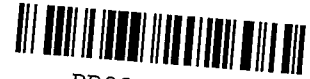




U.S. Department
of Transportation

**Bureau of
Transportation
Statistics**



PB98-132657

Freight Transportation in North Dakota

Selected Data from Federal Sources

October 1996

REPRODUCED BY:
U.S. Department of Commerce
National Technical Information Service
Springfield, Virginia 22161

NTIS

Bureau of Transportation Statistics

T. R. Lakshmanan, Director

The Bureau of Transportation Statistics (BTS), established by the Intermodal Surface Transportation Efficiency Act of 1991, is an operating administration of the U.S. Department of Transportation (DOT). The Bureau is responsible for compiling, analyzing, and disseminating information on the nation's transportation systems. The Bureau collects information on intermodal transportation and other topics as needed. BTS is also responsible for enhancing the quality and effectiveness of DOT's statistical programs through research and improvements in data acquisition and use.

Product Orders and General Number

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Preface

Welcome to the State Freight Transportation Profile. This report presents information on freight transportation in North Dakota and is part of a series of reports covering all 50 States. The purpose of the report is to present the major Federal databases related to State freight movements. Along with tables generated for each State, this report gives descriptions of the databases, information on access and formats, and contact points.

The database descriptions are based on entries in the Bureau of Transportation Statistics' (BTS) *Directory of Transportation Data Sources*. This publication provides users with a comprehensive inventory of transportation data sources within the Department of Transportation, other Federal government agencies, U.S. private transportation organizations, and Canadian and Mexican government agencies.

This report was prepared by Felix Ammah-Tagoe and David Mednick under the direction of Rolf R. Schmitt, Associate Director for Transportation Studies. Oak Ridge National Laboratory (ORNL) prepared many of the tables and provided valuable assistance in compiling this report. Additional copies of this report may be obtained by contacting the Bureau of Transportation Statistics at (202) 366-3282, by faxing (202) 366-3640, or by e-mailing orders@bts.gov.

BTS plans to publish State profiles on other transportation topics as well. Because this is a new product, reader and user feedback is particularly essential to continued improvement. Please use the comment form enclosed or send comments to info@bts.gov.

Transportation Facilities

National Transportation Atlas Databases–1996

Abstract

The National Transportation Atlas Databases—1996 (NTAD96) is a set of national geographic databases of transportation facilities. These databases include geospatial information for transportation modal networks and intermodal terminals, and related attribute information. Included are descriptions of the file formats and database metadata as prescribed by the Federal Geographic Data Committee (FGDC). The data support research, analysis, and decision making across all modes of transportation. The databases are most useful at the national level, but have major applications at regional, state, and local scale throughout the transportation community.

Source of Data

The databases were compiled from many parts of the U.S. Department of Transportation, Oak Ridge National Laboratory, the U.S. Army Corps of Engineers, and the National Park Service.

Attributes

Geographic Coverage of Data: United States
First Developed: 1995
Update Frequency: Annual
File Format: ASCII, dBase
Media: CD-ROM, Internet

Significant Features/Limitations

The NTAD96 is available in both MS-DOS and UNIX compatible CD-ROM format. The files are also available on the Internet. The databases are designed for use within a geographic information system (GIS). Users should check the BTS world wide web site (www.bts.gov) for corrections and addenda.

Sponsoring Organization

Department of Transportation, Bureau of Transportation Statistics

Performing Organization

Oak Ridge National Laboratory, Vanderbilt University, and University of Tennessee Transportation Center

Availability

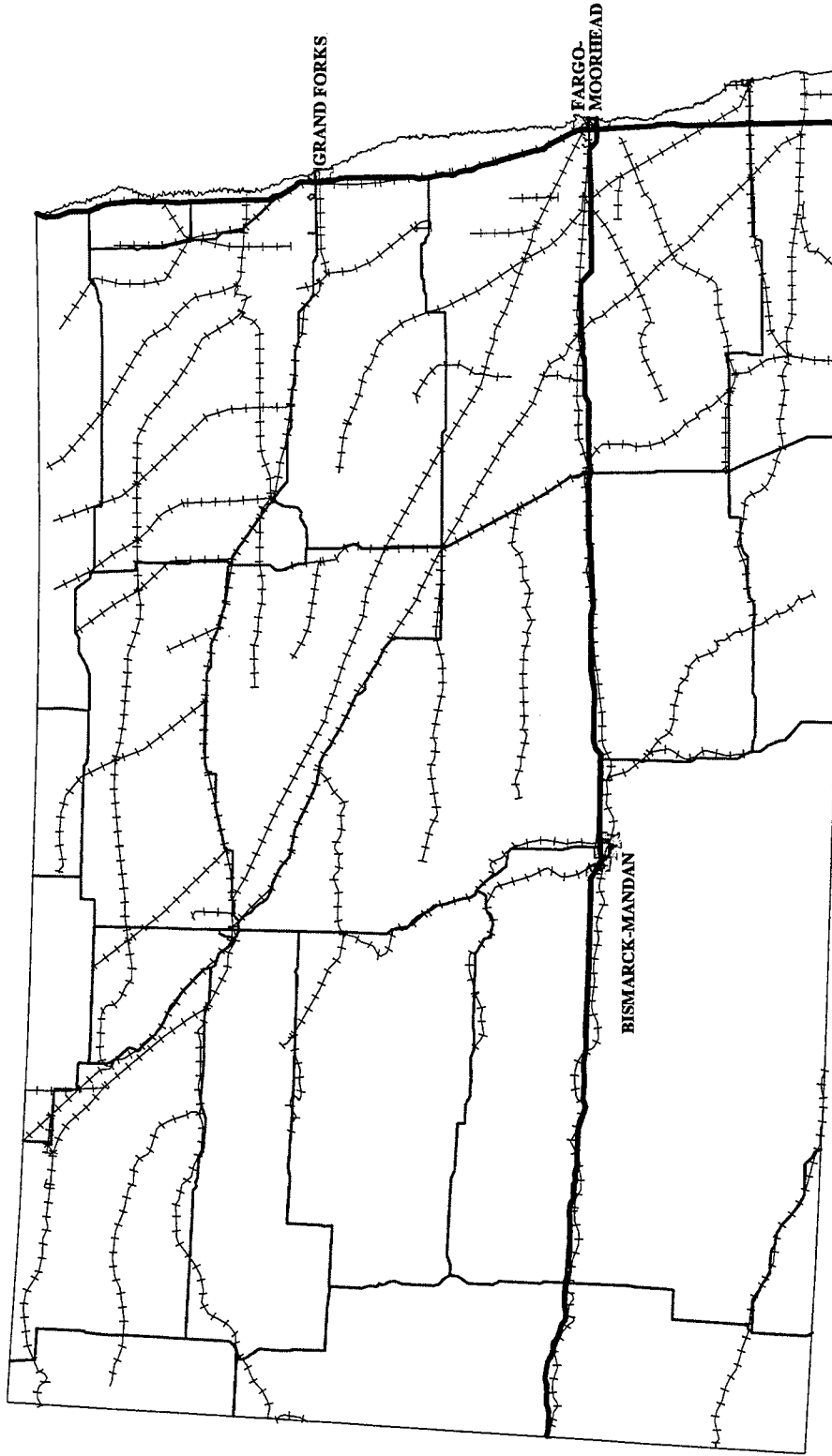
CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

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NORTH DAKOTA MAJOR TRANSPORTATION FACILITIES



- Interstate Highway
- Other National Highway System
- - - Rail Line
- ⊗ Major Airport
- ⊕ Major Port
- ⊕ Urban Area with Rail Transit

Data provided by the U.S. Department of Transportation agencies, the U.S. Army Corps of Engineers, and the National Park Service, and are current as of 1995. Major airports are those that reported more than 250,000 enplanements in 1994. Major ports are those that handled more than one million tons of freight in 1994. Urban area with rail transit denotes urban areas with heavy- or light-rail transit.



U.S. Department
of Transportation
**Bureau of
Transportation Statistics**

Commodity Movements

Commodity Flow Survey

Abstract

The Commodity Flow Survey (CFS) provides data on the movement of freight by type of commodity shipped and by mode of transport. The CFS is a continuation of statistics collected in the Commodity Transportation Survey from 1963 through 1977, and includes major improvements in methodology, sample size and scope. The Bureau of the Census used a sample of 200,000 domestic establishments randomly selected from a universe of about 800,000 in manufacturing, mining, wholesale, and some selected activities in retail and service. Each selected establishment reported a sample of shipments for a two-week period in each of the four calendar quarters of 1993. This produced a total sample of about 12 million shipments. For each sampled shipment, respondents reported domestic origin and destination, Standard Transportation Commodity Classification (STCC) code, weight, value, and modes of transport. Respondents also provided information on whether the commodity was shipped in a container, a hazardous material, or an export.

Source of Data

A sample of manufacturing, mining, wholesale, auxiliary warehouses, and selected retail and service establishments completed a questionnaire.

Attributes

Geographic Coverage of Data: U.S. totals, state, 89 National Transportation Analysis Regions (combination of Bureau of Economic Analysis Economic Areas)

First Developed: 1993

Update Frequency: Quinquennial (next planned survey year is 1997)

File Format: Aggregate data only will be released

Media: CD-ROM, Printed source, Internet

Significant Features/Limitations

The 1993 CFS differs from previous surveys in expanded coverage of intermodal transportation, additional industry coverage, and more detailed geographic levels. Earlier surveys reported only the principal mode. The 1993 survey asked for all modes used for the shipment (for-hire truck, private truck, rail, water, pipeline, air, parcel delivery or U.S. Postal Service, other mode, unknown). The 1993 CFS produces data at the U.S., state, and National Transportation Analysis Region (NTAR) levels. There are 89 NTARs, comprised of BEA Economic Areas covering the United States.

The 1993 CFS does not cover shipments of crude petroleum and imports, which primarily affect water transportation and pipelines. Oak Ridge National Laboratory has estimated commodity flows for these two categories. Also, the Survey does not cover establishments classified in the Standard Industrial Classification as farms, forestry, fisheries, oil and gas extraction, governments, construction, transportation, households, foreign establishments, and most retail and service businesses. Furthermore, the CFS does not cover data on shipments originating in Puerto Rico and other U.S. territories and possessions. Commodities that are shipped from a foreign location to another foreign destination, through the United States (e.g., from Canada to Mexico) are also excluded from the Survey.

Corresponding Print Source

1993 Commodity Flow Survey: U. S. Preliminary Report (by Census Bureau)

1993 Commodity Flow Survey: Area Reports for 50 States (by Census Bureau)

1993 Commodity Flow Survey: Preliminary Observations (by the Bureau of Transportation Statistics)

1993 Commodity Flow Survey: State Summaries (by the Bureau of Transportation Statistics)

Sponsoring Organization

U.S. Department of Transportation, Bureau of Transportation Statistics; and the U.S. Department of Commerce, Bureau of the Census

Performing Organization

Department of Commerce, Bureau of the Census; and Oak Ridge National Laboratory

Availability

CD-ROM and Printed Sources: Bureau of the Census, Commodity Flow Survey Branch, Services Division, Washington, DC 20233; (301) 457-2805.

CD-ROM and Printed Sources: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Internet: www.bts.gov.

Contact for Additional Information

John Fowler
Chief, Commodity Flow Survey Branch
DOC/Bureau of the Census, Services Division
(301) 457-2108, Fax: (301) 457-4491

Commodity Movements Originating in North Dakota Summary of 1993 CFS

In North Dakota, the CFS measured \$11 billion of goods weighing 61 million tons. North Dakota accounted for approximately 0.2 percent of the value and 0.6 percent of the weight of total U.S. shipments. (See attached table.) The CFS data cover shipments by establishments in mining, manufacturing, wholesale, and selected retail and service industries. The data exclude most shipments of crude oil; therefore, the totals and percentages do not fully reflect the contribution of pipeline shipments.

The major commodities shipped by establishments vary when ranked by value and by weight of the shipments. The main commodities shipped from North Dakota by value were: farm products; food or kindred products; machinery, including computers; petroleum or coal products; and chemicals or allied products. The top commodity shipped by weight was farm products. Other important commodities shipped by weight were: petroleum or coal products; food or kindred products; nonmetallic minerals; and clay, concrete, glass, or stone products.

Local transportation of freight is important to North Dakota's commerce. The distribution of commodities by domestic destination and distance of shipments reflects the importance of local transport. The CFS shows that in 1993, about 38 percent of the value and 56 percent of the weight of total shipments from North Dakota were shipped to destinations within the

state. About 22 percent of the value and about 45 percent of the weight of all shipments were between places less than 50 miles apart. In comparison, about 30 percent of the value and 56 percent of the weight of total U.S. shipments were between places less than 50 miles apart. In North Dakota, about 35 percent of the value of shipments and 54 percent of the weight of shipments were between places less than 100 miles apart.

About 62 percent of the value and about 44 percent of the weight of all shipments from North Dakota went to other states. The most important destinations by value and weight of shipments was Minnesota. Other important destinations by value were: Wisconsin, Texas, South Dakota, and Illinois. Other important destinations by weight were: South Dakota, Wisconsin, Oregon, and Texas.

A large proportion of commodities were moved by truck, about 63 percent of the value and 29 percent of the weight. Rail accounted for about 20 percent of the value and 36 percent of the weight of shipments. The CFS data confirm the rising importance of parcel, U.S. postal, and courier services that have emerged in recent years. In 1993, this mode of transport was used to ship 36,000 tons of goods worth about \$603 million or 6 percent of the value of all shipments in North Dakota. In comparison, about 9 percent of the value of total U.S. shipments were moved by this mode.

1993 Commodity Flow Survey State Summary: North Dakota
 Tabulation by the Bureau of Transportation Statistics, U.S. Department of Transportation

| Summary | Value | Weight |
|---|----------------|-------------------|
| Total shipments originating in North Dakota | \$10.5 billion | 60.8 million tons |
| Percent of total U.S. shipments (preliminary U.S. estimate) | 0.2 | 0.6 |

| Commodity Shipments Originating in North Dakota Ranked by Value | | Commodity Shipments Originating in North Dakota Ranked by Weight | |
|---|------------------|--|-------------------|
| Commodity | Percent of value | Commodity | Percent of weight |
| Farm products | 25.8 | Farm products | 31.5 |
| Food or kindred products | 25.3 | Petroleum or coal products | 13.7 |
| Machinery, including computers | 10.6 | Food or kindred products | 6.6 |
| Petroleum or coal products | 9.3 | Nonmetallic minerals | 3.3 |
| Chemicals or allied products | 4.9 | Clay, concrete, glass, or stone products | 2.2 |
| Other commodities | 24.1 | Other commodities | 42.6 |
| Total | 100.0 | Total | 100.0 |

| Domestic Destinations of Shipments Originating in North Dakota Ranked by Value | | Domestic Destinations of Shipments Originating in North Dakota Ranked by Weight | |
|--|------------------|---|-------------------|
| State | Percent of value | State | Percent of weight |
| North Dakota | 37.5 | North Dakota | 56.1 |
| Minnesota | 27.4 | Minnesota | 21.7 |
| Wisconsin | 3.3 | South Dakota | 6.1 |
| Texas | 3.2 | Wisconsin | 2.7 |
| South Dakota | 3.1 | Oregon | 1.6 |
| Illinois | 2.6 | Texas | 1.6 |
| Other States | 22.9 | Other States | 10.2 |
| Total | 100.0 | Total | 100.0 |

| Modes of Transportation for Shipments Originating in North Dakota | | |
|---|------------------|-------------------|
| Modes | Percent of value | Percent of weight |
| Parcel, U.S. Postal Service, or courier service | 5.7 | 0.1 |
| Truck (for-hire, private, and both private truck and for-hire truck) | 63.2 | 28.6 |
| Air (including truck and air) | 0.1 | - |
| Rail | 19.5 | 35.7 |
| Water (inland water, Great Lakes, deep sea, truck and water, and rail and water) | - | - |
| Pipeline* | ** | ** |
| Truck and rail intermodal combination | ** | ** |
| Other intermodal (truck and pipeline, inland and Gt. Lakes, inland and deep sea) | - | - |
| Other, unknown, and withheld for sampling and disclosure reasons | 11.5 | 35.6 |
| Total | 100.0 | 100.0 |

| Domestic Distance Shipped for Commodities Originating in North Dakota | | |
|---|------------------|-------------------|
| Distance | Percent of value | Percent of weight |
| Less than 50 miles | 22.0 | 44.7 |
| 50 to 99 miles | 12.9 | 9.3 |
| 100 to 249 miles | 25.0 | 14.5 |
| 250 to 499 miles | 12.7 | 17.4 |
| 500 to 749 miles | 8.4 | 5.1 |
| 750 to 999 miles | 5.3 | ** |
| 1,000 to 1,499 miles | 13.2 | 7.0 |
| 1,500 to 1,999 miles | 0.6 | 0.1 |
| 2,000 miles or more | - | - |
| Total | 100.0 | 100.0 |

* CFS data for pipelines exclude most shipments of crude oil.

** Some or all data suppressed to avoid disclosure or because data are statistically unreliable.

- Represents zero or less than 1 unit of measurement.

NOTE: Data are estimates based on a sample and subject to error. See Appendix B, "Reliability of the Data," in source document.

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1992 Census of Transportation, Communications, and Utilities, 1993 Commodity Flow Survey, TC92-CF (Washington, DC: 1996).

90-Percent Confidence Intervals for 1993 Commodity Flow Survey State Summary: North Dakota
 Tabulation by the Bureau of Transportation Statistics, U.S. Department of Transportation

| Summary | Value | Weight |
|--|--------------|---------------|
| Total shipments originating in North Dakota (in billion \$ and million tons) | 9.19 - 11.81 | 45.60 - 76.00 |
| Percent of total U.S. shipments (preliminary U.S. estimate) | 0.15 - 0.20 | 0.46 - 0.77 |

| Commodity Shipments Originating in North Dakota Ranked by Value | | Commodity Shipments Originating in North Dakota Ranked by Weight | |
|---|------------------|--|-------------------|
| Commodity | Percent of value | Commodity | Percent of weight |
| Farm products | 18.5 - 33.1 | Farm products | 19.6 - 43.4 |
| Food or kindred products | 19.3 - 31.3 | Petroleum or coal products | 8.1 - 19.4 |
| Machinery, including computers | 8.4 - 12.9 | Food or kindred products | 4.7 - 8.4 |
| Petroleum or coal products | 4.5 - 14.0 | Nonmetallic minerals | 0.7 - 5.9 |
| Chemicals or allied products | 3.5 - 6.4 | Clay, concrete, glass, or stone products | 1.3 - 3.2 |
| Other commodities | (NA) | Other commodities | (NA) |
| Total | (X) | Total | (X) |

| Domestic Destinations of Shipments Originating in North Dakota Ranked by Value | | Domestic Destinations of Shipments Originating in North Dakota Ranked by Weight | |
|--|------------------|---|-------------------|
| State | Percent of value | State | Percent of weight |
| North Dakota | 33.4 - 41.6 | North Dakota | 45.4 - 66.8 |
| Minnesota | 22.6 - 32.2 | Minnesota | 15.5 - 28.0 |
| Wisconsin | 2.3 - 4.3 | South Dakota | 0.3 - 11.9 |
| Texas | 2.1 - 4.4 | Wisconsin | 0.0 - 5.7 |
| South Dakota | 2.3 - 3.9 | Oregon | 0.1 - 3.1 |
| Illinois | 1.6 - 3.6 | Texas | 0.0 - 3.4 |
| Other States | (NA) | Other States | (NA) |
| Total | (X) | Total | (X) |

| Modes of Transportation for Shipments Originating in North Dakota | | |
|---|------------------|-------------------|
| Modes | Percent of value | Percent of weight |
| Parcel, U.S. Postal Service, or courier service | 4.7 - 6.7 | (X) |
| Truck (for-hire, private, and both private truck and for-hire truck) | 57.6 - 68.8 | 23.3 - 33.9 |
| Air (including truck and air) | (X) | (X) |
| Rail | 16.5 - 22.5 | 23.7 - 47.7 |
| Water (inland water, Great Lakes, deep sea, truck and water, and rail and water) | (X) | (X) |
| Pipeline* | (X) | (X) |
| Truck and rail intermodal combination | (X) | (X) |
| Other intermodal (truck and pipeline, inland and Gt. Lakes, inland and deep sea) | (X) | (X) |
| Other, unknown, and withheld for sampling and disclosure reasons | 9.4 - 13.6 | 21.1 - 50.1 |
| Total | (X) | (X) |

| Domestic Distance Shipped for Commodities Originating in North Dakota | | |
|---|------------------|-------------------|
| Distance | Percent of value | Percent of weight |
| Less than 50 miles | 18.7 - 25.3 | 31.5 - 57.9 |
| 50 to 99 miles | 10.3 - 15.5 | 0.0 - 19.0 |
| 100 to 249 miles | 21.6 - 28.5 | 11.1 - 18.0 |
| 250 to 499 miles | 9.7 - 15.7 | 10.5 - 24.3 |
| 500 to 749 miles | 6.8 - 10.1 | 1.3 - 8.9 |
| 750 to 999 miles | 4.2 - 6.5 | (X) |
| 1,000 to 1,499 miles | 10.7 - 15.7 | 3.7 - 10.3 |
| 1,500 to 1,999 miles | 0.4 - 0.8 | (X) |
| 2,000 miles or more | (X) | (X) |
| Total | (X) | (X) |

* CFS data for pipelines exclude most shipments of crude oil.

NA Not available.

X Not applicable.

NOTE: For explanation of 90-percent confidence intervals see Appendix B, "Reliability of the Data," in source document.

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1992 Census of Transportation, Communications, and Utilities, 1993 Commodity Flow Survey, TC92-CF (Washington, DC: 1996).

1993 Commodity Flow Survey
Out-of-State Shipments as Percent of State's Total Shipments

| State | Percent of value | Percent of weight |
|---------------------|---------------------|-------------------|
| Alabama | 66.2 | 28.8 |
| Alaska | 19.2 | 17.4 |
| Arizona | 57.3 | 23.0 |
| Arkansas | 73.7 | 41.0 |
| California | 38.8 | 8.8 |
| Colorado | 57.6 | 23.8 |
| Connecticut | 79.2 | 23.0 |
| Delaware | 85.2 | 72.2 |
| Florida | 36.8 | 18.2 |
| Georgia | 66.8 | 28.3 |
| Hawaii | 7.4 | 10.8 |
| Idaho | 68.2 | 35.5 |
| Illinois | 66.0 | 42.6 |
| Indiana | 71.6 | 43.9 |
| Iowa | 64.9 | 39.6 |
| Kansas | 74.7 | 46.2 |
| Kentucky | 75.6 | 51.0 |
| Louisiana | 50.7 | 33.6 |
| Maine | 65.5 | 27.2 |
| Maryland | 69.0 | 43.4 |
| Massachusetts | 66.5 | 28.3 |
| Michigan | 52.1 | 26.1 |
| Minnesota | 60.0 | 41.3 |
| Mississippi | 71.3 | 43.9 |
| Missouri | 73.5 | 36.6 |
| Montana | 47.0 | 57.8 |
| Nebraska | 70.9 | 51.0 |
| Nevada | 74.1 | 19.0 |
| New Hampshire | 77.8 | ** |
| New Jersey | 68.7 | 40.6 |
| New Mexico | 51.7 | 40.3 |
| New York | 58.8 | 23.8 |
| North Carolina | 61.9 | 30.4 |
| North Dakota | 62.5 | 43.9 |
| Ohio | 62.5 | 30.0 |
| Oklahoma | 65.5 | 45.1 |
| Oregon | 58.5 | 19.8 |
| Pennsylvania | 64.7 | 38.1 |
| Rhode Island | 79.1 | 45.8 |
| South Carolina | 69.5 | 36.5 |
| South Dakota | 60.0 | 44.9 |
| Tennessee | 74.4 | 39.2 |
| Texas | 40.0 | 16.3 |
| Utah | 63.8 | 19.2 |
| Vermont | 65.8 | 31.9 |
| Virginia | 63.5 | 28.4 |
| Washington | 44.2 | 16.2 |
| West Virginia | 74.6 | 63.7 |
| Wisconsin | 64.9 | 30.5 |
| Wyoming | 70.8 | 84.3 |

** Some or all data suppressed to avoid disclosure or because data are statistically unreliable.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities, 1993 Commodity Flow Survey, TC92-CF* (Washington, DC: 1996).

1993 Commodity Flow Survey
Shipments to North Dakota from Neighboring States

| State of origin | Value (million dollars) | Weight (thousand tons) | Percent value of state's shipments* | Percent weight of state's shipments* |
|-----------------|----------------------------|---------------------------|--|---|
| Minnesota | 1,874 | 2,183 | 1.7 | 1.1 |
| Montana | 124 | 554 | 1.2 | 0.7 |
| South Dakota | 170 | 638 | 1.8 | 2.5 |
| Wyoming | 31 | 73 | 0.3 | - |

* Percentages are based on total shipments originating in neighboring states.
 - Data do not meet publication standards.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities, 1993 Commodity Flow Survey*, TC92-CF, 1996 (Washington, DC: 1996).

Exports To and Imports From Canada and Mexico

Surface Transborder Commodity Data

Abstract

The Bureau of Census provides the Bureau of Transportation Statistics with unpublished freight flow data by commodity type by mode of transportation (rail, truck or pipeline) for U.S. exports and imports to and from Canada and Mexico. The purpose of this program is to provide information needed to monitor increased traffic associated with the North American Free Trade Agreement and provide border communities better data to plan transportation improvements.

Source of Data

U.S. Department of Commerce/Bureau of the Census, Foreign Trade Division.

Attributes

Geographic Coverage of Data: U.S., Canadian, Mexican totals
Time Span of Data Source: 04/93-03/95
First Developed: 1993
Update Frequency: Annual
File Format: dBase
Media: CD-ROM

Significant Features/Limitations

Files are organized by commodity detail or by geographic detail to satisfy Census confidentiality regulations.

Sponsoring Organization

U.S. Department of Transportation, Bureau of Transportation Statistics

Availability

CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

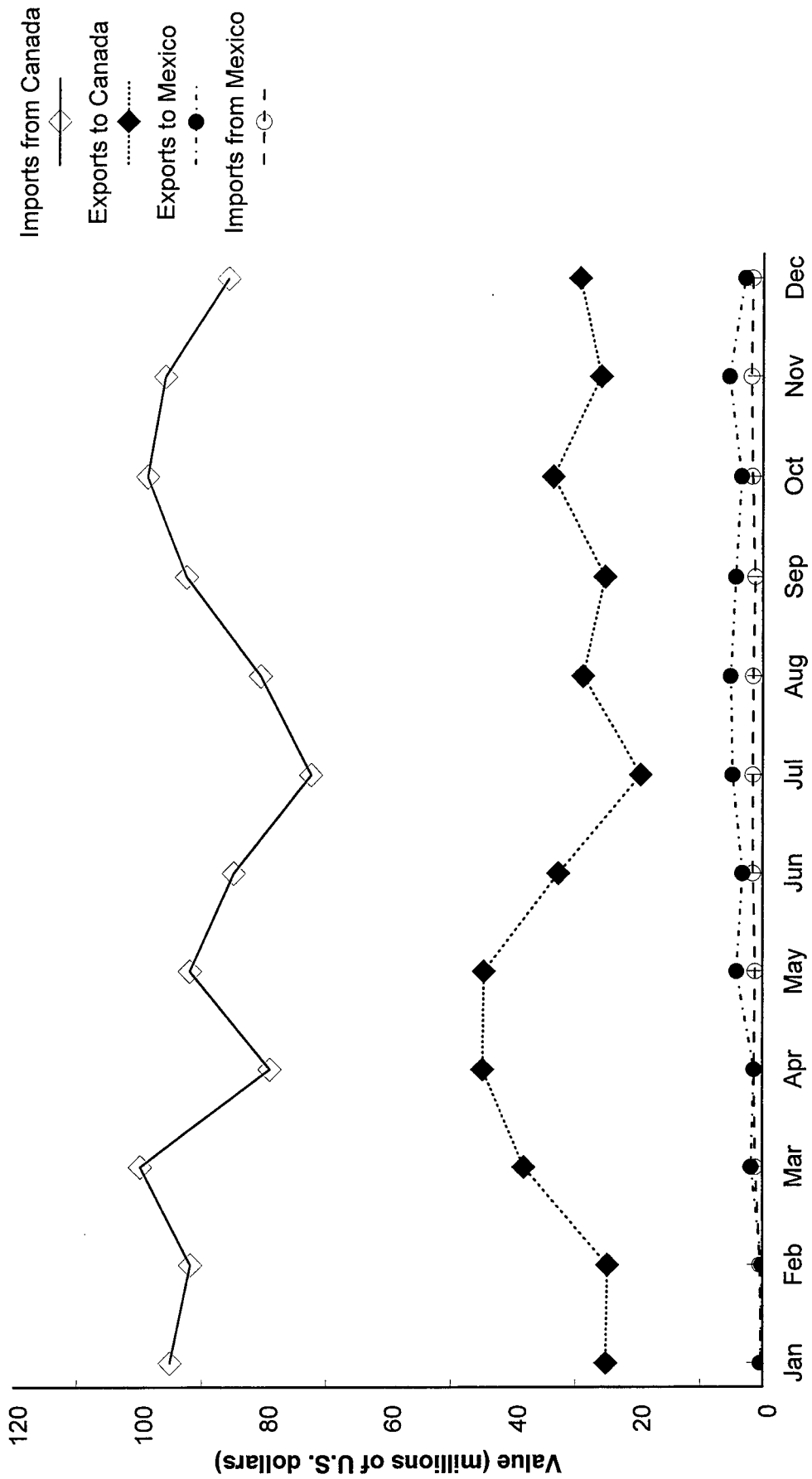
Internet: www.bts.gov (monthly data after 3/95)

Contact for Additional Information

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DOT/FRA, RRP-31
(202) 632-3139, Fax: (202) 632-3705

TransBorder Surface Freight Data, North Dakota, 1995



Source: U.S. Department of Transportation, Bureau of Transportation Statistics, *TransBorder Surface Trade Flow Data* (Washington, DC: 1996).

TransBorder Surface Freight Data, 1995
(million dollars)

| State | Export to | | Import from | |
|----------------------|----------------|---------------|----------------|---------------|
| | Canada | Mexico | Canada | Mexico |
| Alabama | 1,043 | 176 | 781 | 434 |
| Alaska | 71 | 2 | 110 | 4 |
| Arizona | 561 | 2,076 | 444 | 3,123 |
| Arkansas | 605 | 96 | 666 | 94 |
| California | 5,648 | 6,287 | 5,198 | 9,052 |
| Colorado | 646 | 106 | 785 | 94 |
| Connecticut | 1,428 | 300 | 1,341 | 309 |
| Delaware | 663 | 145 | 437 | 64 |
| District of Columbia | 32 | 7 | 111 | 0 |
| Florida | 1,259 | 277 | 1,361 | 414 |
| Georgia | 1,672 | 392 | 1,800 | 519 |
| Hawaii | 7 | 1 | 142 | 3 |
| Idaho | 241 | 40 | 340 | 21 |
| Illinois | 7,776 | 876 | 8,299 | 1,382 |
| Indiana | 5,262 | 232 | 2,521 | 2,382 |
| Iowa | 1,539 | 191 | 897 | 57 |
| Kansas | 1,054 | 324 | 599 | 52 |
| Kentucky | 2,195 | 141 | 2,346 | 580 |
| Louisiana | 642 | 132 | 362 | 55 |
| Maine | 562 | 11 | 1,337 | 30 |
| Maryland | 1,094 | 46 | 917 | 53 |
| Massachusetts | 3,155 | 172 | 4,072 | 249 |
| Michigan | 16,723 | 2,980 | 42,214 | 9,677 |
| Minnesota | 2,527 | 143 | 4,686 | 177 |
| Mississippi | 406 | 171 | 314 | 231 |
| Missouri | 1,647 | 379 | 1,537 | 490 |
| Montana | 157 | 19 | 693 | 6 |
| Nebraska | 463 | 109 | 374 | 45 |
| Nevada | 159 | 11 | 254 | 28 |
| New Hampshire | 386 | 44 | 558 | 36 |
| New Jersey | 2,870 | 371 | 3,104 | 741 |
| New Mexico | 31 | 50 | 70 | 103 |
| New York | 9,406 | 637 | 12,454 | 1,344 |
| North Carolina | 3,275 | 759 | 2,362 | 1,237 |
| North Dakota | 373 | 37 | 1,068 | 16 |
| Ohio | 10,386 | 596 | 7,238 | 1,992 |
| Oklahoma | 560 | 131 | 319 | 120 |
| Oregon | 1,468 | 74 | 1,581 | 39 |
| Pennsylvania | 4,673 | 594 | 5,028 | 505 |
| Rhode Island | 302 | 25 | 607 | 32 |
| South Carolina | 1,494 | 183 | 937 | 742 |
| South Dakota | 120 | 6 | 198 | 10 |
| Tennessee | 2,609 | 467 | 2,303 | 2,153 |
| Texas | 5,485 | 18,745 | 4,113 | 14,237 |
| Utah | 332 | 66 | 611 | 21 |
| Vermont | 2,460 | 9 | 3,682 | 7 |
| Virginia | 1,408 | 162 | 1,615 | 233 |
| Washington | 9,582 | 139 | 4,388 | 113 |
| West Virginia | 356 | 22 | 464 | 46 |
| Wisconsin | 3,749 | 279 | 3,965 | 196 |
| Wyoming | 52 | 7 | 72 | 1 |
| Unidentified states | 9,271 | 3,416 | 1,992 | 598 |
| U.S. Total | 129,884 | 42,661 | 143,669 | 54,146 |

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics, *TransBorder Surface Trade Flow Data* (Washington, DC: 1996).

Rail Shipments

Rail Waybill Data, 1988-1992

Abstract

This database contains public-use, aggregate, non-confidential rail shipment data such as origin and destination points, type of commodity, number of cars, tons, revenue, length of haul, participating railroads, and interchange locations. The data are based on the Carload Waybill Sample, which is a proprietary sample of freight waybills that were submitted to the Interstate Commerce Commission (now the Surface Transportation Board) by Class I Railroads.

Source of Data

Class I Railroads.

Attributes

Geographic Coverage of Data: U.S. Class I Railroads
Time Span of Data Source: 1988-1992
First Developed: 1994
Media: CD-ROM

Sponsoring Organization

U.S. Department of Transportation, Bureau of Transportation Statistics

Availability

CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Internet: www.bts.gov

Contact for Additional Information

Staff
DOT/BTS, K-10
(202) 366-3282, Fax: (202) 366-3640
E-mail: info@bts.gov

Rail Shipments From and To North Dakota, 1994*

| Originated within North Dakota: major commodities shipped by rail, ranked by weight | | |
|---|------------|------------------------|
| Commodity | Tonnage | Percent of state total |
| Farm products | 11,863,773 | 54 |
| Coal | 6,952,174 | 32 |
| Food products | 1,868,552 | 9 |
| Chemicals | 935,414 | 4 |
| Petroleum or coal products | 146,860 | 1 |

| Terminated within North Dakota: major commodities shipped by rail, ranked by weight | | |
|---|-----------|------------------------|
| Commodity | Tonnage | Percent of state total |
| Coal | 5,040,360 | 60 |
| Chemicals | 1,002,228 | 12 |
| Farm products | 837,804 | 10 |
| Nonmetallic minerals | 534,308 | 6 |
| Glass and stone products | 316,720 | 4 |

*The five largest (by tonnage terminated and originated) of the 36 two-digit Standard Transportation Commodity Code groupings, and the percentage that commodity represents of all tonnage handled within the state.

SOURCE: Rail Waybill Data, compiled by the DOT Surface Transportation Board (formerly part of the Interstate Commerce Commission) and the DOT Federal Railroad Administration (Washington, DC: 1996).

Waterborne Commerce

Origin and Destination of Waterborne Commerce of the United States, Public Domain Data

Abstract

This database contains aggregated information that depicts waterborne commodity movements between 26 geographical regions or between individual states of the United States. This database protects the confidentiality of the data provided by the individual companies and provides the origin/destination of commodity flows.

Sources of Data

Vessel operating companies file vessel operations reports.

Attributes

Geographic Coverage of Data: U.S. totals, U.S. territories
Time Span of Data Source: 1985-1994
First Developed: 1985
Update Frequency: Annual
File Format: ASCII
Media: Diskette, Printed Source, CD-ROM

Significant Features/Limitations

All companies moving commerce by water are required by law to report.

Sponsoring Organization

U.S. Army Corps of Engineers, Products and Services Office

Corresponding Print Source

Origin and Destination of Waterborne Commerce of the United States, Public Domain

Availability

Diskette and Printed Source: U.S. Army Corps of Engineers, Products and Services Office, Waterborne Commerce Statistics Center, P.O. Box 61280, New Orleans, LA 70161-1280; (504) 862-1424; Fax: (504) 862-1423. Price, \$5/data file; \$15/printed source.

CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Contact for Additional Information

Thomas Mire
Data Manager
COE/Waterborne Commerce Statistics Office
(504) 862-1424, Fax: (504) 862-1423

Roy Walsh
Data Manager
COE/Waterborne Commerce Statistics Office
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United States Waterway Data

Abstract

This collection of data bases is a compilation of information related to the navigable waters in the United States including inland, off-shore, Great Lakes and Saint Lawrence Seaway. Data on commerce, facilities and performance, imports and exports, and accidents are included along with the geographic waterways network.

Sources of Data

U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center and Navigation Data Center; U.S. Department of Commerce Bureau of the Census; and U.S. Coast Guard.

Attributes

Geographic Coverage of Data: U.S. navigable waterways
First Developed: 1994
Update Frequency: Annual
File Format: ASCII
Media: CD-ROM

Sponsoring Organization

U.S. Department of Transportation, Bureau of Transportation Statistics

Availability

DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Contact for Additional Information

Staff
DOT/BTS, K-40
(202) 366-3282, Fax: (202) 366-3640
E-mail: info@bts.gov

Waterborne Tonnage for North Dakota, 1994

(There are no data for North Dakota.)

Waterborne Shipments Originating in North Dakota, 1994

(There are no data for North Dakota.)

Transportation Establishments

1992 Census of Transportation Geographic Area Series (TC92-A-1)

Abstract

Presents data for establishments with payroll from selected transportation services for the United States, each state, District of Columbia, and selected Metropolitan Statistical Areas (MSAs). Presents general statistics on number of establishments, revenue, payroll, and employment by varied transportation classifications. Data are also provided on revenue and employees per establishment, and on revenue and payroll per employee. Comparative statistics showing percent changes in revenue and payroll between 1982 and 1992 are also shown for some kind-of-business classifications.

Source of Data

U.S. Department of Commerce, Bureau of the Census, 1992 Economic Census; 1992 Census of Transportation (transportation companies).

Attributes

Geographic Coverage of Data: U.S. totals, state, District of Columbia, selected MSAs
Time Span of Data Source: 01/92-12/92
First Developed: 1991
Update Frequency: Quinquennial
Media: Tape, Printed source

Significant Features/Limitations

Covers selected transportation industries as defined in Division E of the Standard Industrial Classification (SIC) Manual. Includes all establishments with one or more paid employees primarily engaged in these classifications: SIC 42, motor freight transportation and warehousing; SIC 44, water transportation; and SIC 47, transportation services. Excludes firms without paid employees, governmental establishments, and auxiliary establishments.

Sponsoring Organization

U.S. Department of Commerce, Bureau of the Census, Business Division

Availability

Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402; (202) 512-1800.

Contact for Additional Information

Sidney Marcus
Chief
DOC/Bureau of the Census
Utilities Census Branch
(301) 457-2786, Fax: (301) 457-4576

Larry Britt
Assistant Chief
DOC/Bureau of the Census
Utilities Census Branch
(301) 457-2786, Fax: (301) 457-4576

North Dakota Summary Statistics for the 1992 Census of Transportation

| Kind of business | Establishments (number) | Revenue (\$1,000) | Annual payroll (\$1,000) | Paid employees * (number) |
|---|----------------------------|----------------------|-----------------------------|------------------------------|
| Passenger transportation | 72 | 20,202 | 6,839 | 896 |
| Local and suburban passenger transportation | 40 | 9,459 | 3,239 | 429 |
| Taxicabs | 8 | 2,976 | 1,610 | 139 |
| Other bus transportation and terminal service | 24 | 7,767 | 1,990 | 328 |
| Motor freight transportation and warehousing | 682 | 480,863 | 99,510 | 4,888 |
| Trucking and courier services, except air | 670 | 477,984 | 98,631 | 4,833 |
| Local trucking without storage | 275 | 89,130 | 16,985 | 1,116 |
| Household goods moving | 6 | ** | ** | AA |
| General freight | 62 | 25,608 | 5,103 | 354 |
| Garbage and trash collection | 36 | ** | ** | CC |
| Dump trucking | 49 | 8,879 | 1,543 | 89 |
| Other local trucking without storage | 122 | 43,614 | 7,577 | 495 |
| Trucking, except local | 370 | 382,855 | 80,685 | 3,640 |
| Household goods moving | 32 | 30,228 | 7,107 | 388 |
| General freight trucking | 219 | 253,062 | 56,965 | 2,580 |
| Other trucking, except local | 119 | 99,565 | 16,613 | 672 |
| Local trucking with storage | 10 | 4,751 | 623 | 49 |
| Household goods moving | 6 | ** | ** | BB |
| Other local trucking with storage | 4 | ** | ** | AA |
| Courier services, except by air | 15 | 1,248 | 338 | 28 |
| Public warehousing and storage | 12 | 2,879 | 879 | 55 |
| Farm products warehousing and storage | 5 | ** | ** | BB |
| Refrigerated warehousing and storage | 5 | 867 | 75 | 11 |
| General warehousing and storage | 2 | ** | ** | AA |
| Special warehousing and storage, n.e.c. | 0 | 0 | 0 | 0 |
| Trucking terminal facilities | 0 | 0 | 0 | 0 |
| Water transportation | 6 | ** | ** | AA |
| Water transportation of freight | 0 | 0 | 0 | 0 |
| Water transportation of passengers | 2 | ** | ** | AA |
| Services incidental to water transportation | 4 | ** | ** | AA |
| Marinas | 4 | ** | ** | AA |
| Other services incidental to water transportation .. | 0 | 0 | 0 | 0 |
| Air transportation # | 28 | 21,096 | 5,972 | 280 |
| Air transportation, including air courier services # .. | 15 | ** | ** | CC |
| Airport terminal services | 13 | ** | ** | CC |
| Pipelines, except natural gas | 8 | 31,124 | 2,104 | 54 |
| Transportation services | 81 | 18,628 | 7,152 | 375 |
| Arrangement of passenger transportation | 57 | ** | ** | CC |
| Travel agencies | 52 | 6,512 | 2,853 | 180 |
| Other arrangement of passenger transportation .. | 5 | ** | ** | BB |
| Freight shipping services | 21 | 11,045 | 3,982 | 165 |
| Other transportation services | 3 | ** | ** | AA |

* Paid employees for pay period including March 12.

** Withheld to avoid disclosing data for individual companies; data are included in broader kind-of-business totals.

Data do not include large, certificated passenger carriers that report to the Office of Airline Statistics, U.S. Department of Transportation.

AA = Employment size 0-19.

BB = Employment size 20-99.

CC = Employment size 100-249.

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1992 *Census of Transportation, Communications, and Utilities*, UC92-A-1 (Washington, DC: 1995).

Truck Registration and Vehicle-Miles Traveled

Truck Inventory and Use Survey (TIUS)

Abstract

This database provides detailed information on the physical and operational characteristics of the Nation's truck population. Collected from an approximately 154,000 truck sample, individual state and United States estimates are produced. Physical characteristics include model year, body type, empty weight, truck type, axle arrangement, length, and engine size. Operational characteristics include major use, products carried, annual and lifetime miles, area of operation, miles per gallon, operator classification, and hazardous materials transported.

Source of Data

Owners of private and commercial trucks registered in each state complete a mail survey.

Attributes

Geographic Coverage of Data: U.S. totals, 50 states, District of Columbia
Time Span of Data Source: 1992
First Developed: 1963
Update Frequency: Quinquennial
Last Update: 1995
File Format: ASCII
Media: CD-ROM, Microdata File, Printed Source

Significant Features/Limitations

Only source of comprehensive data collected for trucks that are classified by their physical and operational characteristics and that also provide microdata records to data users of the

transportation community. The records on the microdata file are modified to avoid disclosure of a sampled vehicle or operating company.

Corresponding Print Source

1992 Census of Transportation, Truck Inventory and Use Survey

Sponsoring Organization

U.S. Department of Commerce, Bureau of the Census

Availability

Data File: DOC/Bureau of the Census, Customer Services, Washington, DC 20233; (301) 457-4100.

Printed Source: Superintendent of Documents, U.S. Government Printing Office, P. O. Box 371954, Pittsburgh, PA 15250-7954. Price, \$2.50/Individual State Report; \$15.00/U.S. Summary Report.

CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, S.W., Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Contact for Additional Information

Robert Crowther
Chief, Transportation Characteristics Branch
DOC/Bureau of the Census
(301) 457-2797, Fax: (301) 457-2374

**Commercial and Private Truck Registration
1992 Truck Inventory and Use Survey (TIUS)**

| State | 1992 TIUS | Percent change 1987 to 1992 |
|----------------------|-------------------|--------------------------------|
| Alabama | 1,166,900 | 30.6 |
| Alaska | 200,500 | 17.7 |
| Arizona | 999,500 | 31.8 |
| Arkansas | 748,700 | 43.8 |
| California | 7,150,200 | 50.7 |
| Colorado | 1,092,900 | 12.3 |
| Connecticut | 543,600 | 24.1 |
| Delaware | 172,900 | 43.7 |
| District of Columbia | 29,400 | 48.1 |
| Florida | 2,673,200 | 38.9 |
| Georgia | 1,644,200 | 35.9 |
| Hawaii | 280,300 | 74.3 |
| Idaho | 467,000 | 46.7 |
| Illinois | 2,271,600 | 41.7 |
| Indiana | 1,414,300 | 31.4 |
| Iowa | 930,600 | 37.0 |
| Kansas | 1,001,700 | 37.5 |
| Kentucky | 1,015,900 | 25.7 |
| Louisiana | 1,123,800 | 21.3 |
| Maine | 338,600 | 30.6 |
| Maryland | 940,700 | 42.2 |
| Massachusetts | 878,700 | 30.4 |
| Michigan | 2,166,200 | 39.9 |
| Minnesota | 1,155,900 | 36.0 |
| Mississippi | 647,600 | 29.4 |
| Missouri | 1,357,100 | 33.8 |
| Montana | 371,800 | 18.1 |
| Nebraska | 533,900 | 20.2 |
| Nevada | 387,600 | 55.8 |
| New Hampshire | 306,300 | 31.3 |
| New Jersey | 1,098,500 | 36.3 |
| New Mexico | 581,100 | 23.8 |
| New York | 1,999,700 | 29.8 |
| North Carolina | 1,760,000 | 28.4 |
| North Dakota | 290,500 | 8.4 |
| Ohio | 2,188,900 | 26.1 |
| Oklahoma | 1,080,100 | 19.5 |
| Oregon | 1,059,000 | 27.5 |
| Pennsylvania | 2,367,600 | 40.3 |
| Rhode Island | 158,700 | 31.7 |
| South Carolina | 840,600 | 40.7 |
| South Dakota | 295,000 | 20.9 |
| Tennessee | 1,462,700 | 43.8 |
| Texas | 4,373,000 | 10.6 |
| Utah | 510,000 | 34.5 |
| Vermont | 157,000 | 20.2 |
| Virginia | 1,516,700 | 33.1 |
| Washington | 1,541,600 | 39.9 |
| West Virginia | 476,800 | 12.9 |
| Wisconsin | 1,196,800 | 48.4 |
| Wyoming | 234,900 | 4.7 |
| U.S. Total | 59,200,800 | 32.8 |

SOURCE: U.S. Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Truck Inventory and Use Survey*, TC92-T-1 - TC92-T-51 (Washington, DC: 1995).

**Trucks Registered in North Dakota by Size, Major Use, and Range of Operation
1992 Truck Inventory and Use Survey**

| Size in gross vehicle weight (gww) | Number of trucks (thousands) | Percent |
|--|---------------------------------|---------|
| Light trucks (10,000 pounds or less gww) | 229.3 | 78.9 |
| Medium trucks (10,001-19,500 pounds gww) | 16.2 | 5.6 |
| Light-heavy trucks (19,501-26,000 pounds gww) | 16.5 | 5.7 |
| Heavy-heavy trucks (26,001 pounds or more gww) | 28.5 | 9.8 |
| Total | 290.5 | 100.0 |
| Major use | | |
| Personal transportation | 134.3 | 46.2 |
| For-hire transportation | 4.8 | 1.7 |
| Other business use (private trucking) | | |
| Agriculture | 102.1 | 35.1 |
| Forestry and lumbering | - | - |
| Mining and quarrying | 2.7 | 0.9 |
| Construction | 17.8 | 6.1 |
| Manufacturing | 1.2 | 0.4 |
| Wholesale trade | 4.4 | 1.5 |
| Retail trade | 9.9 | 3.4 |
| Utilities | 1.2 | 0.4 |
| Services | 7.7 | 2.7 |
| Daily and one-way rental | 0.1 | 0.0 |
| Other | 0.1 | 0.0 |
| Not in use | 4.0 | 1.4 |
| Range of operation (miles from vehicle's home base) | | |
| Local (less than 50 miles) | 191.4 | 65.9 |
| Short range (50-200 miles) | 49.7 | 17.1 |
| Long range (beyond 200 miles) | 18.4 | 6.3 |

- Suppressed because data are statistically unreliable.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Truck Inventory and Use Survey*, TC92-T-35 (Washington, DC: 1994).

**Percent Vehicle Miles Traveled Outside Base State for Trucks by Use
1992 Truck Inventory and Use Survey**

| State | Personal use | For-hire transportation | Other business use |
|----------------------|--------------|-------------------------|--------------------|
| Alabama | 7.7 | 62.9 | 15.1 |
| Alaska | 3.3 | 4.0 | 4.3 |
| Arizona | 7.2 | 43.2 | 7.4 |
| Arkansas | 6.9 | 76.6 | 17.7 |
| California | 4.7 | 17.5 | 2.5 |
| Colorado | 8.1 | 47.8 | 7.6 |
| Connecticut | 9.5 | 39.7 | 8.5 |
| Delaware | 14.8 | 55.1 | 20.5 |
| District of Columbia | 39.4 | 93.7 | 30.5 |
| Florida | 6.7 | 46.3 | 5.8 |
| Georgia | 7.9 | 46.7 | 14.3 |
| Hawaii | 0.1 | 0.0 | 0.0 |
| Idaho | 10.9 | 52.2 | 14.1 |
| Illinois | 9.6 | 44.4 | 11.5 |
| Indiana | 7.9 | 60.1 | 21.6 |
| Iowa | 8.4 | 63.9 | 14.7 |
| Kansas | 9.4 | 54.4 | 10.3 |
| Kentucky | 7.7 | 50.4 | 10.7 |
| Louisiana | 9.5 | 37.6 | 8.3 |
| Maine | 7.7 | 47.3 | 12.4 |
| Maryland | 10.2 | 44.5 | 15.3 |
| Massachusetts | 9.9 | 30.8 | 12.0 |
| Michigan | 7.3 | 46.7 | 6.1 |
| Minnesota | 7.0 | 49.8 | 9.1 |
| Mississippi | 10.2 | 68.2 | 14.7 |
| Missouri | 7.8 | 65.6 | 12.4 |
| Montana | 6.6 | 58.3 | 10.8 |
| Nebraska | 7.1 | 64.2 | 9.7 |
| Nevada | 11.1 | 33.6 | 14.6 |
| New Hampshire | 15.7 | 49.1 | 21.1 |
| New Jersey | 12.1 | 48.3 | 14.1 |
| New Mexico | 11.7 | 35.3 | 12.2 |
| New York | 8.1 | 37.6 | 7.0 |
| North Carolina | 8.0 | 55.6 | 11.4 |
| North Dakota | 10.9 | 58.9 | 12.5 |
| Ohio | 7.9 | 47.1 | 10.6 |
| Oklahoma | 8.2 | 49.0 | 9.5 |
| Oregon | 8.2 | 39.1 | 8.2 |
| Pennsylvania | 9.6 | 49.3 | 14.5 |
| Rhode Island | 13.9 | 77.0 | 22.8 |
| South Carolina | 7.9 | 46.8 | 11.0 |
| South Dakota | 9.4 | 64.9 | 10.1 |
| Tennessee | 5.4 | 65.7 | 12.4 |
| Texas | 4.4 | 34.1 | 5.8 |
| Utah | 7.4 | 65.7 | 11.8 |
| Vermont | 12.2 | 54.6 | 15.3 |
| Virginia | 9.9 | 30.0 | 9.4 |
| Washington | 5.6 | 30.4 | 8.6 |
| West Virginia | 11.8 | 45.6 | 17.5 |
| Wisconsin | 8.5 | 58.4 | 10.8 |
| Wyoming | 10.6 | 48.3 | 10.0 |

SOURCE: U.S. Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Truck Inventory and Use Survey*, Microdata File on CD (Washington, DC: 1995).

Highway Statistics

Abstract

This annual publication compiles a wide range of information on highway extent, condition, performance, use, and finance. Freight-related tables include numbers of trucks and trailers by State, vehicle miles of travel, and information on commercial drivers licenses.

Source of Data

State agencies.

Attributes

Geographic Coverage of Data: U.S. totals, 50 states, District of Columbia
Time Span of Data Source: 1994
First Developed: 1945
Update Frequency: Annual
Last Update: 1995
File Format: HTML, Excel
Media: CD-ROM, Internet, Printed Source

Significant Features/Limitations

Data on numbers of trucks and truck vehicle miles of travel are not consistent between *Highway Statistics* and the Census Bureau's Truck Inventory and Use Survey. *Highway Statistics* is based on the total number of vehicles registered in each State throughout the reporting year, while the Truck Inventory and Use Survey is based on a snapshot of the vehicle fleet at the middle of the year. Vehicle types are also classified differently.

Sponsoring Organization

U.S. Department of Transportation, Federal Highway Administration

Availability

Printed Source: DOT/FHWA, Office of Highway Information Management, HPM-1, Washington, DC 20590; (202) 366-0180.

CD-ROM: DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 3430, Washington, DC 20590; (202) 366-3282; Fax: (202) 366-3640.

Internet: www.bts.gov.

Contact for Additional Information

Staff
DOT/FHWA, Office of Highway Information Management, HPM-1
(202) 366-0180

**Trailer and Semi-Trailer Registrations
1994 Highway Statistics**

| State | Commercial trailers | Other private or commercial trailers* | Publicly-owned trailers | Total |
|----------------------|---------------------|---------------------------------------|-------------------------|-------------------|
| Alabama | 56,393 | 72,577 | 1,021 | 129,991 |
| Alaska | 16,754 | 69,096 | 1,198 | 87,048 |
| Arizona | 48,917 | 247,547 | 3,736 | 300,200 |
| Arkansas | 34,429 | 391,183 | 271 | 425,883 |
| California | 683,252 | 2,026,667 | 42,686 | 2,752,605 |
| Colorado | 57,175 | 208,655 | 2,143 | 267,973 |
| Connecticut | 28,455 | 138,789 | 2,604 | 169,848 |
| Delaware | 12,527 | 28,796 | 608 | 41,931 |
| District of Columbia | 95 | 1,015 | 466 | 1,576 |
| Florida | 116,332 | 947,866 | 27,212 | 1,091,410 |
| Georgia | 110,972 | 395,974 | 3,519 | 510,465 |
| Hawaii | 3,984 | 16,727 | 776 | 21,487 |
| Idaho | 18,115 | 97,038 | 2,807 | 117,960 |
| Illinois | 78,834 | 438,631 | 906 | 518,371 |
| Indiana | 89,883 | 331,914 | 2,046 | 423,843 |
| Iowa | 75,579 | 285,196 | 3,847 | 364,622 |
| Kansas | 80,277 | 41,429 | 859 | 122,565 |
| Kentucky | 39,658 | 58,449 | 164 | 98,271 |
| Louisiana | 206,264 | 310,085 | 2,437 | 518,786 |
| Maine | 533,693 | 101,587 | 2,192 | 637,472 |
| Maryland | 14,313 | 203,227 | 479 | 218,019 |
| Massachusetts | 23,518 | 152,277 | 229 | 176,024 |
| Michigan | 87,159 | 826,803 | 4,339 | 918,301 |
| Minnesota | 177,779 | 624,216 | 3,786 | 805,781 |
| Mississippi | 28,061 | 75,577 | 1,509 | 105,147 |
| Missouri | 82,155 | 310,025 | 478 | 392,658 |
| Montana | 17,353 | 155,223 | 3,013 | 175,589 |
| Nebraska | 69,289 | 165,050 | 907 | 235,246 |
| Nevada | 9,634 | 108,466 | 1,170 | 119,270 |
| New Hampshire | 8,718 | 86,372 | 1,072 | 96,162 |
| New Jersey | 40,059 | 277,682 | 251 | 317,992 |
| New Mexico | 16,935 | 89,028 | 2,988 | 108,951 |
| New York | 19,721 | 512,189 | 6,078 | 537,988 |
| North Carolina | 81,229 | 450,253 | 8,544 | 540,026 |
| North Dakota | 18,538 | 38,398 | 723 | 57,659 |
| Ohio | 132,811 | 511,068 | 6,457 | 650,336 |
| Oklahoma | 81,517 | 70,630 | 1,791 | 153,938 |
| Oregon | 46,401 | 235,553 | 8,478 | 290,432 |
| Pennsylvania | 123,690 | 549,796 | 3,994 | 677,480 |
| Rhode Island | 6,350 | 35,789 | 837 | 42,976 |
| South Carolina | 34,289 | 28,932 | 1,071 | 64,292 |
| South Dakota | 25,348 | 101,192 | 1,263 | 127,803 |
| Tennessee | 29,279 | 32,622 | 376 | 62,277 |
| Texas | 206,931 | 1,202,425 | 34,831 | 1,444,187 |
| Utah | 22,807 | 92,193 | 478 | 115,478 |
| Vermont | 2,989 | 58,159 | 866 | 62,014 |
| Virginia | 74,477 | 217,809 | 2,523 | 294,809 |
| Washington | 139,976 | 424,434 | 2,043 | 566,453 |
| West Virginia | 35,878 | 72,102 | 4,170 | 112,150 |
| Wisconsin | 164,369 | 48,587 | 1,571 | 214,527 |
| Wyoming | 7,835 | 108,838 | 997 | 117,670 |
| U.S. Total | 4,120,994 | 14,074,140 | 208,809 | 18,403,943 |

* Includes light farm trailers, car trailers, house trailers, etc.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics, 1994*, FHWA-PL-95-042 (Washington, DC: 1995).

Motor Carrier Statistics

Motor Carrier Financial and Operational Statistics

Abstract

This data program was transferred to the Bureau of Transportation Statistics by the Interstate Commerce Commission Termination Act of 1995. Class I and II Motor Carriers of Property and Passengers are required to submit financial, employee, operating, and other data pursuant to 49 U.S.C. 14123. Unless otherwise prohibited, these reports are made available to the public through a reports reference facility. In addition, selected data are published in aggregate and for the largest carriers.

Source of Data

Class I and Class II Motor Carriers of Property and Class I Motor Carriers of Passengers.

Attributes

Geographic Coverage of Data: Class I and Class II Motor Carriers of Property and Class I Motor Carriers of Passengers.

Update Frequency: Continuously

Media: Printed Source

Significant Features/Limitations

The reports from carriers are made available unaudited and unedited.

Sponsoring Organization

U.S. Department of Transportation, Bureau of Transportation Statistics

Availability

DOT/Bureau of Transportation Statistics, 400 7th Street, SW, Room 4201, Washington, DC 20590; (202) 366-4383; Fax: (202) 366-3383.

Contact for Additional Information

Staff

DOT/Bureau of Transportation Statistics

(202) 366-4383, Fax: (202) 366-3383

E-mail: mcs@bts.gov

State Data

Due to the recent transfer of the program to BTS, state-level data are not available for publication. In the future, BTS plans to publish selected earnings and other data for carriers by state.

Fatal Truck Crashes

Truck and Bus Accident Factbook

Abstract

This report presents aggregate statistics on trucks and buses involved in traffic accidents.

Performing Organization

University of Michigan, Transportation Research Institute

Sources of Data

Federal Highway Administration, Office of Motor Carriers (accident statistics reported through the SAFETYNET data system); National Highway Traffic Safety Administration (General Estimates System and Fatal Accident Reporting System); and The University of Michigan, Transportation Research Institute (Trucks Involved in Fatal Accidents file).

Availability

Center for National Truck Statistics, University of Michigan Transportation Research Institute, 2901 Baxter Road, Ann Arbor, Michigan 48109; (313) 764-0248; Fax: (313) 936-1081.

Contact for Additional Information

Truck and Bus Accident Factbook,
SAFETYNET, and Trucks Involved in Fatal
Accidents

Attributes

Geographic Coverage of Data: United States
Update Frequency: Annual
Media: Printed Source

Ralph Craft
DOT/ Federal Highway Administration
(202) 366-0324, Fax: (202) 366-7298
E-mail: ralph.craft@fhwa.dot.gov

Fatal Accident Reporting System

Sponsoring Organizations

Michigan Office of Highway Safety Planning; U.
S. Department of Transportation, Federal
Highway Administration, Office of Motor
Carriers

Chuck Venturi
DOT/ National Highway Traffic Safety
Administration
(202) 366-4709, Fax: (202) 366-7078

Number of Fatal Involvements by State and Combination Type, 1993

| State | Single-unit | One-trailer | Multi-trailer | Total |
|----------------------|--------------|--------------|---------------|--------------|
| Alabama | 36 | 108 | 3 | 147 |
| Alaska | 2 | 1 | 0 | 3 |
| Arizona | 29 | 36 | 4 | 69 |
| Arkansas | 16 | 82 | 4 | 102 |
| California | 104 | 197 | 59 | 360 |
| Colorado | 23 | 36 | 0 | 59 |
| Connecticut | 10 | 15 | 1 | 26 |
| Delaware | 5 | 17 | 0 | 22 |
| District of Columbia | 2 | 1 | 1 | 4 |
| Florida | 94 | 198 | 2 | 294 |
| Georgia | 61 | 99 | 6 | 166 |
| Hawaii | 1 | 2 | 1 | 4 |
| Idaho | 5 | 5 | 1 | 11 |
| Illinois | 39 | 110 | 3 | 152 |
| Indiana | 49 | 81 | 3 | 135 |
| Iowa | 22 | 63 | 0 | 85 |
| Kansas | 16 | 45 | 7 | 68 |
| Kentucky | 38 | 67 | 0 | 105 |
| Louisiana | 21 | 60 | 1 | 82 |
| Maine | 6 | 15 | 0 | 21 |
| Maryland | 24 | 26 | 0 | 50 |
| Massachusetts | 21 | 16 | 0 | 37 |
| Michigan | 26 | 68 | 17 | 111 |
| Minnesota | 20 | 43 | 0 | 63 |
| Mississippi * | 1 | 4 | 0 | 90 |
| Missouri | 24 | 78 | 6 | 108 |
| Montana | 3 | 8 | 1 | 12 |
| Nebraska | 14 | 41 | 1 | 56 |
| Nevada | 6 | 16 | 3 | 25 |
| New Hampshire | 4 | 3 | 0 | 7 |
| New Jersey | 35 | 40 | 1 | 76 |
| New Mexico | 9 | 25 | 4 | 38 |
| New York | 82 | 64 | 2 | 148 |
| North Carolina | 64 | 142 | 3 | 209 |
| North Dakota | 7 | 10 | 0 | 17 |
| Ohio | 66 | 127 | 2 | 195 |
| Oklahoma | 28 | 57 | 3 | 88 |
| Oregon | 10 | 46 | 7 | 63 |
| Pennsylvania | 72 | 122 | 3 | 197 |
| Rhode Island | 5 | 3 | 0 | 8 |
| South Carolina | 24 | 65 | 2 | 91 |
| South Dakota | 6 | 11 | 0 | 17 |
| Tennessee | 45 | 76 | 2 | 123 |
| Texas | 93 | 257 | 10 | 360 |
| Utah | 8 | 19 | 1 | 28 |
| Vermont | 4 | 9 | 0 | 13 |
| Virginia | 33 | 60 | 2 | 95 |
| Washington | 18 | 36 | 9 | 63 |
| West Virginia | 13 | 29 | 0 | 42 |
| Wisconsin | 28 | 61 | 2 | 91 |
| Wyoming | 3 | 11 | 1 | 15 |
| U.S. Total | 1,375 | 2,811 | 178 | 4,451 |

* Truck configuration is generally unavailable for Mississippi because the state does not release police reports to the TIFA project.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Truck and Bus Accident Factbook 1993*, UMTRI-95-43 (Washington, DC: 1995).

Rail Accidents and Fatalities

Railroad Accident/Incident Reporting System (RAIRS)

Abstract

RAIRS contains four data bases: rail equipment, injury/illness, grade-crossing accidents, and railroad summary (freight and passenger). These data bases include information on all railroad accidents, grade-crossing accidents, railroad employee casualties, and any other injuries on railroad property. These data bases provide the basis for accident analyses and assessment as well as annual reports.

Source of Data

Railroads.

Attributes

Geographic Coverage of Data: U.S. totals
Time Span of Data Source: 1976-present
First Developed: 1975
Update Frequency: Monthly
File Format: Sequential
Media: 9-Track Tape, Diskette, Printed Source, Internet

Corresponding Printed Source

Rail Highway Grade-Crossing Accident/Incident and Inventory Bulletin

Accident/Incident Bulletin

Sponsoring Organization

U.S. Department of Transportation/Federal Railroad Administration, Systems Support Division

Availability

Data file: DOT/FRA, Systems Support Division, RRS-22, 400 7th Street, SW, Washington, DC 20590; (202) 366-2760; Fax: (202) 366-7592. Price \$35/tape, non-government agencies. No charge to government, railroad, or railroad labor requesters.

Internet: gopher.dot.gov/1/fra/safety

Contact for Additional Information

Robert Finkelstein, Chief
DOT/FRA, RRS-22
(202) 366-2760, Fax: (202) 366-7592

Number of Rail Accidents and Fatalities, 1995*

| State | Railroad accidents** | Railroad fatalities** | Rail-highway grade crossing accidents *** | Rail-highway grade crossing fatalities*** |
|---------------------|-------------------------|--------------------------|---|---|
| Alabama | 5 | 0 | 166 | 16 |
| Alaska | 3 | 0 | 3 | 0 |
| Arizona | 25 | 0 | 30 | 2 |
| Arkansas | 27 | 0 | 137 | 22 |
| California | 49 | 1 | 154 | 21 |
| Colorado | 29 | 0 | 51 | 11 |
| Connecticut | 0 | 0 | 3 | 1 |
| Delaware | 2 | 0 | 2 | 0 |
| Florida | 20 | 0 | 78 | 22 |
| Georgia | 16 | 0 | 137 | 16 |
| Hawaii | 0 | 0 | 0 | 0 |
| Idaho | 21 | 0 | 28 | 7 |
| Illinois | 83 | 3 | 226 | 34 |
| Indiana | 24 | 0 | 242 | 29 |
| Iowa | 53 | 0 | 95 | 9 |
| Kansas | 37 | 0 | 83 | 15 |
| Kentucky | 17 | 0 | 93 | 7 |
| Louisiana | 31 | 0 | 193 | 26 |
| Maine | 4 | 0 | 6 | 0 |
| Maryland | 4 | 0 | 10 | 0 |
| Massachusetts | 6 | 0 | 10 | 1 |
| Michigan | 25 | 0 | 116 | 5 |
| Minnesota | 48 | 0 | 116 | 18 |
| Mississippi | 44 | 0 | 145 | 31 |
| Missouri | 43 | 2 | 112 | 22 |
| Montana | 24 | 0 | 14 | 4 |
| Nebraska | 53 | 0 | 73 | 7 |
| Nevada | 1 | 1 | 7 | 4 |
| New Hampshire | 2 | 0 | 5 | 0 |
| New Jersey | 6 | 0 | 13 | 2 |
| New Mexico | 11 | 1 | 16 | 5 |
| New York | 44 | 0 | 46 | 9 |
| North Carolina | 10 | 0 | 121 | 11 |
| North Dakota | 28 | 0 | 34 | 7 |
| Ohio | 43 | 0 | 215 | 36 |
| Oklahoma | 30 | 0 | 103 | 15 |
| Oregon | 17 | 0 | 30 | 12 |
| Pennsylvania | 46 | 0 | 67 | 10 |
| Rhode Island | 0 | 0 | 1 | 0 |
| South Carolina | 9 | 0 | 102 | 6 |
| South Dakota | 35 | 0 | 33 | 4 |
| Tennessee | 25 | 0 | 89 | 11 |
| Texas | 111 | 1 | 407 | 55 |
| Utah | 10 | 0 | 24 | 7 |
| Vermont | 3 | 0 | 4 | 0 |
| Virginia | 21 | 0 | 56 | 6 |
| Washington | 35 | 0 | 65 | 3 |
| West Virginia | 16 | 0 | 31 | 1 |
| Wisconsin | 41 | 1 | 111 | 13 |
| Wyoming | 35 | 1 | 11 | 0 |
| U.S. Total | 1,272 | 11 | 3,914 | 543 |

* Includes only accidents/incidents involving freight trains or mixed freight and passenger trains.

** Includes only collisions, derailments, or other events involving the operation of railroad on-track equipment resulting in damages that exceed \$6,300.

*** Includes any highway-rail collision regardless of severity.

SOURCE: U.S. Department of Transportation, Federal Railroad Administration, *Railroad Accident/Incident Reporting System (RAIRS)* (Washington, DC: 1996).

Hazardous Materials Incidents

Hazardous Materials Incident Reporting System

Abstract

This system is used to process information on the unintentional release of hazardous materials during the course of transportation. This information is compiled in accordance with the requirement levied in the Transportation Safety Act of 1974, Public Law 93-633. The major uses of the system are to highlight problem areas, pinpoint need for corrective action, and provide a statistical compilation of all accidents and incidents involving hazardous materials. The system contains information on each reported incident and consists of data elements such as the date of the incident, location, shipper, carrier, commodity involved, and other detailed information concerning the packaging and nature of the incident. Monthly and yearly reports are generated and include, but are not limited to, incidents by mode, incidents involving exemptions, commodity, container, cause and state summaries.

Source of Data

Carriers of hazardous materials are required to report to the U.S. Department of Transportation, Research and Special Programs Administration certain unintentional release that occurred during transportation. These reports include (a) immediate telephone notification made to the U.S. Coast Guard's national Response Center (NRC) since 1982; and (b) written reports on hazardous material spills, Form F5800.1, made within 30 days of the incident and collected since 1971.

Attributes

Geographic Coverage of Data: U.S. totals, 50 states, District of Columbia, county, city, U.S. territories, Canada
Time Span of Data Source: 1971-present
First Developed: 1971
Update Frequency: Quarterly/written report; daily/telephone report
File Format: System 1032 (VAX)
Media: 9-Track Tape, Diskette, Printout

Sponsoring Organization

DOT/Research and Special Programs
Administration, Office of Hazardous Materials
Planning and Analysis

Availability

DOT/RSPA, Office of Hazardous Materials
Planning and Analysis, DHM-63, 400 7th
Street, S.W., Washington, DC 20590; (202) 366-
4555; Fax: (202) 366-7435. Price \$35

Contact for Additional Information

Kevin Coburn
Information Systems Manager
DOT/RSPA, DHM-63
(202) 366-4555, Fax: (202) 366-7435
E-mail: coburnk@rspa.dot.gov

Hazardous Materials Incident Statistics, 1995

| State | Incidents | Injuries | Deaths | Damages(\$) |
|----------------------|---------------|------------|----------|-------------------|
| Alabama | 168 | 6 | 0 | 368,895 |
| Alaska | 14 | 6 | 0 | 1,374 |
| Arizona | 122 | 4 | 0 | 785,401 |
| Arkansas | 210 | 4 | 0 | 814,016 |
| California | 1,090 | 37 | 3 | 2,751,502 |
| Colorado | 344 | 7 | 0 | 280,476 |
| Connecticut | 151 | 1 | 0 | 47,354 |
| Delaware | 17 | 0 | 0 | 6,390 |
| District of Columbia | 9 | 0 | 0 | 25,220 |
| Florida | 518 | 9 | 0 | 1,240,157 |
| Georgia | 435 | 28 | 0 | 1,114,849 |
| Hawaii | 6 | 0 | 0 | 976 |
| Idaho | 64 | 2 | 0 | 79,801 |
| Illinois | 842 | 29 | 0 | 3,822,414 |
| Indiana | 383 | 7 | 0 | 274,164 |
| Iowa | 147 | 4 | 0 | 158,860 |
| Kansas | 243 | 5 | 0 | 525,010 |
| Kentucky | 338 | 6 | 1 | 499,510 |
| Louisiana | 212 | 7 | 0 | 440,723 |
| Maine | 41 | 0 | 0 | 12,756 |
| Maryland | 226 | 2 | 0 | 184,546 |
| Massachusetts | 351 | 4 | 0 | 220,145 |
| Michigan | 337 | 16 | 1 | 280,081 |
| Minnesota | 327 | 8 | 0 | 1,046,811 |
| Mississippi | 147 | 1 | 0 | 1,312,156 |
| Missouri | 364 | 8 | 0 | 573,229 |
| Montana | 16 | 0 | 0 | 590,486 |
| Nebraska | 120 | 1 | 0 | 55,619 |
| Nevada | 49 | 0 | 0 | 119,081 |
| New Hampshire | 42 | 1 | 0 | 19,134 |
| New Jersey | 297 | 9 | 0 | 307,593 |
| New Mexico | 136 | 2 | 0 | 209,147 |
| New York | 758 | 7 | 0 | 1,909,976 |
| North Carolina | 639 | 8 | 0 | 401,995 |
| North Dakota | 20 | 0 | 0 | 48,170 |
| Ohio | 1,415 | 29 | 0 | 1,746,188 |
| Oklahoma | 133 | 1 | 0 | 496,830 |
| Oregon | 254 | 9 | 0 | 377,948 |
| Pennsylvania | 918 | 14 | 0 | 1,106,324 |
| Rhode Island | 11 | 1 | 0 | 24,700 |
| South Carolina | 167 | 3 | 0 | 312,206 |
| South Dakota | 20 | 1 | 0 | 66,535 |
| Tennessee | 581 | 13 | 0 | 278,733 |
| Texas | 1,072 | 37 | 1 | 2,020,159 |
| Utah | 343 | 10 | 0 | 121,200 |
| Vermont | 15 | 1 | 0 | 148,351 |
| Virginia | 148 | 15 | 0 | 362,148 |
| Washington | 156 | 7 | 0 | 118,065 |
| West Virginia | 53 | 24 | 0 | 405,846 |
| Wisconsin | 129 | 1 | 0 | 385,791 |
| Wyoming | 77 | 2 | 0 | 307,309 |
| U.S. Total | 14,688 | 399 | 6 | 28,827,110 |

Source: U.S. Department of Transportation, Research and Special Programs Administration, *Hazardous Materials Information System* (Washington, DC: 1996).