7
50 to 99 miles	2.7	3.3	3.4
100 to 249 miles	2.1	2.1	2.7
250 to 499 miles	1.7	3.9	4.1
500 to 749 miles	1.6	4.1	4.2
750 to 999 miles	1.8	5.2	5.2
1,000 to 1,499 miles	2.7	7.6	7.9
1,500 to 1,999 miles	2.5	5.0	5.1
2,000 miles or more	3.1	1.7	1.8
SCTG 01, Live animals and live fish	13.8	16.5	14.1
Less than 50 miles	16.4	30.1	25.2
50 to 99 miles	45.3	41.0	42.6
100 to 249 miles	29.0	31.1	35.7
250 to 499 miles	22.2	22.2	23.1
500 to 749 miles	28.0	28.5	30.2
750 to 999 miles	32.0	34.2	33.5
1,000 to 1,499 miles	27.6	24.9	24.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 02, Cereal grains	7.4	6.0	8.3
Less than 50 miles	10.8	9.0	12.7
50 to 99 miles	11.7	12.7	12.8
100 to 249 miles	8.9	8.9	9.8
250 to 499 miles	12.4	12.4	12.4
500 to 749 miles	12.0	17.5	18.0
750 to 999 miles	14.9	15.5	14.4
1,000 to 1,499 miles	17.2	17.8	18.6
1,500 to 1,999 miles	34.1	36.1	37.2
2,000 miles or more	36.7	47.6	S
SCTG 03, Other agricultural products	5.3	5.9	8.1
Less than 50 miles	6.4	8.0	8.1
50 to 99 miles	14.1	13.0	13.1
100 to 249 miles	9.0	11.5	13.6
250 to 499 miles	7.0	9.9	10.5
500 to 749 miles	13.7	17.9	19.4
750 to 999 miles	7.8	9.9	10.4
1,000 to 1,499 miles	11.8	21.3	22.4
1,500 to 1,999 miles	11.7	16.0	15.0
2,000 miles or more	13.4	13.2	12.9
SCTG 04, Animal feed and products of animal origin, n.e.c.	4.5	2.8	4.3
Less than 50 miles	5.2	4.7	6.8
50 to 99 miles	15.0	6.4	6.4
100 to 249 miles	8.4	6.6	6.5
250 to 499 miles	7.9	7.1	6.4
500 to 749 miles	8.4	10.4	11.5
750 to 999 miles	14.8	13.4	13.3
1,000 to 1,499 miles	7.5	7.2	8.1
1,500 to 1,999 miles	26.5	18.3	19.2
2,000 miles or more	28.9	29.5	29.5
SCTG 05, Meat, fish, seafood, and their preparations	4.0	5.1	6.3
Less than 50 miles	5.4	8.4	9.0
50 to 99 miles	4.9	5.5	5.1
100 to 249 miles	4.7	4.3	4.3
250 to 499 miles	5.3	6.5	6.4
500 to 749 miles	5.4	5.6	5.8
750 to 999 miles	6.8	7.1	7.2
1,000 to 1,499 miles	11.2	11.5	11.7
1,500 to 1,999 miles	8.0	8.0	8.3
2,000 miles or more	17.5	19.9	19.6
SCTG 06, Milled grain products and preparations, and bakery products	4.3	3.6	5.8
Less than 50 miles	5.6	6.9	10.9
50 to 99 miles	6.5	5.6	5.7
100 to 249 miles	8.8	7.9	8.5
250 to 499 miles	5.1	5.4	5.0
500 to 749 miles	6.6	10.0	11.9
750 to 999 miles	8.9	9.0	9.2
1,000 to 1,499 miles	5.9	8.8	9.3
1,500 to 1,999 miles	11.1	10.1	10.6
2,000 miles or more	11.1	15.2	15.4
SCTG 07, Other prepared foodstuffs and fats and oils	3.1	3.4	3.7
Less than 50 miles	3.6	5.3	6.5
50 to 99 miles	7.6	5.1	5.2
100 to 249 miles	7.1	4.4	4.3
250 to 499 miles	3.3	4.8	5.3
500 to 749 miles	4.6	6.0	6.5
750 to 999 miles	4.8	7.6	7.7
1,000 to 1,499 miles	4.5	8.8	8.7
1,500 to 1,999 miles	10.6	6.6	6.8
2,000 miles or more	4.8	8.2	8.7

See footnotes at end of table.

Table B-8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	4.2	4.6	13.5
Less than 50 miles	2.7	2.4	2.9
50 to 99 miles	7.1	9.3	9.6
100 to 249 miles	15.0	11.6	11.9
250 to 499 miles	10.9	11.8	11.4
500 to 749 miles	15.3	18.2	21.2
750 to 999 miles	19.5	20.3	22.0
1,000 to 1,499 miles	18.8	22.1	23.4
1,500 to 1,999 miles	18.7	29.0	28.8
2,000 miles or more	26.1	30.4	31.7
SCTG 09, Tobacco products	12.8	22.2	20.7
Less than 50 miles	17.2	34.6	36.2
50 to 99 miles	10.4	19.2	16.7
100 to 249 miles	10.8	12.2	12.5
250 to 499 miles	20.5	16.5	16.8
500 to 749 miles	21.1	19.9	19.8
750 to 999 miles	25.0	23.6	24.1
1,000 to 1,499 miles	37.8	37.1	38.5
1,500 to 1,999 miles	36.1	35.3	35.7
2,000 miles or more	36.1	39.0	38.9
SCTG 10, Monumental or building stone	15.0	17.4	16.9
Less than 50 miles	27.9	22.6	23.2
50 to 99 miles	38.4	24.0	23.4
100 to 249 miles	34.1	24.9	23.1
250 to 499 miles	24.6	21.6	20.3
500 to 749 miles	24.8	16.9	17.1
750 to 999 miles	34.8	26.6	26.7
1,000 to 1,499 miles	37.5	33.1	33.5
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 11, Natural sands	10.1	10.8	9.9
Less than 50 miles	11.4	10.8	13.5
50 to 99 miles	16.6	26.0	25.3
100 to 249 miles	19.1	16.9	20.5
250 to 499 miles	17.1	19.8	19.0
500 to 749 miles	26.2	22.3	22.1
750 to 999 miles	25.7	49.8	45.4
1,000 to 1,499 miles	43.2	32.2	31.1
1,500 to 1,999 miles	36.0	45.0	28.5
2,000 miles or more	33.2	37.7	37.3
SCTG 12, Gravel and crushed stone	3.8	3.8	5.8
Less than 50 miles	4.2	4.4	6.6
50 to 99 miles	7.9	8.2	8.3
100 to 249 miles	11.0	8.9	9.5
250 to 499 miles	10.0	15.9	15.3
500 to 749 miles	S	23.4	24.7
750 to 999 miles	27.1	27.3	26.2
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	13.3	12.0	13.6
Less than 50 miles	18.0	16.6	17.9
50 to 99 miles	40.0	19.6	18.2
100 to 249 miles	24.2	12.4	14.3
250 to 499 miles	17.8	16.0	16.0
500 to 749 miles	11.4	32.1	38.8
750 to 999 miles	8.5	13.8	14.8
1,000 to 1,499 miles	16.1	16.1	16.0
1,500 to 1,999 miles	14.1	20.1	19.7
2,000 miles or more	19.9	25.1	25.8
SCTG 14, Metallic ores and concentrates	8.1	13.7	21.5
Less than 50 miles	14.4	20.9	33.8
50 to 99 miles	22.2	32.4	32.2
100 to 249 miles	20.3	22.0	18.6
250 to 499 miles	16.3	24.9	26.6
500 to 749 miles	22.0	36.7	37.4
750 to 999 miles	18.9	47.5	46.5
1,000 to 1,499 miles	18.4	41.4	41.1
1,500 to 1,999 miles	27.1	S	S
2,000 miles or more	40.3	S	S
SCTG 15, Coal	4.6	4.4	9.5
Less than 50 miles	9.3	8.0	7.9
50 to 99 miles	8.8	8.9	14.6
100 to 249 miles	9.1	9.0	9.0
250 to 499 miles	9.9	9.2	9.2
500 to 749 miles	11.6	11.6	11.7
750 to 999 miles	14.6	19.9	19.1
1,000 to 1,499 miles	16.2	19.8	20.0
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S

See footnotes at end of table.

Table B-8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	4.9	7.8	20.4
Less than 50 miles	5.9	8.2	6.1
50 to 99 miles	10.0	11.6	10.7
100 to 249 miles	10.0	12.0	12.0
250 to 499 miles	20.4	22.7	19.0
500 to 749 miles	26.8	39.0	40.5
750 to 999 miles	28.3	37.5	37.1
1,000 to 1,499 miles	33.5	35.5	45.3
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 18, Fuel oils	4.5	5.9	13.4
Less than 50 miles	6.2	8.2	10.4
50 to 99 miles	9.3	11.7	13.0
100 to 249 miles	12.6	10.3	11.5
250 to 499 miles	23.9	25.7	S
500 to 749 miles	29.2	27.7	26.4
750 to 999 miles	35.4	38.6	36.5
1,000 to 1,499 miles	47.9	43.2	42.3
1,500 to 1,999 miles	S	S	S
2,000 miles or more	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	4.2	5.2	12.9
Less than 50 miles	5.2	5.9	12.7
50 to 99 miles	7.4	10.3	17.8
100 to 249 miles	7.1	9.9	11.2
250 to 499 miles	10.6	10.8	11.8
500 to 749 miles	17.5	19.2	22.3
750 to 999 miles	13.2	15.2	17.0
1,000 to 1,499 miles	13.0	34.0	38.9
1,500 to 1,999 miles	17.0	27.8	27.3
2,000 miles or more	20.8	23.6	21.9
SCTG 20, Basic chemicals	11.9	8.1	13.0
Less than 50 miles	10.2	6.0	7.5
50 to 99 miles	6.3	8.9	10.0
100 to 249 miles	6.7	9.8	11.1
250 to 499 miles	26.6	23.2	19.7
500 to 749 miles	5.4	9.1	10.6
750 to 999 miles	8.4	15.5	17.2
1,000 to 1,499 miles	42.0	31.3	30.0
1,500 to 1,999 miles	5.7	10.8	11.0
2,000 miles or more	10.9	17.3	17.1
SCTG 21, Pharmaceutical products	4.6	11.6	18.1
Less than 50 miles	9.2	20.4	12.9
50 to 99 miles	8.0	10.5	11.4
100 to 249 miles	7.8	10.0	9.3
250 to 499 miles	11.2	20.9	22.5
500 to 749 miles	9.5	28.0	27.8
750 to 999 miles	17.7	22.8	21.4
1,000 to 1,499 miles	12.4	13.7	14.8
1,500 to 1,999 miles	13.9	14.2	15.9
2,000 miles or more	13.9	40.1	40.9
SCTG 22, Fertilizers	8.0	8.9	9.7
Less than 50 miles	6.8	11.1	16.9
50 to 99 miles	20.4	18.1	16.8
100 to 249 miles	17.3	18.4	19.5
250 to 499 miles	18.4	16.5	16.2
500 to 749 miles	9.7	10.0	11.7
750 to 999 miles	13.3	14.8	17.6
1,000 to 1,499 miles	22.5	22.3	23.1
1,500 to 1,999 miles	36.6	S	S
2,000 miles or more	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	4.5	5.7	6.3
Less than 50 miles	4.6	8.0	6.8
50 to 99 miles	7.0	7.5	7.4
100 to 249 miles	8.7	7.3	7.5
250 to 499 miles	4.1	6.3	6.6
500 to 749 miles	9.6	5.2	5.1
750 to 999 miles	7.3	7.5	7.7
1,000 to 1,499 miles	9.2	12.9	13.0
1,500 to 1,999 miles	12.4	12.4	11.3
2,000 miles or more	17.4	8.2	8.2
SCTG 24, Plastics and rubber	2.1	6.7	4.7
Less than 50 miles	2.6	12.0	17.2
50 to 99 miles	3.2	15.9	14.5
100 to 249 miles	3.1	17.7	20.4
250 to 499 miles	4.4	4.7	4.3
500 to 749 miles	3.7	4.2	4.4
750 to 999 miles	4.2	7.8	8.1
1,000 to 1,499 miles	4.4	7.4	7.9
1,500 to 1,999 miles	5.0	6.4	6.8
2,000 miles or more	5.4	11.4	12.7

See footnotes at end of table.

Table B-8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	5.3	9.7	11.8
Less than 50 miles	7.7	13.1	9.9
50 to 99 miles	9.4	23.5	21.3
100 to 249 miles	10.5	27.3	29.9
250 to 499 miles	15.3	S	S
500 to 749 miles	36.0	41.9	42.1
750 to 999 miles	26.3	S	S
1,000 to 1,499 miles	S	S	S
1,500 to 1,999 miles	21.6	30.1	30.5
2,000 miles or more	41.1	46.3	46.2
SCTG 26, Wood products	3.8	7.3	8.4
Less than 50 miles	3.2	9.4	8.1
50 to 99 miles	3.5	11.1	11.3
100 to 249 miles	8.5	15.4	18.7
250 to 499 miles	6.1	13.0	11.4
500 to 749 miles	6.8	8.8	8.9
750 to 999 miles	6.8	13.9	13.2
1,000 to 1,499 miles	5.4	11.4	11.6
1,500 to 1,999 miles	4.3	5.6	6.9
2,000 miles or more	6.6	6.9	7.2
SCTG 27, Pulp, newsprint, paper, and paperboard	2.5	7.1	2.9
Less than 50 miles	5.0	5.1	5.8
50 to 99 miles	4.3	S	43.9
100 to 249 miles	5.8	4.3	4.6
250 to 499 miles	3.6	3.4	3.7
500 to 749 miles	2.7	3.3	3.3
750 to 999 miles	4.8	5.7	5.9
1,000 to 1,499 miles	6.3	6.6	6.6
1,500 to 1,999 miles	7.9	10.0	9.7
2,000 miles or more	6.6	8.4	9.7
SCTG 28, Paper or paperboard articles	3.0	6.8	3.7
Less than 50 miles	4.7	14.9	17.9
50 to 99 miles	3.1	4.4	4.3
100 to 249 miles	5.4	3.7	3.5
250 to 499 miles	5.1	4.7	5.3
500 to 749 miles	6.5	6.2	6.2
750 to 999 miles	6.8	6.4	6.6
1,000 to 1,499 miles	7.5	8.7	8.8
1,500 to 1,999 miles	8.8	7.9	7.9
2,000 miles or more	15.2	15.1	20.0
SCTG 29, Printed products	12.4	4.7	6.1
Less than 50 miles	4.4	7.3	6.9
50 to 99 miles	6.4	6.4	7.6
100 to 249 miles	37.8	9.2	10.8
250 to 499 miles	11.9	5.9	6.5
500 to 749 miles	11.0	8.3	8.3
750 to 999 miles	11.0	10.0	10.6
1,000 to 1,499 miles	9.4	23.1	22.6
1,500 to 1,999 miles	14.9	11.4	11.2
2,000 miles or more	29.8	21.3	20.8
SCTG 30, Textiles, leather, and articles of textiles or leather	5.9	4.6	5.0
Less than 50 miles	7.8	6.3	6.2
50 to 99 miles	31.4	5.8	5.6
100 to 249 miles	9.4	6.6	6.9
250 to 499 miles	8.3	9.1	8.4
500 to 749 miles	4.9	7.8	7.6
750 to 999 miles	7.7	6.8	6.7
1,000 to 1,499 miles	6.2	8.1	8.4
1,500 to 1,999 miles	9.6	13.1	13.6
2,000 miles or more	8.6	5.5	5.7
SCTG 31, Nonmetallic mineral products	2.4	9.9	4.9
Less than 50 miles	3.6	13.1	15.4
50 to 99 miles	4.3	5.7	5.3
100 to 249 miles	4.6	4.8	5.0
250 to 499 miles	3.3	5.9	6.4
500 to 749 miles	4.7	6.6	6.9
750 to 999 miles	6.3	7.2	8.1
1,000 to 1,499 miles	6.5	15.5	15.8
1,500 to 1,999 miles	12.6	15.7	15.9
2,000 miles or more	7.9	13.7	13.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2.8	5.4	4.5
Less than 50 miles	3.1	10.2	5.0
50 to 99 miles	4.3	8.9	7.5
100 to 249 miles	3.4	5.0	6.1
250 to 499 miles	7.4	6.6	7.1
500 to 749 miles	6.0	6.3	6.5
750 to 999 miles	6.2	17.5	16.9
1,000 to 1,499 miles	9.4	10.7	11.7
1,500 to 1,999 miles	9.3	12.9	13.7
2,000 miles or more	13.8	13.3	13.7

See footnotes at end of table.

Table B-8. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	2.3	6.1	9.3
Less than 50 miles	2.9	4.5	6.8
50 to 99 miles	5.2	8.6	8.9
100 to 249 miles	3.2	6.5	7.6
250 to 499 miles	4.7	7.3	7.6
500 to 749 miles	5.6	12.4	12.3
750 to 999 miles	4.1	28.1	28.6
1,000 to 1,499 miles	4.2	12.2	12.7
1,500 to 1,999 miles	13.5	11.5	13.0
2,000 miles or more	7.3	12.1	11.9
SCTG 34, Machinery	1.9	3.5	6.3
Less than 50 miles	3.3	4.9	7.0
50 to 99 miles	4.6	9.9	10.3
100 to 249 miles	4.6	6.4	5.7
250 to 499 miles	6.0	4.5	4.7
500 to 749 miles	3.0	3.5	3.5
750 to 999 miles	4.5	6.4	7.2
1,000 to 1,499 miles	5.8	11.8	11.2
1,500 to 1,999 miles	7.5	12.8	13.7
2,000 miles or more	10.1	22.5	21.9
SCTG 35, Electronic and other electrical equipment and components and office equipment	3.4	3.6	7.0
Less than 50 miles	5.6	6.7	9.0
50 to 99 miles	11.2	6.0	7.4
100 to 249 miles	9.1	8.4	8.6
250 to 499 miles	7.5	5.5	5.4
500 to 749 miles	5.1	5.4	5.4
750 to 999 miles	4.5	7.4	7.6
1,000 to 1,499 miles	7.1	7.6	7.7
1,500 to 1,999 miles	7.4	8.3	8.1
2,000 miles or more	9.4	23.8	24.4
SCTG 36, Motorized and other vehicles (including parts)	3.3	4.7	3.8
Less than 50 miles	5.0	7.7	6.5
50 to 99 miles	6.7	6.1	5.7
100 to 249 miles	5.0	11.0	12.4
250 to 499 miles	5.3	6.3	6.8
500 to 749 miles	5.7	6.7	6.6
750 to 999 miles	7.0	12.0	11.7
1,000 to 1,499 miles	6.9	5.5	6.1
1,500 to 1,999 miles	8.9	8.1	8.0
2,000 miles or more	11.5	10.6	10.4
SCTG 37, Transportation equipment, n.e.c.	14.5	10.2	16.0
Less than 50 miles	32.3	13.3	24.4
50 to 99 miles	17.2	15.5	20.3
100 to 249 miles	16.3	14.7	16.8
250 to 499 miles	8.9	16.5	17.7
500 to 749 miles	10.3	17.2	19.7
750 to 999 miles	28.1	14.8	15.1
1,000 to 1,499 miles	23.1	20.4	23.9
1,500 to 1,999 miles	20.7	S	S
2,000 miles or more	30.9	21.8	31.1
SCTG 38, Precision instruments and apparatus	6.4	7.4	7.3
Less than 50 miles	5.7	10.3	14.7
50 to 99 miles	9.4	25.8	25.7
100 to 249 miles	5.5	11.5	10.5
250 to 499 miles	6.1	12.3	10.5
500 to 749 miles	8.7	16.4	15.8
750 to 999 miles	11.7	10.3	10.0
1,000 to 1,499 miles	18.0	11.2	11.1
1,500 to 1,999 miles	6.4	10.8	10.4
2,000 miles or more	9.2	19.9	18.8
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	6.0	7.8
Less than 50 miles	5.9	9.2	11.0
50 to 99 miles	10.3	9.3	8.7
100 to 249 miles	12.4	9.6	7.9
250 to 499 miles	11.8	7.4	7.8
500 to 749 miles	5.4	7.2	6.9
750 to 999 miles	6.5	9.4	9.7
1,000 to 1,499 miles	7.8	11.6	11.6
1,500 to 1,999 miles	10.7	17.9	19.0
2,000 miles or more	8.0	13.6	14.0
SCTG 40, Miscellaneous manufactured products	6.2	20.1	9.2
Less than 50 miles	5.4	44.6	10.5
50 to 99 miles	24.3	14.8	14.0
100 to 249 miles	12.3	7.1	6.8
250 to 499 miles	6.4	5.7	5.5
500 to 749 miles	3.4	5.8	5.7
750 to 999 miles	5.7	15.2	17.2
1,000 to 1,499 miles	7.1	13.5	14.0
1,500 to 1,999 miles	8.6	21.6	22.3
2,000 miles or more	3.9	18.4	17.9

See footnotes at end of table.

Table B-8. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Distance Shipped for the United States: 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	5.1	5.2	6.2
Less than 50 miles	6.3	7.3	10.2
50 to 99 miles	7.5	9.0	9.1
100 to 249 miles	12.3	8.8	9.6
250 to 499 miles	7.8	10.5	10.3
500 to 749 miles	12.5	16.3	18.8
750 to 999 miles	27.9	22.9	29.5
1,000 to 1,499 miles	15.6	12.9	13.3
1,500 to 1,999 miles	22.3	18.7	17.6
2,000 miles or more	26.5	33.4	33.3
SCTG 43, Mixed freight	9.0	9.8	16.8
Less than 50 miles	9.3	11.6	13.0
50 to 99 miles	10.1	11.6	11.1
100 to 249 miles	11.4	10.8	11.8
250 to 499 miles	21.1	18.9	20.0
500 to 749 miles	15.7	36.9	36.4
750 to 999 miles	30.3	S	S
1,000 to 1,499 miles	17.7	34.7	37.6
1,500 to 1,999 miles	17.4	S	S
2,000 miles or more	42.0	30.0	30.1
Commodity unknown	7.9	27.5	28.9
Less than 50 miles	13.2	17.8	22.9
50 to 99 miles	17.6	43.3	44.9
100 to 249 miles	14.0	41.2	45.3
250 to 499 miles	12.2	S	S
500 to 749 miles	16.8	27.6	29.4
750 to 999 miles	8.5	18.6	19.1
1,000 to 1,499 miles	12.5	29.9	28.6
1,500 to 1,999 miles	15.5	25.7	28.8
2,000 miles or more	20.5	28.8	28.8

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

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

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

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

SCTG code, description, and shipment size	Value	Tons	Ton-miles
All commodities	1.0	1.8	2.6
Less than 50 lb	2.2	2.4	2.5
50 to 99 lb	1.7	1.9	2.9
100 to 499 lb	2.1	1.5	1.8
500 to 749 lb	1.9	1.4	4.5
750 to 999 lb	2.7	1.4	4.3
1,000 to 9,999 lb	2.2	1.6	2.7
10,000 to 49,999 lb	1.4	2.0	1.3
50,000 to 99,999 lb	4.4	3.2	3.2
100,000 lb or more	3.2	3.5	4.0
SCTG 01, Live animals and live fish	13.8	16.5	14.1
Less than 50 lb	S	S	49.8
50 to 99 lb	S	41.8	49.2
100 to 499 lb	S	S	S
500 to 749 lb	42.7	39.1	S
750 to 999 lb	44.0	33.6	S
1,000 to 9,999 lb	32.4	34.8	44.5
10,000 to 49,999 lb	18.0	21.1	15.1
50,000 to 99,999 lb	18.2	18.6	21.4
100,000 lb or more	20.5	25.9	20.0
SCTG 02, Cereal grains	7.4	6.0	8.3
Less than 50 lb	32.2	35.6	48.2
50 to 99 lb	32.7	25.6	30.6
100 to 499 lb	21.2	16.9	21.6
500 to 749 lb	24.0	19.6	20.3
750 to 999 lb	21.8	18.4	21.5
1,000 to 9,999 lb	25.6	10.2	21.5
10,000 to 49,999 lb	16.8	9.5	18.3
50,000 to 99,999 lb	7.7	8.1	7.7
100,000 lb or more	8.6	8.1	8.9
SCTG 03, Other agricultural products	5.3	5.9	8.1
Less than 50 lb	18.2	17.4	24.3
50 to 99 lb	14.9	13.9	40.4
100 to 499 lb	8.3	11.5	16.8
500 to 749 lb	9.4	12.0	9.7
750 to 999 lb	8.7	12.0	11.6
1,000 to 9,999 lb	6.4	11.0	20.7
10,000 to 49,999 lb	9.2	8.0	8.5
50,000 to 99,999 lb	6.5	7.5	7.3
100,000 lb or more	9.1	10.6	11.0
SCTG 04, Animal feed and products of animal origin, n.e.c.	4.5	2.8	4.3
Less than 50 lb	21.9	31.7	30.3
50 to 99 lb	34.4	31.7	43.2
100 to 499 lb	20.9	18.3	37.7
500 to 749 lb	18.5	16.5	23.3
750 to 999 lb	21.1	16.1	S
1,000 to 9,999 lb	8.9	8.8	11.6
10,000 to 49,999 lb	6.7	4.6	6.6
50,000 to 99,999 lb	3.6	5.8	6.9
100,000 lb or more	8.7	7.3	7.4
SCTG 05, Meat, fish, seafood, and their preparations	4.0	5.1	6.3
Less than 50 lb	14.6	13.6	16.6
50 to 99 lb	13.0	13.2	17.0
100 to 499 lb	5.9	7.1	5.5
500 to 749 lb	6.1	6.3	9.3
750 to 999 lb	6.8	7.1	5.4
1,000 to 9,999 lb	5.6	5.9	6.4
10,000 to 49,999 lb	4.8	6.3	6.8
50,000 to 99,999 lb	15.9	14.8	19.0
100,000 lb or more	12.4	11.5	20.3
SCTG 06, Milled grain products and preparations, and bakery products	4.3	3.6	5.8
Less than 50 lb	19.9	16.7	22.1
50 to 99 lb	14.5	19.1	13.9
100 to 499 lb	10.0	10.5	10.1
500 to 749 lb	12.5	7.7	11.1
750 to 999 lb	12.6	11.7	13.0
1,000 to 9,999 lb	9.0	8.5	9.9
10,000 to 49,999 lb	4.4	3.9	4.1
50,000 to 99,999 lb	12.3	11.5	11.5
100,000 lb or more	10.4	12.8	14.0
SCTG 07, Other prepared foodstuffs and fats and oils	3.1	3.4	3.7
Less than 50 lb	12.7	33.4	16.6
50 to 99 lb	10.3	11.4	11.7
100 to 499 lb	4.4	7.0	6.4
500 to 749 lb	4.9	5.8	6.0
750 to 999 lb	2.8	4.9	6.0
1,000 to 9,999 lb	3.6	4.8	3.5
10,000 to 49,999 lb	4.3	4.1	3.0
50,000 to 99,999 lb	6.4	7.3	10.5
100,000 lb or more	6.2	8.3	9.2

See footnotes at end of table.

Table B-9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	4.2	4.6	13.5
Less than 50 lb	13.8	13.5	S
50 to 99 lb	7.5	3.9	5.9
100 to 499 lb	3.5	2.4	3.3
500 to 749 lb	3.9	3.6	5.8
750 to 999 lb	3.4	3.1	6.5
1,000 to 9,999 lb	3.5	2.9	11.4
10,000 to 49,999 lb	9.2	8.6	8.9
50,000 to 99,999 lb	13.4	10.5	17.0
100,000 lb or more	15.8	22.3	28.6
SCTG 09, Tobacco products	12.8	22.2	20.7
Less than 50 lb	9.4	7.2	28.1
50 to 99 lb	7.2	7.5	15.8
100 to 499 lb	6.2	5.8	10.0
500 to 749 lb	9.2	8.3	16.3
750 to 999 lb	15.7	14.2	19.8
1,000 to 9,999 lb	12.1	18.6	17.5
10,000 to 49,999 lb	22.1	32.5	24.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	43.3	S
SCTG 10, Monumental or building stone	15.0	17.4	16.9
Less than 50 lb	43.8	28.6	45.9
50 to 99 lb	31.2	26.9	28.4
100 to 499 lb	45.2	S	42.0
500 to 749 lb	S	27.4	27.7
750 to 999 lb	28.2	22.8	27.2
1,000 to 9,999 lb	38.4	31.7	16.8
10,000 to 49,999 lb	16.4	18.8	19.2
50,000 to 99,999 lb	29.5	30.9	23.6
100,000 lb or more	39.2	33.9	33.7
SCTG 11, Natural sands	10.1	10.8	9.9
Less than 50 lb	S	S	S
50 to 99 lb	27.0	26.3	49.9
100 to 499 lb	27.4	14.0	24.8
500 to 749 lb	34.7	22.2	28.7
750 to 999 lb	39.0	19.7	35.2
1,000 to 9,999 lb	19.0	11.8	24.4
10,000 to 49,999 lb	15.7	14.6	15.1
50,000 to 99,999 lb	9.1	15.0	16.7
100,000 lb or more	13.3	17.0	15.2
SCTG 12, Gravel and crushed stone	3.8	3.8	5.8
Less than 50 lb	S	S	29.9
50 to 99 lb	S	46.0	S
100 to 499 lb	S	29.1	S
500 to 749 lb	S	28.9	41.8
750 to 999 lb	28.2	20.0	19.4
1,000 to 9,999 lb	26.1	8.4	9.5
10,000 to 49,999 lb	4.7	5.1	8.6
50,000 to 99,999 lb	9.3	10.7	8.6
100,000 lb or more	9.1	10.3	11.1
SCTG 13, Nonmetallic minerals n.e.c.	13.3	12.0	13.6
Less than 50 lb	18.5	12.6	28.9
50 to 99 lb	44.9	24.3	S
100 to 499 lb	20.3	18.9	25.3
500 to 749 lb	42.2	35.5	34.3
750 to 999 lb	31.2	35.0	S
1,000 to 9,999 lb	13.5	14.6	13.4
10,000 to 49,999 lb	19.3	19.0	12.3
50,000 to 99,999 lb	17.2	14.5	21.7
100,000 lb or more	7.5	13.9	16.9
SCTG 14, Metallic ores and concentrates	8.1	13.7	21.5
Less than 50 lb	32.4	32.9	S
50 to 99 lb	47.5	30.4	49.9
100 to 499 lb	24.8	30.2	40.6
500 to 749 lb	S	34.1	24.2
750 to 999 lb	47.1	33.2	S
1,000 to 9,999 lb	22.5	16.5	20.7
10,000 to 49,999 lb	13.1	29.6	23.3
50,000 to 99,999 lb	26.6	23.7	43.2
100,000 lb or more	12.0	14.7	22.7
SCTG 15, Coal	4.6	4.4	9.5
Less than 50 lb	S	S	S
50 to 99 lb	S	S	S
100 to 499 lb	S	43.3	S
500 to 749 lb	S	S	S
750 to 999 lb	50.0	43.6	48.5
1,000 to 9,999 lb	S	19.2	21.6
10,000 to 49,999 lb	27.7	14.2	11.5
50,000 to 99,999 lb	20.7	19.4	23.1
100,000 lb or more	4.5	5.1	9.7

See footnotes at end of table.

Table B-9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	4.9	7.8	20.4
Less than 50 lb	24.1	22.7	40.0
50 to 99 lb	26.8	25.8	33.6
100 to 499 lb	38.8	14.5	14.7
500 to 749 lb	14.5	12.8	13.5
750 to 999 lb	14.8	12.6	15.5
1,000 to 9,999 lb	18.5	9.9	9.0
10,000 to 49,999 lb	6.5	8.0	10.4
50,000 to 99,999 lb	8.0	7.6	10.1
100,000 lb or more	8.1	15.1	26.1
SCTG 18, Fuel oils	4.5	5.9	13.4
Less than 50 lb	35.9	29.4	S
50 to 99 lb	32.2	19.6	43.5
100 to 499 lb	18.3	12.2	17.9
500 to 749 lb	13.7	11.7	14.9
750 to 999 lb	12.9	12.2	11.4
1,000 to 9,999 lb	7.8	6.2	7.4
10,000 to 49,999 lb	7.5	7.9	11.9
50,000 to 99,999 lb	6.2	6.0	8.9
100,000 lb or more	11.5	12.4	17.5
SCTG 19, Coal and petroleum products, n.e.c.	4.2	5.2	12.9
Less than 50 lb	12.3	10.0	27.8
50 to 99 lb	16.6	10.6	40.3
100 to 499 lb	10.0	10.0	25.2
500 to 749 lb	13.0	17.6	19.6
750 to 999 lb	9.7	11.0	35.0
1,000 to 9,999 lb	9.7	6.0	29.9
10,000 to 49,999 lb	6.1	9.2	12.5
50,000 to 99,999 lb	8.1	10.4	7.7
100,000 lb or more	9.4	8.8	17.8
SCTG 20, Basic chemicals	11.9	8.1	13.0
Less than 50 lb	6.6	8.7	13.0
50 to 99 lb	13.8	13.6	17.3
100 to 499 lb	8.4	16.3	10.9
500 to 749 lb	7.4	10.8	20.6
750 to 999 lb	14.1	12.8	14.6
1,000 to 9,999 lb	7.5	7.4	15.6
10,000 to 49,999 lb	15.1	11.0	18.8
50,000 to 99,999 lb	9.2	10.1	20.6
100,000 lb or more	15.8	9.2	12.5
SCTG 21, Pharmaceutical products	4.6	11.6	18.1
Less than 50 lb	7.4	7.3	9.1
50 to 99 lb	10.9	10.9	15.4
100 to 499 lb	7.6	5.4	12.3
500 to 749 lb	12.4	9.2	17.3
750 to 999 lb	25.3	11.4	12.4
1,000 to 9,999 lb	10.5	7.6	8.9
10,000 to 49,999 lb	12.5	21.4	28.6
50,000 to 99,999 lb	48.8	43.3	S
100,000 lb or more	44.2	S	48.1
SCTG 22, Fertilizers	8.0	8.9	9.7
Less than 50 lb	S	S	38.2
50 to 99 lb	31.7	19.1	30.0
100 to 499 lb	16.0	17.3	19.7
500 to 749 lb	13.8	15.7	13.3
750 to 999 lb	15.9	18.9	19.9
1,000 to 9,999 lb	11.3	11.6	12.0
10,000 to 49,999 lb	11.8	12.0	16.6
50,000 to 99,999 lb	14.0	15.2	11.7
100,000 lb or more	8.6	13.1	11.2
SCTG 23, Chemical products and preparations, n.e.c.	4.5	5.7	6.3
Less than 50 lb	5.3	6.8	8.0
50 to 99 lb	7.5	5.8	8.4
100 to 499 lb	11.0	9.2	4.8
500 to 749 lb	14.0	6.4	7.6
750 to 999 lb	11.9	10.1	7.7
1,000 to 9,999 lb	11.0	4.1	4.5
10,000 to 49,999 lb	5.8	6.6	6.7
50,000 to 99,999 lb	12.8	14.4	19.6
100,000 lb or more	20.5	12.3	15.1
SCTG 24, Plastics and rubber	2.1	6.7	4.7
Less than 50 lb	4.1	5.5	10.4
50 to 99 lb	2.9	3.9	5.6
100 to 499 lb	3.2	3.9	4.2
500 to 749 lb	3.2	3.5	5.2
750 to 999 lb	4.6	4.3	5.1
1,000 to 9,999 lb	2.6	3.4	3.1
10,000 to 49,999 lb	3.8	3.4	3.9
50,000 to 99,999 lb	17.8	18.5	16.1
100,000 lb or more	6.4	19.2	9.4

See footnotes at end of table.

Table B–9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	5.3	9.7	11.8
Less than 50 lb	S	S	S
50 to 99 lb	S	39.4	34.4
100 to 499 lb	32.3	37.1	44.0
500 to 749 lb	24.8	44.5	S
750 to 999 lb	29.3	41.1	32.1
1,000 to 9,999 lb	20.6	27.4	14.2
10,000 to 49,999 lb	9.1	10.7	13.4
50,000 to 99,999 lb	7.0	12.2	14.0
100,000 lb or more	24.9	29.8	28.7
SCTG 26, Wood products	3.8	7.3	8.4
Less than 50 lb	13.0	10.0	16.9
50 to 99 lb	6.3	9.4	41.9
100 to 499 lb	8.4	5.5	13.6
500 to 749 lb	6.1	5.9	14.7
750 to 999 lb	4.4	6.1	6.1
1,000 to 9,999 lb	3.9	10.8	4.2
10,000 to 49,999 lb	4.5	8.1	6.8
50,000 to 99,999 lb	4.7	12.5	6.5
100,000 lb or more	12.2	16.9	14.0
SCTG 27, Pulp, newsprint, paper, and paperboard	2.5	7.1	2.9
Less than 50 lb	9.0	10.0	14.0
50 to 99 lb	6.9	6.6	18.6
100 to 499 lb	6.7	7.0	13.2
500 to 749 lb	8.1	8.5	13.3
750 to 999 lb	9.7	9.7	13.7
1,000 to 9,999 lb	6.8	4.8	6.3
10,000 to 49,999 lb	3.9	2.9	3.8
50,000 to 99,999 lb	8.4	9.7	8.4
100,000 lb or more	3.4	19.2	5.1
SCTG 28, Paper or paperboard articles	3.0	6.8	3.7
Less than 50 lb	9.0	6.0	10.9
50 to 99 lb	7.4	7.7	14.1
100 to 499 lb	4.6	4.2	6.5
500 to 749 lb	8.2	7.5	10.6
750 to 999 lb	5.5	6.2	14.3
1,000 to 9,999 lb	5.5	4.2	8.7
10,000 to 49,999 lb	3.5	9.6	4.5
50,000 to 99,999 lb	11.1	14.1	22.5
100,000 lb or more	21.2	14.7	21.0
SCTG 29, Printed products	12.4	4.7	6.1
Less than 50 lb	8.2	10.7	14.1
50 to 99 lb	8.8	6.5	11.8
100 to 499 lb	18.4	7.2	18.1
500 to 749 lb	12.8	12.1	27.5
750 to 999 lb	29.4	13.6	40.1
1,000 to 9,999 lb	24.4	6.9	15.1
10,000 to 49,999 lb	3.4	7.1	5.9
50,000 to 99,999 lb	26.6	40.0	39.7
100,000 lb or more	38.0	43.8	32.9
SCTG 30, Textiles, leather, and articles of textiles or leather	5.9	4.6	5.0
Less than 50 lb	5.6	4.6	6.1
50 to 99 lb	8.1	8.7	13.6
100 to 499 lb	7.5	6.9	9.4
500 to 749 lb	5.3	5.6	7.2
750 to 999 lb	6.6	6.6	6.8
1,000 to 9,999 lb	16.0	4.4	5.4
10,000 to 49,999 lb	8.1	5.7	8.4
50,000 to 99,999 lb	39.9	34.4	22.9
100,000 lb or more	17.9	19.4	32.1
SCTG 31, Nonmetallic mineral products	2.4	9.9	4.9
Less than 50 lb	9.7	10.9	12.9
50 to 99 lb	8.2	7.8	16.3
100 to 499 lb	7.0	7.7	10.8
500 to 749 lb	6.6	8.6	8.4
750 to 999 lb	7.4	8.8	15.8
1,000 to 9,999 lb	7.6	8.6	5.5
10,000 to 49,999 lb	3.3	4.3	4.2
50,000 to 99,999 lb	3.0	5.9	5.4
100,000 lb or more	9.4	42.6	14.8
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2.8	5.4	4.5
Less than 50 lb	9.1	6.7	27.4
50 to 99 lb	6.5	6.4	11.3
100 to 499 lb	5.0	5.1	8.4
500 to 749 lb	4.9	5.2	7.5
750 to 999 lb	7.8	4.8	22.1
1,000 to 9,999 lb	3.0	4.6	3.3
10,000 to 49,999 lb	4.6	4.8	3.6
50,000 to 99,999 lb	5.2	12.3	6.5
100,000 lb or more	7.5	10.3	9.6

See footnotes at end of table.

Table B-9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	2.3	6.1	9.3
Less than 50 lb	4.9	4.9	13.7
50 to 99 lb	11.5	7.2	14.4
100 to 499 lb	5.8	4.4	8.3
500 to 749 lb	6.5	6.0	5.9
750 to 999 lb	5.7	5.3	7.1
1,000 to 9,999 lb	3.4	5.4	8.1
10,000 to 49,999 lb	3.4	11.2	18.1
50,000 to 99,999 lb	15.8	11.2	12.2
100,000 lb or more	13.1	12.6	14.0
SCTG 34, Machinery	1.9	3.5	6.3
Less than 50 lb	2.8	4.6	7.0
50 to 99 lb	3.6	5.6	6.1
100 to 499 lb	2.7	3.9	6.8
500 to 749 lb	8.2	12.5	37.4
750 to 999 lb	5.7	5.1	7.2
1,000 to 9,999 lb	2.6	2.6	3.6
10,000 to 49,999 lb	4.0	3.6	5.7
50,000 to 99,999 lb	14.5	17.6	17.6
100,000 lb or more	12.9	24.3	40.8
SCTG 35, Electronic and other electrical equipment and components and office equipment	3.4	3.6	7.0
Less than 50 lb	3.8	3.4	6.4
50 to 99 lb	6.2	6.1	7.2
100 to 499 lb	4.7	5.1	6.8
500 to 749 lb	6.5	6.1	8.8
750 to 999 lb	6.4	8.2	11.2
1,000 to 9,999 lb	8.3	6.9	18.0
10,000 to 49,999 lb	9.8	3.8	5.7
50,000 to 99,999 lb	20.4	27.7	32.7
100,000 lb or more	17.7	48.6	19.0
SCTG 36, Motorized and other vehicles (including parts)	3.3	4.7	3.8
Less than 50 lb	3.2	2.6	6.0
50 to 99 lb	5.6	5.9	8.0
100 to 499 lb	5.4	3.9	5.1
500 to 749 lb	6.4	6.9	9.5
750 to 999 lb	13.2	11.1	10.8
1,000 to 9,999 lb	6.5	4.8	6.5
10,000 to 49,999 lb	6.0	5.3	4.5
50,000 to 99,999 lb	16.2	8.6	12.2
100,000 lb or more	20.9	27.6	31.6
SCTG 37, Transportation equipment, n.e.c.	14.5	10.2	16.0
Less than 50 lb	8.5	12.2	14.2
50 to 99 lb	28.5	10.5	12.8
100 to 499 lb	11.0	12.0	19.4
500 to 749 lb	16.7	13.9	13.3
750 to 999 lb	24.1	17.1	33.1
1,000 to 9,999 lb	14.8	14.0	19.2
10,000 to 49,999 lb	16.3	16.0	29.0
50,000 to 99,999 lb	35.9	21.6	25.5
100,000 lb or more	33.8	15.5	20.3
SCTG 38, Precision instruments and apparatus	6.4	7.4	7.3
Less than 50 lb	10.3	9.0	11.9
50 to 99 lb	9.2	9.0	10.9
100 to 499 lb	6.7	7.6	12.6
500 to 749 lb	12.3	8.8	10.1
750 to 999 lb	11.6	9.9	12.8
1,000 to 9,999 lb	8.7	13.4	19.2
10,000 to 49,999 lb	10.4	21.6	14.6
50,000 to 99,999 lb	S	S	S
100,000 lb or more	S	S	S
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	6.0	7.8
Less than 50 lb	7.5	10.9	16.5
50 to 99 lb	8.1	7.5	13.9
100 to 499 lb	6.3	4.5	4.7
500 to 749 lb	5.9	5.2	4.5
750 to 999 lb	5.3	5.5	5.7
1,000 to 9,999 lb	8.8	7.5	6.3
10,000 to 49,999 lb	10.1	11.7	13.1
50,000 to 99,999 lb	26.0	36.5	S
100,000 lb or more	48.7	32.8	32.9
SCTG 40, Miscellaneous manufactured products	6.2	20.1	9.2
Less than 50 lb	7.4	5.7	8.0
50 to 99 lb	5.3	4.9	7.8
100 to 499 lb	4.8	4.6	4.4
500 to 749 lb	9.1	5.2	10.5
750 to 999 lb	4.9	4.3	4.6
1,000 to 9,999 lb	6.5	9.3	22.4
10,000 to 49,999 lb	20.1	8.4	7.6
50,000 to 99,999 lb	26.7	18.6	18.0
100,000 lb or more	16.8	S	38.5

See footnotes at end of table.

Table B-9. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size for the United States: 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	5.1	5.2	6.2
Less than 50 lb	S	S	S
50 to 99 lb	S	40.5	S
100 to 499 lb	46.5	32.6	37.1
500 to 749 lb	31.1	35.8	43.2
750 to 999 lb	27.5	29.5	29.8
1,000 to 9,999 lb	20.0	17.4	38.4
10,000 to 49,999 lb	5.5	6.5	7.2
50,000 to 99,999 lb	6.6	10.8	10.4
100,000 lb or more	6.9	6.1	10.3
SCTG 43, Mixed freight	9.0	9.8	16.8
Less than 50 lb	12.3	12.9	30.7
50 to 99 lb	9.6	8.9	15.7
100 to 499 lb	6.3	7.0	7.8
500 to 749 lb	5.9	7.7	10.0
750 to 999 lb	8.9	7.1	11.2
1,000 to 9,999 lb	7.5	5.0	8.5
10,000 to 49,999 lb	12.4	12.9	10.8
50,000 to 99,999 lb	S	49.9	S
100,000 lb or more	30.4	S	S
Commodity unknown	7.9	27.5	28.9
Less than 50 lb	9.4	12.5	15.8
50 to 99 lb	14.5	11.3	18.8
100 to 499 lb	17.7	12.9	14.6
500 to 749 lb	19.1	17.5	17.9
750 to 999 lb	11.5	14.7	14.6
1,000 to 9,999 lb	14.0	16.1	15.8
10,000 to 49,999 lb	15.3	14.8	16.2
50,000 to 99,999 lb	22.9	S	S
100,000 lb or more	24.7	28.3	27.9

— 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-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 1997

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

SCTG code, description, shipment size, and distance shipped	Total, all mileages				Less than 50 miles			50 to 99 miles		
	Value	Tons	Ton-miles	Average miles per shipment	Value	Tons	Ton-miles	Value	Tons	Ton-miles
All commodities	1.0	1.8	2.6	2.8	1.3	2.7	2.7	2.7	3.3	3.4
Less than 50 lb	2.2	2.4	2.5	3.2	2.1	4.7	5.1	7.5	3.3	3.4
50 to 99 lb	1.7	1.9	2.9	2.7	3.7	2.8	2.9	4.5	2.7	3.0
100 to 499 lb	2.1	1.5	1.8	2.2	1.6	2.2	2.0	5.2	2.6	2.8
500 to 749 lb	1.9	1.4	4.5	3.7	2.4	2.0	2.3	3.0	1.7	1.7
750 to 999 lb	2.7	1.4	4.3	4.1	2.0	2.0	2.1	3.9	2.8	2.8
1,000 to 9,999 lb	2.2	1.6	2.7	2.3	1.9	2.3	2.8	7.5	2.1	2.0
10,000 to 49,999 lb	1.4	2.0	1.3	1.8	2.4	2.9	3.9	5.3	3.9	3.7
50,000 to 99,999 lb	4.4	3.2	3.2	3.1	4.3	3.9	3.9	4.7	5.7	5.2
100,000 lb or more	3.2	3.5	4.0	6.3	6.7	6.5	6.2	6.4	8.3	7.9
SCTG 01, Live animals and live fish	13.8	16.5	14.1	22.8	16.4	30.1	25.2	45.3	41.0	42.6
Less than 50 lb	S	S	49.8	36.6	S	S	S	S	S	S
50 to 99 lb	S	41.8	49.2	39.7	S	43.6	S	S	S	S
100 to 499 lb	S	S	S	18.4	S	41.8	S	45.7	37.4	34.0
500 to 749 lb	42.7	39.1	S	25.9	41.3	S	41.3	40.1	37.7	35.9
750 to 999 lb	44.0	33.6	S	19.4	43.1	31.0	23.3	S	S	S
1,000 to 9,999 lb	32.4	34.8	44.5	29.2	36.2	21.8	24.3	38.6	36.7	37.3
10,000 to 49,999 lb	18.0	21.1	15.1	14.5	19.8	40.7	34.7	S	S	S
50,000 to 99,999 lb	18.2	18.6	21.4	13.7	34.5	37.7	35.1	S	S	S
100,000 lb or more	20.5	25.9	20.0	21.0	37.0	S	41.9	43.7	43.5	43.9
SCTG 02, Cereal grains	7.4	6.0	8.3	9.3	10.8	9.0	12.7	11.7	12.7	12.8
Less than 50 lb	32.2	35.6	48.2	42.4	33.2	44.5	29.0	S	S	S
50 to 99 lb	32.7	25.6	30.6	44.5	38.8	26.9	41.5	S	S	S
100 to 499 lb	21.2	16.9	21.6	25.7	22.9	18.2	19.5	S	22.6	22.6
500 to 749 lb	24.0	19.6	20.3	16.1	27.0	21.6	22.4	S	41.0	39.4
750 to 999 lb	21.8	18.4	21.5	S	26.8	21.0	26.8	45.6	41.8	42.4
1,000 to 9,999 lb	25.6	10.2	21.5	13.7	20.8	10.2	12.1	27.3	33.3	37.7
10,000 to 49,999 lb	16.8	9.5	18.3	10.3	10.9	12.1	13.9	17.0	20.5	18.6
50,000 to 99,999 lb	7.7	8.1	7.7	10.3	10.5	10.9	11.2	14.3	14.6	14.5
100,000 lb or more	8.6	8.1	8.9	7.2	18.9	16.6	26.2	20.7	24.4	24.1
SCTG 03, Other agricultural products	5.3	5.9	8.1	12.2	6.4	8.0	8.1	14.1	13.0	13.1
Less than 50 lb	18.2	17.4	24.3	13.7	26.2	25.4	22.2	22.8	20.4	22.5
50 to 99 lb	14.9	13.9	40.4	22.9	14.9	15.1	16.7	32.4	13.6	12.8
100 to 499 lb	8.3	11.5	16.8	17.7	10.0	11.8	10.9	13.8	14.0	14.0
500 to 749 lb	9.4	12.0	9.7	12.4	9.1	13.5	12.1	20.6	20.6	19.7
750 to 999 lb	8.7	12.0	11.6	19.5	12.3	15.3	12.3	31.8	24.2	24.7
1,000 to 9,999 lb	6.4	11.0	20.7	17.5	8.8	12.8	13.2	11.5	19.0	16.8
10,000 to 49,999 lb	9.2	8.0	8.5	6.8	10.6	9.5	10.8	27.3	20.6	21.2
50,000 to 99,999 lb	6.5	7.5	7.3	8.8	7.7	8.5	10.0	19.8	17.6	18.0
100,000 lb or more	9.1	10.6	11.0	11.0	24.1	25.7	21.1	22.3	22.5	22.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	4.5	2.8	4.3	28.9	5.2	4.7	6.8	15.0	6.4	6.4
Less than 50 lb	21.9	31.7	30.3	42.0	34.8	36.7	42.9	29.4	28.3	25.6
50 to 99 lb	34.4	31.7	43.2	S	42.8	33.3	41.2	37.4	22.4	22.3
100 to 499 lb	20.9	18.3	37.7	S	28.3	19.9	24.0	33.6	28.9	28.1
500 to 749 lb	18.5	16.5	23.3	36.9	21.3	18.1	17.4	34.2	20.4	19.0
750 to 999 lb	21.1	16.1	S	45.4	26.6	18.3	21.7	33.2	17.3	18.9
1,000 to 9,999 lb	8.9	8.8	11.6	13.6	11.0	11.3	11.5	16.3	13.2	13.7
10,000 to 49,999 lb	6.7	4.6	6.6	5.5	5.5	5.2	8.1	22.4	8.7	8.9
50,000 to 99,999 lb	3.6	5.8	6.9	7.7	7.3	8.5	10.5	8.8	11.0	9.1
100,000 lb or more	8.7	7.3	7.4	5.0	15.7	18.0	23.7	43.7	28.6	25.0
SCTG 05, Meat, fish, seafood, and their preparations	4.0	5.1	6.3	8.7	5.4	8.4	9.0	4.9	5.5	5.1
Less than 50 lb	14.6	13.6	16.6	25.0	15.5	13.9	14.6	25.5	24.4	24.8
50 to 99 lb	13.0	13.2	17.0	22.9	12.9	12.5	13.6	18.2	24.0	25.1
100 to 499 lb	5.9	7.1	5.5	10.8	7.6	8.7	7.4	8.0	8.2	8.1
500 to 749 lb	6.1	6.3	9.3	8.6	8.0	7.4	7.6	11.0	11.8	11.6
750 to 999 lb	6.8	7.1	5.4	5.8	9.0	8.0	8.6	11.4	12.3	12.9
1,000 to 9,999 lb	5.6	5.9	6.4	4.1	7.3	7.3	7.0	7.1	7.0	7.0
10,000 to 49,999 lb	4.8	6.3	6.8	3.4	6.8	15.1	15.6	8.0	8.5	7.6
50,000 to 99,999 lb	15.9	14.8	19.0	10.7	32.0	28.0	31.8	S	37.9	38.2
100,000 lb or more	12.4	11.5	20.3	14.1	21.3	18.4	42.4	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	4.3	3.6	5.8	18.8	5.6	6.9	10.9	6.5	5.6	5.7
Less than 50 lb	19.9	16.7	22.1	31.1	17.7	18.7	14.4	19.2	19.3	20.2
50 to 99 lb	14.5	19.1	13.9	14.7	16.7	21.6	17.6	13.8	17.7	17.3
100 to 499 lb	10.0	10.5	10.1	12.7	11.4	12.3	12.1	15.0	13.4	13.3
500 to 749 lb	12.5	7.7	11.1	10.9	9.5	9.0	12.1	20.4	11.2	11.3
750 to 999 lb	12.6	11.7	13.0	10.6	12.0	13.1	9.5	18.6	19.8	19.7
1,000 to 9,999 lb	9.0	8.5	9.9	6.2	9.5	10.3	9.7	8.6	10.7	11.0
10,000 to 49,999 lb	4.4	3.9	4.1	3.4	6.5	9.6	16.5	9.8	7.8	8.0
50,000 to 99,999 lb	12.3	11.5	11.5	11.4	23.0	17.6	28.2	27.4	14.7	14.6
100,000 lb or more	10.4	12.8	14.0	3.9	28.1	29.1	30.7	28.3	22.8	20.9

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 United States: 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	3.1	3.4	3.7	14.4	3.6	5.3	6.5	7.6	5.1	5.2
Less than 50 lb	12.7	33.4	16.6	19.8	12.9	39.1	33.6	19.2	15.5	15.1
50 to 99 lb	10.3	11.4	11.7	10.2	9.5	12.4	12.5	21.5	19.6	21.8
100 to 499 lb	4.4	7.0	6.4	8.1	5.1	8.0	6.3	9.9	11.6	11.5
500 to 749 lb	4.9	5.8	6.0	6.5	5.7	6.8	8.7	8.8	9.8	9.8
750 to 999 lb	2.8	4.9	6.0	9.7	5.4	6.4	7.2	7.2	11.5	10.8
1,000 to 9,999 lb	3.6	4.8	3.5	6.2	5.6	5.9	6.5	5.1	7.3	7.2
10,000 to 49,999 lb	4.3	4.1	3.0	3.0	4.6	6.9	8.5	11.2	7.1	7.4
50,000 to 99,999 lb	6.4	7.3	10.5	6.0	10.9	9.0	9.0	12.4	12.9	11.6
100,000 lb or more	6.2	8.3	9.2	3.8	18.5	27.2	36.3	15.1	20.0	19.6
SCTG 08, Alcoholic beverages	4.2	4.6	13.5	19.5	2.7	2.4	2.9	7.1	9.3	9.6
Less than 50 lb	13.8	13.5	S	28.8	12.3	11.7	9.1	20.2	11.4	12.4
50 to 99 lb	7.5	3.9	5.9	5.6	8.7	4.6	5.3	7.5	6.5	6.5
100 to 499 lb	3.5	2.4	3.3	3.5	3.7	2.5	3.2	9.7	6.7	7.1
500 to 749 lb	3.9	3.6	5.8	3.4	3.5	3.6	4.6	9.3	8.3	9.1
750 to 999 lb	3.4	3.1	6.5	5.0	3.1	3.2	3.9	12.6	10.5	10.9
1,000 to 9,999 lb	3.5	2.9	11.4	9.3	3.2	2.8	3.9	8.5	7.7	9.0
10,000 to 49,999 lb	9.2	8.6	8.9	7.6	7.9	7.9	8.2	14.8	14.1	13.9
50,000 to 99,999 lb	13.4	10.5	17.0	27.6	38.2	20.2	32.0	23.3	24.0	25.1
100,000 lb or more	15.8	22.3	28.6	12.0	S	30.5	34.2	S	S	S
SCTG 09, Tobacco products	12.8	22.2	20.7	19.6	17.2	34.6	36.2	10.4	19.2	16.7
Less than 50 lb	9.4	7.2	28.1	19.9	8.5	8.6	9.0	12.8	11.9	11.2
50 to 99 lb	7.2	7.5	15.8	19.8	7.8	8.4	8.7	14.8	12.6	12.8
100 to 499 lb	6.2	5.8	10.0	7.2	5.6	5.4	5.7	12.4	9.5	9.5
500 to 749 lb	9.2	8.3	16.3	10.0	11.5	9.3	10.8	17.0	13.0	13.5
750 to 999 lb	15.7	14.2	19.8	25.1	21.8	18.0	18.3	27.5	18.7	18.3
1,000 to 9,999 lb	12.1	18.6	17.5	13.5	18.7	30.3	32.7	25.2	23.4	23.5
10,000 to 49,999 lb	22.1	32.5	24.6	41.4	39.6	47.9	48.3	34.5	41.8	36.5
50,000 to 99,999 lb	S	S	S	25.8	S	S	S	-	-	-
100,000 lb or more	S	43.3	S	36.1	S	S	S	-	-	-
SCTG 10, Monumental or building stone	15.0	17.4	16.9	37.5	27.9	22.6	23.2	38.4	24.0	23.4
Less than 50 lb	43.8	28.6	45.9	25.4	47.1	33.2	42.4	S	S	S
50 to 99 lb	31.2	28.9	28.4	27.4	34.8	31.6	31.9	S	S	S
100 to 499 lb	45.2	S	42.0	S	S	S	S	S	S	S
500 to 749 lb	S	27.4	27.7	41.3	S	35.5	37.9	S	47.8	47.2
750 to 999 lb	28.2	22.8	27.2	S	37.0	28.2	37.1	S	S	S
1,000 to 9,999 lb	38.4	31.7	16.8	35.7	S	40.1	S	39.0	36.9	34.3
10,000 to 49,999 lb	16.4	18.8	19.2	33.1	22.2	25.6	22.6	41.5	27.0	26.4
50,000 to 99,999 lb	29.5	30.9	23.6	S	47.1	34.9	39.9	36.1	38.5	41.1
100,000 lb or more	39.2	33.9	33.7	S	47.7	36.7	37.2	S	S	S
SCTG 11, Natural sands	10.1	10.8	9.9	8.9	11.4	10.8	13.5	16.6	26.0	25.3
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	27.0	26.3	49.9	45.8	34.5	30.8	34.6	S	S	S
100 to 499 lb	27.4	14.0	24.8	24.0	41.4	15.4	22.0	36.3	28.3	28.0
500 to 749 lb	34.7	22.2	28.7	27.4	41.9	25.8	29.7	S	S	S
750 to 999 lb	39.0	19.7	35.2	S	29.4	22.9	25.4	S	S	S
1,000 to 9,999 lb	19.0	11.8	24.4	15.8	28.2	11.2	16.7	26.8	37.5	38.1
10,000 to 49,999 lb	15.7	14.6	15.1	12.2	15.8	15.9	19.2	32.5	19.2	18.0
50,000 to 99,999 lb	9.1	15.0	16.7	5.8	10.5	12.5	14.0	18.5	41.4	41.1
100,000 lb or more	13.3	17.0	15.2	20.3	19.1	21.4	30.1	28.9	30.5	31.3
SCTG 12, Gravel and crushed stone	3.8	3.8	5.8	6.6	4.2	4.4	6.6	7.9	8.2	8.3
Less than 50 lb	S	S	29.9	S	S	S	39.4	-	-	-
50 to 99 lb	S	46.0	S	S	S	47.0	S	S	S	S
100 to 499 lb	S	29.1	S	21.5	S	26.3	41.9	41.2	S	S
500 to 749 lb	S	28.9	41.8	S	S	29.8	34.1	S	S	S
750 to 999 lb	28.2	20.0	19.4	S	28.8	20.9	27.3	S	48.0	49.3
1,000 to 9,999 lb	26.1	8.4	9.5	10.9	29.4	8.9	12.4	30.0	29.3	28.1
10,000 to 49,999 lb	4.7	5.1	8.6	7.7	4.9	5.3	8.6	14.5	14.1	13.9
50,000 to 99,999 lb	9.3	10.7	8.6	6.1	9.9	11.1	8.9	12.7	13.8	13.4
100,000 lb or more	9.1	10.3	11.1	14.7	13.1	11.5	14.4	18.1	22.3	22.2
SCTG 13, Nonmetallic minerals n.e.c.	13.3	12.0	13.6	12.0	18.0	16.6	17.9	40.0	19.6	18.2
Less than 50 lb	18.5	12.6	28.9	15.7	22.9	17.0	22.5	40.7	S	49.9
50 to 99 lb	44.9	24.3	S	21.1	25.4	24.0	30.8	44.0	39.9	41.9
100 to 499 lb	20.3	18.9	25.3	25.9	24.9	19.8	27.9	23.9	43.9	S
500 to 749 lb	42.2	35.5	34.3	27.1	S	38.3	S	27.9	32.5	32.8
750 to 999 lb	31.2	35.0	S	38.2	45.4	49.0	26.8	S	S	S
1,000 to 9,999 lb	13.5	14.6	13.4	14.3	20.7	16.7	21.4	29.9	33.7	35.4
10,000 to 49,999 lb	19.3	19.0	12.3	17.7	21.2	23.8	27.5	S	16.7	17.5
50,000 to 99,999 lb	17.2	14.5	21.7	11.8	36.1	16.3	20.4	37.6	28.8	29.8
100,000 lb or more	7.5	13.9	16.9	9.9	16.1	21.5	20.5	25.2	35.1	28.5

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	8.1	13.7	21.5	10.8	14.4	20.9	33.8	22.2	32.4	32.2
Less than 50 lb	32.4	32.9	S	15.5	33.1	30.5	37.2	S	46.1	44.8
50 to 99 lb	47.5	30.4	49.9	45.6	S	37.2	31.2	S	43.5	48.7
100 to 499 lb	24.8	30.2	40.6	20.8	34.1	30.7	30.7	40.9	33.7	33.6
500 to 749 lb	S	34.1	24.2	S	41.7	S	S	48.5	32.1	32.1
750 to 999 lb	47.1	33.2	S	27.2	42.3	46.5	S	S	44.5	43.1
1,000 to 9,999 lb	22.5	16.5	20.7	35.9	28.5	25.3	28.1	43.0	48.5	S
10,000 to 49,999 lb	13.1	29.6	23.3	17.6	20.5	41.2	29.9	27.3	S	S
50,000 to 99,999 lb	26.6	23.7	43.2	S	22.4	37.2	39.3	45.2	S	S
100,000 lb or more	12.0	14.7	22.7	14.4	22.2	22.6	37.0	34.7	39.7	39.1
SCTG 15, Coal	4.6	4.4	9.5	13.8	9.3	8.0	7.9	8.8	8.9	14.6
Less than 50 lb	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	24.3	S	S	S	S	S	S
100 to 499 lb	S	43.3	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	18.2	S	42.1	43.9	S	S	S
750 to 999 lb	50.0	43.6	48.5	20.0	49.9	43.1	47.5	S	S	S
1,000 to 9,999 lb	S	19.2	21.6	15.5	S	18.9	16.2	S	S	S
10,000 to 49,999 lb	27.7	14.2	11.5	18.3	36.6	17.2	13.1	17.9	20.6	19.3
50,000 to 99,999 lb	20.7	19.4	23.1	23.8	25.2	24.4	21.4	24.0	34.9	33.5
100,000 lb or more	4.5	5.1	9.7	19.1	8.0	8.1	8.3	9.8	9.6	16.0
SCTG 17, Gasoline and aviation turbine fuel	4.9	7.8	20.4	7.7	5.9	8.2	6.1	10.0	11.6	10.7
Less than 50 lb	24.1	22.7	40.0	S	25.0	22.8	41.4	S	S	S
50 to 99 lb	26.8	25.8	33.6	21.7	28.4	25.9	34.9	S	S	S
100 to 499 lb	38.8	14.5	14.7	9.2	39.1	14.6	14.4	38.8	30.8	31.4
500 to 749 lb	14.5	12.8	13.5	8.9	15.2	13.1	12.5	S	46.3	46.4
750 to 999 lb	14.8	12.6	15.5	10.6	14.8	12.7	17.3	S	S	S
1,000 to 9,999 lb	18.5	9.9	9.0	7.1	20.3	11.0	13.3	16.5	15.2	15.3
10,000 to 49,999 lb	6.5	8.0	10.4	9.1	6.4	7.1	5.5	13.4	16.7	16.3
50,000 to 99,999 lb	8.0	7.6	10.1	10.1	8.2	7.0	8.5	11.6	14.6	13.7
100,000 lb or more	8.1	15.1	26.1	24.1	11.2	17.5	11.3	29.8	28.8	27.9
SCTG 18, Fuel oils	4.5	5.9	13.4	5.5	6.2	8.2	10.4	9.3	11.7	13.0
Less than 50 lb	35.9	29.4	S	20.5	37.8	22.1	38.8	S	S	S
50 to 99 lb	32.2	19.6	43.5	15.8	33.5	18.3	22.1	S	S	S
100 to 499 lb	18.3	12.2	17.9	9.2	18.5	12.3	18.8	S	32.4	35.5
500 to 749 lb	13.7	11.7	14.9	8.6	13.5	11.7	12.1	S	45.1	42.3
750 to 999 lb	12.9	12.2	11.4	9.7	13.1	12.2	11.4	28.9	42.5	38.3
1,000 to 9,999 lb	7.8	6.2	7.4	5.1	8.4	6.6	8.3	12.2	15.6	16.9
10,000 to 49,999 lb	7.5	7.9	11.9	7.0	7.0	7.3	10.1	18.1	21.0	22.8
50,000 to 99,999 lb	6.2	6.0	8.9	5.4	6.6	6.6	6.9	11.0	12.1	11.7
100,000 lb or more	11.5	12.4	17.5	15.7	16.2	17.5	26.5	21.2	25.5	26.5
SCTG 19, Coal and petroleum products, n.e.c.	4.2	5.2	12.9	19.6	5.2	5.9	12.7	7.4	10.3	17.8
Less than 50 lb	12.3	10.0	27.8	23.9	15.5	11.9	26.1	21.4	19.5	19.2
50 to 99 lb	16.6	10.6	40.3	28.4	16.0	11.8	9.7	21.8	23.1	23.0
100 to 499 lb	10.0	10.0	25.2	21.1	12.0	11.3	11.6	17.0	14.9	14.2
500 to 749 lb	13.0	17.6	19.6	26.9	15.7	19.7	22.0	20.7	20.7	21.3
750 to 999 lb	9.7	11.0	35.0	32.9	10.7	12.3	14.9	17.8	17.9	18.3
1,000 to 9,999 lb	9.7	6.0	29.9	25.8	8.7	6.4	8.8	14.5	15.8	15.4
10,000 to 49,999 lb	6.1	9.2	12.5	18.0	7.2	11.1	14.1	9.7	9.0	9.0
50,000 to 99,999 lb	8.1	10.4	7.7	11.8	11.0	14.3	20.5	20.7	11.3	10.9
100,000 lb or more	9.4	8.8	17.8	5.9	10.9	10.5	22.0	21.5	19.1	30.2
SCTG 20, Basic chemicals	11.9	8.1	13.0	11.0	10.2	6.0	7.5	6.3	8.9	10.0
Less than 50 lb	6.6	8.7	13.0	10.3	9.8	10.9	12.8	13.3	20.5	19.7
50 to 99 lb	13.8	13.6	17.3	18.0	27.1	16.1	18.0	18.0	21.9	18.6
100 to 499 lb	8.4	16.3	10.9	18.2	12.0	19.2	21.9	14.1	20.1	18.7
500 to 749 lb	7.4	10.8	20.6	16.5	6.9	12.6	16.2	15.0	13.1	12.2
750 to 999 lb	14.1	12.8	14.6	20.3	11.9	15.4	16.0	17.6	17.3	17.3
1,000 to 9,999 lb	7.5	7.4	15.6	10.6	6.4	9.5	8.1	9.1	7.9	7.8
10,000 to 49,999 lb	15.1	11.0	18.8	6.4	15.0	12.5	13.3	7.8	13.3	14.0
50,000 to 99,999 lb	9.2	10.1	20.6	14.4	16.4	13.7	18.3	19.9	23.1	27.9
100,000 lb or more	15.8	9.2	12.5	3.3	17.5	9.6	12.5	17.0	16.7	16.9
SCTG 21, Pharmaceutical products	4.6	11.6	18.1	5.0	9.2	20.4	12.9	8.0	10.5	11.4
Less than 50 lb	7.4	7.3	9.1	4.9	7.7	8.8	10.5	9.5	8.9	9.0
50 to 99 lb	10.9	10.9	15.4	13.9	11.0	9.2	8.6	17.7	16.4	18.5
100 to 499 lb	7.6	5.4	12.3	10.2	12.0	9.8	9.2	19.3	14.9	21.3
500 to 749 lb	12.4	9.2	17.3	9.6	18.2	14.1	16.0	22.2	15.2	15.1
750 to 999 lb	25.3	11.4	12.4	10.7	22.4	13.0	16.4	31.5	18.8	18.7
1,000 to 9,999 lb	10.5	7.6	8.9	6.7	12.9	10.7	11.7	20.0	20.1	20.2
10,000 to 49,999 lb	12.5	21.4	28.6	6.7	27.7	39.0	31.2	28.4	26.9	28.6
50,000 to 99,999 lb	48.8	43.3	S	26.3	S	S	49.0	S	S	S
100,000 lb or more	44.2	S	48.1	23.9	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 United States: 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	8.0	8.9	9.7	12.9	6.8	11.1	16.9	20.4	18.1	16.8
Less than 50 lb	S	S	38.2	24.9	S	S	S	S	S	S
50 to 99 lb	31.7	19.1	30.0	23.4	33.9	19.9	42.1	S	42.5	45.5
100 to 499 lb	16.0	17.3	19.7	14.5	17.0	18.7	17.5	S	S	S
500 to 749 lb	13.8	15.7	13.3	14.9	19.6	18.2	19.1	18.0	26.9	26.0
750 to 999 lb	15.9	18.9	19.9	23.6	22.9	22.9	25.2	29.0	27.0	25.2
1,000 to 9,999 lb	11.3	11.6	12.0	13.2	13.2	12.4	10.0	24.3	20.3	20.6
10,000 to 49,999 lb	11.8	12.0	16.6	9.8	12.1	9.9	16.3	22.2	20.8	19.4
50,000 to 99,999 lb	14.0	15.2	11.7	7.5	20.0	21.0	24.5	17.6	18.5	16.2
100,000 lb or more	8.6	13.1	11.2	5.3	11.8	20.8	26.5	32.1	22.8	25.7
SCTG 23, Chemical products and preparations, n.e.c.	4.5	5.7	6.3	6.2	4.6	8.0	6.8	7.0	7.5	7.4
Less than 50 lb	5.3	6.8	8.0	7.9	5.8	7.2	6.2	11.1	10.2	9.9
50 to 99 lb	7.5	5.8	8.4	7.5	8.0	8.4	7.6	16.8	12.9	12.6
100 to 499 lb	11.0	9.2	4.8	6.0	7.5	15.3	10.0	17.4	12.3	13.2
500 to 749 lb	14.0	6.4	7.6	5.3	18.6	8.7	8.0	16.9	9.3	9.4
750 to 999 lb	11.9	10.1	7.7	5.6	18.7	16.3	11.5	13.7	13.7	13.5
1,000 to 9,999 lb	11.0	4.1	4.5	3.7	6.3	7.2	7.6	10.2	5.8	5.8
10,000 to 49,999 lb	5.8	6.6	6.7	3.3	7.7	10.5	9.5	7.6	9.3	9.1
50,000 to 99,999 lb	12.8	14.4	19.6	9.3	27.0	21.2	22.0	20.2	14.8	15.8
100,000 lb or more	20.5	12.3	15.1	6.9	43.5	35.0	30.2	30.2	25.5	26.0
SCTG 24, Plastics and rubber	2.1	6.7	4.7	5.0	2.6	12.0	17.2	3.2	15.9	14.5
Less than 50 lb	4.1	5.5	10.4	6.0	4.9	3.9	3.8	6.4	5.1	5.0
50 to 99 lb	2.9	3.9	5.6	5.5	4.5	4.5	3.8	5.8	7.2	7.5
100 to 499 lb	3.2	3.9	4.2	4.2	5.0	5.9	4.9	6.0	5.7	5.4
500 to 749 lb	3.2	3.5	5.2	4.6	5.7	6.5	5.8	6.0	5.7	5.6
750 to 999 lb	4.6	4.3	5.1	3.5	6.8	6.7	6.0	10.9	10.0	10.1
1,000 to 9,999 lb	2.6	3.4	3.1	2.5	4.0	6.3	6.4	4.4	4.9	4.5
10,000 to 49,999 lb	3.8	3.4	3.9	2.5	6.6	11.2	10.6	5.5	6.5	6.6
50,000 to 99,999 lb	17.8	18.5	16.1	15.8	28.7	30.2	29.2	37.2	44.8	41.6
100,000 lb or more	6.4	19.2	9.4	6.3	17.7	37.3	46.6	29.9	39.4	37.7
SCTG 25, Logs and other wood in the rough	5.3	9.7	11.8	15.4	7.7	13.1	9.9	9.4	23.5	21.3
Less than 50 lb	S	S	S	21.3	S	49.6	S	S	S	S
50 to 99 lb	S	39.4	34.4	S	S	43.1	44.4	S	S	S
100 to 499 lb	32.3	37.1	44.0	24.4	45.2	37.0	S	S	S	S
500 to 749 lb	24.8	44.5	S	18.5	32.1	38.5	45.3	47.5	S	S
750 to 999 lb	29.3	41.1	32.1	S	35.0	46.5	49.3	47.6	49.5	S
1,000 to 9,999 lb	20.6	27.4	14.2	27.0	24.8	34.6	36.1	23.4	19.3	20.6
10,000 to 49,999 lb	9.1	10.7	13.4	5.6	12.7	12.4	14.5	13.4	26.5	24.6
50,000 to 99,999 lb	7.0	12.2	14.0	9.1	8.8	16.2	10.8	13.4	26.9	24.7
100,000 lb or more	24.9	29.8	28.7	S	42.2	45.9	S	32.5	32.8	34.0
SCTG 26, Wood products ..	3.8	7.3	8.4	7.3	3.2	9.4	8.1	3.5	11.1	11.3
Less than 50 lb	13.0	10.0	16.9	6.8	7.6	5.4	6.6	15.5	12.9	12.6
50 to 99 lb	6.3	9.4	41.9	16.6	8.9	6.2	9.4	12.0	11.2	11.4
100 to 499 lb	8.4	5.5	13.6	7.0	7.9	6.0	5.1	9.1	7.8	8.4
500 to 749 lb	6.1	5.9	14.7	11.1	9.0	7.1	7.6	11.2	9.7	9.5
750 to 999 lb	4.4	6.1	6.1	6.4	7.3	8.1	9.1	9.4	10.4	11.0
1,000 to 9,999 lb	3.9	10.8	4.2	5.6	5.3	16.3	22.8	5.3	4.1	4.1
10,000 to 49,999 lb	4.5	8.1	6.8	4.5	4.2	10.8	8.2	6.9	9.5	8.7
50,000 to 99,999 lb	4.7	12.5	6.5	6.0	7.4	15.4	16.0	6.4	23.6	24.0
100,000 lb or more	12.2	16.9	14.0	5.5	22.5	36.6	30.0	25.6	33.7	34.3
SCTG 27, Pulp, newsprint, paper, and paperboard	2.5	7.1	2.9	8.1	5.0	5.1	5.8	4.3	S	43.9
Less than 50 lb	9.0	10.0	14.0	17.7	9.5	14.0	13.3	11.8	10.3	11.1
50 to 99 lb	6.9	6.6	18.6	13.9	8.9	6.8	8.1	12.7	19.5	18.9
100 to 499 lb	6.7	7.0	13.2	10.3	8.0	8.2	10.8	10.7	7.2	7.2
500 to 749 lb	8.1	8.5	13.3	9.9	9.9	9.6	12.1	11.0	8.4	9.8
750 to 999 lb	9.7	9.7	13.7	13.1	11.9	10.3	9.1	18.2	14.6	13.8
1,000 to 9,999 lb	6.8	4.8	6.3	5.1	6.6	5.9	8.4	7.2	9.0	11.3
10,000 to 49,999 lb	3.9	2.9	3.8	2.2	11.1	6.2	8.4	6.3	6.3	6.3
50,000 to 99,999 lb	8.4	9.7	8.4	9.2	16.9	23.6	21.2	23.9	21.3	19.9
100,000 lb or more	3.4	19.2	5.1	7.7	12.5	12.2	13.2	15.6	S	S
SCTG 28, Paper or paperboard articles	3.0	6.8	3.7	6.0	4.7	14.9	17.9	3.1	4.4	4.3
Less than 50 lb	9.0	6.0	10.9	6.4	5.2	6.3	6.5	8.1	7.0	6.5
50 to 99 lb	7.4	7.7	14.1	8.3	8.8	8.4	8.0	16.9	14.1	13.9
100 to 499 lb	4.6	4.2	6.5	6.5	5.7	5.9	5.6	8.6	8.6	8.7
500 to 749 lb	8.2	7.5	10.6	7.7	7.7	9.6	10.3	8.5	8.6	8.4
750 to 999 lb	5.5	6.2	14.3	8.0	6.4	5.7	7.9	10.9	10.5	10.9
1,000 to 9,999 lb	5.5	4.2	8.7	6.5	8.5	6.0	6.5	4.2	6.2	6.9
10,000 to 49,999 lb	3.5	9.6	4.5	5.1	7.3	25.7	28.8	6.5	5.5	5.3
50,000 to 99,999 lb	11.1	14.1	22.5	8.3	17.0	15.5	21.7	38.2	31.0	38.1
100,000 lb or more	21.2	14.7	21.0	14.8	27.7	23.7	19.1	S	33.4	34.0

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	12.4	4.7	6.1	6.8	4.4	7.3	6.9	23.9	6.4	7.6
Less than 50 lb	8.2	10.7	14.1	7.2	6.8	11.8	15.0	15.2	16.8	17.4
50 to 99 lb	8.8	6.5	11.8	7.1	4.9	7.0	10.3	18.3	11.5	12.3
100 to 499 lb	18.4	7.2	18.1	9.1	5.6	6.8	6.8	46.6	24.7	27.0
500 to 749 lb	12.8	12.1	27.5	9.9	12.6	12.6	18.1	12.3	13.6	14.1
750 to 999 lb	29.4	13.6	40.1	17.6	21.8	13.8	10.1	17.4	13.6	12.9
1,000 to 9,999 lb	24.4	6.9	15.1	8.7	6.7	6.5	7.5	30.9	11.5	14.0
10,000 to 49,999 lb	3.4	7.1	5.9	5.7	7.3	12.8	9.4	14.8	7.6	8.0
50,000 to 99,999 lb	26.6	40.0	39.7	36.9	40.2	49.5	S	S	22.2	25.0
100,000 lb or more	38.0	43.8	32.9	S	46.8	S	30.4	40.7	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	5.9	4.6	5.0	3.3	7.8	6.3	6.2	31.4	5.8	5.6
Less than 50 lb	5.6	4.6	6.1	3.5	7.2	6.8	6.2	7.8	7.2	7.8
50 to 99 lb	8.1	8.7	13.6	5.1	8.4	9.1	7.0	20.7	14.0	11.9
100 to 499 lb	7.5	6.9	9.4	4.0	9.0	11.0	9.6	12.4	9.9	10.8
500 to 749 lb	5.3	5.6	7.2	5.4	7.9	13.0	11.4	10.0	12.0	14.7
750 to 999 lb	6.6	6.6	6.8	5.4	13.2	15.7	20.6	18.3	14.5	15.4
1,000 to 9,999 lb	16.0	4.4	5.4	4.5	17.4	7.9	7.5	S	16.7	17.7
10,000 to 49,999 lb	8.1	5.7	8.4	4.5	10.6	8.3	9.8	5.6	6.3	6.2
50,000 to 99,999 lb	39.9	34.4	22.9	20.3	S	44.6	35.4	39.8	39.8	41.4
100,000 lb or more	17.9	19.4	32.1	15.2	33.2	31.0	47.5	S	S	S
SCTG 31, Nonmetallic mineral products	2.4	9.9	4.9	12.2	3.6	13.1	15.4	4.3	5.7	5.3
Less than 50 lb	9.7	10.9	12.9	11.5	15.0	18.0	20.8	33.3	14.9	13.9
50 to 99 lb	8.2	7.8	16.3	10.1	10.3	8.5	9.8	18.1	18.6	17.8
100 to 499 lb	7.0	7.7	10.8	7.5	10.7	9.7	11.4	11.1	9.4	9.6
500 to 749 lb	6.6	8.6	8.4	11.5	11.1	12.4	16.9	26.1	10.9	10.7
750 to 999 lb	7.4	8.8	15.8	9.7	12.6	9.5	9.2	16.2	20.2	19.4
1,000 to 9,999 lb	7.6	8.6	5.5	6.8	7.7	10.5	8.2	6.6	5.8	6.1
10,000 to 49,999 lb	3.3	4.3	4.2	4.2	5.2	5.0	6.4	5.2	8.9	8.1
50,000 to 99,999 lb	3.0	5.9	5.4	5.2	4.9	10.0	8.1	6.3	5.0	4.9
100,000 lb or more	9.4	42.6	14.8	S	17.4	S	S	21.5	21.5	24.9
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	2.8	5.4	4.5	6.2	3.1	10.2	5.0	4.3	8.9	7.5
Less than 50 lb	9.1	6.7	27.4	11.0	6.5	5.6	6.6	16.3	9.8	9.8
50 to 99 lb	6.5	6.4	11.3	8.1	8.7	8.0	7.4	15.0	11.1	11.1
100 to 499 lb	5.0	5.1	8.4	7.0	5.5	6.6	6.8	6.6	7.8	8.0
500 to 749 lb	4.9	5.2	7.5	5.0	6.6	6.1	6.7	10.4	12.1	10.7
750 to 999 lb	7.8	4.8	22.1	14.1	9.6	6.0	6.4	12.3	11.1	10.6
1,000 to 9,999 lb	3.0	4.6	3.3	4.1	4.1	6.8	7.0	5.5	6.6	6.7
10,000 to 49,999 lb	4.6	4.8	3.6	3.2	4.4	9.8	6.2	4.7	5.5	5.7
50,000 to 99,999 lb	5.2	12.3	6.5	7.3	8.3	22.1	13.3	18.4	19.7	17.0
100,000 lb or more	7.5	10.3	9.6	6.0	22.5	24.6	18.7	14.7	40.0	30.8
SCTG 33, Articles of base metal	2.3	6.1	9.3	5.9	2.9	4.5	6.8	5.2	8.6	8.9
Less than 50 lb	4.9	4.9	13.7	7.4	7.5	6.1	7.0	6.1	4.6	4.2
50 to 99 lb	11.5	7.2	14.4	5.6	6.7	6.5	6.6	8.7	6.5	6.0
100 to 499 lb	5.8	4.4	8.3	4.8	5.0	4.3	4.0	6.5	6.7	6.6
500 to 749 lb	6.5	6.0	5.9	6.0	10.1	7.9	9.2	10.3	7.9	7.8
750 to 999 lb	5.7	5.3	7.1	5.4	9.9	7.3	9.2	10.3	10.8	10.1
1,000 to 9,999 lb	3.4	5.4	8.1	4.1	4.9	5.1	7.1	8.3	7.0	7.3
10,000 to 49,999 lb	3.4	11.2	18.1	5.1	5.0	9.8	13.4	10.8	9.2	9.6
50,000 to 99,999 lb	15.8	11.2	12.2	10.6	9.6	9.5	9.4	32.0	41.9	45.7
100,000 lb or more	13.1	12.6	14.0	7.8	23.5	16.1	13.0	31.6	29.9	28.4
SCTG 34, Machinery	1.9	3.5	6.3	4.1	3.3	4.9	7.0	4.6	9.9	10.3
Less than 50 lb	2.8	4.6	7.0	4.7	5.7	6.3	7.6	5.8	7.6	7.5
50 to 99 lb	3.6	5.6	6.1	6.0	7.7	8.9	9.9	8.7	8.0	8.0
100 to 499 lb	2.7	3.9	6.8	4.8	2.8	6.0	6.2	6.7	8.7	8.0
500 to 749 lb	8.2	12.5	37.4	10.4	9.4	8.2	10.9	10.9	6.7	6.2
750 to 999 lb	5.7	5.1	7.2	5.2	9.3	8.7	10.4	14.2	12.2	12.9
1,000 to 9,999 lb	2.6	2.6	3.6	2.9	4.9	5.8	9.0	9.0	4.9	5.3
10,000 to 49,999 lb	4.0	3.6	5.7	2.5	7.3	6.9	6.8	8.5	10.3	10.9
50,000 to 99,999 lb	14.5	17.6	17.6	13.1	23.9	26.4	30.4	44.5	S	S
100,000 lb or more	12.9	24.3	40.8	9.8	25.9	37.1	S	32.7	44.2	45.2
SCTG 35, Electronic and other electrical equipment and components and office equipment	3.4	3.6	7.0	4.2	5.6	6.7	9.0	11.2	6.0	7.4
Less than 50 lb	3.8	3.4	6.4	4.7	4.5	4.6	5.0	23.7	5.2	5.2
50 to 99 lb	6.2	6.1	7.2	4.4	12.1	6.2	5.5	11.1	8.3	7.8
100 to 499 lb	4.7	5.1	6.8	4.0	6.5	5.3	6.8	17.1	8.3	8.5
500 to 749 lb	6.5	6.1	8.8	5.3	13.5	7.2	7.8	13.3	12.2	12.4
750 to 999 lb	6.4	8.2	11.2	7.4	13.6	12.7	10.8	22.3	25.0	22.7
1,000 to 9,999 lb	8.3	6.9	18.0	8.2	8.9	7.4	9.3	23.2	15.6	18.4
10,000 to 49,999 lb	9.8	3.8	5.7	4.0	30.7	14.1	20.1	10.8	7.0	7.5
50,000 to 99,999 lb	20.4	27.7	32.7	11.0	26.5	24.7	48.2	46.4	46.2	45.0
100,000 lb or more	17.7	48.6	19.0	31.0	25.3	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 United States: 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)	3.3	4.7	3.8	4.3	5.0	7.7	6.5	6.7	6.1	5.7
Less than 50 lb	3.2	2.6	6.0	5.4	4.9	4.8	4.7	9.9	6.5	6.6
50 to 99 lb	5.6	5.9	8.0	6.5	6.8	8.8	11.1	9.2	8.0	7.7
100 to 499 lb	5.4	3.9	5.1	4.0	6.1	5.4	7.5	8.3	7.0	7.0
500 to 749 lb	6.4	6.9	9.5	4.3	10.3	6.5	7.4	15.8	10.2	10.0
750 to 999 lb	13.2	11.1	10.8	7.6	19.5	14.0	21.2	23.5	20.2	21.4
1,000 to 9,999 lb	6.5	4.8	6.5	4.7	10.8	9.4	6.5	10.2	8.0	7.7
10,000 to 49,999 lb	6.0	5.3	4.5	3.2	9.4	11.6	10.1	11.2	7.8	7.2
50,000 to 99,999 lb	16.2	8.6	12.2	10.1	25.5	25.1	25.2	22.4	18.8	19.2
100,000 lb or more	20.9	27.6	31.6	11.6	32.6	31.0	44.1	48.6	34.0	32.9
SCTG 37, Transportation equipment, n.e.c.	14.5	10.2	16.0	6.0	32.3	13.3	24.4	17.2	15.5	20.3
Less than 50 lb	8.5	12.2	14.2	6.3	8.7	17.6	17.0	20.5	20.7	21.5
50 to 99 lb	28.5	10.5	12.8	8.3	26.9	20.6	22.7	36.3	30.9	28.6
100 to 499 lb	11.0	12.0	19.4	9.0	19.0	25.0	27.0	42.2	16.9	16.4
500 to 749 lb	16.7	13.9	13.3	7.7	35.8	25.5	24.0	41.7	46.3	49.5
750 to 999 lb	24.1	17.1	33.1	10.1	30.2	31.4	25.4	S	49.3	49.8
1,000 to 9,999 lb	14.8	14.0	19.2	4.8	43.2	15.4	19.8	23.3	19.8	19.7
10,000 to 49,999 lb	16.3	16.0	29.0	7.8	17.3	22.3	36.5	29.7	27.9	30.7
50,000 to 99,999 lb	35.9	21.6	25.5	14.1	S	S	S	S	S	S
100,000 lb or more	33.8	15.5	20.3	15.3	S	21.0	31.2	S	S	S
SCTG 38, Precision instruments and apparatus	6.4	7.4	7.3	4.3	5.7	10.3	14.7	9.4	25.8	25.7
Less than 50 lb	10.3	9.0	11.9	4.5	5.6	12.3	14.4	8.7	12.0	13.0
50 to 99 lb	9.2	9.0	10.9	5.6	12.1	14.5	17.1	20.0	13.5	11.8
100 to 499 lb	6.7	7.6	12.6	6.5	11.2	9.5	10.1	17.1	14.1	13.1
500 to 749 lb	12.3	8.8	10.1	8.5	20.9	16.2	21.8	31.2	35.7	35.8
750 to 999 lb	11.6	9.9	12.8	8.5	28.6	19.5	27.9	24.6	32.4	35.7
1,000 to 9,999 lb	8.7	13.4	19.2	9.5	14.2	24.7	31.3	16.1	21.3	18.3
10,000 to 49,999 lb	10.4	21.6	14.6	9.7	25.7	24.6	25.2	32.3	S	S
50,000 to 99,999 lb	S	S	S	25.4	—	—	—	—	—	—
100,000 lb or more	S	S	S	21.3	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	4.9	6.0	7.8	4.9	5.9	9.2	11.0	10.3	9.3	8.7
Less than 50 lb	7.5	10.9	16.5	7.1	8.8	8.8	6.8	14.8	12.4	13.5
50 to 99 lb	8.1	7.5	13.9	7.6	8.7	9.1	7.2	20.2	12.2	11.5
100 to 499 lb	6.3	4.5	4.7	4.6	11.2	10.4	12.3	10.6	7.0	7.3
500 to 749 lb	5.9	5.2	4.5	5.4	13.1	13.4	15.7	11.1	9.6	9.5
750 to 999 lb	5.3	5.5	5.7	6.0	10.9	11.2	12.1	12.6	13.4	13.3
1,000 to 9,999 lb	8.8	7.5	6.3	3.6	10.2	14.2	20.9	19.8	14.1	12.9
10,000 to 49,999 lb	10.1	11.7	13.1	6.7	16.2	15.8	20.2	12.6	18.6	17.6
50,000 to 99,999 lb	26.0	36.5	S	18.7	46.3	S	S	46.6	S	S
100,000 lb or more	48.7	32.8	32.9	38.0	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	6.2	20.1	9.2	4.1	5.4	44.6	10.5	24.3	14.8	14.0
Less than 50 lb	7.4	5.7	8.0	4.2	7.4	6.0	5.2	7.4	6.8	7.4
50 to 99 lb	5.3	4.9	7.8	3.7	8.3	5.3	5.7	7.9	8.1	8.5
100 to 499 lb	4.8	4.6	4.4	3.1	5.9	6.4	8.0	6.2	7.6	7.8
500 to 749 lb	9.1	5.2	10.5	6.4	6.5	7.7	7.1	11.2	10.2	10.5
750 to 999 lb	4.9	4.3	4.6	4.2	8.5	7.5	8.7	8.2	8.1	7.6
1,000 to 9,999 lb	6.5	9.3	22.4	6.8	10.8	8.2	10.1	7.3	10.9	8.4
10,000 to 49,999 lb	20.1	8.4	7.6	6.7	15.1	18.2	13.0	47.9	23.4	21.8
50,000 to 99,999 lb	26.7	18.6	18.0	12.0	30.5	24.9	33.3	37.6	28.6	28.0
100,000 lb or more	16.8	S	38.5	S	22.4	S	43.3	S	49.8	44.8
SCTG 41, Waste and scrap	5.1	5.2	6.2	11.2	6.3	7.3	10.2	7.5	9.0	9.1
Less than 50 lb	S	S	S	17.1	S	39.0	S	S	S	S
50 to 99 lb	S	40.5	S	20.1	47.4	40.3	38.7	S	S	S
100 to 499 lb	46.5	32.6	37.1	19.6	39.5	32.4	44.7	S	S	S
500 to 749 lb	31.1	35.8	43.2	S	44.5	40.2	47.5	48.2	S	S
750 to 999 lb	27.5	29.5	29.8	S	40.5	35.1	S	S	S	S
1,000 to 9,999 lb	20.0	17.4	38.4	43.2	23.5	19.4	25.4	26.8	34.7	35.7
10,000 to 49,999 lb	5.5	6.5	7.2	7.5	6.1	8.6	12.5	8.9	10.4	10.2
50,000 to 99,999 lb	6.6	10.8	10.4	5.8	9.5	11.9	10.5	14.3	16.2	17.4
100,000 lb or more	6.9	6.1	10.3	3.8	15.1	14.0	18.7	10.4	14.4	13.5
SCTG 43, Mixed freight	9.0	9.8	16.8	11.3	9.3	11.6	13.0	10.1	11.6	11.1
Less than 50 lb	12.3	12.9	30.7	12.5	12.0	9.7	9.8	15.7	15.2	15.6
50 to 99 lb	9.6	8.9	15.7	15.5	12.6	9.3	10.1	17.6	16.5	16.2
100 to 499 lb	6.3	7.0	7.8	8.9	8.6	10.0	9.9	9.1	9.9	9.9
500 to 749 lb	5.9	7.7	10.0	6.8	7.2	10.4	8.8	10.6	11.1	11.7
750 to 999 lb	8.9	7.1	11.2	5.9	10.1	9.0	8.2	9.6	8.6	9.0
1,000 to 9,999 lb	7.5	5.0	8.5	3.8	10.4	6.4	7.4	8.1	6.0	5.9
10,000 to 49,999 lb	12.4	12.9	10.8	5.4	15.3	16.3	17.0	13.8	14.4	13.8
50,000 to 99,999 lb	S	49.9	S	26.7	45.4	S	S	44.2	48.1	47.8
100,000 lb or more	30.4	S	S	22.5	39.7	S	45.3	S	S	S

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	7.9	27.5	28.9	8.4	13.2	17.8	22.9	17.6	43.3	44.9
Less than 50 lb	9.4	12.5	15.8	8.6	17.1	19.2	17.4	20.5	18.8	18.5
50 to 99 lb	14.5	11.3	18.8	15.7	21.5	17.6	18.0	S	22.6	23.6
100 to 499 lb	17.7	12.9	14.6	11.7	34.7	12.9	15.4	17.8	23.8	25.7
500 to 749 lb	19.1	17.5	17.9	19.3	32.3	21.9	24.1	21.9	26.4	26.2
750 to 999 lb	11.5	14.7	14.6	12.0	19.4	19.4	22.6	39.9	36.5	39.3
1,000 to 9,999 lb	14.0	16.1	15.8	11.1	26.1	20.6	19.5	28.2	25.1	23.9
10,000 to 49,999 lb	15.3	14.8	16.2	14.8	20.9	19.7	21.7	21.1	21.5	20.9
50,000 to 99,999 lb	22.9	S	S	15.7	30.1	39.4	36.7	36.4	41.5	44.4
100,000 lb or more	24.7	28.3	27.9	17.9	34.6	26.0	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 United States: 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	2.1	2.1	2.7	1.7	3.9	4.1	1.6	4.1	4.2	1.8	5.2	5.2
Less than 50 lb	2.8	3.0	3.0	2.6	2.9	3.0	3.1	3.2	3.1	3.8	7.0	6.7
50 to 99 lb	4.6	2.7	2.9	4.4	3.3	3.2	5.1	4.6	4.5	4.0	5.7	5.6
100 to 499 lb	6.0	2.0	2.2	4.6	3.2	3.0	4.8	2.3	2.4	5.5	4.8	4.8
500 to 749 lb	5.0	2.9	3.1	4.3	3.1	3.1	7.7	4.7	4.7	8.4	4.2	4.2
750 to 999 lb	4.3	2.5	2.4	7.2	3.5	3.6	5.4	5.0	4.8	17.4	3.8	3.8
1,000 to 9,999 lb	5.3	1.9	2.1	4.3	1.8	2.0	3.5	2.1	2.2	3.5	3.4	3.4
10,000 to 49,999 lb	3.2	2.4	2.3	2.2	1.7	1.8	2.2	2.3	2.3	2.4	4.4	4.5
50,000 to 99,999 lb	5.0	2.5	3.2	11.3	15.0	11.9	13.6	10.6	11.2	16.4	7.9	7.9
100,000 lb or more	7.1	4.2	5.0	7.5	6.2	6.7	4.2	6.3	6.0	6.2	7.5	7.3
SCTG 01, Live animals and live fish	29.0	31.1	35.7	22.2	22.2	23.1	28.0	28.5	30.2	32.0	34.2	33.5
Less than 50 lb	48.2	32.1	32.9	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	36.5	33.7	47.2	32.7	32.6	S	S	S	S	S	S
500 to 749 lb	44.4	38.9	40.4	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	44.0	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	29.8	23.3	23.8	S	S	S	S	S	S
10,000 to 49,999 lb	29.9	32.1	35.3	26.5	26.5	26.8	30.7	29.7	31.5	40.8	39.3	38.9
50,000 to 99,999 lb	25.8	25.9	30.2	27.1	26.9	29.4	40.2	38.0	39.5	S	S	S
100,000 lb or more	42.4	S	47.6	38.8	37.0	38.5	36.9	41.6	42.0	S	S	S
SCTG 02, Cereal grains	8.9	8.9	9.8	12.4	12.4	12.4	12.0	17.5	18.0	14.9	15.5	14.4
Less than 50 lb	S	48.2	S	S	40.9	41.8	S	S	S	S	S	S
50 to 99 lb	S	43.3	47.1	S	45.0	45.4	S	S	S	S	S	S
100 to 499 lb	37.7	29.7	28.2	44.5	44.7	41.2	S	S	S	S	S	S
500 to 749 lb	45.2	48.1	46.5	49.6	37.5	35.7	S	S	S	S	S	S
750 to 999 lb	S	39.3	40.5	46.9	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	S	35.3	32.6	33.5	28.0	27.9	S	49.8	49.7	49.0	44.6	44.3
10,000 to 49,999 lb	36.4	15.2	15.0	21.0	35.5	35.9	27.6	19.2	18.8	33.6	37.3	35.5
50,000 to 99,999 lb	15.5	15.2	16.9	21.6	21.5	20.9	48.1	S	S	S	36.3	36.6
100,000 lb or more	12.2	12.5	13.5	14.7	14.4	13.9	13.9	18.2	18.6	16.4	15.8	14.7
SCTG 03, Other agricultural products	9.0	11.5	13.6	7.0	9.9	10.5	13.7	17.9	19.4	7.8	9.9	10.4
Less than 50 lb	27.1	26.3	26.5	40.0	48.8	45.2	34.7	35.2	34.5	30.4	37.9	37.4
50 to 99 lb	20.5	21.0	23.2	22.1	22.0	22.0	38.6	28.9	34.3	43.2	41.8	41.7
100 to 499 lb	16.7	25.8	24.2	23.9	15.3	15.0	S	43.2	48.5	19.6	16.7	16.6
500 to 749 lb	18.4	20.4	19.1	37.2	17.9	18.0	32.6	42.2	39.9	S	29.2	29.9
750 to 999 lb	22.7	17.1	18.6	33.5	29.4	27.6	S	27.4	26.8	34.7	39.8	40.7
1,000 to 9,999 lb	10.0	10.8	10.8	9.0	13.1	13.4	17.8	26.6	26.9	17.0	27.0	25.8
10,000 to 49,999 lb	13.1	13.2	13.2	8.0	14.7	15.2	10.1	16.0	16.1	12.5	13.0	12.8
50,000 to 99,999 lb	14.7	18.0	17.8	21.5	27.7	26.6	33.6	30.4	29.4	35.1	30.5	29.6
100,000 lb or more	20.9	27.3	33.9	13.8	17.5	17.6	21.3	21.2	22.1	11.0	11.6	12.1
SCTG 04, Animal feed and products of animal origin, n.e.c.	8.4	6.6	6.5	7.9	7.1	6.4	8.4	10.4	11.5	14.8	13.4	13.3
Less than 50 lb	49.0	24.2	21.3	34.7	29.7	30.2	35.0	37.6	35.9	48.3	S	S
50 to 99 lb	S	26.0	29.0	47.5	44.3	42.5	48.6	37.6	38.2	47.0	S	S
100 to 499 lb	25.5	25.9	28.7	37.1	42.8	42.6	S	34.7	33.9	30.6	37.4	35.9
500 to 749 lb	34.8	33.1	32.2	41.9	38.4	37.2	25.2	24.7	24.1	S	38.7	39.1
750 to 999 lb	26.6	23.0	21.8	26.3	27.6	26.9	42.0	43.8	45.3	S	S	S
1,000 to 9,999 lb	15.4	11.3	11.1	20.3	32.8	34.9	22.4	27.4	27.9	24.9	28.8	27.8
10,000 to 49,999 lb	12.0	9.7	9.3	9.8	9.9	10.0	7.8	13.8	13.9	13.6	14.8	14.5
50,000 to 99,999 lb	7.4	9.0	8.3	12.6	15.2	15.6	17.2	18.4	18.8	S	29.4	30.3
100,000 lb or more	16.5	16.4	14.7	12.0	13.8	12.0	20.4	18.0	19.7	19.8	17.1	17.2
SCTG 05, Meat, fish, seafood, and their preparations	4.7	4.3	4.3	5.3	6.5	6.4	5.4	5.6	5.8	6.8	7.1	7.2
Less than 50 lb	20.1	21.1	18.9	33.4	38.3	37.6	37.5	31.0	31.5	44.1	37.8	36.9
50 to 99 lb	17.9	21.0	17.8	S	S	S	S	36.9	36.9	S	46.8	48.3
100 to 499 lb	9.4	9.3	8.2	20.6	15.6	16.1	16.8	14.1	13.8	23.8	20.4	20.3
500 to 749 lb	11.2	14.0	13.8	19.6	17.8	17.9	17.1	16.6	18.1	25.4	28.6	30.2
750 to 999 lb	11.4	10.3	9.3	19.1	20.7	19.7	18.5	14.1	15.0	21.8	31.0	32.0
1,000 to 9,999 lb	7.9	7.6	7.9	6.5	7.7	7.8	10.2	9.6	9.9	11.9	9.7	9.8
10,000 to 49,999 lb	4.9	4.5	4.4	6.9	7.4	7.3	5.8	6.3	6.6	8.0	8.0	8.2
50,000 to 99,999 lb	44.8	32.6	38.1	36.9	31.6	33.4	31.7	26.8	27.0	S	S	S
100,000 lb or more	42.7	32.4	31.3	42.2	25.4	24.5	27.4	29.5	29.8	35.8	37.7	37.9
SCTG 06, Milled grain products and preparations, and bakery products	8.8	7.9	8.5	5.1	5.4	5.0	6.6	10.0	11.9	8.9	9.0	9.2
Less than 50 lb	33.3	36.3	36.2	S	49.2	48.5	S	46.5	46.4	S	47.5	48.8
50 to 99 lb	25.8	21.2	20.9	23.1	18.7	19.6	43.8	31.5	32.8	49.7	S	S
100 to 499 lb	17.0	14.3	14.8	26.9	20.1	20.2	30.1	47.3	49.4	21.9	23.0	22.7
500 to 749 lb	28.6	14.6	15.6	43.8	30.4	27.5	34.7	23.5	24.5	34.4	29.4	30.5
750 to 999 lb	29.5	16.9	19.0	20.6	19.6	19.9	24.1	21.1	21.2	32.1	30.4	29.7
1,000 to 9,999 lb	11.7	10.4	10.3	13.9	11.2	11.1	13.9	14.9	14.7	14.1	17.8	17.8
10,000 to 49,999 lb	12.0	8.0	6.6	4.9	6.8	6.5	6.7	5.6	5.8	11.1	9.0	9.1
50,000 to 99,999 lb	17.9	23.3	21.2	20.7	27.5	26.9	38.3	35.5	34.6	34.2	35.5	33.7
100,000 lb or more	17.1	20.3	23.8	11.2	12.2	11.3	19.0	22.1	24.3	18.7	17.6	17.5

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	7.1	4.4	4.3	3.3	4.8	5.3	4.6	6.0	6.5	4.8	7.6	7.7
Less than 50 lb	19.0	16.0	16.9	16.6	15.3	15.4	32.3	29.1	29.9	22.4	24.2	24.1
50 to 99 lb	18.5	20.7	19.1	22.1	14.1	14.5	25.2	33.7	34.7	30.5	30.2	29.2
100 to 499 lb	10.5	11.8	12.4	14.5	12.6	11.9	17.0	12.8	12.8	20.1	20.6	21.2
500 to 749 lb	10.3	17.1	19.5	18.1	10.5	11.2	22.2	12.9	12.7	42.8	31.3	32.1
750 to 999 lb	5.1	10.8	11.7	17.0	12.5	13.2	15.5	26.6	26.9	25.0	29.4	30.2
1,000 to 9,999 lb	6.5	5.3	5.4	10.7	6.8	6.6	9.2	7.9	8.1	10.4	8.9	9.1
10,000 to 49,999 lb	9.7	4.8	4.6	3.8	4.7	4.9	4.9	5.1	5.2	5.4	5.0	4.8
50,000 to 99,999 lb	14.6	17.0	17.3	16.0	15.0	15.9	19.0	23.1	22.9	27.9	19.3	19.0
100,000 lb or more	19.0	15.6	15.9	11.3	12.1	12.9	9.3	10.0	10.4	17.7	17.8	17.7
SCTG 08, Alcoholic beverages	15.0	11.6	11.9	10.9	11.8	11.4	15.3	18.2	21.2	19.5	20.3	22.0
Less than 50 lb	48.9	43.2	46.9	S	S	S	S	S	S	S	S	S
50 to 99 lb	21.1	20.7	22.5	43.5	41.1	42.4	40.9	34.5	33.9	S	S	S
100 to 499 lb	9.7	12.6	10.1	35.8	30.0	31.1	S	44.8	45.7	S	S	S
500 to 749 lb	18.7	13.4	12.0	40.2	32.4	34.2	S	38.8	36.4	S	S	S
750 to 999 lb	15.9	16.2	17.4	49.8	32.4	30.6	41.3	S	S	41.2	S	S
1,000 to 9,999 lb	13.6	16.6	16.2	29.4	25.3	26.4	42.1	35.4	33.7	35.9	32.9	32.7
10,000 to 49,999 lb	17.4	12.1	12.4	13.0	14.7	14.4	16.2	17.9	17.9	16.4	16.4	15.6
50,000 to 99,999 lb	23.1	17.2	16.8	22.5	20.3	21.1	S	S	S	45.1	49.4	S
100,000 lb or more	46.3	33.0	34.4	28.3	24.5	24.0	27.5	30.1	34.9	31.9	34.4	36.3
SCTG 09, Tobacco products	10.8	12.2	12.5	20.5	16.5	16.8	21.1	19.9	19.8	25.0	23.6	24.1
Less than 50 lb	17.6	12.8	13.0	20.9	23.5	25.5	42.0	36.8	36.5	44.3	36.6	36.6
50 to 99 lb	23.6	17.0	16.2	34.0	25.5	25.5	23.5	23.4	23.3	37.8	38.9	37.6
100 to 499 lb	16.4	15.4	16.8	19.2	18.7	18.2	19.5	16.9	16.8	21.9	23.9	24.2
500 to 749 lb	18.8	17.6	18.6	24.7	23.1	23.7	30.8	31.7	35.9	37.6	42.4	40.5
750 to 999 lb	29.7	27.2	24.9	32.0	27.2	28.4	S	S	S	S	S	S
1,000 to 9,999 lb	15.6	19.6	21.5	22.3	21.7	21.3	27.3	25.6	25.0	35.2	29.5	29.6
10,000 to 49,999 lb	31.6	19.0	17.0	24.7	19.8	19.9	26.3	25.0	25.0	32.0	32.5	33.0
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	34.1	24.9	23.1	24.6	21.6	20.3	24.8	16.9	17.1	34.8	26.6	26.7
Less than 50 lb	S	46.1	44.7	S	S	S	S	S	S	S	S	S
50 to 99 lb	37.7	46.7	44.4	S	S	S	46.7	49.7	47.0	S	S	S
100 to 499 lb	37.5	44.1	47.4	28.8	32.9	32.0	44.0	40.8	41.2	S	49.1	49.1
500 to 749 lb	44.5	39.0	38.8	26.8	27.2	27.4	S	45.2	43.6	S	S	S
750 to 999 lb	S	S	S	S	S	S	45.3	36.3	35.8	S	S	S
1,000 to 9,999 lb	23.3	23.3	24.0	29.0	20.1	21.0	34.1	26.7	25.7	28.9	29.4	29.0
10,000 to 49,999 lb	42.9	28.1	27.0	22.3	23.5	21.6	34.6	20.7	20.9	38.5	31.3	31.4
50,000 to 99,999 lb	29.4	36.7	36.7	S	S	S	43.1	38.1	38.7	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	43.2	43.0	S	S	S
SCTG 11, Natural sands	19.1	16.9	20.5	17.1	19.8	19.0	26.2	22.3	22.1	25.7	49.8	45.4
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	48.3	S	S	S	S	S	41.5	S	S	S	S	S
500 to 749 lb	S	S	S	47.8	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	24.5	42.5	40.0	45.5	S	S	S	S	S	S	45.5	43.1
10,000 to 49,999 lb	30.7	16.2	16.0	23.8	31.1	30.8	36.7	30.6	32.1	19.8	S	S
50,000 to 99,999 lb	10.9	17.9	17.8	19.0	22.5	22.0	S	33.5	31.5	S	S	S
100,000 lb or more	18.7	21.9	26.3	27.8	22.2	20.5	26.0	24.4	24.3	S	32.8	34.6
SCTG 12, Gravel and crushed stone	11.0	8.9	9.5	10.0	15.9	15.3	S	23.4	24.7	27.1	27.3	26.2
Less than 50 lb	S	S	S	—	—	—	—	—	—	S	S	S
50 to 99 lb	S	S	S	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	45.8	48.2	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	49.0	48.6	—	—	—	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	43.0	22.1	21.2	S	36.2	37.0	S	42.3	42.1	S	S	S
10,000 to 49,999 lb	16.7	12.1	13.8	20.4	25.0	31.4	34.7	26.8	26.4	42.4	36.8	36.2
50,000 to 99,999 lb	11.6	12.8	12.6	22.8	26.4	23.8	38.6	41.9	44.8	39.8	40.6	40.6
100,000 lb or more	11.4	13.2	12.7	13.8	18.6	16.7	23.6	25.6	26.5	33.8	47.7	47.9
SCTG 13, Nonmetallic minerals n.e.c.	24.2	12.4	14.3	17.8	16.0	16.0	11.4	32.1	38.8	8.5	13.8	14.8
Less than 50 lb	34.2	30.5	30.5	39.2	31.6	31.2	43.1	48.6	49.5	S	46.2	46.8
50 to 99 lb	38.6	S	S	S	41.8	40.9	37.4	S	S	S	S	S
100 to 499 lb	27.7	27.3	26.9	37.5	32.6	34.2	46.6	S	S	35.2	S	S
500 to 749 lb	43.1	S	S	S	S	S	S	S	S	S	42.1	42.2
750 to 999 lb	42.3	S	48.7	S	S	S	45.7	S	S	S	S	S
1,000 to 9,999 lb	24.0	23.1	23.6	19.6	24.1	24.1	22.9	31.8	36.3	31.9	25.6	24.8
10,000 to 49,999 lb	36.0	11.4	11.2	25.9	14.1	14.2	11.6	16.0	14.8	12.9	17.2	16.6
50,000 to 99,999 lb	18.1	19.4	19.5	18.6	13.2	13.6	27.8	34.8	33.6	46.1	28.8	30.5
100,000 lb or more	16.7	20.1	23.3	12.6	21.1	20.3	15.9	42.0	48.2	13.5	15.6	16.5

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	20.3	22.0	18.6	16.3	24.9	26.6	22.0	36.7	37.4	18.9	47.5	46.5
Less than 50 lb	S	S	S	S	34.6	36.9	47.5	S	S	S	S	S
50 to 99 lb	S	S	S	S	47.6	47.3	S	S	48.4	S	S	S
100 to 499 lb	S	38.6	39.4	S	S	S	44.5	36.5	37.1	S	S	S
500 to 749 lb	44.7	S	S	S	37.4	31.5	S	45.5	S	43.8	46.4	45.6
750 to 999 lb	S	S	S	45.2	S	S	36.8	34.6	34.9	S	S	S
1,000 to 9,999 lb	42.4	35.2	32.1	35.3	20.8	21.6	S	30.8	32.0	S	23.1	22.4
10,000 to 49,999 lb	23.0	S	S	22.9	36.2	36.2	17.0	27.0	26.4	27.4	17.6	17.6
50,000 to 99,999 lb	44.1	28.7	26.9	36.8	36.8	36.7	S	S	S	S	S	S
100,000 lb or more	30.6	26.6	23.5	17.7	25.9	27.3	28.7	37.3	37.9	33.4	48.8	47.5
SCTG 15, Coal	9.1	9.0	9.0	9.9	9.2	9.2	11.6	11.6	11.7	14.6	19.9	19.1
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	-	-	-
750 to 999 lb	S	S	S	S	S	S	-	-	-	-	-	-
1,000 to 9,999 lb	S	30.5	32.9	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	20.4	18.9	18.4	28.5	30.0	30.2	S	43.1	47.8	41.6	49.0	49.2
50,000 to 99,999 lb	33.3	24.0	26.3	30.5	33.4	37.0	S	S	S	-	-	-
100,000 lb or more	9.2	9.2	9.1	10.2	9.4	9.4	12.2	11.9	11.9	14.6	19.9	19.1
SCTG 17, Gasoline and aviation turbine fuel	10.0	12.0	12.0	20.4	22.7	19.0	26.8	39.0	40.5	28.3	37.5	37.1
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	43.2	S	S	S	S	-	-	-	S	S	S
500 to 749 lb	48.5	S	S	-	-	-	S	S	S	-	-	-
750 to 999 lb	S	48.9	45.9	-	-	-	-	-	-	-	-	-
1,000 to 9,999 lb	21.7	23.9	24.2	S	S	S	S	S	S	35.8	40.5	44.0
10,000 to 49,999 lb	15.4	16.9	16.6	31.3	29.2	27.9	44.5	S	S	40.0	47.8	48.6
50,000 to 99,999 lb	10.8	11.1	11.3	16.3	16.0	19.3	49.3	S	S	S	S	S
100,000 lb or more	19.5	20.8	20.9	25.7	27.1	23.7	29.2	40.9	42.2	31.0	37.6	37.2
SCTG 18, Fuel oils	12.6	10.3	11.5	23.9	25.7	S	29.2	27.7	26.4	35.4	38.6	36.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	-	-	-
50 to 99 lb	42.2	S	S	-	-	-	-	-	-	-	-	-
100 to 499 lb	34.2	34.6	36.6	S	S	S	-	-	-	-	-	-
500 to 749 lb	50.0	S	S	S	S	S	-	-	-	-	-	-
750 to 999 lb	S	S	S	S	S	S	-	-	-	-	-	-
1,000 to 9,999 lb	20.5	24.2	25.2	35.7	35.5	34.3	S	S	S	38.4	40.0	40.8
10,000 to 49,999 lb	14.4	15.3	14.5	27.0	32.0	32.9	S	S	S	43.7	45.6	47.5
50,000 to 99,999 lb	11.3	10.9	11.9	27.2	26.0	27.5	44.1	33.2	32.7	45.5	47.2	48.4
100,000 lb or more	17.2	14.3	15.0	35.0	34.4	S	32.0	29.4	27.9	40.6	44.6	43.1
SCTG 19, Coal and petroleum products, n.e.c.	7.1	9.9	11.2	10.6	10.8	11.8	17.5	19.2	22.3	13.2	15.2	17.0
Less than 50 lb	22.1	26.6	26.0	35.8	34.8	34.1	25.9	39.1	40.6	38.6	33.8	34.7
50 to 99 lb	33.2	24.2	24.2	41.0	34.3	35.1	S	S	S	S	37.7	40.2
100 to 499 lb	22.7	21.9	23.3	20.6	14.6	14.4	32.2	46.5	46.9	17.1	16.4	15.7
500 to 749 lb	19.3	14.9	15.0	35.0	48.6	42.4	35.8	30.8	28.5	S	S	S
750 to 999 lb	26.5	30.8	28.2	36.8	47.7	47.1	38.5	S	S	35.7	35.4	35.1
1,000 to 9,999 lb	34.3	31.7	33.8	19.3	21.5	25.0	19.7	22.0	23.4	41.8	29.9	29.9
10,000 to 49,999 lb	5.7	10.3	9.2	11.3	10.4	9.3	33.4	41.9	43.5	22.7	18.2	17.9
50,000 to 99,999 lb	14.2	13.7	12.8	21.0	19.8	18.3	32.6	27.5	26.2	S	S	S
100,000 lb or more	15.6	17.5	19.0	20.7	16.1	16.1	25.0	23.4	27.1	18.1	22.5	24.0
SCTG 20, Basic chemicals	6.7	9.8	11.1	26.6	23.2	19.7	5.4	9.1	10.6	8.4	15.5	17.2
Less than 50 lb	12.3	16.2	16.2	20.1	22.3	22.2	16.7	12.8	12.5	16.0	21.7	22.2
50 to 99 lb	16.7	18.2	17.5	24.1	18.7	18.6	35.3	26.4	26.6	28.5	25.7	24.8
100 to 499 lb	19.5	13.2	12.2	23.8	15.1	15.1	17.8	14.5	15.7	24.8	27.8	29.2
500 to 749 lb	22.5	14.1	16.8	18.2	19.4	20.5	24.0	23.9	25.0	28.9	24.5	24.7
750 to 999 lb	24.8	17.5	18.2	46.5	27.9	27.5	24.2	17.4	17.5	S	35.9	34.7
1,000 to 9,999 lb	33.6	11.3	11.4	14.3	13.1	12.2	9.1	10.3	10.5	21.8	23.2	24.5
10,000 to 49,999 lb	8.4	12.8	13.9	21.7	21.4	18.8	8.4	6.8	6.9	10.9	11.4	11.1
50,000 to 99,999 lb	24.1	14.5	16.1	23.3	13.1	13.9	27.3	21.9	21.7	36.6	30.2	28.2
100,000 lb or more	14.4	12.0	14.4	43.4	25.7	21.8	10.3	12.8	14.1	12.5	19.0	20.4
SCTG 21, Pharmaceutical products	7.8	10.0	9.3	11.2	20.9	22.5	9.5	28.0	27.8	17.7	22.8	21.4
Less than 50 lb	9.2	12.7	11.7	7.7	10.2	9.5	10.3	9.5	9.4	11.0	9.3	9.3
50 to 99 lb	19.7	24.0	23.4	13.5	14.3	14.9	17.8	25.7	23.9	15.4	12.2	11.6
100 to 499 lb	11.2	8.1	6.7	19.0	18.4	18.4	16.3	23.8	26.0	17.2	15.0	13.2
500 to 749 lb	21.9	12.9	13.4	25.8	15.8	17.5	S	37.1	34.8	S	42.5	43.4
750 to 999 lb	26.9	19.9	19.6	S	19.4	19.0	20.4	31.6	34.4	S	38.1	37.1
1,000 to 9,999 lb	27.0	14.0	12.2	28.1	14.6	13.7	14.1	15.5	16.3	22.5	13.4	13.2
10,000 to 49,999 lb	18.8	17.0	15.7	18.9	33.7	35.0	21.7	37.7	37.1	19.4	34.3	32.8
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 United States: 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	17.3	18.4	19.5	18.4	16.5	16.2	9.7	10.0	11.7	13.3	14.8	17.6
Less than 50 lb	41.3	40.2	40.8	S	43.9	44.6	47.8	S	S	S	S	S
50 to 99 lb	S	27.8	29.2	S	S	48.8	S	S	S	S	S	S
100 to 499 lb	23.5	19.3	19.5	37.8	32.7	30.1	45.5	38.9	40.0	S	S	S
500 to 749 lb	26.4	24.3	21.8	37.7	35.6	35.9	S	S	S	S	S	S
750 to 999 lb	46.1	S	47.3	42.4	37.2	37.2	S	S	S	S	S	S
1,000 to 9,999 lb	21.3	17.7	17.9	23.9	25.9	25.5	40.2	41.7	44.2	S	43.8	43.1
10,000 to 49,999 lb	17.8	18.7	17.9	21.0	23.9	23.7	22.0	24.9	24.2	16.2	19.3	18.7
50,000 to 99,999 lb	11.1	9.6	9.7	15.1	14.5	15.4	12.4	12.3	12.3	32.6	32.5	34.1
100,000 lb or more	31.0	30.6	30.5	24.3	18.8	17.9	13.4	12.9	14.6	15.9	16.2	19.0
SCTG 23, Chemical products and preparations, n.e.c.	8.7	7.3	7.5	4.1	6.3	6.6	9.6	5.2	5.1	7.3	7.5	7.7
Less than 50 lb	9.8	11.0	11.7	15.8	12.4	12.2	16.6	16.4	16.2	15.4	13.9	14.2
50 to 99 lb	12.7	11.2	10.8	10.5	12.9	12.9	24.8	13.9	13.2	18.0	16.4	17.2
100 to 499 lb	9.4	6.4	6.1	25.3	7.2	7.6	21.6	10.2	10.0	39.9	9.4	9.4
500 to 749 lb	17.8	11.4	12.9	19.3	10.6	10.1	18.1	10.5	10.4	22.4	14.3	14.9
750 to 999 lb	18.1	11.3	11.4	29.9	14.8	14.0	28.2	11.6	11.3	29.3	12.6	12.6
1,000 to 9,999 lb	20.7	8.4	9.1	10.3	6.1	5.6	32.8	6.1	6.2	21.4	7.8	7.9
10,000 to 49,999 lb	14.7	8.9	8.9	5.7	6.7	6.5	5.8	5.6	5.5	9.7	8.8	8.8
50,000 to 99,999 lb	29.2	20.6	19.7	25.2	22.3	22.2	26.8	35.9	38.5	S	S	S
100,000 lb or more	29.2	35.4	37.0	38.6	22.1	24.5	20.9	26.3	23.8	17.6	18.3	18.9
SCTG 24, Plastics and rubber	3.1	17.7	20.4	4.4	4.7	4.3	3.7	4.2	4.4	4.2	7.8	8.1
Less than 50 lb	6.9	7.8	8.8	10.8	10.2	10.6	6.2	8.8	8.9	16.4	36.6	34.7
50 to 99 lb	7.8	11.3	11.2	7.5	8.0	7.5	10.3	9.0	8.8	12.3	8.9	9.1
100 to 499 lb	4.6	4.6	4.6	5.2	4.6	4.6	5.9	5.8	5.9	8.8	7.9	7.9
500 to 749 lb	5.3	6.6	6.3	6.8	6.3	5.6	9.6	8.2	8.4	24.9	19.8	20.3
750 to 999 lb	6.2	7.4	8.3	9.4	10.9	10.8	11.9	11.4	12.0	13.0	8.6	8.7
1,000 to 9,999 lb	3.9	4.3	4.0	3.8	5.0	5.0	4.0	8.6	8.5	5.1	6.6	6.6
10,000 to 49,999 lb	4.1	4.9	5.0	7.4	5.4	4.9	5.9	4.2	4.3	6.4	8.5	8.9
50,000 to 99,999 lb	17.1	18.2	19.5	25.6	21.7	20.0	26.7	25.5	24.8	23.3	19.8	19.7
100,000 lb or more	16.3	S	S	10.8	12.8	11.5	9.0	11.7	12.1	12.3	12.4	12.4
SCTG 25, Logs and other wood in the rough	10.5	27.3	29.9	15.3	S	S	36.0	41.9	42.1	26.3	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	-	-	-
100 to 499 lb	49.4	33.4	34.3	S	38.7	42.0	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	36.9	36.2	34.5	S	48.7	45.1	S	S	S	S	S	S
1,000 to 9,999 lb	23.4	20.5	19.0	48.4	23.3	23.8	S	S	49.1	S	43.9	43.9
10,000 to 49,999 lb	9.9	29.3	25.2	21.2	18.8	19.9	33.9	27.9	28.4	42.4	38.8	39.6
50,000 to 99,999 lb	12.3	21.8	19.6	33.0	S	S	S	S	S	S	S	S
100,000 lb or more	35.4	S	S	21.7	S	S	27.8	S	S	39.0	S	S
SCTG 26, Wood products ..	8.5	15.4	18.7	6.1	13.0	11.4	6.8	8.8	8.9	6.8	13.9	13.2
Less than 50 lb	19.0	13.7	15.0	20.0	18.1	18.3	S	41.5	41.4	23.3	23.3	23.0
50 to 99 lb	12.1	11.0	12.5	15.5	19.3	19.4	26.8	20.9	20.6	29.9	20.7	20.9
100 to 499 lb	19.0	12.3	12.5	18.5	15.9	15.4	19.8	18.4	18.2	22.2	23.7	24.7
500 to 749 lb	8.4	9.7	11.0	18.6	10.1	9.5	16.8	11.9	11.6	22.0	21.5	23.2
750 to 999 lb	14.2	15.4	15.9	14.5	13.9	13.7	14.2	12.9	13.1	20.4	18.7	18.5
1,000 to 9,999 lb	5.4	5.4	5.9	6.3	6.5	6.4	6.7	14.6	13.3	12.8	13.6	13.3
10,000 to 49,999 lb	7.7	14.0	15.5	8.0	13.3	11.7	9.9	9.5	8.9	8.8	8.6	8.5
50,000 to 99,999 lb	11.1	8.3	8.7	7.2	16.2	13.6	10.5	9.6	9.6	12.3	13.7	15.1
100,000 lb or more	42.4	37.3	41.7	9.8	27.0	23.4	12.0	16.9	16.5	15.8	25.4	22.7
SCTG 27, Pulp, newsprint, paper, and paperboard	5.8	4.3	4.6	3.6	3.4	3.7	2.7	3.3	3.3	4.8	5.7	5.9
Less than 50 lb	15.6	11.2	11.6	17.8	17.9	19.1	21.2	20.9	20.7	23.4	23.2	23.0
50 to 99 lb	12.6	9.2	10.2	18.3	24.5	25.7	35.3	37.6	37.4	35.0	34.6	33.9
100 to 499 lb	10.3	8.4	8.8	13.1	12.6	13.2	15.0	16.8	17.6	24.9	28.6	27.7
500 to 749 lb	12.8	8.3	9.1	29.5	20.5	20.8	26.8	23.3	21.8	37.0	23.5	24.1
750 to 999 lb	18.6	13.0	14.3	18.4	16.8	16.2	22.2	21.4	22.7	31.7	44.5	44.8
1,000 to 9,999 lb	9.8	9.1	10.6	12.9	10.3	10.6	17.9	9.8	9.7	21.5	17.0	17.7
10,000 to 49,999 lb	7.5	3.9	4.0	5.2	4.0	4.1	4.9	4.6	4.8	5.7	7.7	7.8
50,000 to 99,999 lb	16.5	23.0	24.8	17.3	14.4	15.1	20.8	18.9	19.1	16.0	14.4	14.3
100,000 lb or more	8.5	7.8	8.2	7.5	7.0	7.6	5.4	5.6	5.5	7.9	10.2	10.6
SCTG 28, Paper or paperboard articles	5.4	3.7	3.5	5.1	4.7	5.3	6.5	6.2	6.2	6.8	6.4	6.6
Less than 50 lb	15.8	12.4	10.9	10.3	7.8	7.6	17.9	13.6	13.3	20.6	15.0	15.6
50 to 99 lb	10.6	5.7	6.3	15.6	14.5	14.4	19.7	19.1	17.2	23.1	21.2	20.7
100 to 499 lb	8.5	5.1	5.9	12.8	11.0	10.8	16.9	10.9	11.1	15.5	11.6	11.8
500 to 749 lb	11.3	10.2	11.0	24.6	21.6	18.2	41.1	12.7	12.9	25.0	34.0	35.6
750 to 999 lb	14.4	11.6	11.0	17.6	19.1	17.0	23.9	24.1	23.9	18.9	23.6	24.5
1,000 to 9,999 lb	9.0	6.6	6.2	10.2	6.8	6.6	9.4	10.2	10.5	12.8	14.8	15.3
10,000 to 49,999 lb	5.8	3.7	3.6	6.8	6.2	6.9	6.1	5.0	5.2	6.9	6.2	6.1
50,000 to 99,999 lb	31.8	23.9	25.3	20.4	20.1	19.5	S	47.9	48.3	S	S	S
100,000 lb or more	37.7	32.3	30.0	31.2	26.4	26.3	42.8	39.1	37.8	47.3	33.1	34.5

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	37.8	9.2	10.8	11.9	5.9	6.5	11.0	8.3	8.3	11.0	10.0	10.6
Less than 50 lb	14.4	13.3	13.2	10.4	10.6	11.4	10.8	12.0	12.2	14.9	26.6	26.0
50 to 99 lb	16.7	12.1	13.3	14.8	11.7	11.6	19.9	16.3	16.2	22.6	20.6	20.3
100 to 499 lb	S	25.3	25.5	11.2	10.7	11.1	14.5	12.3	12.1	41.1	35.0	33.6
500 to 749 lb	47.5	26.6	32.4	17.8	29.0	33.8	24.1	25.9	26.2	45.3	20.6	19.4
750 to 999 lb	9.8	11.6	9.8	S	39.3	39.9	S	48.8	46.0	20.0	35.1	35.0
1,000 to 9,999 lb	S	21.2	25.2	23.9	12.1	13.9	27.4	19.8	19.7	9.6	17.3	18.4
10,000 to 49,999 lb	6.2	7.8	7.8	5.1	7.9	8.0	8.4	11.7	11.3	10.7	7.3	7.8
50,000 to 99,999 lb	37.7	28.6	32.0	34.0	34.4	35.5	41.9	S	S	S	41.3	40.7
100,000 lb or more	49.9	33.6	42.6	38.6	38.4	41.9	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	9.4	6.6	6.9	8.3	9.1	8.4	4.9	7.8	7.6	7.7	6.8	6.7
Less than 50 lb	7.4	6.1	5.8	7.2	5.1	5.4	6.8	7.9	8.2	6.4	9.8	9.7
50 to 99 lb	5.7	6.9	6.8	14.8	10.3	8.5	14.9	10.6	11.0	18.8	18.3	17.8
100 to 499 lb	6.4	5.6	5.6	6.8	5.2	5.2	5.0	4.5	4.6	29.8	23.1	21.5
500 to 749 lb	14.4	7.4	7.8	11.9	9.2	9.2	10.7	13.7	13.6	19.1	16.5	17.3
750 to 999 lb	14.7	8.0	7.6	15.5	9.3	9.6	17.5	12.6	12.4	16.9	16.6	16.3
1,000 to 9,999 lb	24.0	7.3	7.0	6.5	7.1	7.1	8.2	8.5	8.4	8.5	10.2	9.8
10,000 to 49,999 lb	8.3	6.0	6.0	20.8	13.9	12.9	11.0	11.4	11.3	9.5	8.2	8.3
50,000 to 99,999 lb	S	S	S	S	41.2	40.4	28.6	33.7	34.7	41.5	45.7	45.4
100,000 lb or more	37.4	38.9	36.0	45.4	47.9	S	47.0	S	S	S	S	S
SCTG 31, Nonmetallic mineral products	4.6	4.8	5.0	3.3	5.9	6.4	4.7	6.6	6.9	6.3	7.2	8.1
Less than 50 lb	15.7	10.9	11.0	17.5	27.6	29.6	9.6	12.1	12.2	12.0	37.6	38.5
50 to 99 lb	13.6	19.1	20.2	13.6	17.7	17.3	15.2	15.4	15.6	21.6	29.6	30.6
100 to 499 lb	8.9	12.4	12.5	13.6	27.1	24.8	14.2	13.2	14.2	16.2	15.5	15.7
500 to 749 lb	16.3	18.8	19.8	14.6	15.4	13.9	18.2	21.0	22.0	22.9	29.9	31.5
750 to 999 lb	13.3	13.4	14.8	17.3	15.3	14.7	41.4	S	S	34.5	33.8	33.3
1,000 to 9,999 lb	18.7	8.3	9.3	14.2	8.4	8.0	12.2	9.0	9.2	18.4	13.0	13.7
10,000 to 49,999 lb	4.6	7.4	6.8	4.0	4.4	4.6	5.1	5.1	5.1	8.1	7.8	8.3
50,000 to 99,999 lb	5.9	7.1	7.3	9.4	11.2	10.3	41.0	23.1	22.0	17.8	33.8	33.5
100,000 lb or more	11.7	13.0	14.2	16.9	20.1	19.6	20.5	18.4	18.7	21.4	22.6	23.0
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	3.4	5.0	6.1	7.4	6.6	7.1	6.0	6.3	6.5	6.2	17.5	16.9
Less than 50 lb	11.9	9.5	11.1	13.5	11.5	11.5	19.1	10.5	10.4	15.3	10.3	10.1
50 to 99 lb	13.9	9.1	10.5	8.8	7.3	7.0	11.4	13.4	12.5	16.4	15.3	15.3
100 to 499 lb	8.4	7.0	7.8	7.9	8.7	8.5	15.9	9.1	8.8	14.0	13.0	13.2
500 to 749 lb	10.3	8.7	9.9	8.8	10.0	10.2	11.0	10.0	10.4	18.3	13.7	13.8
750 to 999 lb	18.2	7.8	9.4	15.5	11.8	12.3	19.7	8.8	9.6	12.7	14.3	13.7
1,000 to 9,999 lb	5.8	6.8	6.2	5.2	5.9	5.5	6.5	4.1	4.0	8.9	6.4	6.3
10,000 to 49,999 lb	4.9	5.4	6.1	8.6	6.7	7.1	8.2	6.3	6.4	8.0	7.4	7.6
50,000 to 99,999 lb	9.8	8.6	8.2	14.1	10.7	10.7	13.1	20.4	20.1	22.0	25.1	23.6
100,000 lb or more	12.5	15.3	18.6	14.3	12.9	14.1	14.1	14.0	14.1	14.2	28.7	26.3
SCTG 33, Articles of base metal	3.2	6.5	7.6	4.7	7.3	7.6	5.6	12.4	12.3	4.1	28.1	28.6
Less than 50 lb	5.5	4.4	5.1	10.3	15.2	17.8	6.2	13.6	13.7	7.6	11.3	12.2
50 to 99 lb	12.7	8.3	7.3	32.9	24.2	24.3	28.1	28.7	26.6	8.9	7.9	8.1
100 to 499 lb	5.2	6.0	6.2	5.4	7.7	7.0	23.9	14.3	13.9	9.3	7.6	7.6
500 to 749 lb	11.1	5.9	6.6	15.0	12.1	12.6	8.7	9.9	10.4	28.4	16.0	15.5
750 to 999 lb	14.3	9.3	9.3	10.4	6.6	6.9	15.3	8.6	8.2	15.3	13.0	12.8
1,000 to 9,999 lb	5.2	6.7	7.0	5.3	9.1	9.9	6.6	9.2	9.4	11.3	19.2	18.2
10,000 to 49,999 lb	4.8	9.3	9.7	5.3	8.4	8.9	5.2	20.0	20.3	6.7	43.9	45.4
50,000 to 99,999 lb	27.0	23.6	23.4	45.8	25.1	25.4	39.2	26.5	26.6	41.6	25.3	25.9
100,000 lb or more	25.7	34.2	46.9	22.9	25.3	23.9	25.0	27.2	26.7	30.2	30.8	33.2
SCTG 34, Machinery	4.6	6.4	5.7	6.0	4.5	4.7	3.0	3.5	3.5	4.5	6.4	7.2
Less than 50 lb	5.3	7.8	7.8	10.1	14.5	16.9	5.4	5.8	5.6	8.1	8.9	8.9
50 to 99 lb	8.4	10.9	11.2	9.2	8.0	7.5	8.4	7.6	7.3	13.3	13.1	13.4
100 to 499 lb	7.1	6.0	6.2	5.5	5.9	5.8	6.2	4.6	4.7	7.2	16.5	17.2
500 to 749 lb	18.1	10.6	11.3	7.1	7.0	6.5	14.7	8.1	8.6	8.5	8.4	8.2
750 to 999 lb	21.6	13.2	13.5	6.1	7.8	7.3	11.7	10.9	10.9	24.2	16.1	15.9
1,000 to 9,999 lb	5.2	6.5	6.1	7.1	5.1	5.1	4.6	5.3	5.3	10.8	7.5	7.7
10,000 to 49,999 lb	7.4	9.1	8.4	11.9	6.3	7.0	4.4	6.1	6.3	8.1	7.4	7.3
50,000 to 99,999 lb	24.0	21.7	20.5	19.3	14.3	14.9	20.6	17.4	17.8	40.2	48.8	S
100,000 lb or more	47.0	35.2	35.2	23.8	25.0	24.5	26.9	27.9	28.0	41.9	41.6	42.0
SCTG 35, Electronic and other electrical equipment and components and office equipment	9.1	8.4	8.6	7.5	5.5	5.4	5.1	5.4	5.4	4.5	7.4	7.6
Less than 50 lb	4.4	7.4	7.8	4.0	5.9	5.9	5.9	5.0	5.2	6.3	10.4	10.3
50 to 99 lb	11.3	15.2	13.2	9.4	12.7	11.7	8.4	8.1	8.1	12.1	10.9	11.2
100 to 499 lb	7.4	12.8	12.7	7.3	9.1	8.1	10.8	8.3	8.7	10.6	8.5	9.0
500 to 749 lb	24.7	25.0	26.5	10.1	16.0	14.9	18.7	13.0	14.5	14.6	5.8	5.6
750 to 999 lb	25.2	16.6	19.1	13.2	16.3	14.3	18.2	14.4	13.3	22.9	16.6	17.0
1,000 to 9,999 lb	20.0	12.1	13.4	25.5	7.1	7.5	12.4	8.8	8.7	12.0	7.1	6.8
10,000 to 49,999 lb	29.0	7.2	7.1	14.1	7.7	7.5	13.8	8.3	8.4	20.5	9.1	8.9
50,000 to 99,999 lb	30.8	35.5	32.9	48.1	28.8	26.6	24.0	22.0	20.6	S	S	S
100,000 lb or more	S	S	46.4	S	38.6	39.4	34.9	32.9	33.7	41.5	40.0	40.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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)	5.0	11.0	12.4	5.3	6.3	6.8	5.7	6.7	6.6	7.0	12.0	11.7
Less than 50 lb	4.0	6.8	7.0	5.7	7.3	6.3	9.0	8.7	8.9	11.0	13.2	12.5
50 to 99 lb	12.4	9.0	9.2	12.2	12.8	13.6	13.6	13.7	13.3	17.2	16.7	16.2
100 to 499 lb	12.1	7.7	7.2	17.3	11.8	12.0	14.8	8.9	9.1	16.0	18.8	19.7
500 to 749 lb	18.4	11.8	11.9	17.0	15.1	16.4	15.0	25.1	23.5	20.8	14.7	14.3
750 to 999 lb	17.8	17.4	16.0	20.8	14.7	14.1	18.8	17.6	18.1	26.4	17.0	17.2
1,000 to 9,999 lb	7.9	4.7	4.8	7.7	6.1	6.0	13.0	12.5	12.9	11.4	11.5	11.5
10,000 to 49,999 lb	6.3	5.1	5.2	10.7	6.7	6.6	10.4	9.2	9.1	14.2	11.4	11.4
50,000 to 99,999 lb	22.7	20.0	21.3	28.8	16.2	14.7	21.8	14.7	15.0	27.5	23.9	24.4
100,000 lb or more	S	S	S	26.8	38.8	45.2	27.5	19.0	18.7	36.5	S	S
SCTG 37, Transportation equipment, n.e.c.	16.3	14.7	16.8	8.9	16.5	17.7	10.3	17.2	19.7	28.1	14.8	15.1
Less than 50 lb	24.4	32.0	29.3	18.4	19.9	18.9	13.7	14.3	17.0	11.2	16.0	17.9
50 to 99 lb	27.3	24.0	25.5	19.9	29.3	28.0	35.3	36.5	32.2	23.5	14.1	14.5
100 to 499 lb	29.5	28.0	26.4	21.6	15.6	15.4	22.8	21.7	22.0	16.9	15.2	14.6
500 to 749 lb	33.9	20.5	19.0	23.7	20.2	20.0	33.5	47.6	44.7	35.4	24.1	24.2
750 to 999 lb	S	27.9	26.3	25.4	21.4	23.4	35.6	23.5	24.0	24.3	24.4	24.3
1,000 to 9,999 lb	31.9	20.5	19.7	14.4	11.9	10.8	11.0	12.8	12.8	22.0	19.1	19.1
10,000 to 49,999 lb	13.6	17.3	15.7	17.6	20.7	22.0	28.3	23.0	23.3	30.2	18.9	17.7
50,000 to 99,999 lb	45.4	43.3	42.0	41.0	41.8	44.5	S	S	S	S	S	S
100,000 lb or more	S	S	S	33.7	34.1	37.5	41.3	41.6	44.9	S	43.6	45.0
SCTG 38, Precision instruments and apparatus	5.5	11.5	10.5	6.1	12.3	10.5	8.7	16.4	15.8	11.7	10.3	10.0
Less than 50 lb	8.5	5.9	5.5	8.7	6.6	6.4	15.4	11.0	10.9	19.3	22.8	21.4
50 to 99 lb	10.3	17.1	15.5	11.5	10.3	10.6	17.0	9.8	10.6	33.4	27.8	27.2
100 to 499 lb	10.4	13.1	15.8	13.2	13.4	13.7	9.8	13.2	13.4	9.3	13.9	13.4
500 to 749 lb	15.3	21.4	20.8	15.7	17.9	18.2	31.5	15.1	15.3	18.0	17.8	18.6
750 to 999 lb	18.2	20.5	19.5	19.1	15.2	16.0	26.5	22.7	22.2	32.6	39.1	39.8
1,000 to 9,999 lb	14.0	26.6	27.0	16.6	20.4	20.1	12.5	15.0	15.7	28.9	24.9	24.4
10,000 to 49,999 lb	23.5	38.1	34.0	23.0	29.4	28.3	20.9	31.8	30.7	38.7	28.8	28.0
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—	S	S	S
100,000 lb or more	S	S	S	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	12.4	9.6	7.9	11.8	7.4	7.8	5.4	7.2	6.9	6.5	9.4	9.7
Less than 50 lb	15.7	26.6	32.3	12.1	19.8	18.9	15.7	23.8	23.5	15.9	24.5	24.3
50 to 99 lb	15.2	8.9	9.0	8.7	13.2	16.6	9.5	14.8	15.2	16.9	45.8	43.4
100 to 499 lb	9.9	6.5	6.5	5.3	3.8	4.0	4.4	4.1	4.1	19.0	12.3	13.9
500 to 749 lb	7.8	8.0	8.7	8.8	6.8	6.7	13.2	6.4	6.3	15.9	10.2	10.2
750 to 999 lb	10.4	10.2	9.7	9.1	10.5	10.3	18.4	9.2	9.0	13.4	13.8	14.3
1,000 to 9,999 lb	6.4	6.3	5.8	23.7	11.8	10.3	6.2	8.1	7.9	7.9	9.5	10.1
10,000 to 49,999 lb	31.0	19.5	15.7	10.2	12.0	12.8	12.6	14.6	14.0	15.1	18.9	19.0
50,000 to 99,999 lb	40.4	47.1	S	S	S	S	48.6	37.9	38.9	49.5	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S	S	S	S
SCTG 40, Miscellaneous manufactured products	12.3	7.1	6.8	6.4	5.7	5.5	3.4	5.8	5.7	5.7	15.2	17.2
Less than 50 lb	6.3	5.1	5.0	10.8	5.9	6.2	8.9	13.5	12.8	13.5	24.6	22.8
50 to 99 lb	6.0	7.6	6.9	8.7	6.7	6.7	7.4	7.2	7.2	23.0	13.6	13.8
100 to 499 lb	4.9	4.6	4.8	14.8	21.3	19.4	9.1	6.4	6.2	6.6	5.2	5.1
500 to 749 lb	28.6	6.6	6.4	20.7	7.9	8.8	29.4	9.6	9.3	10.0	10.7	10.7
750 to 999 lb	11.4	12.3	12.1	16.2	10.9	10.5	14.6	9.8	9.9	11.4	10.3	10.5
1,000 to 9,999 lb	12.6	8.2	8.3	13.4	6.8	6.3	5.1	6.6	6.7	8.4	11.8	11.8
10,000 to 49,999 lb	29.9	10.2	10.0	10.4	7.2	6.7	7.2	8.0	7.9	12.7	24.6	28.2
50,000 to 99,999 lb	33.8	20.9	19.4	29.2	23.5	25.1	22.6	22.2	22.7	23.1	26.3	26.3
100,000 lb or more	33.4	28.0	26.6	34.4	26.3	29.0	37.6	26.5	26.6	S	37.0	35.9
SCTG 41, Waste and scrap	12.3	8.8	9.6	7.8	10.5	10.3	12.5	16.3	18.8	27.9	22.9	29.5
Less than 50 lb	S	S	S	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	44.0	45.1	S	45.0	45.4	38.8	S	S	S	47.0	48.0
500 to 749 lb	S	S	S	S	47.0	49.7	47.7	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	34.4	16.3	15.5	23.7	19.7	21.4	S	37.1	36.7	S	S	S
10,000 to 49,999 lb	15.8	14.3	17.2	9.1	13.9	13.6	15.2	18.9	17.4	13.6	24.3	23.6
50,000 to 99,999 lb	17.6	17.3	18.1	17.1	36.0	30.8	33.4	29.1	29.3	30.9	22.8	23.5
100,000 lb or more	15.2	8.6	9.4	16.4	16.2	15.9	22.2	22.4	25.9	46.2	35.8	45.8
SCTG 43, Mixed freight	11.4	10.8	11.8	21.1	18.9	20.0	15.7	36.9	36.4	30.3	S	S
Less than 50 lb	19.4	22.2	23.9	25.9	30.9	31.6	36.5	44.7	46.1	35.4	43.1	42.9
50 to 99 lb	18.4	16.7	16.3	27.4	33.6	34.4	S	S	S	S	24.6	24.2
100 to 499 lb	8.8	9.3	9.8	17.6	25.3	24.2	26.5	19.1	19.7	23.3	23.2	23.3
500 to 749 lb	11.1	10.3	10.9	14.7	17.6	16.1	29.2	18.1	17.7	46.4	47.8	49.3
750 to 999 lb	18.7	11.6	11.7	19.8	21.4	21.1	S	32.6	33.8	40.9	36.9	36.0
1,000 to 9,999 lb	11.2	5.7	5.9	17.3	13.1	13.8	19.5	18.5	17.1	32.5	35.7	35.7
10,000 to 49,999 lb	15.1	13.2	13.7	30.5	15.4	14.8	20.6	16.0	16.1	41.9	18.3	18.1
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S	—	—	—
100,000 lb or more	36.4	39.1	35.9	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 United States: 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	14.0	41.2	45.3	12.2	S	S	16.8	27.6	29.4	8.5	18.6	19.1
Less than 50 lb	16.3	19.3	21.3	15.6	19.0	17.1	20.6	19.0	19.3	19.9	24.7	23.7
50 to 99 lb	32.1	30.4	31.3	27.3	23.3	22.2	S	25.9	23.7	27.8	28.7	29.4
100 to 499 lb	22.1	32.0	24.8	24.6	22.3	22.4	19.5	27.8	24.8	25.2	18.5	18.1
500 to 749 lb	S	25.9	22.4	32.6	20.2	21.2	25.0	33.1	34.0	35.1	23.4	23.8
750 to 999 lb	28.2	33.8	34.7	32.5	25.4	27.2	23.1	21.4	20.6	S	37.8	37.4
1,000 to 9,999 lb	17.8	20.8	21.4	15.8	27.9	27.6	15.9	23.5	23.0	21.2	27.5	28.3
10,000 to 49,999 lb	27.5	17.9	18.8	20.3	20.3	19.5	22.3	30.8	32.8	16.1	14.9	15.1
50,000 to 99,999 lb	44.4	29.6	27.9	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	41.2	42.1	42.8	49.4	47.9	46.2

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 United States: 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	2.7	7.6	7.9	2.5	5.0	5.1	3.1	1.7	1.8
Less than 50 lb	5.8	5.1	5.0	3.8	4.0	4.3	4.1	4.4	4.5
50 to 99 lb	7.3	7.0	7.3	5.0	5.3	5.3	13.4	4.5	4.4
100 to 499 lb	7.9	3.7	3.6	7.2	4.3	4.1	4.8	5.6	5.5
500 to 749 lb	5.0	5.8	5.4	14.2	19.4	20.6	9.9	12.3	12.3
750 to 999 lb	6.9	4.7	5.0	15.4	9.7	9.7	18.1	20.1	20.1
1,000 to 9,999 lb	3.8	6.2	6.4	5.2	5.9	5.8	8.8	7.7	7.8
10,000 to 49,999 lb	5.1	4.7	4.8	6.3	2.8	2.7	4.4	3.0	3.1
50,000 to 99,999 lb	19.6	20.7	19.3	18.0	14.4	14.2	26.1	9.8	10.8
100,000 lb or more	9.9	9.8	10.0	16.2	11.5	11.4	18.9	6.8	6.8
SCTG 01, Live animals and live fish	27.6	24.9	24.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	S	S	S	S	S	S
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	33.7	33.6	32.8	S	S	S	—	—	—
50,000 to 99,999 lb	38.2	37.5	37.1	S	S	S	—	—	—
100,000 lb or more	49.8	S	S	—	—	—	—	—	—
SCTG 02, Cereal grains	17.2	17.8	18.6	34.1	36.1	37.2	36.7	47.6	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	—	—	—	—	—	—
1,000 to 9,999 lb	44.1	41.7	40.8	48.7	37.6	37.2	S	S	S
10,000 to 49,999 lb	39.1	28.9	30.1	45.3	37.3	37.3	39.6	44.6	44.4
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	17.7	17.9	18.8	S	S	S	—	—	—
SCTG 03, Other agricultural products	11.8	21.3	22.4	11.7	16.0	15.0	13.4	13.2	12.9
Less than 50 lb	22.7	33.0	32.0	30.9	28.8	29.2	27.4	35.0	37.3
50 to 99 lb	30.0	29.3	35.4	45.0	S	S	S	S	S
100 to 499 lb	14.1	11.4	11.4	38.0	36.6	38.5	37.8	46.8	S
500 to 749 lb	19.5	20.1	20.2	S	33.7	33.8	S	32.8	33.3
750 to 999 lb	28.6	44.0	46.5	49.2	45.1	43.7	45.1	33.9	33.4
1,000 to 9,999 lb	12.1	23.3	24.4	18.0	29.1	29.4	18.6	27.9	28.2
10,000 to 49,999 lb	10.9	12.6	12.5	13.6	18.7	17.1	17.0	12.8	12.4
50,000 to 99,999 lb	S	S	S	S	32.1	33.8	43.3	S	S
100,000 lb or more	29.3	31.8	32.9	39.7	24.1	24.5	28.4	26.6	25.4
SCTG 04, Animal feed and products of animal origin, n.e.c.	7.5	7.2	8.1	26.5	18.3	19.2	28.9	29.5	29.5
Less than 50 lb	44.0	43.5	41.2	S	49.0	48.3	S	S	S
50 to 99 lb	S	32.6	30.7	S	S	S	S	S	S
100 to 499 lb	47.3	35.5	34.8	S	S	S	S	S	S
500 to 749 lb	S	46.9	47.0	S	S	S	S	S	S
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	22.4	28.0	27.7	34.6	30.2	30.2	S	S	S
10,000 to 49,999 lb	9.4	10.5	11.3	20.2	15.4	15.2	36.6	33.5	33.5
50,000 to 99,999 lb	24.4	29.4	29.2	34.3	32.8	34.3	S	S	S
100,000 lb or more	15.8	15.1	15.7	S	37.5	37.6	S	42.5	42.0
SCTG 05, Meat, fish, seafood, and their preparations	11.2	11.5	11.7	8.0	8.0	8.3	17.5	19.9	19.6
Less than 50 lb	47.8	39.7	39.2	S	39.0	37.9	S	42.5	43.2
50 to 99 lb	41.4	41.1	39.1	33.9	28.7	29.3	S	S	S
100 to 499 lb	34.1	27.2	29.4	34.6	18.2	17.9	28.8	25.5	26.3
500 to 749 lb	38.7	S	S	26.2	17.4	16.9	33.7	25.7	27.7
750 to 999 lb	20.1	20.6	18.2	28.6	16.7	17.2	39.9	28.1	28.4
1,000 to 9,999 lb	10.3	10.5	10.4	10.9	8.2	8.0	26.7	19.4	19.0
10,000 to 49,999 lb	12.4	12.0	12.0	8.7	7.6	7.8	24.7	22.9	22.7
50,000 to 99,999 lb	42.1	34.3	35.2	43.1	35.3	34.4	45.7	48.0	49.7
100,000 lb or more	43.1	S	S	36.7	31.8	32.2	S	S	S
SCTG 06, Milled grain products and preparations, and bakery products	5.9	8.8	9.3	11.1	10.1	10.6	11.1	15.2	15.4
Less than 50 lb	S	S	S	45.6	45.8	44.4	43.1	30.8	30.1
50 to 99 lb	48.0	S	S	S	S	S	45.8	46.8	46.1
100 to 499 lb	35.3	29.3	27.7	42.1	32.9	33.4	39.9	33.1	32.6
500 to 749 lb	48.4	40.9	41.8	S	40.1	41.0	S	S	S
750 to 999 lb	37.1	32.1	34.4	44.5	37.5	36.9	48.3	47.9	47.0
1,000 to 9,999 lb	12.7	10.6	10.2	16.4	14.0	14.4	29.9	34.7	33.9
10,000 to 49,999 lb	7.5	7.2	7.4	13.2	8.5	8.4	10.6	11.4	11.3
50,000 to 99,999 lb	S	S	S	40.1	47.5	46.6	S	S	S
100,000 lb or more	20.2	19.9	20.1	47.9	33.7	33.7	S	S	S

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	4.5	8.8	8.7	10.6	6.6	6.8	4.8	8.2	8.7
Less than 50 lb	40.8	33.2	34.0	31.3	24.1	24.0	19.1	20.4	20.7
50 to 99 lb	29.3	23.2	22.2	S	38.5	38.4	31.0	22.5	22.6
100 to 499 lb	31.4	25.7	24.1	19.8	18.3	19.6	22.5	27.2	28.5
500 to 749 lb	18.6	17.0	16.4	47.0	40.8	39.5	27.6	26.3	27.2
750 to 999 lb	S	31.5	29.5	24.8	16.6	16.6	34.4	31.4	30.6
1,000 to 9,999 lb	9.3	10.7	9.8	14.8	10.8	10.6	21.5	15.2	15.2
10,000 to 49,999 lb	6.3	6.1	6.5	13.4	7.4	8.2	5.0	5.1	5.5
50,000 to 99,999 lb	37.5	41.7	39.8	17.1	24.1	22.8	28.4	26.6	26.0
100,000 lb or more	15.5	18.2	17.1	12.8	12.1	11.8	19.7	26.3	26.5
SCTG 08, Alcoholic beverages	18.8	22.1	23.4	18.7	29.0	28.8	26.1	30.4	31.7
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	45.1	S	S	S	37.2	36.8
500 to 749 lb	S	S	S	S	32.8	33.9	S	S	S
750 to 999 lb	S	49.4	48.8	S	S	S	S	S	S
1,000 to 9,999 lb	34.5	24.6	25.4	30.7	36.8	35.9	S	S	S
10,000 to 49,999 lb	21.7	17.7	17.6	22.8	26.6	27.3	23.1	19.4	20.2
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	30.2	31.0	31.5	30.8	45.0	45.1	S	S	S
SCTG 09, Tobacco products	37.8	37.1	38.5	36.1	35.3	35.7	36.1	39.0	38.9
Less than 50 lb	37.8	39.2	40.3	41.6	39.0	39.6	31.4	27.3	30.8
50 to 99 lb	31.1	32.7	34.3	36.4	38.5	38.1	S	43.1	S
100 to 499 lb	35.6	28.0	28.7	35.1	31.2	31.5	31.8	32.2	29.9
500 to 749 lb	36.9	32.5	32.2	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	40.2	33.2	33.9	S	S	S	45.6	48.3	S
10,000 to 49,999 lb	47.9	45.4	47.4	40.5	41.0	41.5	39.8	41.2	41.7
50,000 to 99,999 lb	—	—	—	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	S	S	S
SCTG 10, Monumental or building stone	37.5	33.1	33.5	S	S	S	S	S	S
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	S	S	S	S	S	S	S	S	S
750 to 999 lb	S	S	S	S	S	S	S	S	S
1,000 to 9,999 lb	48.7	44.0	43.5	S	43.9	45.9	S	S	S
10,000 to 49,999 lb	37.8	33.7	33.3	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—
SCTG 11, Natural sands	43.2	32.2	31.1	36.0	45.0	28.5	33.2	37.7	37.3
Less than 50 lb	—	—	—	—	—	—	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	—	—	—
1,000 to 9,999 lb	S	41.8	41.6	S	S	S	S	S	S
10,000 to 49,999 lb	39.6	37.8	39.6	38.5	S	32.6	36.5	34.3	33.7
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	32.2	30.4	S	S	S	S	S	S
SCTG 12, Gravel and crushed stone	S	S	S	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	S	S	S	S	S	S	—	—	—
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	—	—	—	S	S	S
SCTG 13, Nonmetallic minerals n.e.c.	16.1	16.1	16.0	14.1	20.1	19.7	19.9	25.1	25.8
Less than 50 lb	39.2	48.1	47.2	S	S	S	32.0	37.4	45.5
50 to 99 lb	S	S	S	45.7	S	S	S	S	S
100 to 499 lb	30.9	43.4	42.8	32.7	34.2	35.7	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	38.7	39.9	41.7	28.2	28.8	36.4	48.8	47.6
10,000 to 49,999 lb	26.8	32.3	30.4	15.0	30.3	30.7	25.1	21.7	20.0
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	17.6	15.3	15.6	30.3	27.2	26.8	35.2	40.8	41.2

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 United States: 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	18.4	41.4	41.1	27.1	S	S	40.3	S	S
Less than 50 lb	47.9	42.7	39.4	S	S	S	S	S	S
50 to 99 lb	49.5	44.1	44.4	S	S	S	S	S	S
100 to 499 lb	39.6	46.6	46.0	S	S	S	S	S	S
500 to 749 lb	S	38.0	37.6	S	S	S	S	44.5	43.8
750 to 999 lb	S	S	S	—	—	—	S	S	S
1,000 to 9,999 lb	S	49.7	S	S	39.5	41.3	S	40.9	41.3
10,000 to 49,999 lb	49.6	36.5	36.0	33.5	21.0	20.7	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	29.8	42.4	41.9	S	S	S	S	S	S
SCTG 15, Coal	16.2	19.8	20.0	S	S	S	S	S	S
Less than 50 lb	—	—	—	—	—	—	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	—	—	—	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	—	—	—	—	—	—
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	—	—	—	—	—	—	S	S	S
100,000 lb or more	16.4	19.9	20.0	S	S	S	S	S	S
SCTG 17, Gasoline and aviation turbine fuel	33.5	35.5	45.3	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	S	S	S	—	—	—	—	—	—
100 to 499 lb	S	S	S	S	S	S	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	—	—	—
10,000 to 49,999 lb	41.8	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	40.2	41.2	S	S	S	S	S	S	S
SCTG 18, Fuel oils	47.9	43.2	42.3	S	S	S	S	S	S
Less than 50 lb	—	—	—	S	S	S	—	—	—
50 to 99 lb	—	—	—	—	—	—	—	—	—
100 to 499 lb	S	S	S	—	—	—	—	—	—
500 to 749 lb	—	—	—	—	—	—	—	—	—
750 to 999 lb	—	—	—	—	—	—	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	S	S	S	S	S	S	S	S	S
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	45.5	44.7	S	S	S	S	S	S
SCTG 19, Coal and petroleum products, n.e.c.	13.0	34.0	38.9	17.0	27.8	27.3	20.8	23.6	21.9
Less than 50 lb	S	S	S	S	34.7	34.9	47.4	48.6	47.6
50 to 99 lb	S	S	S	S	S	S	46.4	48.8	49.8
100 to 499 lb	44.5	S	S	23.0	25.2	25.2	48.6	40.8	39.3
500 to 749 lb	41.6	36.0	34.7	S	43.5	43.4	S	S	S
750 to 999 lb	28.0	S	S	47.1	43.9	44.8	S	S	S
1,000 to 9,999 lb	28.6	S	S	28.7	34.6	35.3	43.4	40.8	40.8
10,000 to 49,999 lb	16.3	34.1	36.5	20.9	28.3	29.6	44.8	41.4	39.9
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	19.6	41.2	45.1	29.8	36.9	36.3	S	42.6	43.0
SCTG 20, Basic chemicals	42.0	31.3	30.0	5.7	10.8	11.0	10.9	17.3	17.1
Less than 50 lb	15.7	17.7	16.8	24.1	20.0	19.9	20.5	20.9	20.3
50 to 99 lb	35.2	49.9	48.4	30.8	26.1	25.8	27.4	32.0	33.2
100 to 499 lb	41.3	32.7	30.9	28.9	32.4	35.1	23.6	28.3	29.8
500 to 749 lb	21.2	28.1	30.7	34.1	38.4	38.8	35.1	S	S
750 to 999 lb	26.6	22.7	23.1	S	31.3	30.6	46.7	41.7	42.2
1,000 to 9,999 lb	31.1	39.6	42.1	22.6	31.2	31.8	27.0	32.3	31.9
10,000 to 49,999 lb	S	S	S	10.3	11.4	11.5	14.0	11.7	11.6
50,000 to 99,999 lb	22.1	43.8	44.6	31.0	34.0	33.5	S	S	S
100,000 lb or more	36.4	28.4	26.9	17.7	13.5	13.5	29.2	26.6	25.5
SCTG 21, Pharmaceutical products	12.4	13.7	14.8	13.9	14.2	15.9	13.9	40.1	40.9
Less than 50 lb	16.3	11.5	11.6	14.2	11.4	11.5	22.1	17.4	17.6
50 to 99 lb	21.8	27.8	27.3	22.3	27.4	27.3	32.8	46.2	46.3
100 to 499 lb	40.9	43.2	44.6	41.3	16.8	18.1	34.3	13.1	12.6
500 to 749 lb	27.0	36.0	37.8	31.2	27.7	27.3	40.0	25.7	26.2
750 to 999 lb	23.2	27.6	29.8	S	29.4	29.0	42.1	28.6	28.9
1,000 to 9,999 lb	22.5	26.7	29.5	35.3	14.6	14.1	26.6	27.2	27.6
10,000 to 49,999 lb	17.4	13.1	13.4	26.5	22.3	24.3	26.4	S	S
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 United States: 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	22.5	22.3	23.1	36.6	S	S	S	S	S
Less than 50 lb	S	S	48.5	S	S	S	S	S	S
50 to 99 lb	S	S	S	S	S	S	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	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	40.9	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	32.5	33.8	32.6	S	S	S	36.7	42.7	43.3
50,000 to 99,999 lb	S	S	S	S	S	S	—	—	—
100,000 lb or more	24.5	22.9	23.6	49.4	S	S	S	S	S
SCTG 23, Chemical products and preparations, n.e.c.	9.2	12.9	13.0	12.4	12.4	11.3	17.4	8.2	8.2
Less than 50 lb	12.1	12.1	11.8	16.8	11.6	11.7	20.7	13.8	14.3
50 to 99 lb	19.1	20.0	19.6	21.8	16.2	15.5	36.3	17.6	17.2
100 to 499 lb	36.5	13.2	13.6	14.1	14.3	14.2	46.0	14.7	12.7
500 to 749 lb	19.2	14.2	14.5	S	18.6	19.6	31.8	16.1	16.0
750 to 999 lb	33.2	16.9	17.4	26.9	20.1	19.9	23.3	17.1	17.4
1,000 to 9,999 lb	10.1	10.7	11.2	15.9	8.1	7.9	35.3	22.0	17.6
10,000 to 49,999 lb	18.6	12.7	13.3	13.1	15.3	13.9	10.3	8.6	8.6
50,000 to 99,999 lb	36.8	29.8	29.3	46.7	41.5	42.5	38.9	38.4	38.3
100,000 lb or more	18.3	26.5	25.0	33.7	31.2	30.2	31.1	33.2	33.7
SCTG 24, Plastics and rubber	4.4	7.4	7.9	5.0	6.4	6.8	5.4	11.4	12.7
Less than 50 lb	6.7	6.3	6.4	9.7	12.8	12.8	10.8	18.0	17.7
50 to 99 lb	18.3	7.6	8.4	20.8	14.7	14.8	15.5	16.9	17.6
100 to 499 lb	7.7	8.1	7.8	10.8	10.7	10.6	11.7	13.8	13.9
500 to 749 lb	14.3	14.0	14.1	10.1	12.2	12.5	15.2	11.9	11.7
750 to 999 lb	15.8	10.8	10.5	20.8	13.4	13.9	14.1	13.1	12.5
1,000 to 9,999 lb	5.0	4.3	4.2	7.4	7.7	7.7	10.4	9.5	9.8
10,000 to 49,999 lb	6.6	8.1	8.5	6.9	7.2	7.2	13.4	15.2	14.8
50,000 to 99,999 lb	40.7	43.7	46.2	48.4	44.7	46.5	35.6	38.0	38.1
100,000 lb or more	11.1	11.4	11.8	14.6	13.6	13.9	37.2	40.8	40.6
SCTG 25, Logs and other wood in the rough	S	S	S	21.6	30.1	30.5	41.1	46.3	46.2
Less than 50 lb	S	S	S	S	S	S	S	S	S
50 to 99 lb	S	S	S	—	—	—	S	S	S
100 to 499 lb	S	S	S	S	S	S	S	S	S
500 to 749 lb	—	—	—	—	—	—	S	S	S
750 to 999 lb	S	S	S	S	S	S	—	—	—
1,000 to 9,999 lb	S	S	S	S	S	S	S	S	S
10,000 to 49,999 lb	36.0	31.0	31.2	35.1	41.1	43.1	S	44.2	42.1
50,000 to 99,999 lb	42.7	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	27.6	41.0	40.7	S	S	S
SCTG 26, Wood products ..	5.4	11.4	11.6	4.3	5.6	6.9	6.6	6.9	7.2
Less than 50 lb	23.4	28.4	28.4	16.7	19.0	17.9	20.8	28.9	27.8
50 to 99 lb	30.6	S	S	23.0	23.3	23.1	31.4	37.6	38.0
100 to 499 lb	22.9	17.9	17.7	37.3	42.0	40.1	18.8	18.7	18.7
500 to 749 lb	32.9	36.0	38.2	43.0	46.9	42.5	49.2	35.1	36.1
750 to 999 lb	34.0	26.0	26.3	38.8	32.0	32.5	30.9	27.8	26.1
1,000 to 9,999 lb	14.1	14.4	14.9	13.7	11.3	11.5	16.1	15.9	15.9
10,000 to 49,999 lb	6.6	19.2	20.4	6.3	8.2	13.9	9.4	6.5	8.3
50,000 to 99,999 lb	11.3	15.6	15.7	17.6	15.0	15.1	11.8	12.5	12.1
100,000 lb or more	10.9	17.5	17.1	8.9	9.3	9.8	12.0	11.0	11.5
SCTG 27, Pulp, newsprint, paper, and paperboard	6.3	6.6	6.6	7.9	10.0	9.7	6.6	8.4	9.7
Less than 50 lb	S	32.9	34.0	21.8	19.0	18.2	20.9	24.0	23.9
50 to 99 lb	29.0	43.4	43.7	28.6	36.2	36.3	31.8	35.2	32.7
100 to 499 lb	16.3	21.6	22.5	37.7	20.3	21.6	29.9	47.7	44.7
500 to 749 lb	25.6	21.0	22.1	35.5	S	S	26.0	29.0	28.2
750 to 999 lb	22.9	39.6	42.6	46.7	S	S	27.3	32.7	32.4
1,000 to 9,999 lb	19.6	15.4	16.9	20.4	16.9	17.1	20.2	20.3	19.1
10,000 to 49,999 lb	6.3	6.8	6.7	9.7	14.9	14.8	10.0	7.7	7.5
50,000 to 99,999 lb	25.1	18.9	19.3	28.8	24.8	24.5	45.9	S	S
100,000 lb or more	10.6	10.3	10.7	13.8	12.5	12.3	18.0	22.8	25.0
SCTG 28, Paper or paperboard articles	7.5	8.7	8.8	8.8	7.9	7.9	15.2	15.1	20.0
Less than 50 lb	18.9	15.0	14.9	32.4	19.0	19.4	28.0	21.7	21.3
50 to 99 lb	29.2	28.0	27.8	32.8	29.2	29.6	41.3	25.7	25.1
100 to 499 lb	28.8	17.0	16.4	21.3	14.2	14.3	18.0	16.0	16.3
500 to 749 lb	20.9	16.8	17.6	17.9	23.1	24.7	36.2	23.8	24.2
750 to 999 lb	23.3	32.5	30.8	25.6	47.4	48.0	S	34.9	36.0
1,000 to 9,999 lb	12.2	19.6	22.9	15.0	10.0	9.9	39.7	S	S
10,000 to 49,999 lb	10.8	11.3	11.3	10.7	11.4	11.3	8.2	13.6	25.0
50,000 to 99,999 lb	40.6	39.9	40.1	S	S	S	S	S	S
100,000 lb or more	S	49.9	S	38.3	39.3	39.6	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 United States: 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	9.4	23.1	22.6	14.9	11.4	11.2	29.8	21.3	20.8
Less than 50 lb	12.0	13.2	13.5	10.2	12.0	11.7	15.9	17.1	20.1
50 to 99 lb	16.0	15.7	14.8	28.5	19.1	19.8	25.8	24.8	24.5
100 to 499 lb	21.3	16.3	16.7	22.8	24.8	23.7	44.4	38.5	37.3
500 to 749 lb	22.6	18.6	18.8	19.8	29.5	29.8	30.3	S	S
750 to 999 lb	23.7	15.6	16.0	39.7	38.5	38.8	S	S	S
1,000 to 9,999 lb	14.3	S	S	47.6	24.1	23.6	31.7	38.3	38.3
10,000 to 49,999 lb	26.9	9.9	10.1	12.0	14.6	14.9	13.2	23.9	25.3
50,000 to 99,999 lb	S	S	S	S	S	S	S	S	S
100,000 lb or more	S	S	S	S	S	S	S	S	S
SCTG 30, Textiles, leather, and articles of textiles or leather	6.2	8.1	8.4	9.6	13.1	13.6	8.6	5.5	5.7
Less than 50 lb	7.3	9.1	8.3	13.4	8.6	8.8	14.3	12.2	11.9
50 to 99 lb	20.4	26.3	26.6	21.2	29.4	30.1	10.4	9.5	9.5
100 to 499 lb	8.7	8.3	8.3	6.9	8.1	8.0	15.3	15.3	15.4
500 to 749 lb	9.1	9.2	9.2	14.1	12.6	12.1	22.0	17.1	17.2
750 to 999 lb	20.3	15.1	14.9	33.6	15.4	15.2	19.0	16.0	15.9
1,000 to 9,999 lb	8.4	12.8	13.5	16.0	12.5	12.8	16.6	8.6	9.0
10,000 to 49,999 lb	13.9	14.0	14.5	31.5	26.5	27.5	15.4	11.8	11.6
50,000 to 99,999 lb	37.0	31.8	30.5	39.1	48.4	49.0	44.7	47.3	48.8
100,000 lb or more	S	S	S	S	S	S	S	47.3	47.0
SCTG 31, Nonmetallic mineral products	6.5	15.5	15.8	12.6	15.7	15.9	7.9	13.7	13.7
Less than 50 lb	15.5	37.7	35.5	26.5	21.7	21.4	18.3	35.4	35.9
50 to 99 lb	18.4	20.0	19.9	19.4	26.5	26.1	29.3	35.2	35.5
100 to 499 lb	13.8	13.4	13.9	22.1	21.3	21.8	17.1	18.9	18.5
500 to 749 lb	29.2	17.3	17.1	S	43.9	44.8	28.5	18.6	19.4
750 to 999 lb	25.4	26.8	27.3	27.5	18.2	18.0	29.7	14.8	15.2
1,000 to 9,999 lb	13.1	16.0	15.0	23.3	21.2	20.7	13.2	12.9	15.9
10,000 to 49,999 lb	8.3	11.3	12.7	20.5	13.3	13.1	12.1	12.4	12.0
50,000 to 99,999 lb	28.6	31.8	29.7	41.1	30.7	30.1	37.7	47.2	44.5
100,000 lb or more	22.1	33.0	30.7	30.6	29.1	29.1	43.1	35.3	35.7
SCTG 32, Base metal in primary or semifinished forms and in finished basic shapes	9.4	10.7	11.7	9.3	12.9	13.7	13.8	13.3	13.7
Less than 50 lb	18.2	17.5	18.5	44.7	S	S	41.3	S	S
50 to 99 lb	27.3	24.6	26.7	22.8	27.0	26.7	29.9	32.5	31.6
100 to 499 lb	10.1	14.1	14.7	15.1	14.3	14.4	24.9	20.5	20.3
500 to 749 lb	15.3	12.6	12.8	29.1	29.6	28.2	26.6	24.1	23.8
750 to 999 lb	15.7	13.9	13.6	S	31.6	31.8	31.1	S	S
1,000 to 9,999 lb	21.8	11.0	10.8	13.3	10.0	10.2	17.5	13.5	13.6
10,000 to 49,999 lb	10.3	7.4	7.9	12.7	13.3	12.6	20.4	19.9	20.6
50,000 to 99,999 lb	28.9	24.8	25.7	40.1	31.2	31.8	43.5	28.8	27.5
100,000 lb or more	15.0	18.7	18.9	15.3	19.3	20.6	37.0	23.3	23.6
SCTG 33, Articles of base metal	4.2	12.2	12.7	13.5	11.5	13.0	7.3	12.1	11.9
Less than 50 lb	9.0	10.1	10.0	32.2	43.0	44.9	13.5	31.1	30.9
50 to 99 lb	9.7	8.0	8.2	10.9	11.2	10.8	32.3	30.3	28.1
100 to 499 lb	9.0	11.6	11.8	34.6	21.1	20.2	8.7	9.3	9.5
500 to 749 lb	14.4	10.7	10.7	22.2	12.1	11.7	26.1	20.8	25.7
750 to 999 lb	13.7	17.8	16.0	34.3	35.0	35.6	22.4	17.1	17.8
1,000 to 9,999 lb	10.9	15.3	15.1	8.1	8.0	8.0	14.0	19.6	19.5
10,000 to 49,999 lb	14.3	21.6	23.1	7.0	12.0	11.2	16.3	21.7	21.4
50,000 to 99,999 lb	26.8	27.0	25.1	36.5	40.6	40.3	30.3	27.3	27.1
100,000 lb or more	29.7	34.7	34.2	47.7	32.7	34.8	32.4	27.1	27.4
SCTG 34, Machinery	5.8	11.8	11.2	7.5	12.8	13.7	10.1	22.5	21.9
Less than 50 lb	6.7	8.1	8.6	9.0	11.5	11.8	11.0	21.2	21.0
50 to 99 lb	10.8	13.3	15.1	9.5	12.0	11.6	13.8	19.4	17.6
100 to 499 lb	8.0	8.2	8.5	21.0	10.1	10.1	16.4	18.6	20.5
500 to 749 lb	28.1	36.5	32.9	S	S	S	28.0	20.5	19.2
750 to 999 lb	15.8	14.2	13.8	23.0	19.8	19.8	24.0	22.6	20.1
1,000 to 9,999 lb	9.4	5.8	5.9	9.6	11.7	11.3	27.1	13.7	12.8
10,000 to 49,999 lb	14.4	15.0	13.9	8.5	7.6	7.9	19.4	27.5	26.4
50,000 to 99,999 lb	41.6	24.9	25.5	37.5	45.7	46.0	S	38.1	37.5
100,000 lb or more	40.7	S	S	43.3	S	S	S	S	S
SCTG 35, Electronic and other electrical equipment and components and office equipment	7.1	7.6	7.7	7.4	8.3	8.1	9.4	23.8	24.4
Less than 50 lb	11.9	8.9	9.0	7.5	6.5	6.6	9.3	12.5	12.4
50 to 99 lb	16.6	10.2	10.9	9.3	13.9	12.9	11.3	10.3	10.1
100 to 499 lb	17.2	16.1	15.5	13.6	14.1	13.1	10.5	9.6	9.4
500 to 749 lb	13.8	13.7	13.1	29.3	17.3	17.4	18.2	16.7	16.1
750 to 999 lb	17.6	25.6	27.7	35.0	20.3	20.4	24.6	20.4	20.2
1,000 to 9,999 lb	12.4	12.3	12.7	10.6	10.8	10.9	26.0	46.4	47.5
10,000 to 49,999 lb	11.8	11.0	11.1	25.6	13.4	12.8	14.9	12.6	12.9
50,000 to 99,999 lb	49.1	S	S	31.2	29.5	30.2	S	S	S
100,000 lb or more	S	S	S	44.0	45.1	44.0	32.7	43.6	41.1

See footnotes at end of table.

Table B-10. Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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)	6.9	5.5	6.1	8.9	8.1	8.0	11.5	10.6	10.4
Less than 50 lb	7.7	12.1	12.8	12.0	12.0	11.8	15.4	16.7	16.9
50 to 99 lb	21.8	15.5	16.5	20.2	15.3	15.2	16.8	20.1	21.1
100 to 499 lb	14.1	11.3	11.6	20.4	11.0	11.2	18.0	17.9	17.9
500 to 749 lb	18.0	14.7	15.2	28.3	27.4	24.7	28.4	20.4	19.7
750 to 999 lb	22.2	16.7	16.5	40.4	24.4	24.9	S	34.4	35.2
1,000 to 9,999 lb	12.3	14.1	15.1	10.7	10.3	11.0	17.5	14.8	14.9
10,000 to 49,999 lb	9.5	7.6	8.4	10.0	7.7	7.9	14.0	17.7	17.6
50,000 to 99,999 lb	33.6	22.9	22.5	33.8	32.3	31.5	36.4	34.5	34.3
100,000 lb or more	47.1	31.9	36.8	S	S	S	S	S	S
SCTG 37, Transportation equipment, n.e.c.	23.1	20.4	23.9	20.7	S	S	30.9	21.8	31.1
Less than 50 lb	15.9	20.8	20.3	16.4	10.4	10.6	32.1	24.0	24.5
50 to 99 lb	17.7	17.7	19.0	44.4	27.8	27.8	S	25.9	26.2
100 to 499 lb	22.2	16.2	16.6	29.1	13.7	13.2	36.6	44.5	45.5
500 to 749 lb	37.6	27.6	27.0	35.1	40.7	40.1	45.4	28.5	28.1
750 to 999 lb	S	25.5	24.4	46.8	40.9	41.3	28.2	S	S
1,000 to 9,999 lb	44.0	41.0	48.4	S	32.8	32.7	28.2	19.1	20.0
10,000 to 49,999 lb	37.5	33.4	41.7	S	S	S	S	30.5	29.2
50,000 to 99,999 lb	43.7	48.6	49.7	S	S	S	S	S	S
100,000 lb or more	S	44.2	45.5	41.2	38.5	37.8	S	S	S
SCTG 38, Precision instruments and apparatus	18.0	11.2	11.1	6.4	10.8	10.4	9.2	19.9	18.8
Less than 50 lb	29.9	27.9	27.7	8.4	11.0	11.2	10.0	9.3	9.4
50 to 99 lb	10.9	12.5	11.9	12.7	15.9	16.2	16.8	13.1	13.0
100 to 499 lb	13.6	12.2	12.7	10.9	15.3	14.8	14.5	19.3	19.4
500 to 749 lb	21.3	20.6	20.1	23.9	20.4	20.7	25.9	25.9	25.5
750 to 999 lb	28.7	23.6	24.0	33.9	38.1	40.9	32.7	30.0	31.4
1,000 to 9,999 lb	12.8	19.4	19.1	23.3	22.1	20.9	27.0	41.9	40.1
10,000 to 49,999 lb	22.4	20.3	20.3	S	36.5	36.5	36.6	30.9	30.5
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	—	—	—	—	—	—	—	—	—
SCTG 39, Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs	7.8	11.6	11.6	10.7	17.9	19.0	8.0	13.6	14.0
Less than 50 lb	16.0	33.7	32.2	33.6	31.0	31.9	11.3	18.0	23.1
50 to 99 lb	27.9	24.3	24.4	42.3	33.7	34.9	36.2	26.4	24.3
100 to 499 lb	14.0	10.5	10.4	14.7	10.8	10.9	8.9	6.6	7.7
500 to 749 lb	18.9	14.9	15.0	19.9	16.3	16.1	13.9	12.2	12.2
750 to 999 lb	13.2	13.8	13.4	23.6	15.0	15.0	22.3	15.9	15.9
1,000 to 9,999 lb	13.7	10.2	9.7	14.0	9.1	9.1	11.0	11.3	11.7
10,000 to 49,999 lb	18.8	21.5	21.9	13.3	17.2	18.4	21.1	25.4	26.0
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 40, Miscellaneous manufactured products	7.1	13.5	14.0	8.6	21.6	22.3	3.9	18.4	17.9
Less than 50 lb	15.3	10.6	10.8	15.3	7.3	7.4	5.0	11.8	11.6
50 to 99 lb	11.8	13.7	14.0	10.2	10.5	10.3	15.2	10.6	10.5
100 to 499 lb	7.6	7.3	7.1	12.1	7.1	7.4	13.2	11.3	10.3
500 to 749 lb	9.7	9.4	10.3	19.5	15.7	15.9	16.6	39.1	37.8
750 to 999 lb	12.5	12.5	11.8	11.5	12.1	12.4	22.6	17.5	17.6
1,000 to 9,999 lb	9.4	35.2	35.6	12.4	34.9	34.5	8.5	41.4	41.0
10,000 to 49,999 lb	8.9	9.2	9.1	13.4	12.5	12.4	18.0	18.1	17.7
50,000 to 99,999 lb	42.5	S	S	37.9	41.2	42.9	S	S	S
100,000 lb or more	25.4	31.3	32.9	45.1	S	S	S	S	S
SCTG 41, Waste and scrap	15.6	12.9	13.3	22.3	18.7	17.6	26.5	33.4	33.3
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	42.7	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	44.7	44.7	32.9	S	S	S	S	S
10,000 to 49,999 lb	12.3	20.6	21.3	18.1	18.8	18.3	33.5	48.2	46.7
50,000 to 99,999 lb	47.5	33.5	35.2	47.2	39.3	38.9	S	44.3	44.4
100,000 lb or more	40.5	28.1	28.5	45.0	28.3	28.2	36.3	36.4	36.5
SCTG 43, Mixed freight	17.7	34.7	37.6	17.4	S	S	42.0	30.0	30.1
Less than 50 lb	48.4	49.7	S	43.7	43.7	42.4	43.2	39.9	44.6
50 to 99 lb	28.5	34.8	38.7	36.3	41.8	42.6	35.1	42.1	41.1
100 to 499 lb	29.8	24.6	24.0	32.3	30.1	29.8	33.9	S	48.1
500 to 749 lb	49.9	37.4	41.1	S	35.7	36.5	42.9	S	S
750 to 999 lb	S	S	S	41.3	41.1	41.1	37.8	35.5	36.0
1,000 to 9,999 lb	34.6	48.1	47.9	27.1	23.4	23.2	28.1	30.7	30.8
10,000 to 49,999 lb	19.0	18.5	19.1	22.1	22.2	21.7	S	38.3	38.5
50,000 to 99,999 lb	S	S	S	—	—	—	—	—	—
100,000 lb or more	S	S	S	S	S	S	—	—	—

See footnotes at end of table.

Table B-10. **Coefficients of Variation for Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped for the United States: 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	12.5	29.9	28.6	15.5	25.7	28.8	20.5	28.8	28.8
Less than 50 lb	17.7	23.0	21.9	26.2	23.4	23.9	18.9	24.1	24.6
50 to 99 lb	43.8	23.8	24.5	47.7	48.4	47.8	34.3	33.3	39.2
100 to 499 lb	25.2	48.1	46.9	22.9	22.1	22.3	31.4	22.0	22.5
500 to 749 lb	33.7	33.8	31.9	S	45.3	46.0	S	34.7	33.9
750 to 999 lb	37.6	28.0	28.6	S	44.3	43.8	35.4	26.9	27.1
1,000 to 9,999 lb	37.9	18.0	18.5	30.4	34.1	34.7	27.2	33.7	33.4
10,000 to 49,999 lb	19.1	25.0	26.3	29.1	23.4	23.0	46.2	36.3	36.7
50,000 to 99,999 lb	—	—	—	S	S	S	—	—	—
100,000 lb or more	40.0	S	47.8	S	S	S	S	S	S

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

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

Appendix C.

Sample Design, Data Collection, and Estimation

INTRODUCTION

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

SAMPLE DESIGN

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

First Stage

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

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit

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

Establishments not selected with certainty make up 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](mailto: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.

**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 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.

<div style="border: 1px solid black; width: 100%; height: 100%;"></div>	This number should reflect all shipments and deliveries leaving this location during the one-week reporting period. <i>Please see Instruction Guide for a definition of "shipment."</i>
---	---

DO NOT PROCEED UNTIL YOU HAVE COMPLETED ITEM D.

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

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)		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)
		Month	Day					
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

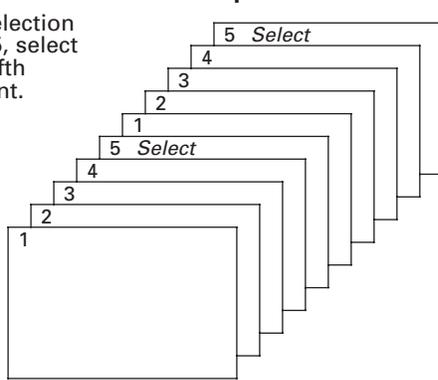
4 — Railroad
Continued →

SELECTING YOUR SAMPLE OF SHIPMENTS

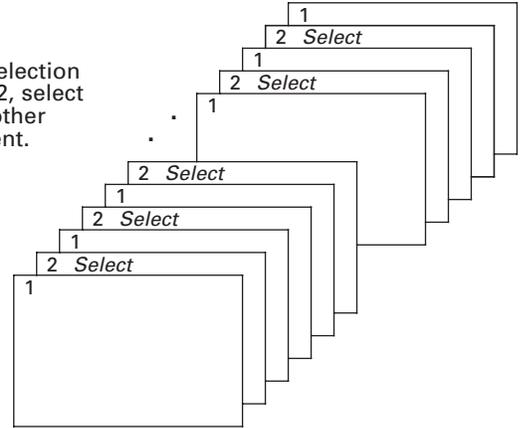
1. Use the file or combination of files that best reflects your full range of outbound shipping activities.
2. Begin with the first shipment. Count the shipments until you reach your selection rate. Select this shipment to report on in item F.
3. Continue counting with the next shipment. Count this shipment 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)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination <i>(for export shipments only)</i> Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode	Line No.
	(i)	(j)				(k)	(l)			(m)		(n)	(o)
	City	State	ZIP Code			City	Country		
N	Los Angeles	C A	9 0 0 4 0	2, 4, 3	N				0
N	New York	N Y	1 0 4 5 4	5	Y	London	England	6	00
									1
									2
									3
									4
									5
									6
									7
									8
									9

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

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		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)
		Month	Day					
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 →

Contaminized? (Y/N)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination <i>(for export shipments only)</i>		Export mode	Line No.
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
									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

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		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)
		Month	Day					
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 — <i>Please print</i>	Telephone number — <i>Include area code</i>	Date
Signature	Title	

**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 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. <i>Please see Instruction Guide for a definition of "shipment."</i>
--	---

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

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)		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)
		Month	Day					
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						| | | |		| | | |

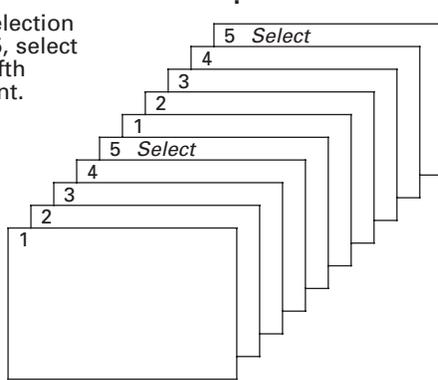
Mode of transport codes for columns (k) and (n) **1** — Parcel delivery, courier, or U.S. Postal Service **2** — Private truck **3** — For-hire truck **4** — Railroad *Continued* →

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

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

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		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)
		Month	Day					
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)	U.S. destination <i>(Complete for all shipments.)</i>			Mode(s) of transport to U.S. destination <i>Enter all that apply in order used. Use codes below.</i>	Export? (Y/N)	Foreign destination <i>(for export shipments only)</i> Note: In column (j) enter the U.S. port, airport, or border crossing of exit.		Export mode (n)	Line No. (o)
	(j)					(m)			
(i)	City	State	ZIP Code	(k)	(l)	City	Country	(n)	(o)
									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

Item F SHIPMENT CHARACTERISTICS — Continued

Line No. (a)	Shipment ID Number (b)	Shipment date (c)		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)
		Month	Day					
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 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
2. Dock on the Great Lakes	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
3. Dock on inland water	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
4. Dock on deep sea water	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
5. Airport/landing strip capable of handling your shipments	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
6. Pipeline terminal	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No

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

5 — Shallow draft vessel **7** — Pipeline **9** — Other mode
6 — Deep draft vessel **8** — Air **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 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		
2. Dock on the Great Lakes	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		
3. Dock on inland water	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		
4. Dock on deep sea water	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		
5. Airport/landing strip capable of handling your shipments	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		
6. Pipeline terminal	1 <input type="checkbox"/> Yes → 2 <input type="checkbox"/> No		

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

PLEASE CONTINUE ON PAGE 8.

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.	Shipment ID Number	Shipment date		Shipment value (excluding shipping costs) in whole dollars	Shipment weight in pounds	Commodity code from SCTG Manual	Commodity description
		Month	Day				
(a)	(b)	(c)	(c)	(d)	(e)	(f)	(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 →
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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 <i>Enter all that apply using codes shown below.</i> (k)
		City	State	ZIP Code	
	N	Los Angeles	C A	9 | 0 | 0 | 4 | 0	2, 4, 3
	N	New York	N Y	1 | 0 | 4 | 5 | 4	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 vessels.

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.

