

**Transportation of Hazardous Goods in the
United States:
Data from the 2007
Commodity Flow Survey**

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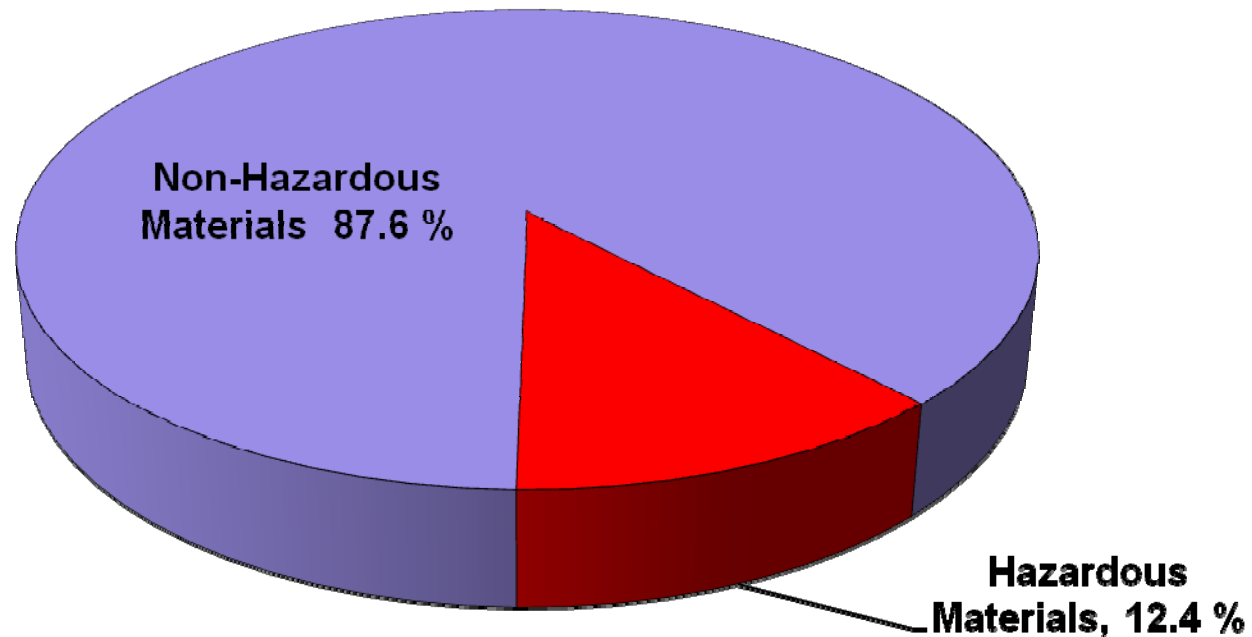
Commodity Flow Survey

- The Commodity Flow Survey (CFS) is a comprehensive source of information on United States domestic freight flows. It is a shipper based survey that provides information on commodities shipped by either single modes or multiple modes of transportation: value, weight, distance, ton-miles and origin/destination data
- The 2007 survey is the fourth in a series - previously conducted in 1993, 1997 & 2002
- Conducted through a major partnership between:
 - Bureau of Transportation Statistics (BTS) – A part of the Research and Innovative Technology Administration of the U.S. Department of Transportation
 - U.S. Census Bureau – A part of the U.S. Department of Commerce
- About 100,000 shippers were surveyed
- Data were disseminated via American Fact Finder: <http://factfinder.census.gov/>

2007 CFS: Value of Hazardous Materials as Percent of Total

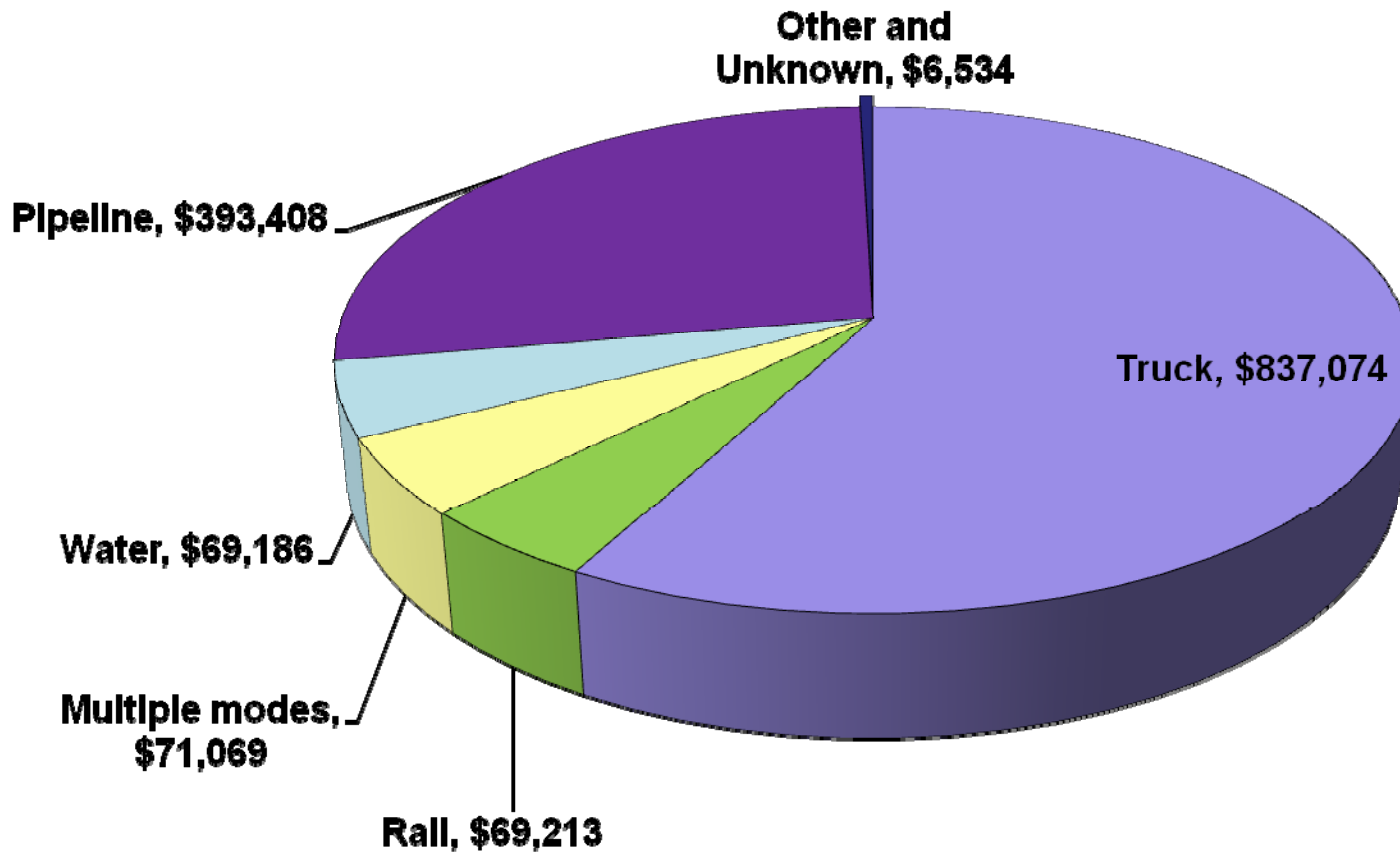
Total - \$11.68 trillion

Hazardous Materials - \$1.45 trillion



2007 CFS: Value of Hazardous Materials by Mode

Total - \$1.45 trillion



Dollars In Millions (Except Total)

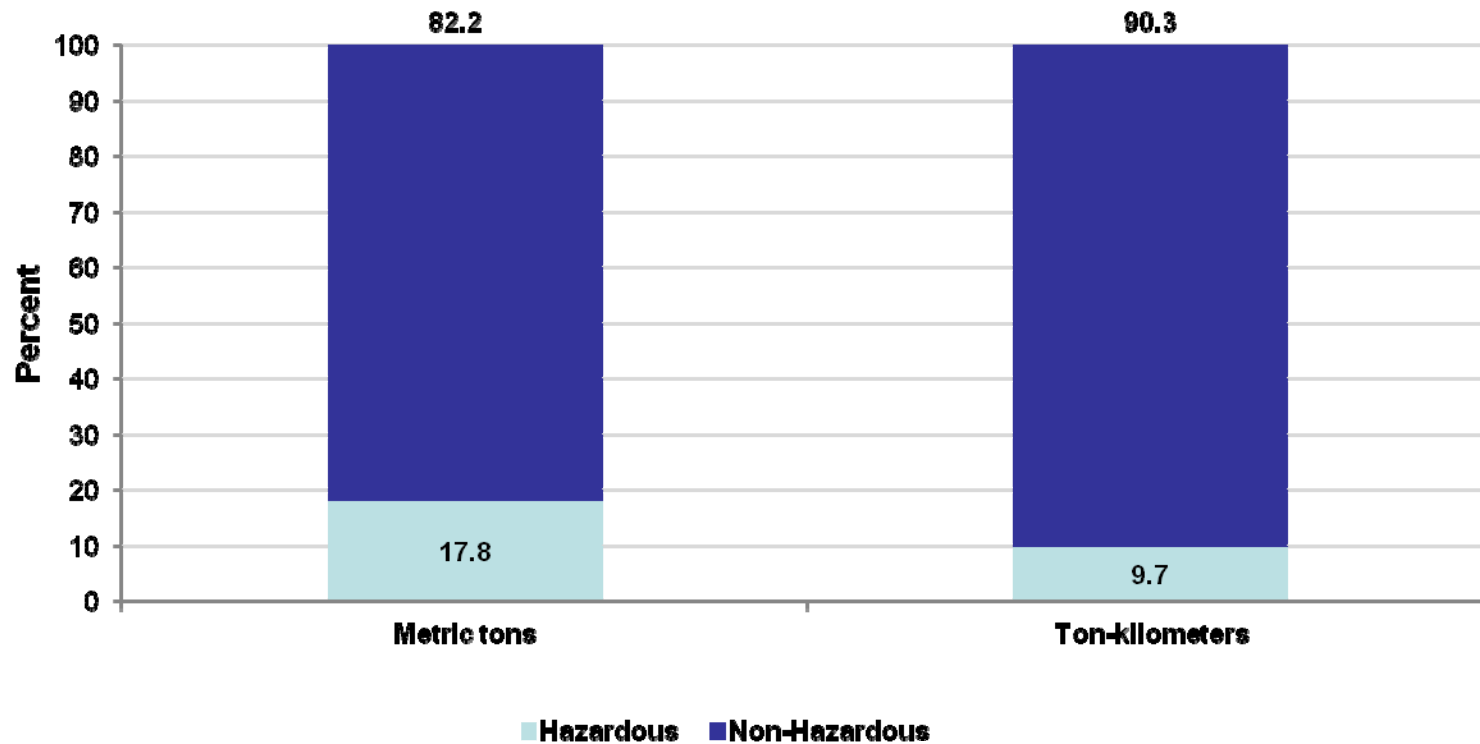
2007 CFS: Hazardous Versus Non-Hazardous Materials

Metric tons: Hazardous - 2.02 billion

Non-Hazardous - 17.8 billion

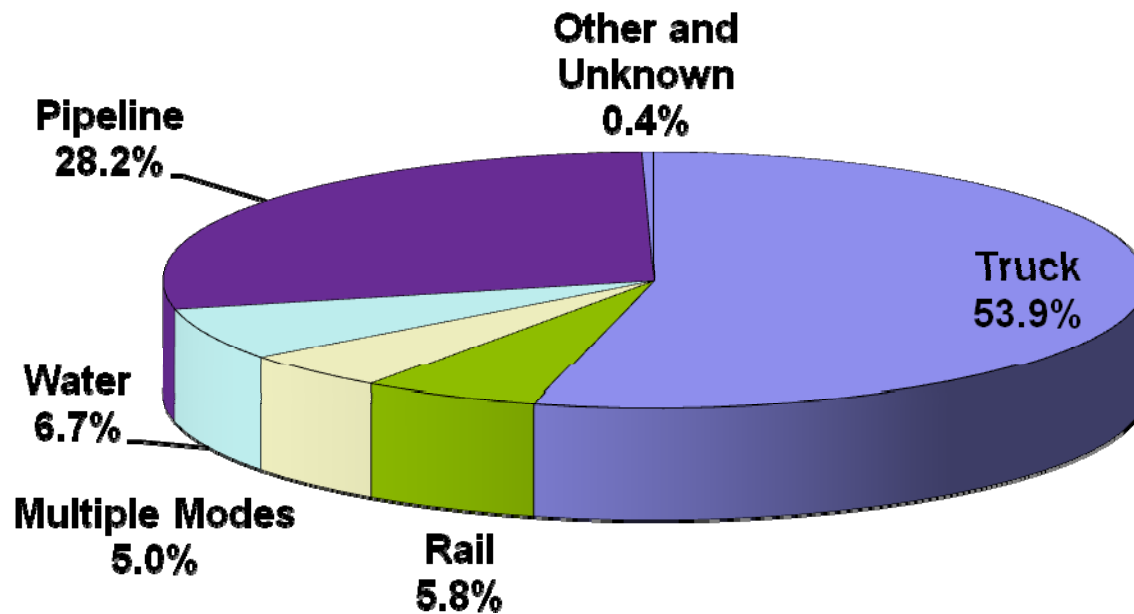
Ton – kilometers: Hazardous - 472.2 billion

Non-Hazardous - 4,410.9 billion



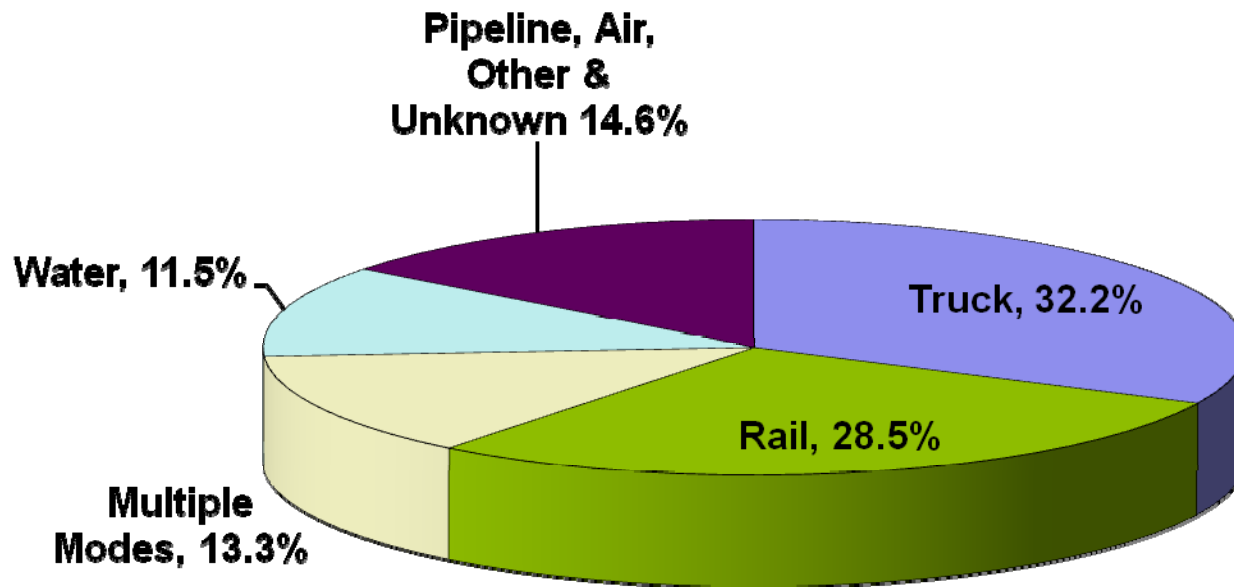
2007 CFS: Tons of Hazardous Materials by Mode

Total – 2.02 billion metric tons



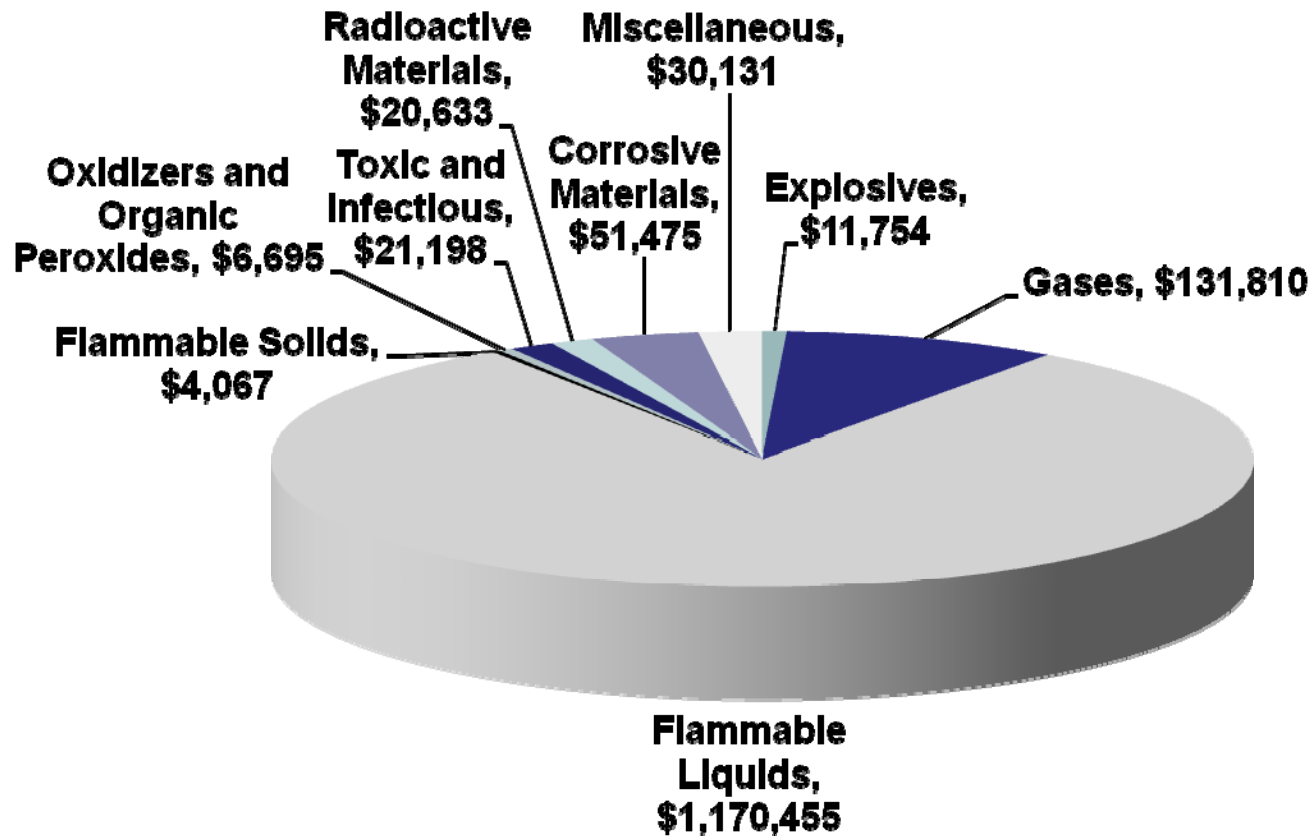
2007 CFS: Ton-kilometers of Hazardous Materials by Mode

Total – 472.2 billion metric ton-kilometers



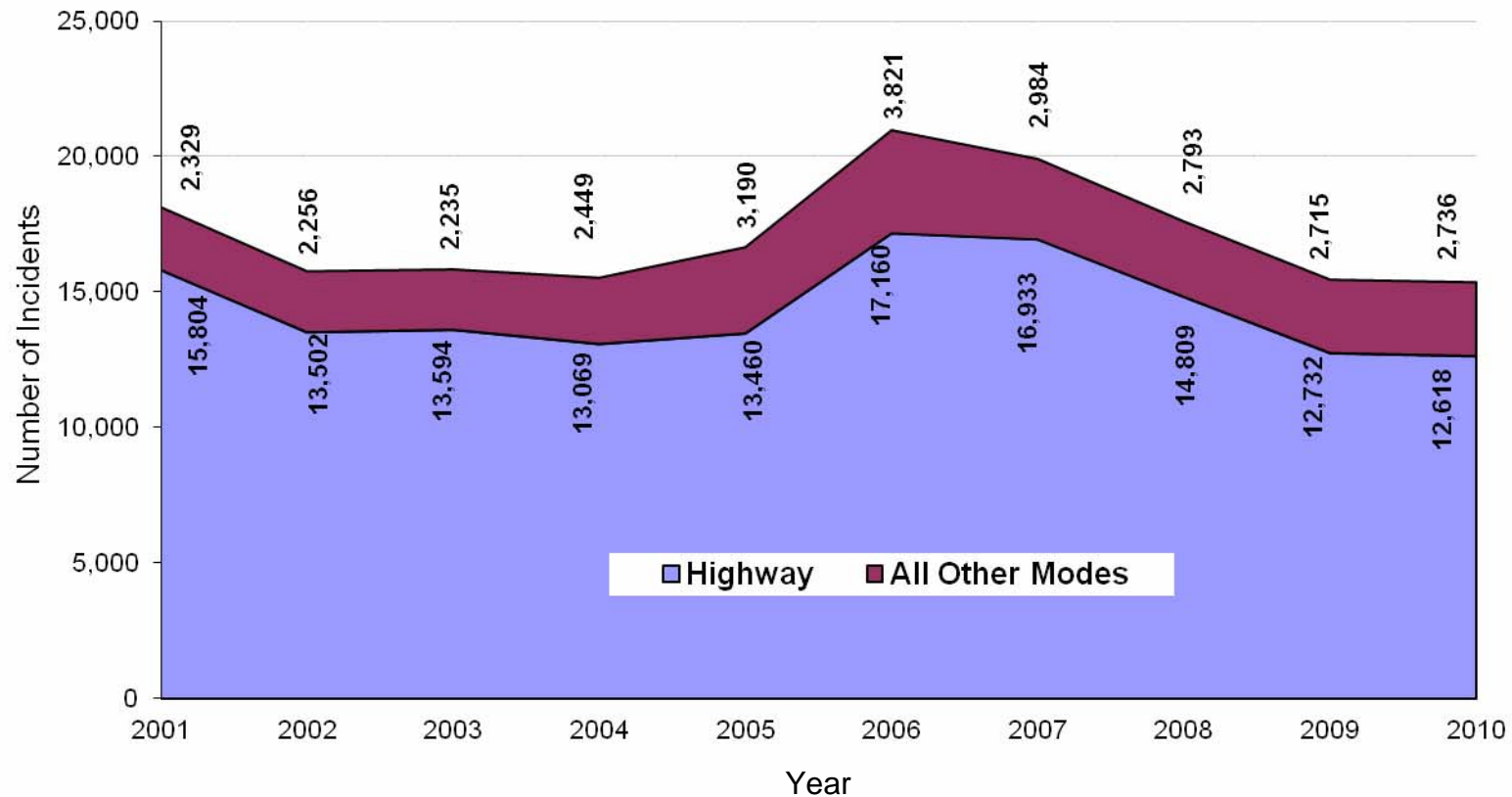
2007 CFS: Value of Hazardous Material by UN Class

Total – \$1.45 Trillion



Dollars in Millions (Except Total)

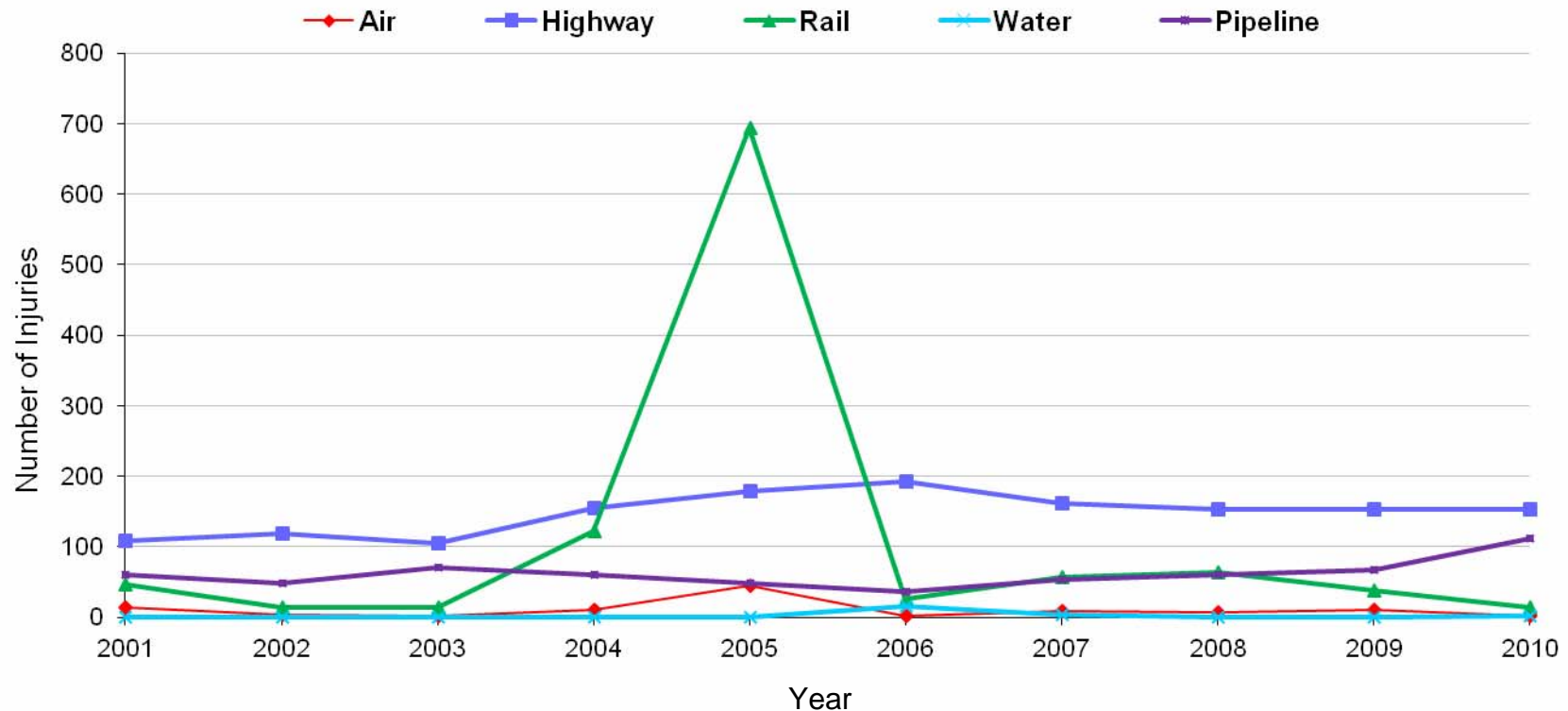
Reported Hazardous Materials Incidents, 2001 to 2010



Note: Hazardous materials moved by water includes packaged goods only, such as drums and containers. Does not include tankers, barges and large vessels which carry hazardous materials in bulk.

Source: Pipeline and Hazardous Materials Safety Administration, US DOT

Reported Hazardous Injuries by Mode, 2001 to 2010

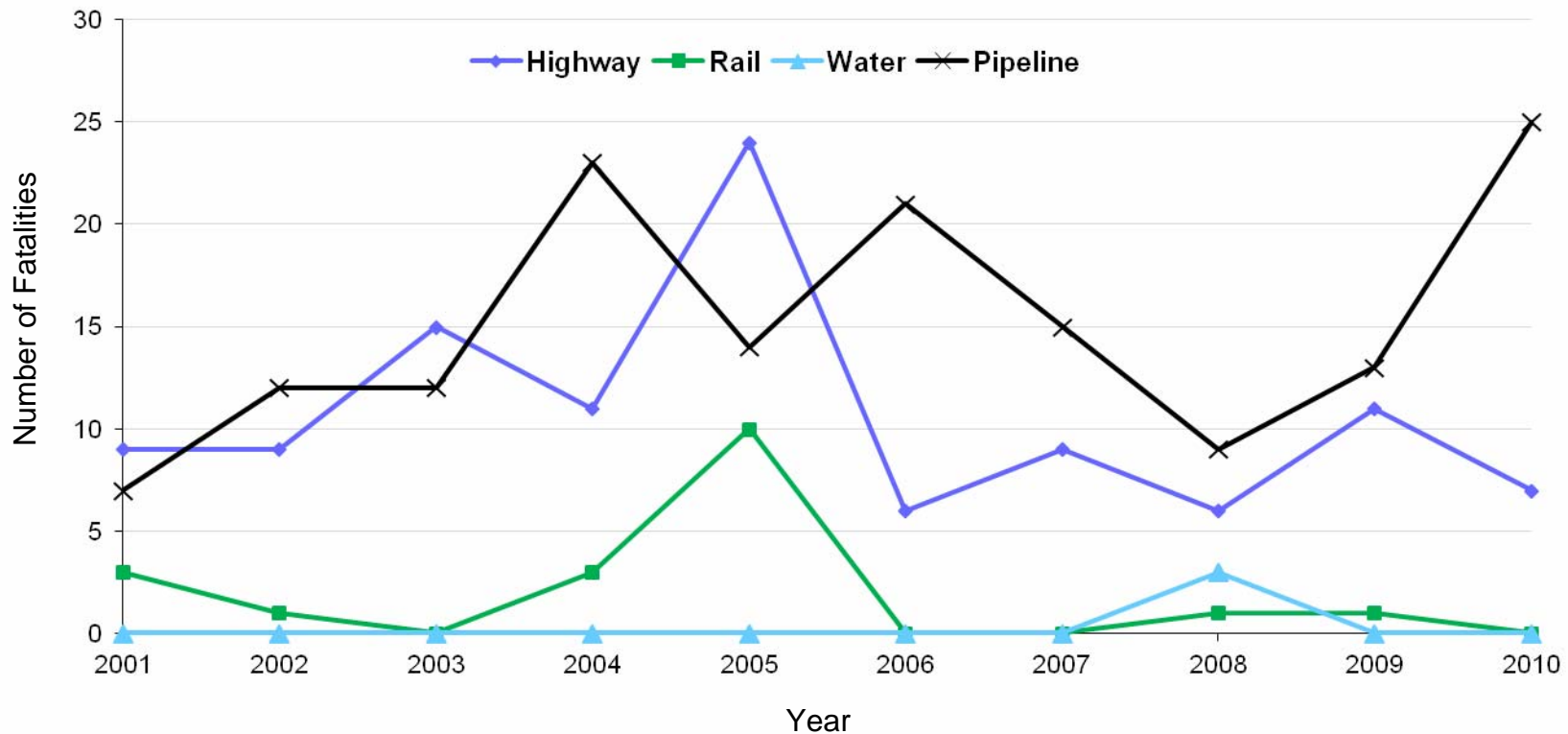


Note: Hazardous materials moved by water includes packaged goods only, such as drums and containers. Does not include tankers, barges and large vessels which carry hazardous materials in bulk.

Source: Pipeline and Hazardous Materials Safety Administration, US DOT



Reported Hazardous Fatalities by Mode, 2001 to 2010



Note: There were no hazardous materials fatalities by air between 1998 and 2010. Hazardous materials moved by water includes packaged goods only, such as drums and containers. Does not include tankers, barges and large vessels which carry hazardous materials in bulk.

Source: Pipeline and Hazardous Materials Safety Administration, US DOT

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