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# **WATERBORNE COMMERCE OF THE UNITED STATES**

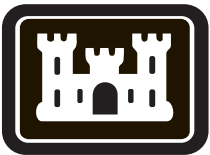
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Calendar Year 2003

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Part 5—  
National Summaries

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Compiled under the supervision of  
the Institute for Water Resources  
U.S. Army Corps of Engineers  
Alexandria, Virginia

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# Introduction

## General

*Waterborne Commerce of the United States, WCUS, Part 5 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4* present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, and its territories. **WCUS, Part 5** provides a condensation of this detailed information thereby providing the decision makers a broad perspective of commerce served by the U.S. waterways and ports.

**WCUS, Part 5** provides extensive graphic and tabular displays of both current waterborne traffic and historic levels. Statistics are aggregated by region, state, port and waterway for comparative purposes.

**Data on foreign commerce are supplied to the Corps of Engineers by the U.S. Bureau of the Census, U.S. Customs, and purchased from the Journal of Commerce, Port Import Export Reporting Service..**

The publication numbers and the geographical areas covered in **WCUS, Parts 1-5** are detailed below:

**WCUS, Part 1 Atlantic Coast**

**WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles**

**WCUS, Part 3 Great Lakes**

**WCUS, Part 4 Pacific Coast, Alaska and Hawaii**

**WCUS, Part 5 National Summaries**

## Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and

all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight, and tonnage as may be required by the Secretary of the Army: Provided, That this provision shall not apply to those rafting logs except upon a direct request upon the owner to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation, against any person or entity that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

## Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of individual vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

Beginning in 1996, fish are excluded from internal and intraport domestic traffic. The fish landing data in Tables 4-3 and 5-3 are furnished by the National Marine Fisheries Service.

In tables containing domestic tonnage totals for the U.S., the commodity "Waterway Improvement Materials" is not included. "Waterway Improvement Materials" tonnage is included in domestic ports, waterways and waterway systems. This is the same procedure that has been used in years prior to 1990; therefore, the tonnages for years 1990 and later are comparable to tonnages in years prior to 1990.

### Foreign Commerce

Foreign commerce is waterborne import, export and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between any foreign country and the United States Territories and Possessions (American Samoa, Guam, North Mariana Islands and U.S. Outlying Islands).

Beginning with the calendar year 2000 publication, foreign waterborne import, export and in-transit cargo statistics are derived primarily from data purchased from the Port Import Export Reporting Service, a division of the Journal of Commerce and supplemented by data furnished to the Corps of Engineers by the U.S. Bureau of the Census and the U.S.

Customs Service. Foreign cargo is matched to the vessel moves to improve geographic specificity.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not reported to the Waterborne Commerce Statistics Center (WCSC). Beginning with calendar year 1989 shipments under the military assistance program of the Department of Defense are included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

### Commodity Descriptions

The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS AND WCSC codes were standardized to reflect the hierarchical structure of the Standard International Trade Classification (SITC) Revision 3 commodity codes. SITC, REV. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as, with commodity movements of other countries.

### Tonnage

The tonnage figures provided throughout the **WCUS, Parts 1-5** represent short tons (2000 pounds). A dash means zero tons. A zero represents tonnage that rounds down to zero. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Some freight tables have "Total" and "Grand Total". The "Total" means that in some cases it is the total for domestic or foreign and Canadian traffic. The "Grand Total" specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. If a particular column or traffic type has only dashes and zeroes in the tonnage fields for that entire freight table then that column (traffic type) will not print.

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**Ton-Miles**

Ton-miles shown in Part 5 are national totals. For domestic movements, ton-miles equal the cargo tonnage times the distance between the point of loading on the water and the point of unloading on the water. For U.S. - Canada movements on the Great Lakes, ton-miles equal the tonnage times the distance between the U.S. and Canadian locations. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest million ton-miles.

**Special Interest**

Errata were issued for the calendar year 2000 **WCUS, Parts 1-5** publications to correct a conversion factor problem with inbound foreign crude petroleum. The corrected publications are on our web site:

[www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm](http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm)

# Terminology

## Types of Traffic

### *Foreign*

**Inbound:** Includes waterborne imports and inbound in-transit merchandise.

#### **Imports**

**Overseas:** Inbound merchandise originating in foreign countries other than Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

**Canadian:** Inbound merchandise originating in Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

**Inbound In-transits:** Merchandise coming into the United States by marine vessel from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as inbound when unloaded from a marine vessel.

**Outbound:** Includes waterborne exports and outbound in-transit merchandise.

#### **Exports**

**Overseas:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to foreign countries other than Canada.

**Canadian:** Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to Canada.

**Outbound In-transits:** Merchandise coming into the United States from a foreign country and shipped by marine vessel to a foreign country without having been entered as an import. In-transit merchandise is treated as outbound when loaded onto a marine vessel.

### *Domestic*

**Coastwise:** Domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, (e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

**Lakewise:** Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

**Internal:** Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska.

The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and the San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

**Intraport:** Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

**Through:** Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

**Intra-waterway:** Shipments and receipts within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

**Intra-territory:** Traffic between ports in Puerto Rico and the Virgin Islands, which are considered a single unit.

## Traffic Direction

### Waterways

**Upbound:** Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

**Downbound:** Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westwardly direction.

**Inbound:** Traffic moving from one waterway into another where the destination is on the subject waterway.

**Outbound:** Traffic moving from one waterway into another where the origin is on the subject waterway.

### Ports

**Receipts:** Traffic moving from one location to another where the destination is within the limits of the subject port.

**Shipments:** Traffic moving from one location to another where the origin is within the limits of the subject port.

**Commodity Descriptions:** The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System, (LPMS), commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard International Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

**Tons:** The tonnage figures provided throughout the *Waterborne Commerce of the United States*, **WCUS**, **Parts 1-5** represent short tons (2000 pounds).

Where noted, tonnage figures are rounded to the nearest million. A zero represents less than 500,000 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

**Ton-miles:** Ton-miles in Part 5 are national totals. Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles.



Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water from the point of loading onto the vessel to the point of unloading off of the vessel. Coastwise ton-miles includes the distance across open ocean and the Gulf of Mexico.

For rivers, inland waterways and coastal routes the distances were computed from waterway survey maps , NOAA charts and records of the Corps of Engineers.

For the Great Lakes system the ton-miles are computed for movements of cargo west of the international boundary of St. Regis, Quebec, Canada to head of Lake Superior at Duluth, MN and Superior, WI.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For Canadian imports and exports, and in-transits across the Great Lakes foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For overseas imports and exports, and in-transits foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Distances across the oceans are not included in the computation of the overseas foreign ton-miles.

Ton-miles are rounded to the nearest million.

**Trip Ton-miles:** Trip ton-miles is a measure of a single waterway's contribution to the whole waterway system. Trip ton-miles are computed by identifying every commercial cargo-carrying vessel that has plied a particular inland waterway and summing the products of the tons times the total trip-miles for each vessel trip. "Trip-miles" is the total distance from origin (loading) to destination (unloading). For example, a barge carrying 1,200 tons of wheat might only travel 30 miles on the Illinois River but its total trip to New Orleans might be 1,000 miles. This trip would contribute 1,200,000 trip ton-miles to the Illinois River. Small rivers often contribute to the traffic on larger rivers. Published trip ton-miles do not include coastal and Great Lakes vessel movements.

**Trans-Shipments:** Ports and offshore anchorages where cargo is moved from one vessel to another. These are: St. Lucia, Virgin Islands; Heald Bank off the Louisiana and Texas coasts; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

## Commodity Classification List

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>
00	Units						3281 Radioactive Material
		0200	Vehicles				3282 Pigments & Paints
		0300	Passengers				3283 Coloring Mat. NEC
							3284 Medicines
							3285 Perfumes & Cleansers
10	Coal						3286 Plastics
		1100	Coal				3291 Pesticides
		1200	Coal Coke				3292 Starches, Gluten, Glue
							3293 Explosives
20	Petroleum & Petroleum Products						3297 Chemical Additives
	21 Crude Petroleum						3298 Wood & Resin Chem.
		2100	Crude Petroleum				3299 Chem. Products NEC
	22-29 Petroleum Products						
		2211	Gasoline	40	Crude Materials, Inedible Except Fuels		
		2221	Kerosene			41	Forest Products, Wood and Chips
		2330	Distillate Fuel Oil				4110 Rubber & Gums
		2340	Residual Fuel Oil				4150 Fuel Wood
		2350	Lube Oil & Greases				4161 Wood Chips
		2410	Petro. Jelly & Waxes				4170 Wood in the Rough
		2429	Naphtha & Solvents				4189 Lumber
		2430	Asphalt, Tar & Pitch				4190 Forest Products NEC
		2540	Petroleum Coke	42	Pulp and Waste Paper		
		2640	Liquid Natural Gas				4225 Pulp & Waste Paper
		2990	Petro. Products NEC	43	Soil, Sand, Gravel, Rock and Stone		
							4310 Building Stone
							4322 Limestone
30	Chemicals and Related Products						4323 Gypsum
	31 Fertilizers						4327 Phosphate Rock
		3110	Nitrogenous Fert.				4331 Sand & Gravel
		3120	Phosphatic Fert.				4333 Dredged Material
		3130	Potassic Fert.				4335 Waterway Improv. Mat
		3190	Fert. & Mixes NEC				4338 Soil & Fill Dirt
	32 Other Chemicals and Related Products			44	Iron Ore and Scrap		
		3211	Acyclic Hydrocarbons				4410 Iron Ore
		3212	Benzene & Toluene				4420 Iron & Steel Scrap
		3219	Other Hydrocarbons	45	Marine Shells		
		3220	Alcohols				4515 Marine Shells
		3230	Carboxylic Acids	46	Non-Ferrous Ores and Scrap		
		3240	Nitrogen Func. Comp.				4630 Copper Ore
		3250	Organo-Inorganic Comp.				4650 Aluminum Ore
		3260	Organic Comp. NEC				4670 Manganese Ore
		3271	Sulphur (Liquid)				4680 Non-Ferrous Scrap
		3272	Sulphuric Acid				4690 Non-Ferrous Ores NEC
		3273	Ammonia	47	Sulphur, Clay and Salt		
		3274	Sodium Hydroxide				4741 Sulphur, (Dry)
		3275	Inorg. Elem., Oxides, & Halogen Salts				4782 Clay & Refrac. Mat.
		3276	Metallic Salts				4783 Salt
		3279	Inorganic Chem. NEC	48	Slag		
							4860 Slag

## Commodity Classification List (continued)

Major Grouping

Minor Grouping

Pub Group Pub Name

- 49 Other Non- Metal. Min.  
4900 Non- Metal. Min. NEC
- 50 Primary Manufactured Goods
  - 51 Paper Products
    - 5110 Newsprint
    - 5120 Paper & Paper board
    - 5190 Paper Products NEC
  - 52 Lime, Cement and Glass
    - 5210 Lime
    - 5220 Cement & Concrete
    - 5240 Glass & Glass Prod.
    - 5290 Misc. Mineral Prod.
  - 53 Primary Iron and Steel Products
    - 5312 Pig Iron
    - 5315 Ferro Alloys
    - 5320 I&S Primary Forms
    - 5330 I&S Plates & Sheets
    - 5360 I&S Bars & Shapes
    - 5370 I&S Pipe & Tube
    - 5390 Primary I&S NEC
  - 54 Primary Non- Ferrous Metal Products
    - 5421 Copper
    - 5422 Aluminum
    - 5429 Smelted Prod. NEC
    - 5480 Fab. Metal Products
  - 55 Primary Wood Products; Veneer
    - 5540 Primary Wood Prod.
- 60 Food and Farm Products
  - 61 Fish
    - 6134 Fish (Not Shell fish)
    - 6136 Shellfish
  - 62- 64 Grain
    - 6241 Wheat
    - 6344 Corn
    - 6442 Rice
    - 6443 Barley & Rye
    - 6445 Oats
    - 6447 Sorghum Grains
  - 65 Oil seeds
    - 6521 Peanuts
    - 6522 Soybeans
    - 6534 Flaxseed
    - 6590 Oilseeds NEC
  - 66 Vegetable Products
    - 6653 Vegetable Oils
    - 6654 Vegetables & Prod.
  - 67 Processed Grain and Animal Feed
    - 6746 Wheat Flour
    - 6747 Grain Mill Products

Major Grouping

Minor Grouping

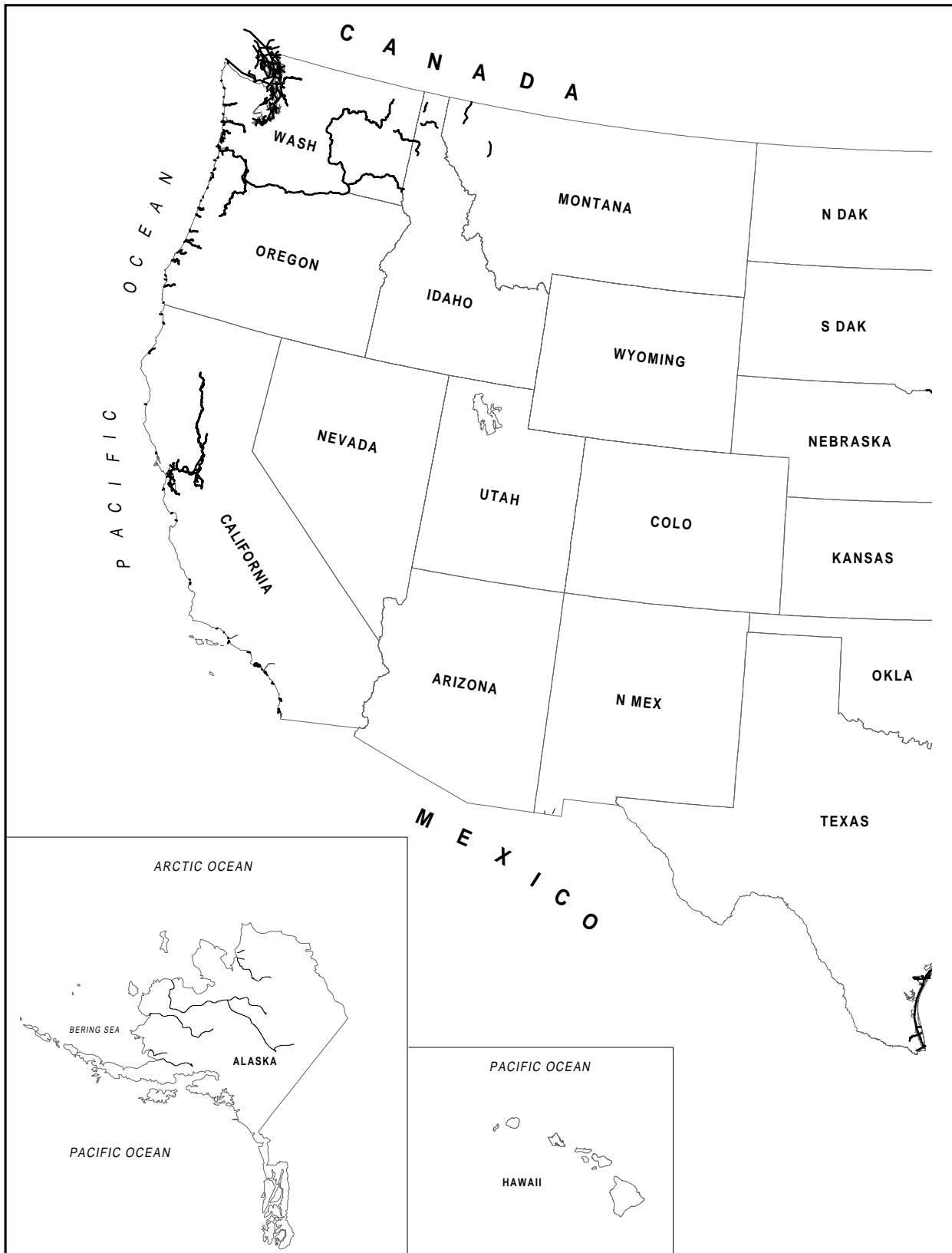
Pub Group Pub Name

- 6781 Hay & Fod der
- 6782 Animal Feed, Prep.
- 68 Other Agricultural Products
  - 6811 Meat, Fresh, Frozen
  - 6817 Meat, Prepared
  - 6822 Dairy Products
  - 6835 Fish, Prepared
  - 6838 Tallow, Animal Oils
  - 6839 Animals & Prod. NEC
  - 6856 Bananas & Plantains
  - 6857 Fruit & Nuts NEC
  - 6858 Fruit Juices
  - 6861 Sugar
  - 6865 Molasses
  - 6871 Coffee
  - 6872 Cocoa Beans
  - 6885 Alcoholic Beverages
  - 6887 Groceries
  - 6888 Water & Ice
  - 6889 Food Products NEC
  - 6891 Tobacco & Products
  - 6893 Cotton
  - 6894 Natural Fibers NEC
  - 6899 Farm Products NEC
- 70 All Manufactured Equipment, Machinery and Products
  - 7110 Machinery (Not Elec)
  - 7120 Electrical Machinery
  - 7210 Vehicles & Parts
  - 7220 Aircraft & Parts
  - 7230 Ships & Boats
  - 7300 Ordnance & Access.
  - 7400 Manufac. Wood Prod.
  - 7500 Textile Products
  - 7600 Rubber & Plastic Pr.
  - 7800 Empty Containers
  - 7900 Manufac. Prod. NEC
- 80 Waste and Scrap NEC
  - 8900 Waste and Scrap NEC
- 90 Unknown or Not Elsewhere Classified
  - 99 Unknown or Not Elsewhere Clsfd
  - 9900 Unknown or NEC



Section 1  
National Summaries

Figure 1-1: MAJOR WATERWAYS



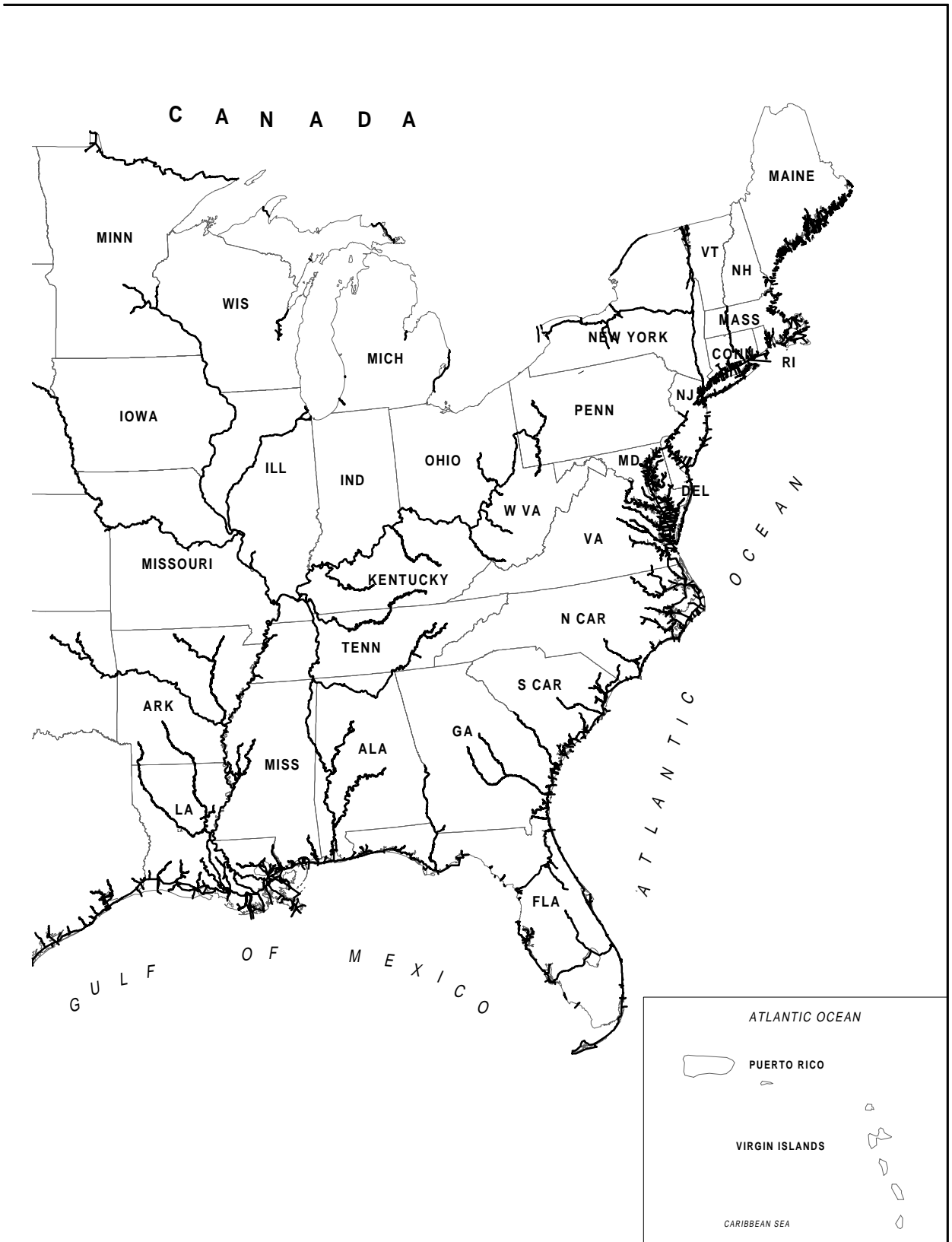


Figure 1-2  
 TOTAL WATERBORNE COMMERCE OF THE U.S., 1964-2003  
 (million short tons)

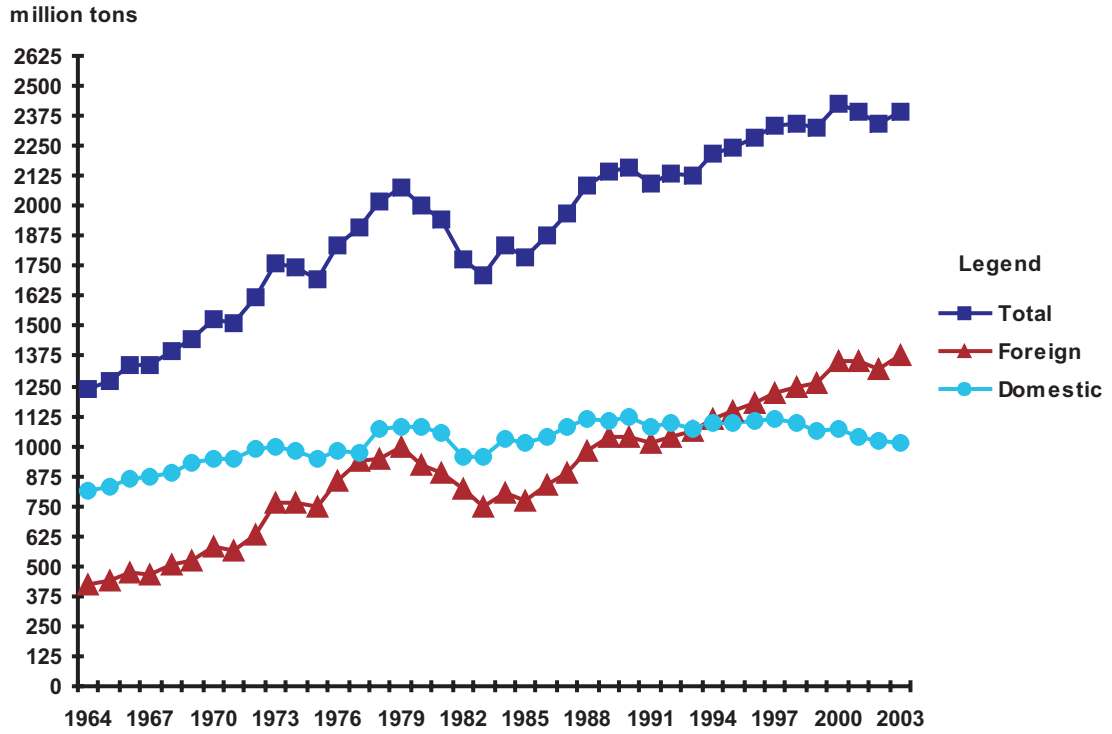




Table 1-1: TOTAL WATERBORNE COMMERCE OF THE U.S., 1964-2003  
(in short tons of 2000 pounds)

Year	Total	Foreign	Domestic
1964	1,238,093,573	421,925,133	816,168,440
1965	1,272,896,243	443,726,809	829,169,434
1966	1,334,116,078	471,391,083	862,724,995
1967	1,336,606,078	465,972,238	870,633,840
1968	1,395,839,450	507,950,002	887,889,448
1969	1,448,711,541	521,312,362	927,399,179
1970	1,531,696,507	580,969,133	950,727,374
1971	1,512,583,690	565,985,584	946,598,106
1972	1,616,792,605	629,980,844	986,811,761
1973	1,761,552,010	767,393,903	994,158,107
1974	1,746,788,544	764,088,905	982,699,639
1975	1,695,034,366	748,707,407	946,326,959
1976	1,835,006,819	855,963,909	979,042,910
1977	1,908,223,619	935,256,813	972,966,806
1978	2,021,349,754	946,057,889	1,075,291,865
1979	2,073,757,628	993,444,963	1,080,312,665
1980	1,998,887,402	921,404,000	1,077,483,402
1981	1,941,558,947	887,102,150	1,054,456,797
1982	1,776,740,579	819,730,983	957,009,596
1983	1,707,661,011	751,140,194	956,520,817
1984	1,836,020,619	803,338,133	1,032,682,486
1985	1,788,434,822	774,323,283	1,014,111,539
1986	1,874,416,280	837,223,503	1,037,192,777
1987	1,967,458,261	890,980,045	1,076,478,216
1988	2,087,993,484	976,220,985	1,111,772,499
1989	2,140,442,372	1,037,910,213	1,102,532,159
1990	2,163,854,373	1,041,555,740	1,122,298,633
1991	2,092,108,462	1,013,557,036	1,078,551,426
1992	2,132,095,154	1,037,466,130	1,094,629,024
1993	2,128,221,188	1,060,041,217	1,068,179,971
1994	2,214,754,086	1,115,742,828	1,099,011,258
1995	2,240,393,059	1,147,357,782	1,093,035,277
1996	2,284,065,249	1,183,386,621	*1,100,678,628
1997	2,333,142,046	1,220,615,132	1,112,526,914
1998	2,339,500,081	1,245,388,049	1,094,112,032
1999	2,322,557,251	1,260,770,656	1,061,786,595
2000	2,424,588,877	1,354,790,984	1,069,804,693
2001	2,393,298,249	1,350,826,076	1,042,472,173
2002	2,340,291,913	1,319,290,931	1,021,000,982
<b>2003</b>	<b>2,394,251,814</b>	<b>1,378,115,758</b>	<b>1,016,136,056</b>

\* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

Table 1-2: FOREIGN WATERBORNE COMMERCE OF THE U.S., 1964-2003  
(in short tons of 2000 pounds)

Year	Inbound				Outbound			
	Total	Coastal	Great Lakes		Total	Coastal	Great Lakes	
			Canadian	Overseas			Canadian	Overseas
1964	248,585,715	224,433,206	22,118,397	2,034,112	173,339,418	142,874,452	24,866,892	5,598,074
1965	269,834,819	244,874,087	21,059,701	3,901,031	173,891,990	142,121,011	25,692,770	6,078,209
1966	283,847,300	257,173,478	22,585,271	4,088,551	187,543,783	155,759,371	24,905,662	6,878,750
1967	275,965,191	248,245,275	23,269,404	4,450,512	190,007,047	162,443,124	21,896,595	5,667,328
1968	310,936,331	278,826,933	25,658,847	6,450,551	197,013,671	166,579,691	24,444,154	5,989,826
1969	320,293,084	295,647,991	19,770,247	4,874,846	201,019,278	168,944,254	25,235,730	6,839,294
1970	339,339,772	312,933,583	21,820,193	4,585,996	241,629,361	205,697,712	29,146,465	6,785,184
1971	359,745,840	333,776,713	19,104,708	6,864,419	206,239,744	172,758,807	24,757,317	8,723,620
1972	397,565,612	372,417,770	18,861,084	6,286,758	232,415,232	197,430,445	25,352,496	9,632,291
1973	490,088,015	461,828,145	22,988,904	5,270,966	277,305,888	238,807,467	28,435,708	10,062,713
1974	497,282,811	473,940,012	19,027,376	4,315,423	266,806,094	238,686,754	23,342,970	4,776,370
1975	476,572,426	455,117,218	18,121,866	3,333,342	272,134,891	236,707,996	28,707,321	6,719,574
1976	570,318,893	539,674,048	25,845,506	4,799,339	285,645,016	250,632,668	28,050,680	6,961,668
1977	658,136,893	625,308,679	25,416,264	7,411,950	277,119,920	240,784,157	27,741,857	8,593,906
1978	643,186,863	616,140,827	19,916,819	7,129,217	302,871,026	259,316,657	30,961,456	12,592,913
1979	632,995,657	607,898,526	19,450,918	5,646,213	360,449,306	311,786,293	37,964,841	10,698,172
1980	517,521,121	502,005,866	13,414,205	2,101,050	403,882,879	358,805,981	37,216,588	7,860,310
1981	477,191,504	457,467,479	16,794,705	2,929,320	409,910,646	366,424,418	36,976,771	6,509,457
1982	416,621,434	402,511,218	11,541,473	2,568,743	403,109,549	366,825,117	29,701,691	6,582,741
1983	387,847,325	371,773,135	13,080,460	2,993,730	363,292,869	330,955,677	26,794,890	5,542,302
1984	427,139,571	409,295,162	12,922,699	4,921,710	376,198,562	335,269,229	32,286,050	8,643,283
1985	412,687,350	395,577,007	11,916,969	5,193,374	361,635,933	327,425,824	27,727,141	6,482,968
1986	486,073,464	472,230,980	9,597,544	4,244,940	351,150,039	319,163,161	25,248,144	6,738,734
1987	507,704,274	493,828,182	10,040,313	3,835,779	383,275,771	351,226,492	26,766,116	5,283,163
1988	549,897,111	534,043,106	11,720,685	4,133,320	426,323,874	389,686,249	31,651,401	4,986,224
1989	589,504,121	571,732,624	13,535,132	4,236,365	448,406,092	411,338,444	31,936,141	5,131,507
1990	599,969,567	582,411,718	14,534,942	3,022,907	441,586,173	408,688,047	29,561,192	3,336,934
1991	555,354,134	541,066,623	12,078,748	2,208,763	458,202,902	430,654,747	25,178,669	2,369,486
1992	586,708,302	571,286,921	11,965,503	3,455,878	450,757,828	420,666,674	27,978,689	2,112,465
1993	648,783,131	630,700,438	13,680,579	4,402,114	411,258,086	385,697,690	22,914,344	2,646,052
1994	719,497,159	696,468,970	17,045,105	5,983,084	396,245,669	369,138,035	23,844,491	3,263,143
1995	672,657,412	653,760,004	15,635,613	3,261,795	474,700,370	441,732,416	29,182,948	3,785,006
1996	732,592,335	708,089,695	19,081,763	5,420,877	450,794,286	418,939,647	28,335,088	3,519,551
1997	788,302,568	763,770,891	19,984,130	4,547,547	432,312,564	399,103,578	29,718,807	3,490,179
1998	840,680,379	815,122,429	19,645,061	5,912,889	404,707,670	367,831,224	32,290,468	4,585,978
1999	860,775,000	838,578,522	18,112,543	4,083,935	399,995,656	359,762,874	36,256,293	3,976,489
2000	939,748,625	915,831,649	19,369,124	4,547,852	415,042,359	374,911,407	36,295,686	3,835,266
2001	951,815,354	929,794,190	18,920,172	3,100,992	399,010,722	358,491,237	37,350,838	3,168,647
2002	934,941,092	929,794,228	18,195,566	3,352,501	384,349,839	346,283,525	35,324,766	2,741,548
<b>2003</b>	<b>1,004,791,494</b>	<b>981,455,427</b>	<b>21,304,177</b>	<b>2,031,890</b>	<b>373,324,264</b>	<b>340,381,209</b>	<b>30,604,158</b>	<b>2,338,897</b>

Table 1-3: DOMESTIC WATERBORNE COMMERCE OF THE U.S., 1964-2003  
(in short tons of 2000 pounds)

Year	Total	Coastwise	Lakewise	Internal	Intraport	Intra-territory
1964	816,168,440	205,687,985	151,404,618	357,916,216	99,579,422	1,580,199
1965	829,169,434	201,508,107	153,695,242	369,615,461	102,865,022	1,485,602
1966	862,724,995	208,374,966	164,036,995	389,851,631	99,214,579	1,246,824
1967	870,633,840	214,646,527	153,596,684	398,592,679	102,320,054	1,477,896
1968	887,889,448	214,250,535	151,115,936	430,174,303	90,730,336	1,618,338
1969	927,399,179	216,707,773	160,843,835	460,944,875	87,536,483	1,366,213
1970	950,727,374	238,440,385	157,058,867	472,123,417	81,474,805	1,629,900
1971	946,598,106	242,916,056	140,954,956	479,217,765	81,252,652	2,256,677
1972	986,811,761	242,660,087	145,013,420	506,989,242	90,266,095	1,882,917
1973	994,158,107	236,794,660	156,620,831	503,236,890	93,222,623	4,283,103
1974	982,699,639	233,358,124	146,067,270	511,021,978	88,197,576	4,054,691
1975	946,326,959	231,932,437	129,331,161	503,932,258	78,279,224	2,851,879
1976	979,042,910	236,278,624	132,112,775	523,972,573	83,731,092	2,947,846
1977	972,966,806	248,083,336	109,079,945	528,704,658	83,444,472	3,654,395
1978	1,075,291,865	305,342,824	142,662,552	534,508,943	89,506,584	3,270,962
1979	1,080,312,665	304,665,522	143,563,644	534,969,167	93,113,665	4,000,667
1980	1,077,483,402	329,608,613	115,124,231	534,979,027	94,183,696	3,587,835
1981	1,054,456,797	321,989,988	115,418,165	520,668,720	93,249,873	3,130,051
1982	957,009,596	311,058,264	72,084,986	495,453,486	75,601,691	2,811,169
1983	956,520,817	309,636,759	83,446,847	487,132,248	73,144,961	3,160,002
1984	1,032,682,486	307,652,127	98,010,499	542,502,695	81,110,880	3,406,285
1985	1,014,111,539	309,801,605	91,987,003	534,658,233	74,263,246	3,401,452
1986	1,037,192,777	308,024,669	87,352,525	560,499,024	77,357,617	3,958,942
1987	1,076,478,216	323,518,318	96,483,652	569,826,970	81,951,080	4,698,196
1988	1,111,772,499	325,176,859	109,664,111	588,118,666	83,689,494	5,123,369
1989	1,102,532,159	302,026,859	109,086,425	606,005,956	80,207,745	5,205,174
1990	1,122,298,633	298,636,988	110,159,406	622,595,330	86,377,845	4,529,064
1991	1,078,551,426	294,542,786	103,426,933	600,386,004	75,634,960	4,558,743
1992	1,094,629,024	285,130,765	107,398,037	621,037,417	76,817,429	4,245,376
1993	1,068,179,971	271,717,424	109,853,847	607,253,349	74,390,472	4,964,879
1994	1,099,011,258	277,029,286	114,777,289	618,408,708	82,870,326	5,925,649
1995	1,093,035,277	266,612,137	116,126,515	620,324,217	83,104,283	6,868,125
1996	1,100,678,628	267,388,864	114,870,355	*622,081,474	*89,010,522	7,327,413
1997	1,112,526,914	263,145,835	122,734,048	630,558,223	89,816,062	6,272,746
1998	1,094,112,032	249,633,315	122,156,449	625,028,190	90,076,701	7,217,377
1999	1,061,786,595	228,801,887	113,887,247	624,574,894	88,649,805	5,872,762
2000	1,069,797,893	226,937,548	114,352,406	628,444,991	94,558,249	5,504,699
2001	1,042,472,173	223,605,585	100,002,083	619,783,990	93,222,071	5,858,444
2002	1,021,000,982	216,395,545	101,466,070	608,038,126	90,004,416	5,096,825
<b>2003</b>	<b>1,016,136,056</b>	<b>223,457,784</b>	<b>89,775,577</b>	<b>609,598,211</b>	<b>86,909,325</b>	<b>6,395,159</b>

\* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

Table 1-4: TOTAL WATERBORNE COMMERCE, 1984-2003  
TON-MILES, SHORT TONS AND AVERAGE HAUL<sup>+++</sup> BY TYPE OF TRAFFIC

Year	Grand Total	Foreign			Domestic				
		Total	Great Lakes	Coastal	Total	Coastwise	Lakewise	Internal	Intraport
Ton-Miles*** (millions)									
1984	966,478.2	78,758.2	*32,249.4	**46,508.8	887,720.0	593,923.1	49,784.4	242,855.4	1,157.1
1985	964,911.2	71,941.2	*27,171.8	**44,769.4	892,970.0	610,976.5	48,184.0	232,707.5	1,102.0
1986	944,910.5	71,509.4	*24,235.3	**47,274.2	873,401.0	580,888.7	43,198.2	248,116.9	1,197.3
1987	968,403.7	72,988.2	*22,003.3	**50,985.0	895,415.5	586,818.4	50,076.7	257,336.4	1,183.9
1988	970,685.0	80,656.6	*24,448.4	**56,208.2	890,028.4	561,594.9	58,159.5	269,035.7	1,238.4
1989	911,232.2	95,682.3	*27,118.9	**68,563.4	815,549.9	483,888.6	58,307.6	272,157.4	1,196.3
1990	+932,151.4	+98,607.6	*24,330.8	**74,276.9	833,543.8	479,133.6	60,929.9	292,393.3	1,087.0
1991	+938,671.3	+90,272.3	*17,102.6	**73,169.7	848,399.0	502,133.0	55,339.1	289,959.0	968.0
1992	+949,344.7	+92,660.1	*21,027.6	**71,632.5	856,684.6	502,311.0	55,784.6	297,638.7	950.3
1993	+882,605.8	+92,947.9	*26,106.8	**66,841.1	789,657.9	448,404.2	56,438.1	283,893.6	921.9
1994	909,405.0	94,485.8	*28,299.6	**66,186.2	814,919.2	457,600.7	58,263.4	297,762.4	1,292.7
1995	914,362.5	106,634.9	*31,656.5	**74,978.4	807,727.7	440,345.1	59,703.8	306,329.1	1,349.6
1996	870,193.4	105,506.9	*34,259.9	**71,247.0	764,686.5	408,086.1	58,335.3	296,790.6	1,474.5
1997	813,800.1	106,390.2	*32,535.9	**73,854.3	707,409.9	349,843.0	62,165.9	294,023.0	1,378.1
1998	780,449.8	107,704.5	*34,136.7	**73,567.8	672,795.3	314,863.9	61,654.3	294,896.4	1,380.7
1999	764,447.5	108,585.9	*34,846.7	**73,739.2	655,861.5	292,730.0	57,045.2	304,724.1	1,362.2
2000	763,421.1	117,621.8	*38,623.3	**78,998.5	645,799.3	283,871.6	57,879.1	302,558.4	1,490.2
2001	736,930.0	115,243.8	*36,580.1	**78,663.8	621,686.2	274,558.8	50,853.5	294,860.9	1,413.0
2002	721,421.7	109,341.1	*34,921.3	**74,419.9	612,080.5	263,688.2	53,652.9	293,410.3	1,329.0
<b>2003</b>	<b>714,289.5</b>	<b>108,294.1</b>	<b>*32,921.5</b>	<b>**75,372.7</b>	<b>606,146.3</b>	<b>278,918.7</b>	<b>47,539.4</b>	<b>378,352.3</b>	<b>1,335.9</b>
Tons (millions)									
1984	1,832.6	803.3	58.8	744.6	1,029.3	307.7	98.0	542.5	81.1
1985	1,785.0	774.3	51.3	723.0	1,010.7	309.8	92.0	534.7	74.3
1986	1,870.5	837.2	45.8	791.4	1,033.2	308.0	87.4	560.5	77.4
1987	1,962.8	891.0	45.9	845.1	1,071.8	323.5	96.5	569.8	82.0
1988	2,082.9	976.2	52.5	923.7	1,106.6	325.2	109.7	588.1	83.7
1989	2,135.2	1,037.9	54.8	983.1	1,097.3	302.0	109.1	606.0	80.2
1990	2,159.3	1,041.6	50.5	991.1	1,117.8	298.6	110.2	622.5	86.4
1991	2,087.6	1,013.6	41.8	971.8	1,074.0	294.5	103.4	600.4	75.6
1992	2,127.9	1,037.5	45.5	992.0	1,090.4	285.1	107.4	621.0	76.8
1993	2,123.3	1,060.0	43.6	1,016.4	1,063.2	271.7	109.8	607.3	74.4
1994	2,208.8	1,115.7	50.1	1,065.6	1,093.1	277.0	114.8	618.4	82.9
1995	2,233.5	1,147.4	51.9	1,095.5	1,086.2	266.6	116.1	620.3	83.1
1996	2,276.7	1,183.4	56.4	1,127.0	1,093.4	267.4	114.9	++622.1	++89.0
1997	2,326.9	1,220.6	57.7	1,162.9	1,106.3	263.1	122.7	630.6	89.8
1998	2,332.3	1,245.4	62.4	1,183.0	1,086.9	249.6	122.2	625.0	90.1
1999	2,316.7	1,260.8	62.4	1,198.3	1,055.9	228.8	113.9	624.6	88.60
2000	2,419.1	1,354.8	64.0	1,290.7	1,064.3	226.9	114.4	628.4	94.6
2001	2,387.4	1,350.8	62.5	1,288.3	1,036.6	223.6	100.0	619.8	93.2
2002	2,335.2	1,319.3	59.6	1,259.7	1,015.9	216.4	101.5	608.0	90.0
<b>2003</b>	<b>2,387.9</b>	<b>1,378.1</b>	<b>56.3</b>	<b>1,321.8</b>	<b>1,009.7</b>	<b>223.5</b>	<b>89.8</b>	<b>609.6</b>	<b>86.9</b>

\*\* Based on distance transported on Great Lakes and St. Lawrence River to International Boundary at St. Regis, Quebec, Canada  
 \*\*\* Based on distance transported on United States Waterways from entrance channels to ports and waterways.  
 \*\*\*\* Excludes intra-territory traffic for which ton-miles were not compiled.  
 +\* An error in the routing network caused the coastal port foreign ton-mile totals to be slightly inflated for calendar years 1990-1993. The corrections are reflected in these revised totals. Ton-miles for individual ports were not affected.  
 ++ Beginning in 1996, fish was excluded.  
 +++ "Average Haul" is the average distance a ton of cargo travels by water. It is computed by dividing the number of ton-miles by the number of tons.

*Table 1-4: TOTAL WATERBORNE COMMERCE, 1984-2003*  
**TON-MILES, SHORT TONS AND AVERAGE HAUL+++ BY TYPE OF TRAFFIC**  
 (continued)

Year	Grand Total	Foreign			Domestic				
		Total	Great Lakes	Coastal	Total	Coastwise	Lakewise	Internal	Intraport
Average Haul*** (miles)									
1984	527.4	98.4	548.7	62.5	862.5	1,930.5	508.0	448.0	14.3
1985	540.5	92.9	529.5	61.9	883.5	1,972.2	523.8	435.2	14.8
1986	505.2	85.4	528.8	59.7	845.3	1,885.9	494.5	442.7	15.5
1987	493.3	81.9	479.1	60.3	835.4	1,813.9	519.0	451.6	14.4
1988	464.9	82.6	465.8	60.8	804.3	1,727.0	530.3	457.5	14.8
1989	426.8	92.3	494.5	69.7	743.2	1,602.1	534.5	449.1	14.9
1990	+431.7	+94.7	482.2	+74.9	745.7	1,604.4	553.1	469.7	12.6
1991	+449.6	+89.1	409.2	+75.3	789.9	1,704.8	535.0	483.0	12.8
1992	+446.1	+89.3	462.2	+72.2	785.7	1,761.7	519.4	479.3	12.4
1993	+415.7	+87.7	598.2	+65.8	742.7	1,650.3	513.8	467.5	12.4
1994	411.7	84.7	564.5	62.1	745.5	1,651.8	507.6	481.5	15.6
1995	409.4	92.9	610.4	68.4	743.6	1,651.6	514.1	493.8	16.2
1996	382.2	89.2	607.9	63.2	699.4	1,526.2	507.8	477.1	16.6
1997	349.7	87.2	563.5	63.5	639.5	1,329.5	506.5	466.3	15.3
1998	334.7	86.5	546.8	62.2	619.0	1,261.3	504.7	471.8	15.3
1999	330.0	86.1	558.2	61.5	621.1	1,279.4	500.9	487.9	15.4
2000	315.6	86.8	603.0	61.2	606.8	1,250.9	506.1	481.4	15.8
2001	308.7	85.3	584.9	61.1	599.7	1,227.9	508.5	475.7	15.2
2002	308.9	82.9	585.8	59.1	602.5	1,218.5	528.8	482.6	14.8
<b>2003</b>	<b>299.2</b>	<b>78.6</b>	<b>585.0</b>	<b>57.0</b>	<b>600.3</b>	<b>1,248.2</b>	<b>529.5</b>	<b>456.6</b>	<b>15.4</b>

\*\*\* Excludes intra-territory traffic for which ton-miles were not compiled.

+ An error in the routing network caused the coastal port foreign ton-mile totals to be slightly inflated for calendar years 1990-1993. The corrections are reflected in these revised totals. Ton-miles for individual ports were not affected.

+++ "Average Haul" is the average distance a ton of cargo travels by water. It is computed by dividing the number of ton-miles by the number of tons.

Figure 1-3  
TOTAL WATERBORNE COMMERCE, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

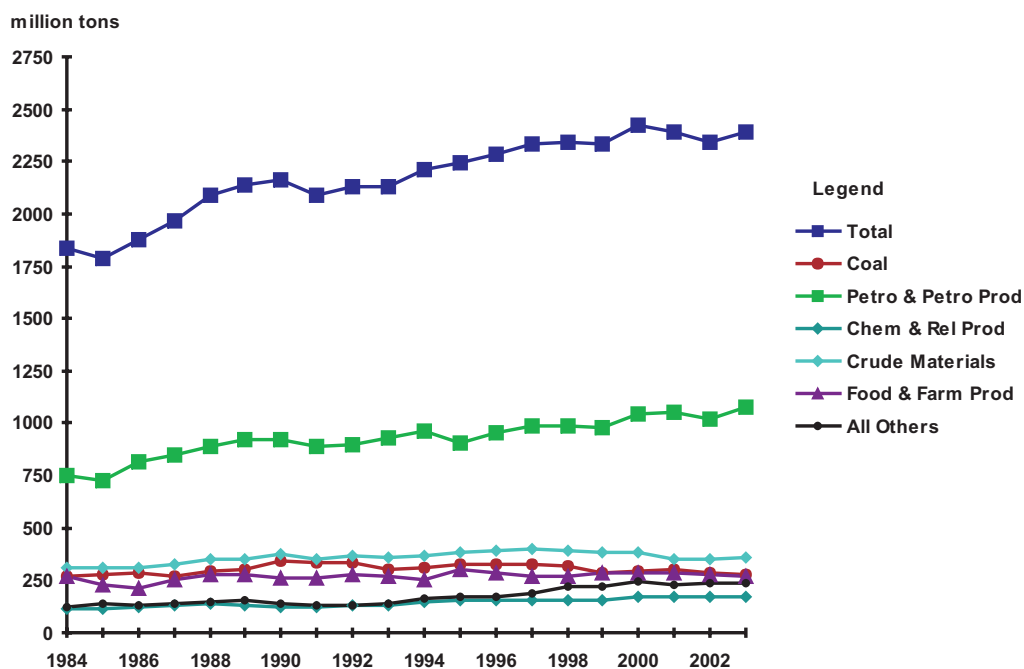


Table 1-5: TOTAL WATERBORNE COMMERCE, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>1,836.0</b>	<b>1,788.4</b>	<b>1,874.4</b>	<b>1,967.5</b>	<b>2,088.0</b>	<b>2,140.4</b>	<b>2,163.9</b>	<b>2,092.1</b>	<b>2,132.1</b>	<b>2,128.2</b>
Coal	271.8	273.9	283.9	271.3	292.2	304.8	339.9	336.8	332.2	300.4
Petro & Petro Prod	753.5	726.4	815.6	847.7	887.7	922.7	923.5	886.0	899.6	930.6
Chem & Rel Prod	115.1	114.3	118.6	129.0	138.8	127.8	123.8	125.1	128.7	131.6
Crude Materials	307.1	307.1	308.4	327.1	352.0	353.2	374.9	348.9	364.0	360.6
Primary Manuf Goods	69.3	76.9	76.0	76.5	79.5	77.8	76.0	71.8	70.1	76.8
Food & Farm Prod	268.3	231.0	215.2	254.1	273.4	276.0	267.5	263.9	280.4	269.3
All Manuf Equip	25.1	29.8	31.4	33.6	33.8	38.4	42.2	43.6	49.0	51.1
Other	25.8	29.1	25.5	28.2	30.5	39.7	16.5	16.0	8.0	7.9

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>2,214.8</b>	<b>2,240.4</b>	<b>2,284.1</b>	<b>2,333.1</b>	<b>2,339.5</b>	<b>2,322.6</b>	<b>2,424.6</b>	<b>2,393.3</b>	<b>2,340.3</b>	<b>2,394.3</b>
Coal	314.1	324.5	328.7	326.0	316.1	289.2	297.0	303.3	286.9	281.2
Petro & Petro Prod	961.3	907.1	954.4	988.2	987.4	979.1	1,043.9	1,055.3	1,017.9	1,080.5
Chem & Rel Prod	146.9	152.9	152.3	156.6	156.5	155.7	172.4	169.7	167.6	171.3
Crude Materials	369.3	381.7	388.7	400.9	394.3	386.6	380.3	354.0	352.0	358.0
Primary Manuf Goods	105.0	106.3	108.9	117.0	141.0	147.4	153.0	137.1	140.8	134.7
Food & Farm Prod	225.8	303.2	*284.9	271.7	265.7	287.9	283.3	281.9	280.0	265.7
All Manuf Equip	54.9	57.8	59.0	66.1	71.8	71.5	83.6	80.3	81.9	90.0
Other	7.3	6.9	7.2	6.6	6.6	5.2	11.1	11.7	13.2	12.8

\* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

Figure 1-4  
 FOREIGN WATERBORNE COMMERCE, 1984-2003  
 INBOUND AND OUTBOUND TRAFFIC  
 (million short tons)

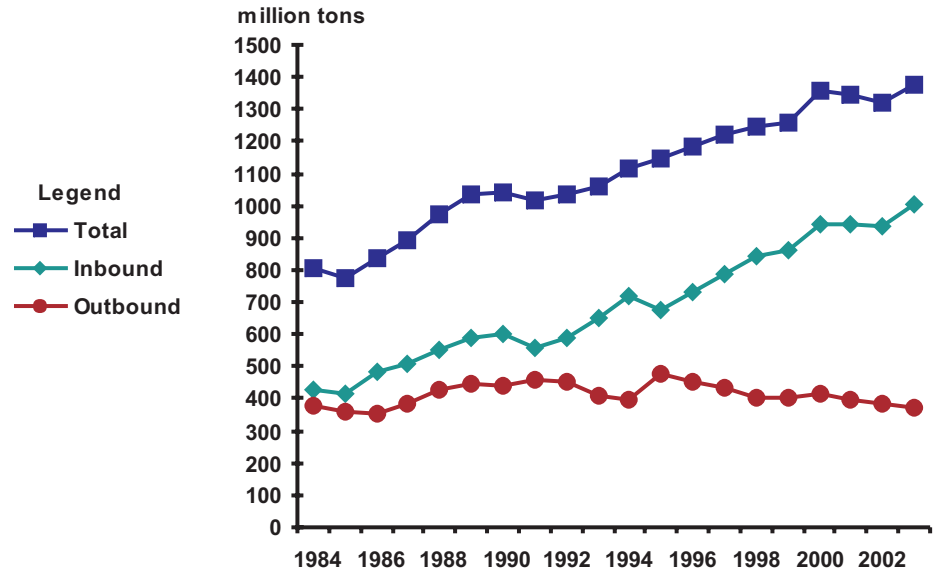


Table 1-6: FOREIGN WATERBORNE COMMERCE, 1984-2003  
 INBOUND AND OUTBOUND TRAFFIC  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>803.3</b>	<b>774.3</b>	<b>837.2</b>	<b>891.0</b>	<b>976.2</b>	<b>1,037.9</b>	<b>1,041.6</b>	<b>1,013.6</b>	<b>1,037.5</b>	<b>1,060.0</b>
Inbound	427.1	412.7	486.1	507.7	549.9	589.5	600.0	555.4	586.7	648.8
Outbound	376.2	361.6	351.2	383.3	426.3	448.4	441.6	458.2	450.8	411.3

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>1,115.7</b>	<b>1,147.4</b>	<b>1,183.4</b>	<b>1,220.6</b>	<b>1,245.4</b>	<b>1,260.8</b>	<b>1,354.8</b>	<b>1,350.8</b>	<b>1,319.3</b>	<b>1,378.1</b>
Inbound	719.5	672.7	732.6	788.3	840.7	860.8	939.7	951.8	934.9	1,004.8
Outbound	396.2	474.7	450.8	432.3	404.7	400.0	415.0	399.0	384.3	373.3

Figure 1-5  
FOREIGN WATERBORNE COMMERCE, 1984-2003  
TOTAL, COASTAL AND GREAT LAKES TRAFFIC  
(million short tons)

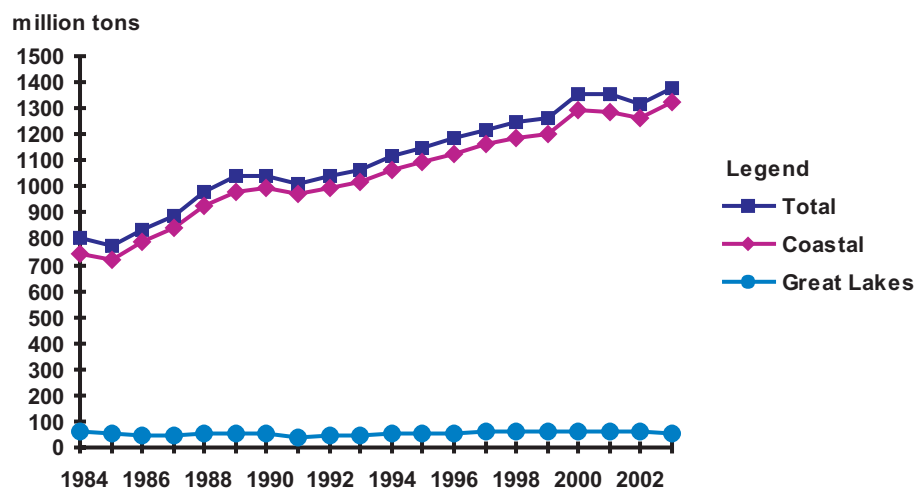


Table 1-7: FOREIGN WATERBORNE COMMERCE, 1984-2003  
TOTAL, COASTAL AND GREAT LAKES TRAFFIC  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>803.3</b>	<b>774.3</b>	<b>837.2</b>	<b>891.0</b>	<b>976.2</b>	<b>1,037.9</b>	<b>1,041.6</b>	<b>1,013.6</b>	<b>1,037.5</b>	<b>1,060.0</b>
Coastal	744.6	723.0	791.4	845.1	923.7	983.1	991.1	971.8	992.0	1,016.4
Great Lakes	58.8	51.3	45.8	45.9	52.5	54.8	50.5	41.8	45.5	43.6

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>1,115.7</b>	<b>1,147.4</b>	<b>1,183.4</b>	<b>1,220.6</b>	<b>1,245.4</b>	<b>1,260.8</b>	<b>1,354.8</b>	<b>1,350.8</b>	<b>1,319.3</b>	<b>1,378.1</b>
Coastal	1,065.6	1,095.5	1,127.0	1,162.9	1,183.0	1,198.3	1,290.7	1,288.3	1,259.7	1,321.8
Great Lakes	50.1	51.9	56.4	57.7	62.4	62.4	64.0	62.5	59.6	56.3



Figure 1-6  
 DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 BY TYPE OF TRAFFIC  
 (million short tons)

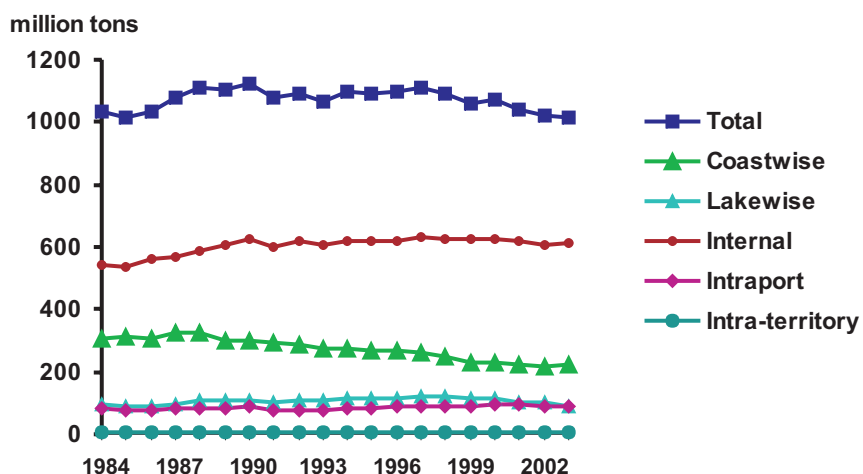


Table 1-8: DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 BY TYPE OF TRAFFIC  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>1,032.7</b>	<b>1,014.1</b>	<b>1,037.2</b>	<b>1,076.5</b>	<b>1,111.8</b>	<b>1,102.5</b>	<b>1,122.3</b>	<b>1,078.6</b>	<b>1,094.6</b>	<b>1,068.2</b>
Coastwise	307.7	309.8	308.0	323.5	325.2	302.0	298.6	294.5	285.1	271.7
Lakewise	98.0	92.0	87.4	96.5	109.7	109.1	110.2	103.4	107.4	109.9
Internal	542.5	534.7	560.5	569.8	588.1	606.0	622.6	600.4	621.0	607.3
Inraport	81.1	74.3	77.4	82.0	83.7	80.2	86.4	75.6	76.8	74.4
Intra-territory	3.4	3.4	4.0	4.7	5.1	5.2	4.5	4.6	4.2	5.0

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>1,099.0</b>	<b>1,093.0</b>	<b>1,100.7</b>	<b>1,112.5</b>	<b>1,094.1</b>	<b>1,061.8</b>	<b>1,069.8</b>	<b>1,042.5</b>	<b>1,021.0</b>	<b>1,016.1</b>
Coastwise	277.0	266.6	267.4	263.1	249.6	228.8	226.9	223.6	216.4	223.5
Lakewise	114.8	116.1	114.9	122.7	122.2	113.9	114.4	100.0	101.5	89.8
Internal	618.4	620.3	*622.1	630.6	625.0	624.6	628.4	619.8	608.0	609.6
Inraport	82.9	83.1	*89.0	89.8	90.1	88.7	94.6	93.2	90.0	86.9
Intra-territory	5.9	6.9	7.3	6.3	7.2	5.9	5.5	5.9	5.1	6.4

\* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

Figure 1-7  
 DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 TON-MILES BY TYPE OF TRAFFIC  
 (billion short ton-miles)

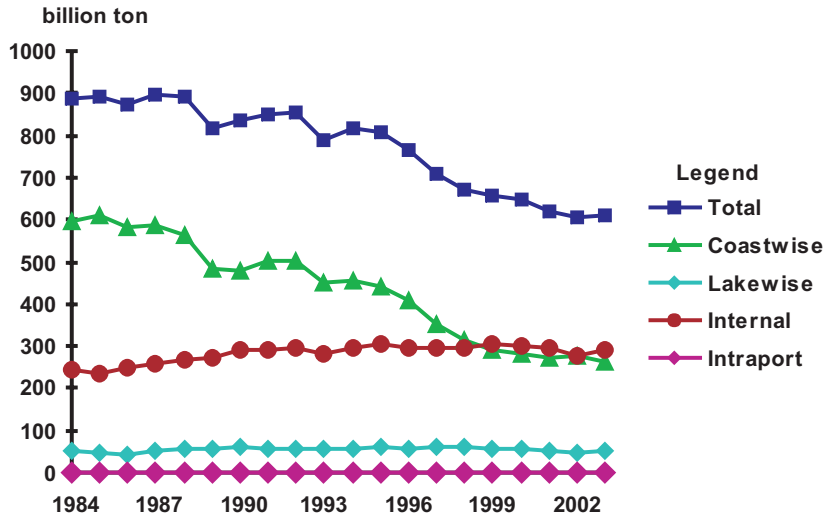


Table 1-9: DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 TON-MILES BY TYPE OF TRAFFIC  
 (billion short ton-miles)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>887.7</b>	<b>893.0</b>	<b>873.4</b>	<b>895.4</b>	<b>890.0</b>	<b>815.5</b>	<b>833.5</b>	<b>848.4</b>	<b>856.7</b>	<b>789.7</b>
Coastwise	593.9	611.0	580.9	586.8	561.6	483.9	479.1	502.1	502.3	448.4
Lakewise	49.8	48.2	43.2	50.1	58.2	58.3	60.9	55.3	55.8	56.4
Internal	242.9	232.7	248.1	257.3	269.0	272.2	292.4	290.0	297.6	283.9
Intraport	1.2	1.1	1.2	1.2	1.2	1.2	1.1	1.0	1.0	0.9

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>814.9</b>	<b>807.7</b>	<b>764.7</b>	<b>707.4</b>	<b>672.8</b>	<b>655.9</b>	<b>645.8</b>	<b>621.7</b>	<b>612.1</b>	<b>606.1</b>
Coastwise	457.6	440.3	408.1	349.8	314.9	292.7	283.9	274.6	263.7	278.9
Lakewise	58.3	59.7	58.3	62.2	61.7	57.0	57.9	50.9	53.7	47.5
Internal	297.8	306.3	296.8	294.0	294.9	304.7	302.6	294.9	293.4	278.4
Intraport	1.3	1.3	1.5	1.4	1.4	1.4	1.5	1.4	1.3	1.3

Figure 1-8  
 DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 AVERAGE HAUL BY TYPE OF TRAFFIC  
 (miles per short ton)

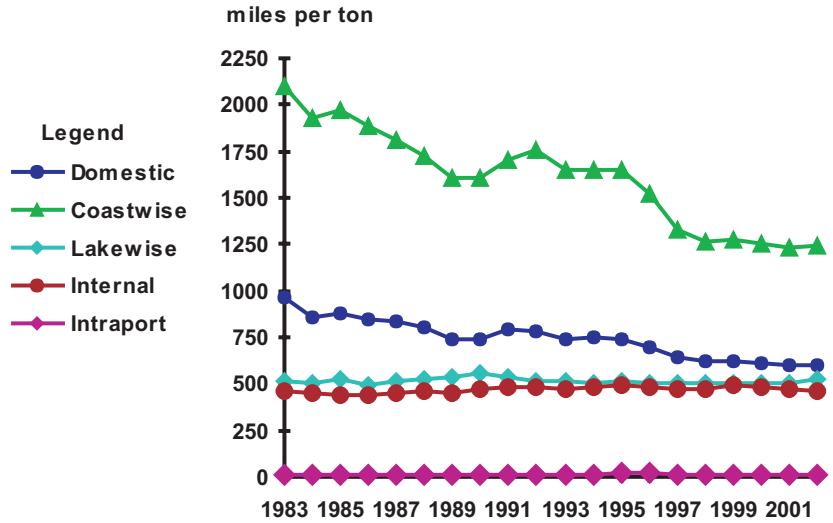


Table 1-10: DOMESTIC WATERBORNE COMMERCE, 1984-2003  
 AVERAGE HAUL BY TYPE OF TRAFFIC  
 (miles per short ton)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Domestic	862.5	883.5	845.3	835.4	804.3	743.2	745.7	789.9	785.7	742.7
Coastwise	1,930.5	1,972.2	1,885.9	1,813.9	1,727.0	1,602.1	1,604.4	1,704.8	1,761.7	1,650.4
Lakewise	508.0	523.8	494.5	519.0	530.3	534.5	553.1	535.0	519.4	514.0
Internal	448.0	435.2	442.7	451.6	457.5	449.1	469.6	483.0	479.3	467.5
Intraport	14.3	14.8	15.5	14.4	14.8	14.9	12.6	12.8	12.4	12.4

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Domestic	745.5	743.6	699.4	639.5	619.0	621.1	606.8	599.7	602.5	600.3
Coastwise	1,651.8	1,651.6	1,526.2	1,329.5	1,261.3	1,279.4	1,250.9	1,227.9	1,218.5	1,248.2
Lakewise	507.6	514.1	507.8	506.5	504.7	500.9	506.1	508.5	528.8	529.5
Internal	481.5	493.8	477.1	466.3	471.8	487.9	481.4	475.7	482.6	456.6
Intraport	15.6	16.2	16.6	15.3	15.3	15.4	15.8	15.2	14.8	15.4

Figure 1-9  
DOMESTIC WATERBORNE COMMERCE, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

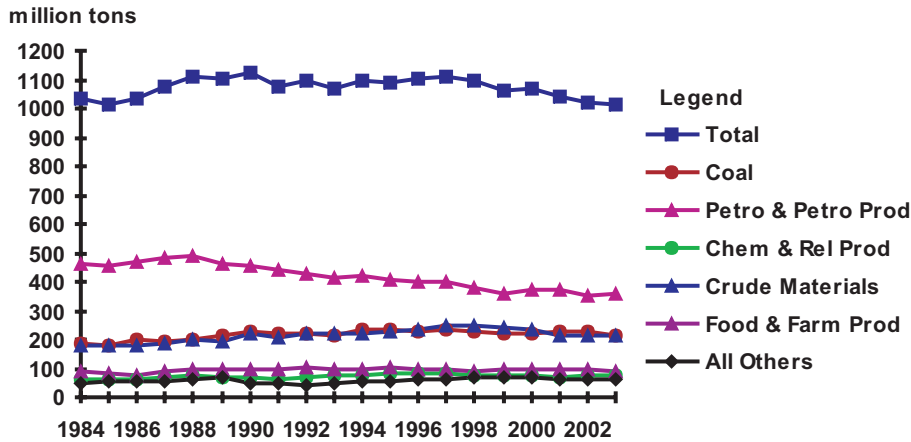


Table 1-11: DOMESTIC WATERBORNE COMMERCE, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>1,032.7</b>	<b>1,014.1</b>	<b>1,037.2</b>	<b>1,076.5</b>	<b>1,111.8</b>	<b>1,102.5</b>	<b>1,122.3</b>	<b>1,078.6</b>	<b>1,094.6</b>	<b>1,068.2</b>
Coal	189.5	179.8	196.7	190.6	196.8	210.9	227.1	219.8	223.5	214.7
Petro & Petro Prod	460.6	453.5	466.8	480.3	487.2	463.5	457.7	440.7	429.4	416.9
Chem & Rel Prod	60.1	59.7	63.7	70.3	73.3	68.6	67.4	65.4	70.1	72.8
Crude Materials	180.5	181.4	179.5	189.2	200.5	196.2	222.4	206.7	223.0	218.6
Primary Manuf Goods	22.9	25.2	24.8	24.3	24.6	24.9	25.5	25.4	25.8	28.5
Food & Farm Prod	91.2	82.1	77.8	90.2	95.3	94.7	98.6	98.2	105.3	98.3
All Manuf Equip	3.1	4.3	3.4	4.4	5.3	5.3	8.1	8.1	10.6	11.6
Other	24.9	28.1	24.5	27.1	28.9	38.4	15.5	14.4	6.9	6.8

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>1,099.0</b>	<b>1,093.0</b>	<b>1,100.7</b>	<b>1,112.5</b>	<b>1,094.1</b>	<b>1,061.8</b>	<b>1,069.8</b>	<b>1,042.5</b>	<b>1,021.0</b>	<b>1016.1</b>
Coal	231.3	223.5	229.9	232.3	229.4	218.9	220.7	227.7	227.0	213.5
Petro & Petro Prod	420.8	403.6	398.5	396.7	382.5	361.5	370.6	369.7	348.7	360.8
Chem & Rel Prod	78.5	79.4	80.2	81.0	77.7	75.3	76.0	71.1	73.1	75.7
Crude Materials	220.9	226.4	233.2	246.5	245.7	239.3	234.2	213.7	214.7	211.6
Primary Manuf Goods	35.7	36.8	37.7	37.2	41.2	45.0	45.8	40.3	42.4	41.7
Food & Farm Prod	93.3	103.4	*98.0	93.7	91.5	100.0	96.9	96.5	97.6	90.9
All Manuf Equip	12.5	14.6	17.2	19.5	20.8	17.8	21.2	19.9	14.6	18.7
Other	5.8	5.5	6.0	5.6	5.3	3.9	4.3	3.5	3.0	3.2

\* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

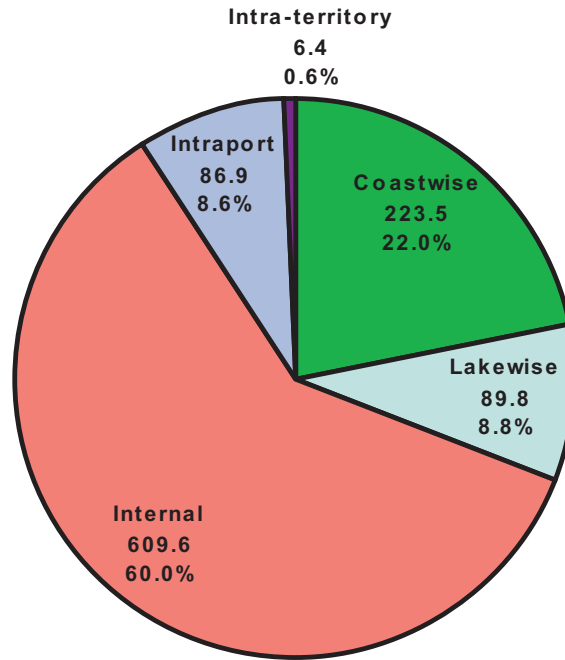


Table 1-12: DOMESTIC COMMERCE, 2002-2003  
 COMPARED BY TYPE OF TRAFFIC  
 BARGE AND SELF-PROPELLED VESSELS  
 (million short tons)

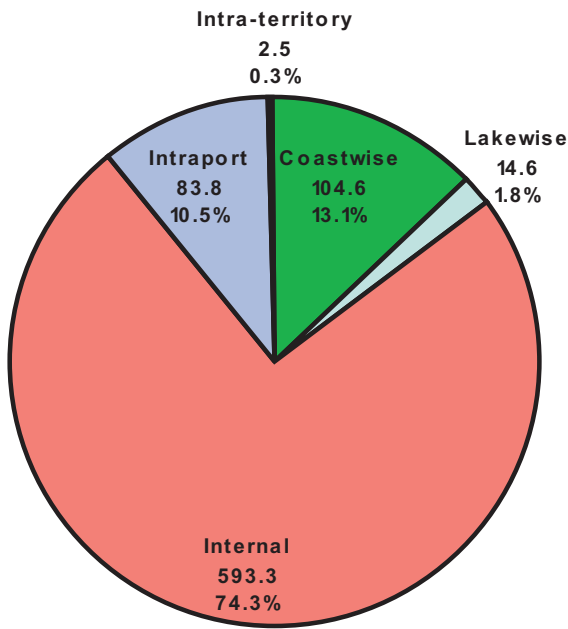
	2002	2003	% Change
<b>Domestic Traffic</b>	<b>1,021.0</b>	<b>1,016.1</b>	<b>-0.5</b>
Coastwise	216.4	223.5	3.3
Lakewise	101.5	89.8	-11.5
Internal	608.0	609.6	0.3
Inraport	90.0	86.9	-3.4
Intra-territory	5.1	6.4	25.5
<b>Barge Traffic</b>	<b>798.9</b>	<b>798.7</b>	<b>-0.0</b>
Coastwise	103.4	104.6	1.2
Lakewise	15.1	14.6	-3.6
Internal	590.7	593.3	0.4
Inraport	88.3	83.8	-5.1
Intra-territory	1.4	2.5	75.6
<b>Self-Propelled Traffic</b>	<b>222.1</b>	<b>217.4</b>	<b>-2.1</b>
Coastwise	113.0	118.8	5.2
Lakewise	86.4	75.2	-12.9
Internal	17.3	16.3	-6.0
Inraport	1.7	3.1	82.7
Intra-territory	3.7	3.9	6.4

Figure 1-10  
 DOMESTIC COMMERCE, 2003  
 COMPARED BY TYPE OF TRAFFIC, BARGE AND SELF-PROPELLED VESSELS  
 (million short tons and percentage of short tons)

**Domestic Traffic**



**Barge Traffic**



**Self-Propelled Traffic**

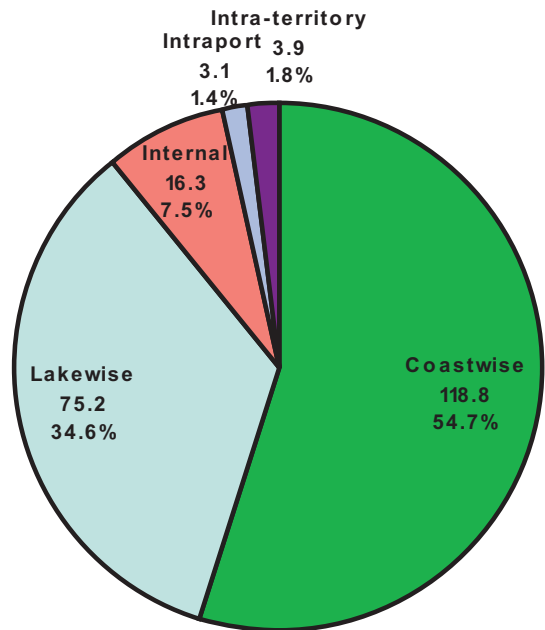


Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2003  
TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE FOREIGN INBOUND AND OUTBOUND TRAFFIC  
(short tons)

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
<b>Total, all commodities</b>	<b>87,904,239</b>	<b>8.7</b>	<b>38,690,728</b>	<b>10.4</b>	<b>113,612,539</b>	<b>11.3</b>	<b>24,653,729</b>	<b>6.6</b>
<b>Total coal</b>	<b>740,680</b>	<b>3.0</b>	<b>20,561,016</b>	<b>48.2</b>	—	—	<b>136,656</b>	<b>0.3</b>
1100 coal lignite	653,731	2.9	20,092,178	48.0	—	—	88,614	0.2
1200 coal coke	86,949	3.3	468,838	61.9	—	—	48,042	6.3
<b>Total petroleum and petroleum products</b>	<b>40,476,288</b>	<b>6.1</b>	<b>4,327,546</b>	<b>7.4</b>	<b>98,192,345</b>	<b>14.8</b>	<b>8,268,063</b>	<b>14.2</b>
<b>Subtotal crude petroleum</b>	<b>23,561,060</b>	<b>4.6</b>	—	—	<b>93,326,640</b>	<b>18.1</b>	—	—
2100 crude petroleum	23,561,060	4.6	—	—	93,326,640	18.1	—	—
<b>Subtotal petroleum products</b>	<b>16,915,228</b>	<b>11.6</b>	<b>4,327,546</b>	<b>7.6</b>	<b>4,865,705</b>	<b>3.3</b>	<b>8,268,063</b>	<b>14.5</b>
2211 gasoline	7,630,473	23.6	203,568	3.1	1,011,634	3.1	4,067,179	61.3
2221 kerosene	274,767	6.6	172,668	22.5	276,572	6.6	—	—
2330 distillate fuel oil	4,084,279	14.0	530,098	7.5	544,582	1.9	879,359	12.5
2340 residual fuel oil	2,157,737	6.9	1,361,237	14.5	682,092	2.2	887,387	9.4
2350 lube oil & greases	229,810	2.2	10,381	0.8	19,976	0.2	5,190	0.4
2410 petro. jelly & waxes	1,141	0.4	5,517	5.2	1,308	0.5	12	0.0
2429 naphtha & solvents	1,844,576	10.6	120,779	5.6	2,223,426	12.8	398,593	18.6
2430 asphalt, tar & pitch	50,654	13.3	105,055	28.8	—	—	11,357	3.1
2540 petroleum coke	637,804	13.8	1,776,896	6.6	106,115	2.3	1,636,613	6.1
2640 liquid natural gas	3,987	0.0	41,347	1.8	—	—	382,373	16.4
2990 petro. products nec	—	—	—	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>2,821,208</b>	<b>6.7</b>	<b>1,660,520</b>	<b>3.1</b>	<b>572,898</b>	<b>1.4</b>	<b>4,849,932</b>	<b>9.1</b>
<b>Subtotal fertilizers</b>	<b>399,848</b>	<b>4.7</b>	<b>132,599</b>	<b>1.0</b>	<b>31,467</b>	<b>0.4</b>	<b>990,599</b>	<b>7.7</b>
3110 nitrogenous fert.	3,279	0.0	28,896	1.7	22,149	0.3	422,917	25.0
3120 phosphatic fert.	—	—	—	—	—	—	—	—
3130 potassic fert.	373,721	30.5	14,140	0.6	—	—	64,933	3.0
3190 fert. & mixes nec	22,848	3.2	89,563	1.1	9,318	1.3	502,749	6.0
<b>Subtotal other chemicals and related products</b>	<b>2,421,360</b>	<b>7.2</b>	<b>1,527,921</b>	<b>3.8</b>	<b>541,431</b>	<b>1.6</b>	<b>3,859,333</b>	<b>9.5</b>
3211 acyclic hydrocarbons	505,272	45.4	—	—	45,375	4.1	26,351	3.2
3212 benzene & toluene	268,680	19.5	8,369	1.5	67,059	4.9	6,956	1.3
3219 other hydrocarbons	154,872	19.4	80,729	1.4	25,159	3.2	1,341,144	23.0
3220 alcohols	143,932	2.3	6,539	0.2	48,202	0.8	254,414	9.3
3230 carboxylic acids	19,238	2.1	16	0.0	120,107	13.3	355,738	13.2
3240 nitrogen func. comp.	173	0.1	8,161	0.4	10,745	3.2	97,940	4.4
3250 organo - inorg. comp.	867	0.4	—	—	75	0.0	2,481	0.6
3260 organic comp. nec	74,029	2.4	289,031	13.8	85,919	2.8	510,660	24.3
3271 sulphur (liquid)	—	—	—	—	—	—	8,033	5.7
3272 sulphuric acid	36,009	6.0	—	—	—	—	—	—
3273 ammonia	252,964	3.8	—	—	—	—	25,751	5.3
3274 sodium hydroxide	91,241	10.4	300,978	8.8	2,609	0.3	367,002	10.7
3275 inorg. elem., oxides, & halogen salts	106,778	4.7	143,287	5.7	11,261	0.5	2,905	0.1
3276 metallic salts	62,012	5.0	388,823	7.5	19,129	1.5	21,257	0.4
3279 inorganic chem. nec	85	0.0	1	0.0	121	0.0	44	0.0
3281 radioactive material	11	0.0	—	—	—	—	83	0.3
3282 pigments & paints	4,035	1.2	43,373	8.9	276	0.1	23,240	4.8
3283 coloring mat. nec	182	0.1	17	0.0	36	0.0	333	0.5
3284 medicines	979	0.5	377	0.1	1,511	0.7	645	0.2
3285 perfumes & cleansers	2,071	0.4	79	0.0	14,055	2.5	6,843	0.8
3286 plastics	12,525	0.5	1,723	0.0	54,154	2.1	291,469	4.9
3291 pesticides	26	0.0	18,765	6.9	122	0.1	3,383	1.2
3292 starches, gluten, glue	4,395	1.0	23	0.0	222	0.1	380	0.1
3293 explosives	300	0.2	—	—	—	—	—	—
3297 chemical additives	56,471	18.1	17	0.0	585	0.2	368,509	42.3
3298 wood & resin chem.	7,329	6.9	—	—	6,654	6.2	5	0.0
3299 chem. products nec	616,884	26.2	237,613	13.0	28,055	1.2	143,767	7.9
<b>Total crude materials, inedible except fuels</b>	<b>36,757,481</b>	<b>36.0</b>	<b>9,222,919</b>	<b>20.8</b>	<b>11,813,875</b>	<b>11.6</b>	<b>459,244</b>	<b>1.0</b>
<b>Subtotal forest products, wood and chips</b>	<b>2,276,228</b>	<b>30.7</b>	<b>524,071</b>	<b>6.5</b>	<b>43,609</b>	<b>0.6</b>	<b>45,215</b>	<b>0.6</b>
4110 rubber & gums	2,029	0.2	1,048	2.1	—	—	1,314	2.7
4150 fuel wood	15,722	25.6	124,872	84.9	27	0.0	93	0.1
4161 wood chips	477,960	85.2	244,347	12.0	—	—	—	—
4170 wood in the rough	1,381,888	82.9	83,125	2.3	693	0.0	491	0.0
4189 lumber	389,130	10.5	69,735	3.3	23,458	0.6	42,174	2.0
4190 forest products nec	9,499	3.3	944	0.9	19,431	6.7	1,143	1.0
<b>Subtotal pulp and waste paper</b>	<b>30,180</b>	<b>1.9</b>	<b>129,163</b>	<b>0.9</b>	<b>19</b>	<b>0.0</b>	<b>170,792</b>	<b>1.2</b>
4225 pulp & waste paper	30,180	1.9	129,163	0.9	19	0.0	170,792	1.2
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>18,716,417</b>	<b>50.0</b>	<b>2,208,080</b>	<b>87.0</b>	<b>9,691,110</b>	<b>25.9</b>	<b>1,052</b>	<b>0.0</b>
4310 building stone	772,667	41.3	27	0.0	995	0.1	813	0.9
4322 limestone	3,385,527	27.1	1,833,061	99.8	6,390,132	51.2	—	—
4323 gypsum	6,536,891	69.2	57,064	66.7	1,918,032	20.3	161	0.2
4327 phosphate rock	—	—	—	—	—	—	—	—
4331 sand & gravel	8,021,332	72.2	317,928	61.3	1,381,951	12.4	78	0.0
<b>Subtotal iron ore and scrap</b>	<b>8,972,674</b>	<b>53.1</b>	<b>4,474,508</b>	<b>40.3</b>	<b>31,103</b>	<b>0.2</b>	<b>217,115</b>	<b>2.0</b>
4410 iron ore	8,786,728	54.9	4,427,720	97.8	26,528	0.2	—	—
4420 iron & steel scrap	185,946	21.4	46,788	0.7	4,575	0.5	217,115	3.3
<b>Subtotal marine shells</b>	<b>91</b>	<b>1.6</b>	—	—	<b>18</b>	<b>0.3</b>	—	—
4515 marine shells	91	1.6	—	—	18	0.3	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>243,998</b>	<b>1.4</b>	<b>1,149,029</b>	<b>47.0</b>	<b>90,479</b>	<b>0.5</b>	<b>15,567</b>	<b>0.6</b>
4630 copper ore	—	—	—	—	—	—	—	—
4650 aluminum ore	152	0.0	1,082,005	80.5	56,384	0.4	7,903	0.6
4670 manganese ore	—	—	16,162	18.7	4,409	0.8	—	—
4680 non-ferrous scrap	59,529	18.7	67	0.0	18	0.0	753	0.2
4690 non-ferrous ores nec	184,317	11.7	50,795	8.7	29,668	1.9	6,911	1.2
<b>Subtotal sulphur, clay and salt</b>	<b>847,566</b>	<b>30.7</b>	<b>165,825</b>	<b>3.5</b>	<b>619,863</b>	<b>22.5</b>	<b>5,004</b>	<b>0.1</b>
4741 sulphur, (dry)	11	0.0	—	—	617,781	66.6	—	—



Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2003 (continued)  
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE FOREIGN INBOUND AND OUTBOUND TRAFFIC  
 (short tons)

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
4782 clay & refrac. mat.	847,555	46.2	165,825	4.7	2,082	0.1	5,004	0.1
<b>Subtotal slag</b>	<b>876,902</b>	<b>47.7</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>18</b>	<b>0.5</b>
4860 slag	876,902	47.7	---	---	---	---	18	0.5
<b>Subtotal other non-metal. min.</b>	<b>4,793,425</b>	<b>27.5</b>	<b>572,243</b>	<b>57.2</b>	<b>1,337,674</b>	<b>7.7</b>	<b>4,481</b>	<b>0.4</b>
4900 non-metal. min. nec	4,793,425	27.5	572,243	57.2	1,337,674	7.7	4,481	0.4
<b>Total primary manufactured goods</b>	<b>6,000,158</b>	<b>7.9</b>	<b>179,101</b>	<b>1.1</b>	<b>1,918,512</b>	<b>2.5</b>	<b>616,275</b>	<b>3.7</b>
<b>Subtotal paper products</b>	<b>909,876</b>	<b>16.2</b>	<b>13,146</b>	<b>0.2</b>	<b>22,652</b>	<b>0.4</b>	<b>65,995</b>	<b>1.1</b>
5110 newsprint	791,440	74.4	1	0.0	---	---	13,147	2.8
5120 paper & paperboard	115,387	3.4	12,503	0.2	16,693	0.5	48,136	1.0
5190 paper products nec	3,049	0.3	642	0.1	5,959	0.5	4,712	1.1
<b>Subtotal lime, cement and glass</b>	<b>4,107,521</b>	<b>13.8</b>	<b>151,420</b>	<b>12.7</b>	<b>29,255</b>	<b>0.1</b>	<b>7,867</b>	<b>0.7</b>
5210 lime	15,834	91.5	---	---	53	0.3	---	---
5220 cement & concrete	3,895,134	17.5	150,465	57.6	4,304	0.0	10	0.0
5240 glass & glass prod.	2,792	0.2	73	0.0	6,366	0.5	5,398	1.3
5290 misc. mineral prod.	193,761	3.1	882	0.2	18,532	0.3	2,459	0.5
<b>Subtotal primary iron and steel products</b>	<b>306,218</b>	<b>1.3</b>	<b>13,681</b>	<b>0.5</b>	<b>1,819,556</b>	<b>7.4</b>	<b>31,832</b>	<b>1.1</b>
5312 pig iron	101,980	2.1	---	---	176	0.0	---	---
5315 ferro alloys	5	0.0	---	---	23,555	2.3	23	0.2
5320 i&s primary forms	112,157	1.9	12,859	1.3	1,462,985	25.2	1,052	0.1
5330 i&s plates & sheets	84,408	2.3	38	0.0	125,540	3.4	7,078	0.5
5360 i&s bars & shapes	4,293	0.1	---	---	79,703	1.4	97	0.1
5370 i&s pipe & tube	2,387	0.1	773	0.2	125,954	4.3	23,286	6.8
5390 primary i&s nec	988	0.1	11	0.0	1,643	0.2	296	0.5
<b>Subtotal primary non-ferrous metal products</b>	<b>619,947</b>	<b>4.6</b>	<b>524</b>	<b>0.0</b>	<b>35,989</b>	<b>0.3</b>	<b>496,540</b>	<b>8.1</b>
5421 copper	3,301	0.5	---	---	9,411	1.3	6	0.0
5422 aluminum	34,718	2.1	11	0.0	7,256	0.4	448	0.3
5429 smelted prod. nec	301,321	21.4	37	0.0	1,839	0.1	489,288	10.8
5480 fab. metal products	280,607	2.9	476	0.0	17,483	0.2	6,798	0.5
<b>Subtotal primary wood products</b>	<b>56,596</b>	<b>1.9</b>	<b>330</b>	<b>0.1</b>	<b>11,060</b>	<b>0.4</b>	<b>14,041</b>	<b>5.0</b>
5540 primary wood prod.	56,596	1.9	330	0.1	11,060	0.4	14,041	5.0
<b>Total food and farm products</b>	<b>709,739</b>	<b>2.2</b>	<b>2,416,431</b>	<b>1.7</b>	<b>554,312</b>	<b>1.7</b>	<b>10,104,601</b>	<b>7.1</b>
<b>Subtotal fish</b>	<b>45,776</b>	<b>2.9</b>	<b>19,465</b>	<b>2.1</b>	<b>10,844</b>	<b>0.7</b>	<b>1,862</b>	<b>0.2</b>
6134 fish (not shellfish)	18,536	2.7	17,385	2.2	7,109	1.0	1,169	0.1
6136 shellfish	27,240	3.0	2,080	1.9	3,735	0.4	693	0.6
<b>Subtotal grain</b>	<b>288,515</b>	<b>18.3</b>	<b>1,582,382</b>	<b>2.1</b>	<b>1,303</b>	<b>0.1</b>	<b>7,378,882</b>	<b>9.7</b>
6241 wheat	165,785	72.1	570,013	2.2	1,272	0.6	1,720,855	6.5
6344 corn	10,987	17.3	1,012,356	2.4	15	0.0	3,502,611	8.5
6442 rice	663	0.1	---	---	16	0.0	482,550	11.9
6443 barley & rye	33	0.0	13	0.0	---	---	---	---
6445 oats	111,047	16.7	---	---	---	---	21	0.6
6447 sorghum grains	---	---	---	---	---	---	1,672,845	44.2
<b>Subtotal oilseeds</b>	<b>6,321</b>	<b>2.3</b>	<b>791,575</b>	<b>2.4</b>	<b>558</b>	<b>0.2</b>	<b>2,183,143</b>	<b>6.5</b>
6521 peanuts	2,053	5.7	---	---	---	---	1,958	2.6
6522 soybeans	2,130	6.5	791,575	2.7	23	0.1	2,087,653	7.1
6534 flaxseed	125	8.3	---	---	---	---	---	---
6590 oilseeds nec	2,013	1.0	---	---	535	0.3	93,532	2.3
<b>Subtotal vegetable products</b>	<b>254,930</b>	<b>7.2</b>	<b>2,924</b>	<b>0.1</b>	<b>13,094</b>	<b>0.4</b>	<b>206,664</b>	<b>5.3</b>
6653 vegetable oils	122,758	9.1	362	0.0	1,587	0.1	148,129	10.2
6654 vegetables & prod.	132,172	6.1	2,562	0.1	11,507	0.5	58,535	2.4
<b>Subtotal processed grain and animal feed</b>	<b>14,661</b>	<b>1.7</b>	<b>21</b>	<b>0.0</b>	<b>7,043</b>	<b>0.8</b>	<b>114,476</b>	<b>0.9</b>
6746 wheat flour	4,748	19.6	---	---	2,249	9.3	434	0.2
6747 grain mill products	1,273	0.3	15	0.0	4,381	1.2	7,400	0.6
6781 hay & fodder	899	1.3	---	---	---	---	6,278	0.2
6782 animal feed, prep.	7,741	2.0	6	0.0	413	0.1	100,364	1.3
<b>Subtotal other agricultural products</b>	<b>99,536</b>	<b>0.4</b>	<b>20,064</b>	<b>0.1</b>	<b>521,470</b>	<b>2.1</b>	<b>219,574</b>	<b>1.4</b>
6811 meat, fresh, frozen	12,217	1.1	238	0.0	1,778	0.2	2,396	0.1
6817 meat, prepared	7,391	5.7	10	0.0	127	0.1	628	0.5
6822 dairy products	9,484	2.3	19	0.0	1,287	0.3	7,275	2.5
6835 fish, prepared	5,499	1.4	480	0.3	3,555	0.9	35	0.0
6838 tallow, animal oils	1,185	8.9	---	---	81	0.6	167,460	15.7
6839 animals & prod. nec	1,465	0.5	64	0.0	132	0.0	350	0.0
6856 bananas & plantains	123	0.0	40	0.2	69	0.0	---	---
6857 fruit & nuts nec	3,621	0.1	3,205	0.2	51,590	1.7	2,415	0.1
6858 fruit juices	6,183	0.3	1,506	0.3	8,937	0.4	3,915	0.9
6861 sugar	120	0.0	---	---	8,494	0.5	93	0.4
6865 molasses	2	0.0	---	---	179,656	11.8	---	---
6871 coffee	425	0.0	---	---	70,620	4.8	188	0.3
6872 cocoa beans	1,502	0.2	---	---	265	0.0	1,943	15.4
6885 alcoholic beverages	22,529	0.5	10,735	1.7	182,082	4.3	2,509	0.4
6888 water & ice	1,273	0.2	29	0.0	62	0.0	359	0.3
6889 food products nec	24,614	1.2	552	0.0	9,805	0.5	22,984	1.0
6891 tobacco & products	463	0.1	---	---	833	0.3	112	0.0
6893 cotton	244	0.5	3,138	0.1	120	0.2	4,599	0.2
6894 natural fibers nec	259	0.7	---	---	1,408	4.0	850	2.6
6899 farm products nec	937	0.6	48	0.0	569	0.4	1,463	0.7
<b>Total all manufactured equipment, machinery and products</b>	<b>298,281</b>	<b>0.5</b>	<b>233,598</b>	<b>1.8</b>	<b>439,706</b>	<b>0.8</b>	<b>200,085</b>	<b>1.6</b>
7110 machinery (not elec)	108,505	1.7	14,052	0.5	9,454	0.1	19,418	0.7
7120 electrical machinery	89,376	1.1	163,391	10.2	9,842	0.1	10,209	0.6
7210 vehicles & parts	8,622	0.1	786	0.0	233,765	2.5	12,331	0.5
7220 aircraft & parts	212	0.7	4	0.0	11	0.0	48	0.1
7230 ships & boats	3,387	4.1	1,473	1.4	4,978	6.1	3,921	3.8
7300 ordnance & access.	645	1.6	---	---	1	0.0	1	0.0
7400 manufac. wood prod.	14,860	1.3	10,037	4.6	5,777	0.5	2,039	0.9
7500 textile products	16,464	0.2	549	0.0	103,321	1.2	102,558	4.4

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2003 (continued)  
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE FOREIGN INBOUND AND OUTBOUND TRAFFIC  
 (short tons)

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
7600 rubber & plastic pr.	7,281	0.1	2,701	0.2	20,657	0.4	5,703	0.4
7900 manufac. prod. nec	48,929	0.3	40,605	2.1	51,900	0.3	43,857	2.2
<b>Total unknown or not elsewhere classified</b>	<b>100,404</b>	<b>1.6</b>	<b>89,597</b>	<b>2.7</b>	<b>120,891</b>	<b>1.9</b>	<b>18,873</b>	<b>0.6</b>
9900 unknown or nec	100,404	1.6	89,597	2.7	120,891	1.9	18,873	0.6

## Section 2 Commodities



Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1994	2,214,754	1997	2,333,142	2000	2,424,589	2003	2,394,252
1995	2,240,393	1998	2,339,500	2001	2,386,558		
1996	2,284,065	1999	2,322,557	2002	2,340,292		

Freight Traffic, 2003 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
<b>Total, all commodities</b>	<b>2,394,252</b>	<b>1,004,791</b>	<b>373,324</b>	<b>1,016,136</b>	<b>223,458</b>	<b>89,776</b>	<b>609,598</b>	<b>86,909</b>	<b>6,395</b>
<b>Total coal</b>	<b>281,156</b>	<b>25,015</b>	<b>42,624</b>	<b>213,517</b>	<b>10,607</b>	<b>17,959</b>	<b>170,701</b>	<b>14,250</b>	<b>—</b>
1100 coal lignite	271,906	22,374	41,866	207,667	10,607	17,698	165,614	13,749	—
1200 coal coke	9,249	2,641	758	5,850	—	262	5,087	502	—
<b>Total petroleum and petroleum products</b>	<b>1,080,548</b>	<b>661,540</b>	<b>58,199</b>	<b>360,809</b>	<b>161,361</b>	<b>1,531</b>	<b>149,459</b>	<b>42,137</b>	<b>6,321</b>
<b>Subtotal crude petroleum</b>	<b>604,486</b>	<b>515,747</b>	<b>1,248</b>	<b>87,491</b>	<b>50,953</b>	<b>—</b>	<b>34,706</b>	<b>1,832</b>	<b>—</b>
2100 crude petroleum	604,486	515,747	1,248	87,491	50,953	—	34,706	1,832	—
<b>Subtotal petroleum products</b>	<b>476,062</b>	<b>145,792</b>	<b>56,951</b>	<b>273,319</b>	<b>110,409</b>	<b>1,531</b>	<b>114,753</b>	<b>40,305</b>	<b>6,321</b>
2211 gasoline	126,448	32,294	6,630	87,524	50,527	333	28,539	5,036	3,089
2221 kerosene	8,783	4,189	767	3,827	1,824	—	996	495	513
2330 distillate fuel oil	101,730	29,115	7,046	65,569	26,003	121	27,926	10,499	1,020
2340 residual fuel oil	116,708	31,330	9,420	75,958	23,317	77	30,757	20,108	1,700
2350 lube oil & greases	17,342	10,653	1,240	5,449	1,444	—	3,561	445	—
2410 petro. jelly & waxes	483	261	107	116	52	—	64	—	—
2429 naphtha & solvents	27,552	17,405	2,146	8,001	1,031	—	5,384	1,586	—
2430 asphalt, tar & pitch	14,060	382	365	13,313	3,669	845	7,830	969	—
2540 petroleum coke	40,194	4,608	26,904	8,682	1,440	97	6,198	946	—
2640 liquid natural gas	19,294	15,556	2,327	1,412	318	38	1,023	31	—
2990 petro. products nec	3,468	0	—	3,468	784	19	2,475	189	—
<b>Total chemicals and related products</b>	<b>171,300</b>	<b>42,007</b>	<b>53,575</b>	<b>75,718</b>	<b>13,014</b>	<b>198</b>	<b>51,495</b>	<b>11,010</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>35,179</b>	<b>8,577</b>	<b>12,878</b>	<b>13,724</b>	<b>1,454</b>	<b>—</b>	<b>12,194</b>	<b>76</b>	<b>—</b>
3110 nitrogenous fert.	15,590	6,609	1,689	7,292	30	—	7,210	52	—
3120 phosphatic fert.	1,503	39	580	884	135	—	747	2	—
3130 potassic fert.	5,084	1,225	2,190	1,669	6	—	1,648	15	—
3190 fert. & mixes nec	13,002	704	8,419	3,879	1,282	—	2,588	8	—
<b>Subtotal other chemicals and related products</b>	<b>136,122</b>	<b>33,430</b>	<b>40,697</b>	<b>61,994</b>	<b>11,561</b>	<b>198</b>	<b>39,301</b>	<b>10,934</b>	<b>—</b>
3211 acyclic hydrocarbons	5,274	1,112	831	3,330	554	—	2,484	293	—
3212 benzene & toluene	10,824	1,378	545	8,901	477	—	6,169	2,255	—
3219 other hydrocarbons	20,417	797	5,821	13,799	1,868	—	9,704	2,227	—
3220 alcohols	17,472	6,236	2,726	8,509	997	—	6,179	1,333	—
3230 carboxylic acids	5,293	904	2,700	1,689	36	—	917	736	—
3240 nitrogen func. comp.	4,044	331	2,201	1,512	1	—	1,497	14	—
3250 organo - inorg. comp.	680	238	398	44	—	—	44	1	—
3260 organic comp. nec	6,503	3,053	2,099	1,351	93	—	1,099	158	—
3271 sulphur (liquid)	4,171	0	141	4,030	3,133	—	509	388	—
3272 sulphuric acid	2,524	601	42	1,881	2	—	1,652	226	—
3273 ammonia	8,982	6,630	482	1,871	—	—	1,829	42	—
3274 sodium hydroxide	10,671	874	3,422	6,374	1,756	—	3,571	1,048	—
3275 inorg. elem., oxides, & halogen salts	6,019	2,288	2,518	1,213	10	—	774	429	—
3276 metallic salts	7,487	1,237	5,195	1,054	52	198	659	145	—
3279 inorganic chem. nec	613	280	138	196	—	—	196	—	—

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2003 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
3281 radioactive material	66	24	26	16	2	—	14	—	—
3282 pigments & paints	842	335	488	19	17	—	2	0	—
3283 coloring mat. nec	301	228	73	—	—	—	—	—	—
3284 medicines	532	206	315	11	9	—	0	2	—
3285 perfumes & cleansers	1,463	570	857	36	28	—	6	2	—
3286 plastics	8,629	2,626	5,971	32	20	—	12	—	—
3291 pesticides	422	144	271	7	1	—	7	—	—
3292 starches, gluten, glue	1,060	438	617	5	0	—	5	—	—
3293 explosives	136	121	9	6	3	—	4	—	—
3297 chemical additives	6,873	311	870	5,691	2,291	—	1,780	1,620	—
3298 wood & resin chem.	227	107	115	5	—	—	4	1	—
3299 chem. products nec	4,596	2,358	1,827	411	212	—	186	12	—
<b>Total crude materials, inedible except fuels*</b>	<b>358,013</b>	<b>102,215</b>	<b>44,235</b>	<b>211,563</b>	<b>13,868</b>	<b>65,793</b>	<b>119,000</b>	<b>12,902</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>23,595</b>	<b>7,415</b>	<b>8,090</b>	<b>8,090</b>	<b>1,989</b>	<b>0</b>	<b>5,451</b>	<b>650</b>	<b>—</b>
4110 rubber & gums	1,173	1,114	49	9	9	—	—	—	—
4150 fuel wood	225	62	147	16	1	—	14	0	—
4161 wood chips	5,473	561	2,033	2,879	493	—	2,380	5	—
4170 wood in the rough	9,328	1,668	3,661	3,999	416	0	2,954	629	—
4189 lumber	6,931	3,720	2,089	1,121	1,065	0	54	2	—
4190 forest products nec	466	291	110	66	4	—	49	13	—
<b>Subtotal pulp and waste paper</b>	<b>16,100</b>	<b>1,581</b>	<b>14,327</b>	<b>191</b>	<b>58</b>	<b>—</b>	<b>110</b>	<b>24</b>	<b>—</b>
4225 pulp & waste paper	16,100	1,581	14,327	191	58	—	110	24	—
<b>Subtotal soil, sand, gravel, rock and stone*</b>	<b>170,821</b>	<b>37,453</b>	<b>2,539</b>	<b>130,829</b>	<b>10,551</b>	<b>25,549</b>	<b>85,372</b>	<b>9,357</b>	<b>—</b>
4310 building stone	2,030	1,870	91	69	0	49	20	—	—
4322 limestone	64,660	12,483	1,838	50,340	1,982	24,332	23,989	37	—
4323 gypsum	13,150	9,451	86	3,614	—	489	3,125	—	—
4327 phosphate rock	5,694	2,547	6	3,141	3,133	—	8	—	—
4331 sand & gravel	85,273	11,103	519	73,651	5,427	679	58,225	9,320	—
4338 soil & fill dirt	15	—	—	15	9	0	6	—	—
<b>Subtotal iron ore and scrap</b>	<b>80,910</b>	<b>16,886</b>	<b>11,107</b>	<b>52,918</b>	<b>400</b>	<b>39,095</b>	<b>11,233</b>	<b>2,190</b>	<b>—</b>
4410 iron ore	66,761	16,016	4,528	46,218	14	39,095	5,679	1,430	—
4420 iron & steel scrap	14,149	870	6,579	6,700	385	—	5,554	760	—
<b>Subtotal marine shells</b>	<b>97</b>	<b>6</b>	<b>2</b>	<b>89</b>	<b>0</b>	<b>—</b>	<b>88</b>	<b>1</b>	<b>—</b>
4515 marine shells	97	6	2	89	0	—	88	1	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>26,181</b>	<b>16,870</b>	<b>2,443</b>	<b>6,869</b>	<b>662</b>	<b>26</b>	<b>6,175</b>	<b>5</b>	<b>—</b>
4630 copper ore	60	0	47	13	1	—	12	—	—
4650 aluminum ore	19,945	14,455	1,344	4,145	646	10	3,489	—	—
4670 manganese ore	1,222	523	86	613	—	—	607	5	—
4680 non-ferrous scrap	704	318	385	2	0	—	1	—	—
4690 non-ferrous ores nec	4,251	1,574	581	2,097	15	16	2,066	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>8,399</b>	<b>2,761</b>	<b>4,724</b>	<b>914</b>	<b>115</b>	<b>38</b>	<b>667</b>	<b>95</b>	<b>—</b>
4741 sulphur, (dry)	2,136	928	1,208	—	—	—	—	—	—
4782 clay & refrac. mat.	6,264	1,833	3,516	914	115	38	667	95	—

\* Does not include 4.4 million short tons of waterway improvement material.

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2003 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
<b>Subtotal slag</b>	<b>3,574</b>	<b>1,838</b>	<b>3</b>	<b>1,733</b>	<b>57</b>	<b>440</b>	<b>885</b>	<b>351</b>	---
4860 slag	3,574	1,838	3	1,733	57	440	885	351	---
<b>Subtotal other non-metal. min.</b>	<b>28,335</b>	<b>17,405</b>	<b>1,000</b>	<b>9,930</b>	<b>36</b>	<b>646</b>	<b>9,019</b>	<b>230</b>	---
4900 non-metal. min. nec	28,335	17,405	1,000	9,930	36	646	9,019	230	---
<b>Total primary manufactured goods</b>	<b>134,660</b>	<b>76,428</b>	<b>16,537</b>	<b>41,695</b>	<b>8,826</b>	<b>3,933</b>	<b>25,909</b>	<b>3,026</b>	---
<b>Subtotal paper products</b>	<b>11,827</b>	<b>5,618</b>	<b>5,955</b>	<b>254</b>	<b>179</b>	---	<b>75</b>	<b>0</b>	---
5110 newsprint	1,554	1,064	469	21	3	---	18	---	---
5120 paper & paperboard	8,435	3,361	5,052	22	12	---	10	---	---
5190 paper products nec	1,838	1,193	434	211	164	---	47	0	---
<b>Subtotal lime, cement and glass</b>	<b>49,118</b>	<b>29,830</b>	<b>1,191</b>	<b>18,097</b>	<b>2,650</b>	<b>3,781</b>	<b>10,901</b>	<b>764</b>	---
5210 lime	2,491	17	3	2,471	6	1	2,464	---	---
5220 cement & concrete	37,669	22,201	261	15,207	2,378	3,780	8,290	758	---
5240 glass & glass prod.	1,737	1,301	420	15	8	---	7	---	---
5290 misc. mineral prod.	7,222	6,311	507	404	258	---	140	6	---
<b>Subtotal primary iron and steel products</b>	<b>41,744</b>	<b>24,458</b>	<b>2,949</b>	<b>14,338</b>	<b>264</b>	<b>151</b>	<b>12,973</b>	<b>950</b>	---
5312 pig iron	10,120	4,757	49	5,314	10	44	4,350	911	---
5315 ferro alloys	2,065	1,031	14	1,021	---	---	1,018	3	---
5320 i&s primary forms	7,372	5,815	1,001	557	---	---	557	---	---
5330 i&s plates & sheets	8,881	3,710	1,371	3,800	4	---	3,783	13	---
5360 i&s bars & shapes	7,132	5,501	112	1,519	71	---	1,442	5	---
5370 i&s pipe & tube	3,977	2,928	345	704	20	---	682	2	---
5390 primary i&s nec	2,197	716	58	1,423	159	107	1,141	16	---
<b>Subtotal primary non-ferrous metal products</b>	<b>28,645</b>	<b>13,599</b>	<b>6,163</b>	<b>8,882</b>	<b>5,647</b>	<b>1</b>	<b>1,922</b>	<b>1,312</b>	---
5421 copper	897	709	172	15	---	---	15	---	---
5422 aluminum	2,154	1,656	145	353	3	---	314	36	---
5429 smelted prod. nec	6,227	1,411	4,516	299	---	---	298	1	---
5480 fab. metal products	19,367	9,823	1,329	8,215	5,644	1	1,295	1,275	---
<b>Subtotal primary wood products</b>	<b>3,326</b>	<b>2,923</b>	<b>278</b>	<b>125</b>	<b>87</b>	---	<b>38</b>	<b>1</b>	---
5540 primary wood prod.	3,326	2,923	278	125	87	---	38	1	---
<b>Total food and farm products**</b>	<b>265,719</b>	<b>32,793</b>	<b>142,003</b>	<b>90,923</b>	<b>6,101</b>	<b>316</b>	<b>84,019</b>	<b>487</b>	---
<b>Subtotal fish**</b>	<b>2,587</b>	<b>1,579</b>	<b>912</b>	<b>96</b>	<b>89</b>	<b>8</b>	---	---	---
6134 fish (not shellfish)	1,579	681	804	95	87	8	---	---	---
6136 shellfish	1,007	898	108	1	1	---	---	---	---
<b>Subtotal grain</b>	<b>130,115</b>	<b>1,579</b>	<b>76,175</b>	<b>52,362</b>	<b>170</b>	<b>285</b>	<b>51,736</b>	<b>171</b>	---
6241 wheat	37,346	230	26,358	10,758	113	285	10,261	99	---
6344 corn	78,184	63	41,447	36,673	6	---	36,607	61	---
6442 rice	7,522	489	4,044	2,989	50	---	2,939	---	---
6443 barley & rye	974	131	538	305	---	---	305	---	---
6445 oats	882	665	3	214	1	---	208	5	---
6447 sorghum grains	5,207	1	3,783	1,423	---	---	1,417	7	---
<b>Subtotal oilseeds</b>	<b>56,947</b>	<b>273</b>	<b>33,402</b>	<b>23,271</b>	---	<b>14</b>	<b>23,223</b>	<b>34</b>	---
6521 peanuts	113	36	77	---	---	---	---	---	---
6522 soybeans	49,682	33	29,270	20,378	---	14	20,337	27	---
6534 flaxseed	37	1	35	---	---	---	---	---	---
6590 oilseeds nec	7,116	203	4,020	2,893	---	---	2,886	6	---
<b>Subtotal vegetable products</b>	<b>8,285</b>	<b>3,521</b>	<b>3,871</b>	<b>893</b>	<b>152</b>	---	<b>725</b>	<b>17</b>	---
6653 vegetable oils	3,472	1,346	1,446	680	26	---	637	17	---

\*\* Does not include fish landings.

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2003 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory
6654 vegetables & prod.	4,813	2,175	2,425	213	126	—	87	—	—
<b>Subtotal processed grain and animal feed</b>	<b>20,273</b>	<b>856</b>	<b>12,189</b>	<b>7,228</b>	<b>842</b>	<b>9</b>	<b>6,192</b>	<b>186</b>	<b>—</b>
6746 wheat flour	317	24	262	31	14	9	8	—	—
6747 grain mill products	2,702	369	1,338	996	720	0	276	—	—
6781 hay & fodder	3,212	68	3,102	42	2	—	40	—	—
6782 animal feed, prep.	14,043	395	7,487	6,160	106	—	5,868	186	—
<b>Subtotal other agricultural products</b>	<b>47,512</b>	<b>24,985</b>	<b>15,454</b>	<b>7,073</b>	<b>4,849</b>	<b>—</b>	<b>2,143</b>	<b>80</b>	<b>—</b>
6811 meat, fresh, frozen	5,038	1,069	3,878	92	92	—	0	—	—
6817 meat, prepared	254	129	124	0	0	—	—	—	—
6822 dairy products	744	411	295	39	32	—	7	—	—
6835 fish, prepared	913	399	188	326	281	—	45	—	—
6838 tallow, animal oils	1,083	13	1,065	5	1	—	1	3	—
6839 animals & prod. nec	1,310	314	958	38	38	—	0	—	—
6856 bananas & plantains	4,640	4,619	17	4	4	—	—	—	—
6857 fruit & nuts nec	5,251	3,049	2,110	92	92	—	—	—	—
6858 fruit juices	2,863	2,265	436	163	163	—	0	—	—
6861 sugar	3,542	1,591	22	1,929	1,159	—	740	30	—
6865 molasses	2,385	1,526	263	596	156	—	401	39	—
6871 coffee	1,551	1,479	64	7	7	—	—	—	—
6872 cocoa beans	699	686	13	—	—	—	—	—	—
6885 alcoholic beverages	5,156	4,251	644	261	206	—	55	—	—
6887 groceries	1,165	—	—	1,165	970	—	195	0	—
6888 water & ice	1,164	512	103	549	1	—	540	8	—
6889 food products nec	6,107	2,108	2,241	1,757	1,603	—	154	0	—
6891 tobacco & products	803	333	469	1	1	—	0	—	—
6893 cotton	2,372	52	2,320	—	—	—	—	—	—
6894 natural fibers nec	68	35	33	—	—	—	—	—	—
6899 farm products nec	406	144	211	50	45	—	5	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>90,026</b>	<b>58,502</b>	<b>12,809</b>	<b>18,714</b>	<b>9,619</b>	<b>18</b>	<b>7,713</b>	<b>1,290</b>	<b>74</b>
7110 machinery (not elec)	15,009	6,477	2,665	5,868	276	0	5,579	6	6
7120 electrical machinery	10,113	8,455	1,606	52	26	—	26	—	—
7210 vehicles & parts	12,948	9,278	2,441	1,228	1,203	—	25	0	—
7220 aircraft & parts	94	29	52	13	0	—	13	0	—
7230 ships & boats	199	82	103	14	6	—	8	—	—
7300 ordnance & access.	71	40	28	3	3	—	0	—	—
7400 manufac. wood prod.	1,982	1,132	220	630	579	—	43	1	7
7500 textile products	10,893	8,515	2,314	64	49	—	15	—	—
7600 rubber & plastic pr.	6,949	5,497	1,403	49	17	—	31	—	—
7900 manufac. prod. nec	31,768	18,998	1,977	10,793	7,458	18	1,973	1,283	61
<b>Total waste and scrap nec</b>	<b>3,108</b>	<b>—</b>	<b>—</b>	<b>3,108</b>	<b>1</b>	<b>—</b>	<b>1,301</b>	<b>1,806</b>	<b>—</b>
8900 waste and scrap nec	3,108	—	—	3,108	1	—	1,301	1,806	—
<b>Total unknown or not elsewhere classified</b>	<b>9,723</b>	<b>6,293</b>	<b>3,342</b>	<b>89</b>	<b>60</b>	<b>26</b>	<b>2</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	9,723	6,293	3,342	89	60	26	2	—	—



Table 2-2: SUMMARY OF DOMESTIC WATERBORNE COMMERCE, TON-MILES  
BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic (million short ton-miles)

Year	Total	Year	Total	Year	Total	Year	Total
1994	814,919	1997	707,410	2000	645,799	<b>2003</b>	<b>606,146</b>
1995	807,728	1998	672,795	2001	621,686		
1996	764,686	1999	655,862	2002	612,081		

Freight Traffic, 2003 (million short ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
<b>Total, all commodities</b>	<b>606,146</b>	<b>278,919</b>	<b>47,539</b>	<b>278,352</b>	<b>1,336</b>
<b>Total coal</b>	<b>69,939</b>	<b>7,204</b>	<b>9,227</b>	<b>53,062</b>	<b>445</b>
1100 coal lignite	66,429	7,204	9,091	49,710	423
1200 coal coke	3,510	—	136	3,352	22
<b>Total petroleum and petroleum products</b>	<b>246,187</b>	<b>208,074</b>	<b>494</b>	<b>37,079</b>	<b>539</b>
<b>Subtotal crude petroleum</b>	<b>94,101</b>	<b>89,890</b>	<b>—</b>	<b>4,189</b>	<b>21</b>
2100 crude petroleum	94,101	89,890	—	4,189	21
<b>Subtotal petroleum products</b>	<b>152,087</b>	<b>118,184</b>	<b>494</b>	<b>32,890</b>	<b>518</b>
2211 gasoline	61,948	54,440	110	7,283	115
2221 kerosene	2,555	2,388	—	161	5
2330 distillate fuel oil	34,520	26,810	33	7,510	168
2340 residual fuel oil	27,271	21,558	22	5,511	179
2350 lube oil & greases	5,092	2,571	—	2,519	2
2410 petro. jelly & waxes	184	132	—	51	—
2429 naphtha & solvents	4,271	2,594	—	1,659	18
2430 asphalt, tar & pitch	6,781	3,141	276	3,348	16
2540 petroleum coke	6,048	2,557	44	3,433	12
2640 liquid natural gas	607	270	1	336	0
2990 petro. products nec	2,811	1,723	9	1,078	1
<b>Total chemicals and related products</b>	<b>55,608</b>	<b>24,069</b>	<b>45</b>	<b>31,362</b>	<b>133</b>
<b>Subtotal fertilizers</b>	<b>12,287</b>	<b>1,461</b>	<b>—</b>	<b>10,824</b>	<b>1</b>
3110 nitrogenous fert.	6,422	57	—	6,364	1
3120 phosphatic fert.	574	111	—	464	0
3130 potassic fert.	1,013	6	—	1,007	0
3190 fert. & mixes nec	4,277	1,287	—	2,990	0
<b>Subtotal other chemicals and related products</b>	<b>43,322</b>	<b>22,608</b>	<b>45</b>	<b>20,537</b>	<b>132</b>
3211 acyclic hydrocarbons	2,158	1,455	—	701	2
3212 benzene & toluene	3,472	1,934	—	1,498	40
3219 other hydrocarbons	10,816	4,048	—	6,739	29
3220 alcohols	5,407	1,665	—	3,726	16
3230 carboxylic acids	672	89	—	578	4
3240 nitrogen func. comp.	862	3	—	859	0
3250 organo - inorg. comp.	8	—	—	8	0
3260 organic comp. nec	1,205	241	—	963	2
3271 sulphur (liquid)	3,280	3,212	—	65	3
3272 sulphuric acid	266	1	—	259	6
3273 ammonia	1,126	—	—	1,126	0
3274 sodium hydroxide	6,048	3,435	—	2,603	11
3275 inorg. elem., oxides, & halogen salts	416	25	—	388	3
3276 metallic salts	486	101	45	339	1
3279 inorganic chem. nec	265	—	—	265	—
3281 radioactive material	18	5	—	12	—
3282 pigments & paints	54	52	—	1	0
3284 medicines	17	17	—	0	0
3285 perfumes & cleansers	92	91	—	0	0
3286 plastics	57	54	—	3	—
3291 pesticides	12	2	—	10	—
3292 starches, gluten, glue	6	0	—	6	—
3293 explosives	7	6	—	1	—
3297 chemical additives	6,071	5,820	—	237	14
3298 wood & resin chem.	5	—	—	5	0
3299 chem. products nec	495	350	—	145	0
<b>Total crude materials, inedible except fuels*</b>	<b>94,804</b>	<b>7,432</b>	<b>36,268</b>	<b>50,960</b>	<b>144</b>
<b>Subtotal forest products, wood and chips</b>	<b>3,114</b>	<b>2,034</b>	<b>0</b>	<b>1,073</b>	<b>7</b>
4110 rubber & gums	17	17	—	—	—
4150 fuel wood	8	4	—	3	0
4161 wood chips	972	174	—	798	0
4170 wood in the rough	463	252	0	204	7
4189 lumber	1,615	1,578	0	37	0
4190 forest products nec	40	9	—	31	0
<b>Subtotal pulp and waste paper</b>	<b>106</b>	<b>85</b>	<b>—</b>	<b>20</b>	<b>1</b>
4225 pulp & waste paper	106	85	—	20	1
<b>Subtotal soil, sand, gravel, rock and stone*</b>	<b>32,442</b>	<b>4,327</b>	<b>7,618</b>	<b>20,390</b>	<b>107</b>
4310 building stone	39	0	19	20	—
4322 limestone	17,580	860	7,288	9,432	0

\* Ton-miles not computed for 4.4 million short tons of waterway improvement material.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2003 - continued

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
4323 gypsum	1,895	—	174	1,721	—
4327 phosphate rock	2,744	2,739	—	5	—
4331 sand & gravel	10,159	705	137	9,209	107
4338 soil & fill dirt	26	23	0	3	—
<b>Subtotal iron ore and scrap</b>	<b>41,005</b>	<b>351</b>	<b>28,264</b>	<b>12,376</b>	<b>14</b>
4410 iron ore	37,051	10	28,264	8,775	1
4420 iron & steel scrap	3,955	342	—	3,600	13
<b>Subtotal marine shells</b>	<b>11</b>	<b>0</b>	<b>—</b>	<b>11</b>	<b>0</b>
4515 marine shells	11	0	—	11	0
<b>Subtotal non-ferrous ores and scrap</b>	<b>6,726</b>	<b>464</b>	<b>17</b>	<b>6,245</b>	<b>0</b>
4630 copper ore	10	1	—	9	—
4650 aluminum ore	4,989	448	6	4,535	—
4670 manganese ore	854	—	—	854	0
4680 non-ferrous scrap	2	1	—	1	—
4690 non-ferrous ores nec	872	14	11	846	—
<b>Subtotal sulphur, clay and salt</b>	<b>462</b>	<b>33</b>	<b>12</b>	<b>416</b>	<b>1</b>
4782 clay & refrac. mat.	462	33	12	416	1
<b>Subtotal slag</b>	<b>984</b>	<b>97</b>	<b>215</b>	<b>661</b>	<b>12</b>
4860 slag	984	97	215	661	12
<b>Subtotal other non-metal. min.</b>	<b>9,952</b>	<b>41</b>	<b>142</b>	<b>9,767</b>	<b>2</b>
4900 non-metal. min. nec	9,952	41	142	9,767	2
<b>Total primary manufactured goods</b>	<b>27,469</b>	<b>4,694</b>	<b>1,221</b>	<b>21,519</b>	<b>36</b>
<b>Subtotal paper products</b>	<b>453</b>	<b>405</b>	<b>—</b>	<b>48</b>	<b>0</b>
5110 newspaper	34	8	—	26	—
5120 paper & paperboard	40	35	—	4	—
5190 paper products nec	379	362	—	17	0
<b>Subtotal lime, cement and glass</b>	<b>8,343</b>	<b>1,842</b>	<b>1,212</b>	<b>5,270</b>	<b>20</b>
5210 lime	1,016	15	0	1,001	—
5220 cement & concrete	6,635	1,181	1,212	4,222	20
5240 glass & glass prod.	29	21	—	8	—
5290 misc. mineral prod.	663	624	—	39	0
<b>Subtotal primary iron and steel products</b>	<b>14,595</b>	<b>387</b>	<b>9</b>	<b>14,192</b>	<b>6</b>
5312 pig iron	4,843	8	7	4,822	6
5315 ferro alloys	1,429	—	—	1,429	0
5320 i&s primary forms	541	—	—	541	—
5330 i&s plates & sheets	3,943	13	—	3,929	0
5360 i&s bars & shapes	1,790	187	—	1,602	0
5370 i&s pipe & tube	668	37	—	631	0
5390 primary i&s nec	1,382	143	2	1,237	0
<b>Subtotal primary non-ferrous metal products</b>	<b>3,828</b>	<b>1,826</b>	<b>0</b>	<b>1,993</b>	<b>9</b>
5421 copper	17	—	—	17	—
5422 aluminum	327	2	—	324	1
5429 smelted prod. nec	312	—	—	312	0
5480 fab. metal products	3,172	1,824	0	1,340	8
<b>Subtotal primary wood products</b>	<b>250</b>	<b>235</b>	<b>—</b>	<b>15</b>	<b>0</b>
5540 primary wood prod.	250	235	—	15	0
<b>Total food and farm products**</b>	<b>94,724</b>	<b>11,094</b>	<b>283</b>	<b>83,340</b>	<b>6</b>
<b>Subtotal fish**</b>	<b>196</b>	<b>196</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	192	192	0	—	—
6136 shellfish	3	3	—	—	—
<b>Subtotal grain</b>	<b>52,988</b>	<b>304</b>	<b>280</b>	<b>52,401</b>	<b>3</b>
6241 wheat	7,061	138	280	6,642	1
6344 corn	42,876	12	—	42,863	1
6442 rice	1,731	153	—	1,578	—
6443 barley & rye	211	—	—	211	—
6445 oats	208	1	—	207	0
6447 sorghum grains	900	—	—	899	0
<b>Subtotal oilseeds</b>	<b>22,891</b>	<b>—</b>	<b>1</b>	<b>22,889</b>	<b>1</b>
6522 soybeans	19,999	—	1	19,997	0
6590 oilseeds nec	2,892	—	—	2,892	0
<b>Subtotal vegetable products</b>	<b>1,062</b>	<b>386</b>	<b>—</b>	<b>676</b>	<b>0</b>
6653 vegetable oils	702	52	—	650	0
6654 vegetables & prod.	359	334	—	25	—
<b>Subtotal processed grain and animal feed</b>	<b>8,144</b>	<b>1,783</b>	<b>2</b>	<b>6,358</b>	<b>2</b>
6746 wheat flour	46	40	2	3	—
6747 grain mill products	1,724	1,428	0	296	—
6781 hay & fodder	11	3	—	7	—
6782 animal feed, prep.	6,364	312	—	6,051	2
<b>Subtotal other agricultural products</b>	<b>9,444</b>	<b>8,426</b>	<b>—</b>	<b>1,017</b>	<b>1</b>
6811 meat, fresh, frozen	250	250	—	0	—
6817 meat, prepared	0	0	—	—	—
6822 dairy products	101	99	—	2	—
6835 fish, prepared	1,545	1,508	—	37	—
6838 tallow, animal oils	2	2	—	1	0
6839 animals & prod. nec	63	63	—	0	—

\*\* Ton-miles not computed for fish landings.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2003 - continued

Commodity		Grand Total	Coastwise	Lakewise	Internal	Intraport
6856	bananas & plantains	11	11	—	—	—
6857	fruit & nuts nec	293	293	—	—	—
6858	fruit juices	256	256	—	0	—
6861	sugar	1,689	1,370	—	318	0
6865	molasses	637	262	—	375	0
6871	coffee	16	16	—	—	—
6885	alcoholic beverages	598	556	—	42	—
6887	groceries	1,597	1,514	—	82	0
6888	water & ice	38	1	—	37	0
6889	food products nec	2,238	2,117	—	121	0
6891	tobacco & products	3	3	—	0	—
6899	farm products nec	106	104	—	2	—
<b>Total all manufactured equipment, machinery and products</b>		<b>16,902</b>	<b>16,104</b>	<b>0</b>	<b>783</b>	<b>14</b>
7110	machinery (not elec)	806	655	0	151	0
7120	electrical machinery	97	80	—	17	—
7210	vehicles & parts	1,503	1,486	—	17	0
7220	aircraft & parts	1	1	—	1	0
7230	ships & boats	14	9	—	5	—
7300	ordnance & access.	6	6	—	0	—
7400	manufac. wood prod.	1,066	1,050	—	16	0
7500	textile products	330	311	—	19	—
7600	rubber & plastic pr.	70	41	—	29	—
7900	manufac. prod. nec	13,009	12,466	0	528	14
<b>Total waste and scrap nec</b>		<b>268</b>	<b>3</b>	<b>—</b>	<b>246</b>	<b>19</b>
8900	waste and scrap nec	268	3	—	246	19
<b>Total unknown or not elsewhere classified</b>		<b>245</b>	<b>244</b>	<b>1</b>	<b>0</b>	<b>—</b>
9900	unknown or nec	245	244	1	0	—
<b>Ton-miles (x1000)</b>		<b>606,146</b>	<b>278,919</b>	<b>47,539</b>	<b>278,352</b>	<b>1,336</b>

Table 2-3: DOMESTIC BARGE TRAFFIC  
BY TYPE OF TRAFFIC AND COMMODITY

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1994	782,014	1997	820,432	2000	811,047	<b>2003</b>	<b>798,740</b>
1995	786,560	1998	816,843	2001	806,346		
1996	802,275	1999	806,837	2002	798,935		

Freight Traffic, 2003 (thousand short tons)

Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
<b>Total, all commodities</b>	<b>798,740</b>	<b>104,629</b>	<b>14,559</b>	<b>593,305</b>	<b>83,782</b>	<b>2,465</b>	<b>78.6</b>	<b>1,016,136</b>
<b>Total coal</b>	<b>194,906</b>	<b>9,487</b>	<b>468</b>	<b>170,701</b>	<b>14,250</b>	<b>---</b>	<b>91.3</b>	<b>213,517</b>
1100 coal lignite	189,305	9,487	456	165,614	13,749	---	91.2	207,667
1200 coal coke	5,601	---	12	5,087	502	---	95.7	5,850
<b>Total petroleum and petroleum products</b>	<b>245,777</b>	<b>58,047</b>	<b>1,432</b>	<b>142,528</b>	<b>41,311</b>	<b>2,458</b>	<b>68.1</b>	<b>360,809</b>
<b>Subtotal crude petroleum</b>	<b>31,395</b>	<b>889</b>	<b>---</b>	<b>28,673</b>	<b>1,832</b>	<b>---</b>	<b>35.9</b>	<b>87,491</b>
2100 crude petroleum	31,395	889	---	28,673	1,832	---	35.9	87,491
<b>Subtotal petroleum products</b>	<b>214,382</b>	<b>57,158</b>	<b>1,432</b>	<b>113,855</b>	<b>39,479</b>	<b>2,458</b>	<b>78.4</b>	<b>273,319</b>
2211 gasoline	54,135	19,957	331	28,413	4,630	805	61.9	87,524
2221 kerosene	1,935	470	---	987	478	---	50.6	3,827
2330 distillate fuel oil	51,211	13,362	112	27,258	10,168	310	78.1	65,569
2340 residual fuel oil	69,996	17,798	77	30,705	20,073	1,343	92.2	75,958
2350 lube oil & greases	4,432	499	---	3,525	409	---	81.3	5,449
2410 petro. jelly & waxes	64	---	---	64	---	---	55.3	116
2429 naphtha & solvents	7,237	269	---	5,384	1,584	---	90.5	8,001
2430 asphalt, tar & pitch	13,223	3,579	845	7,830	969	---	99.3	13,313
2540 petroleum coke	7,722	510	68	6,198	946	---	88.9	8,682
2640 liquid natural gas	1,369	314	---	1,023	31	---	97.0	1,412
2990 petro. products nec	3,058	401	---	2,468	189	---	88.2	3,468
<b>Total chemicals and related products</b>	<b>69,479</b>	<b>6,839</b>	<b>182</b>	<b>51,478</b>	<b>10,979</b>	<b>---</b>	<b>91.8</b>	<b>75,718</b>
<b>Subtotal fertilizers</b>	<b>13,377</b>	<b>1,107</b>	<b>---</b>	<b>12,194</b>	<b>76</b>	<b>---</b>	<b>97.5</b>	<b>13,724</b>
3110 nitrogenous fert.	7,292	30	---	7,210	52	---	100.0	7,292
3120 phosphatic fert.	876	127	---	747	2	---	99.1	884
3130 potassic fert.	1,669	6	---	1,648	15	---	100.0	1,669
3190 fert. & mixes nec	3,540	943	---	2,588	8	---	91.3	3,879
<b>Subtotal other chemicals and related products</b>	<b>56,102</b>	<b>5,733</b>	<b>182</b>	<b>39,284</b>	<b>10,903</b>	<b>---</b>	<b>90.5</b>	<b>61,994</b>
3211 acyclic hydrocarbons	2,794	17	---	2,484	293	---	83.9	3,330
3212 benzene & toluene	8,450	34	---	6,169	2,247	---	94.9	8,901
3219 other hydrocarbons	13,479	1,548	---	9,704	2,227	---	97.7	13,799
3220 alcohols	8,080	582	---	6,179	1,319	---	95.0	8,509
3230 carboxylic acids	1,656	4	---	917	735	---	98.0	1,689
3240 nitrogen func. comp.	1,511	---	---	1,497	14	---	99.9	1,512
3250 organo - inorg. comp.	44	---	---	44	1	---	100.0	44
3260 organic comp. nec	1,260	2	---	1,099	158	---	93.3	1,351
3271 sulphur (liquid)	2,398	1,501	---	509	388	---	59.5	4,030
3272 sulphuric acid	1,881	2	---	1,652	226	---	100.0	1,881
3273 ammonia	1,871	---	---	1,829	42	---	100.0	1,871
3274 sodium hydroxide	5,828	1,210	---	3,571	1,048	---	91.4	6,374
3275 inorg. elem., oxides, & halogen salts	1,206	3	---	774	429	---	99.4	1,213
3276 metallic salts	996	17	182	652	145	---	94.5	1,054
3279 inorganic chem. nec	196	---	---	196	---	---	100.0	196
3281 radioactive material	14	0	---	14	---	---	89.3	16
3282 pigments & paints	4	2	---	2	0	---	19.4	19
3284 medicines	6	4	---	0	2	---	58.2	11
3285 perfumes & cleansers	12	4	---	6	2	---	33.4	36
3286 plastics	24	12	---	12	---	---	75.9	32
3291 pesticides	7	0	---	7	---	---	91.6	7
3292 starches, gluten, glue	5	---	---	5	---	---	99.7	5
3293 explosives	5	2	---	4	---	---	79.3	6
3297 chemical additives	4,005	621	---	1,771	1,612	---	70.4	5,691
3298 wood & resin chem.	5	---	---	4	1	---	100.0	5
3299 chem. products nec	366	168	---	186	12	---	89.0	411
<b>Total crude materials, inedible except fuels</b>	<b>150,854</b>	<b>13,657</b>	<b>10,505</b>	<b>116,050</b>	<b>10,642</b>	<b>---</b>	<b>71.3</b>	<b>211,563</b>
<b>Subtotal forest products, wood and chips</b>	<b>4,757</b>	<b>1,818</b>	<b>---</b>	<b>2,928</b>	<b>11</b>	<b>---</b>	<b>58.8</b>	<b>8,090</b>
4110 rubber & gums	9	9	---	---	---	---	100.0	9
4150 fuel wood	16	1	---	14	0	---	100.0	16
4161 wood chips	2,879	493	---	2,380	5	---	100.0	2,879
4170 wood in the rough	877	416	---	457	4	---	21.9	3,999
4189 lumber	951	896	---	54	1	---	84.8	1,121

Table 2-3: DOMESTIC BARGE TRAFFIC  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2003 - continued

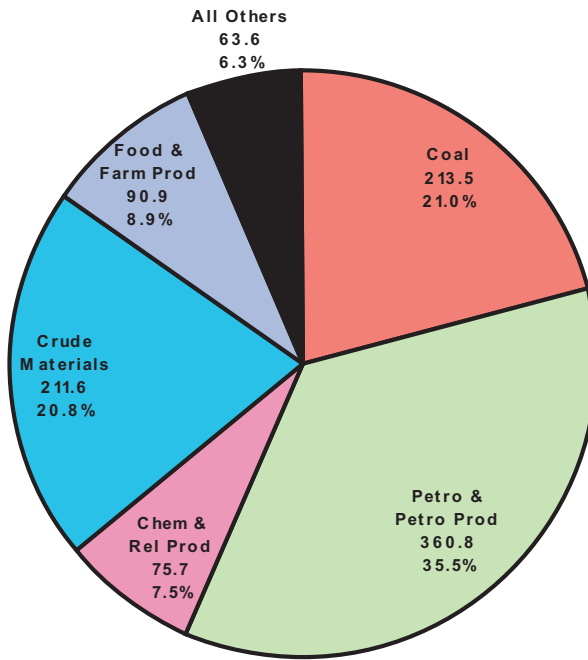
Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
4190 forest products nec	25	2	—	23	—	—	37.8	66
<b>Subtotal pulp and waste paper</b>	<b>190</b>	<b>56</b>	<b>—</b>	<b>110</b>	<b>24</b>	<b>—</b>	<b>99.2</b>	<b>191</b>
4225 pulp & waste paper	190	56	—	110	24	—	99.2	191
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>110,979</b>	<b>10,540</b>	<b>5,795</b>	<b>85,322</b>	<b>9,323</b>	<b>—</b>	<b>84.8</b>	<b>130,829</b>
4310 building stone	69	—	49	20	—	—	99.9	69
4322 limestone	31,480	1,982	5,506	23,989	3	—	62.5	50,340
4323 gypsum	3,126	—	1	3,125	—	—	86.5	3,614
4327 phosphate rock	3,141	3,133	—	8	—	—	100.0	3,141
4331 sand & gravel	73,154	5,421	238	58,175	9,320	—	99.3	73,651
4338 soil & fill dirt	9	3	0	6	—	—	60.9	15
<b>Subtotal iron ore and scrap</b>	<b>16,863</b>	<b>387</b>	<b>4,483</b>	<b>11,232</b>	<b>762</b>	<b>—</b>	<b>31.9</b>	<b>52,918</b>
4410 iron ore	10,177	14	4,483	5,679	1	—	22.0	46,218
4420 iron & steel scrap	6,686	372	—	5,554	760	—	99.8	6,700
<b>Subtotal marine shells</b>	<b>89</b>	<b>0</b>	<b>—</b>	<b>88</b>	<b>1</b>	<b>—</b>	<b>100.0</b>	<b>89</b>
4515 marine shells	89	0	—	88	1	—	100.0	89
<b>Subtotal non-ferrous ores and scrap</b>	<b>6,843</b>	<b>662</b>	<b>—</b>	<b>6,175</b>	<b>5</b>	<b>—</b>	<b>99.6</b>	<b>6,869</b>
4630 copper ore	13	1	—	12	—	—	100.0	13
4650 aluminum ore	4,135	646	—	3,489	—	—	99.8	4,145
4670 manganese ore	613	—	—	607	5	—	100.0	613
4680 non-ferrous scrap	1	—	—	1	—	—	93.3	2
4690 non-ferrous ores nec	2,081	15	—	2,066	—	—	99.2	2,097
<b>Subtotal sulphur, clay and salt</b>	<b>635</b>	<b>112</b>	<b>—</b>	<b>428</b>	<b>94</b>	<b>—</b>	<b>69.4</b>	<b>914</b>
4782 clay & refrac. mat.	635	112	—	428	94	—	69.4	914
<b>Subtotal slag</b>	<b>1,421</b>	<b>57</b>	<b>128</b>	<b>885</b>	<b>351</b>	<b>—</b>	<b>82.0</b>	<b>1,733</b>
4860 slag	1,421	57	128	885	351	—	82.0	1,733
<b>Subtotal other non-metal. min.</b>	<b>9,078</b>	<b>25</b>	<b>100</b>	<b>8,882</b>	<b>71</b>	<b>—</b>	<b>91.4</b>	<b>9,930</b>
4900 non-metal. min. nec	9,078	25	100	8,882	71	—	91.4	9,930
<b>Total primary manufactured goods</b>	<b>39,107</b>	<b>8,378</b>	<b>1,956</b>	<b>25,748</b>	<b>3,025</b>	<b>—</b>	<b>93.8</b>	<b>41,695</b>
<b>Subtotal paper products</b>	<b>131</b>	<b>76</b>	<b>—</b>	<b>55</b>	<b>—</b>	<b>—</b>	<b>51.7</b>	<b>254</b>
5110 newsprint	19	1	—	18	—	—	89.7	21
5120 paper & paperboard	12	2	—	10	—	—	55.3	22
5190 paper products nec	100	73	—	28	—	—	47.5	211
<b>Subtotal lime, cement and glass</b>	<b>15,855</b>	<b>2,464</b>	<b>1,803</b>	<b>10,824</b>	<b>763</b>	<b>—</b>	<b>87.6</b>	<b>18,097</b>
5210 lime	2,470	6	—	2,464	—	—	100.0	2,471
5220 cement & concrete	13,123	2,348	1,803	8,213	758	—	86.3	15,207
5240 glass & glass prod.	14	6	—	7	—	—	90.9	15
5290 misc. mineral prod.	248	104	—	140	5	—	61.5	404
<b>Subtotal primary iron and steel products</b>	<b>14,298</b>	<b>260</b>	<b>151</b>	<b>12,938</b>	<b>949</b>	<b>—</b>	<b>99.7</b>	<b>14,338</b>
5312 pig iron	5,314	10	44	4,350	911	—	100.0	5,314
5315 ferro alloys	1,021	—	—	1,018	3	—	100.0	1,021
5320 i&s primary forms	557	—	—	557	—	—	100.0	557
5330 i&s plates & sheets	3,800	4	—	3,783	13	—	100.0	3,800
5360 i&s bars & shapes	1,518	71	—	1,442	5	—	100.0	1,519
5370 i&s pipe & tube	664	16	—	647	1	—	94.4	704
5390 primary i&s nec	1,423	159	107	1,141	16	—	100.0	1,423
<b>Subtotal primary non-ferrous metal products</b>	<b>8,701</b>	<b>5,495</b>	<b>1</b>	<b>1,894</b>	<b>1,311</b>	<b>—</b>	<b>98.0</b>	<b>8,882</b>
5421 copper	15	—	—	15	—	—	100.0	15
5422 aluminum	353	3	—	314	36	—	100.0	353
5429 smelted prod. nec	299	—	—	297	1	—	99.8	299
5480 fab. metal products	8,034	5,492	1	1,267	1,274	—	97.8	8,215
<b>Subtotal primary wood products</b>	<b>122</b>	<b>84</b>	<b>—</b>	<b>38</b>	<b>1</b>	<b>—</b>	<b>97.6</b>	<b>125</b>
5540 primary wood prod.	122	84	—	38	1	—	97.6	125
<b>Total food and farm products</b>	<b>87,954</b>	<b>3,955</b>	<b>15</b>	<b>83,498</b>	<b>486</b>	<b>—</b>	<b>96.7</b>	<b>90,923</b>
<b>Subtotal fish</b>	<b>28</b>	<b>28</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>29.5</b>	<b>96</b>
6134 fish (not shellfish)	27	27	—	—	—	—	28.6	95
6136 shellfish	1	1	—	—	—	—	87.8	1
<b>Subtotal grain</b>	<b>52,035</b>	<b>127</b>	<b>1</b>	<b>51,736</b>	<b>171</b>	<b>—</b>	<b>99.4</b>	<b>52,362</b>
6241 wheat	10,474	113	1	10,261	99	—	97.4	10,758
6344 corn	36,672	4	—	36,607	61	—	100.0	36,673
6442 rice	2,947	8	—	2,939	—	—	98.6	2,989
6443 barley & rye	305	—	—	305	—	—	100.0	305
6445 oats	214	1	—	208	5	—	100.0	214
6447 sorghum grains	1,423	—	—	1,417	7	—	100.0	1,423
<b>Subtotal oilseeds</b>	<b>23,271</b>	<b>—</b>	<b>14</b>	<b>23,223</b>	<b>34</b>	<b>—</b>	<b>100.0</b>	<b>23,271</b>
6522 soybeans	20,378	—	14	20,337	27	—	100.0	20,378
6590 oilseeds nec	2,893	—	—	2,886	6	—	100.0	2,893
<b>Subtotal vegetable products</b>	<b>794</b>	<b>53</b>	<b>—</b>	<b>725</b>	<b>17</b>	<b>—</b>	<b>88.9</b>	<b>893</b>
6653 vegetable oils	680	26	—	637	17	—	100.0	680
6654 vegetables & prod.	115	27	—	87	—	—	53.7	213
<b>Subtotal processed grain and animal feed</b>	<b>7,124</b>	<b>747</b>	<b>—</b>	<b>6,192</b>	<b>186</b>	<b>—</b>	<b>98.6</b>	<b>7,228</b>
6746 wheat flour	10	2	—	8	—	—	31.7	31
6747 grain mill products	989	713	—	276	—	—	99.3	996
6781 hay & fodder	41	1	—	40	—	—	97.8	42
6782 animal feed, prep.	6,085	31	—	5,868	186	—	98.8	6,160

Table 2-3: DOMESTIC BARGE TRAFFIC  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2003 - continued

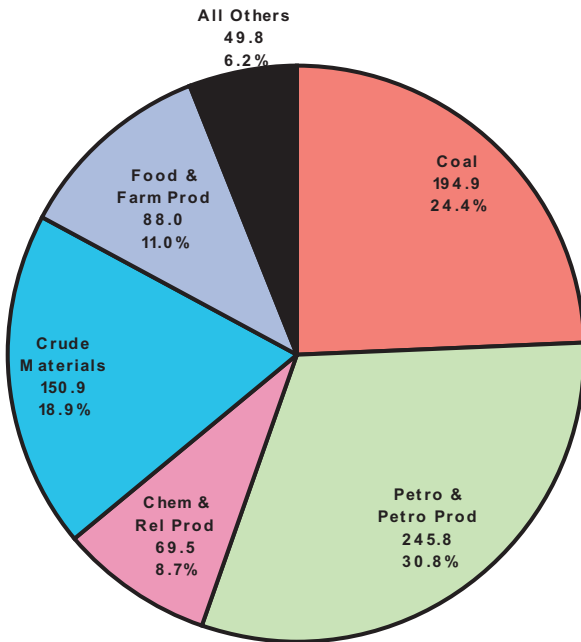
Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
<b>Subtotal other agricultural products</b>	<b>4,702</b>	<b>3,000</b>	---	<b>1,622</b>	<b>80</b>	---	<b>66.5</b>	<b>7,073</b>
6811 meat, fresh, frozen	15	15	---	---	---	---	15.9	92
6822 dairy products	7	0	---	7	---	---	18.0	39
6835 fish, prepared	61	16	---	44	---	---	18.6	326
6838 tallow, animal oils	4	1	---	1	3	---	99.6	5
6839 animals & prod. nec	19	19	---	0	---	---	50.7	38
6857 fruit & nuts nec	0	0	---	---	---	---	0.0	92
6858 fruit juices	86	86	---	---	---	---	53.1	163
6861 sugar	1,889	1,119	---	740	30	---	97.9	1,929
6865 molasses	524	84	---	401	39	---	88.0	596
6871 coffee	2	2	---	---	---	---	27.2	7
6885 alcoholic beverages	105	50	---	55	---	---	40.1	261
6887 groceries	790	596	---	193	0	---	67.8	1,165
6888 water & ice	29	1	---	21	8	---	5.3	549
6889 food products nec	1,152	998	---	154	0	---	65.6	1,757
6891 tobacco & products	0	0	---	0	---	---	9.5	1
6899 farm products nec	19	14	---	5	---	---	37.6	50
<b>Total all manufactured equipment, machinery and products</b>	<b>7,814</b>	<b>4,263</b>	<b>1</b>	<b>2,260</b>	<b>1,283</b>	<b>7</b>	<b>41.8</b>	<b>18,714</b>
7110 machinery (not elec)	221	72	---	147	3	---	3.8	5,868
7120 electrical machinery	34	8	---	26	---	---	65.0	52
7210 vehicles & parts	822	798	---	24	0	---	66.9	1,228
7220 aircraft & parts	13	0	---	13	0	---	99.1	13
7230 ships & boats	11	4	---	7	---	---	82.8	14
7300 ordnance & access.	1	1	---	0	---	---	41.2	3
7400 manufac. wood prod.	374	332	---	35	0	7	59.3	630
7500 textile products	18	3	---	15	---	---	27.8	64
7600 rubber & plastic pr.	39	8	---	31	---	---	80.9	49
7900 manufac. prod. nec	6,280	3,037	1	1,963	1,280	---	58.2	10,793
<b>Total waste and scrap nec</b>	<b>2,849</b>	<b>1</b>	---	<b>1,042</b>	<b>1,806</b>	---	<b>91.7</b>	<b>3,108</b>
8900 waste and scrap nec	2,849	1	---	1,042	1,806	---	91.7	3,108
<b>Total unknown or not elsewhere classified</b>	<b>1</b>	<b>1</b>	---	<b>0</b>	---	---	<b>1.2</b>	<b>89</b>
9900 unknown or nec	1	1	---	0	---	---	1.2	89

Figure 2-1  
 DOMESTIC COMMERCE, 2003  
 COMPARED BY MAJOR COMMODITY GROUPS  
 BARGE AND SELF-PROPELLED VESSEL TRAFFIC  
 (million short tons and percentage of short tons)

**Domestic Traffic**



**Barge Traffic**



**Self-Propelled Traffic**

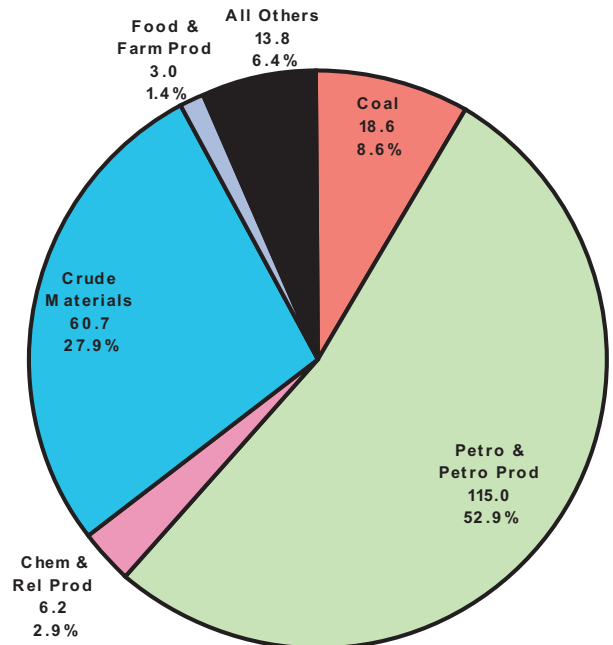
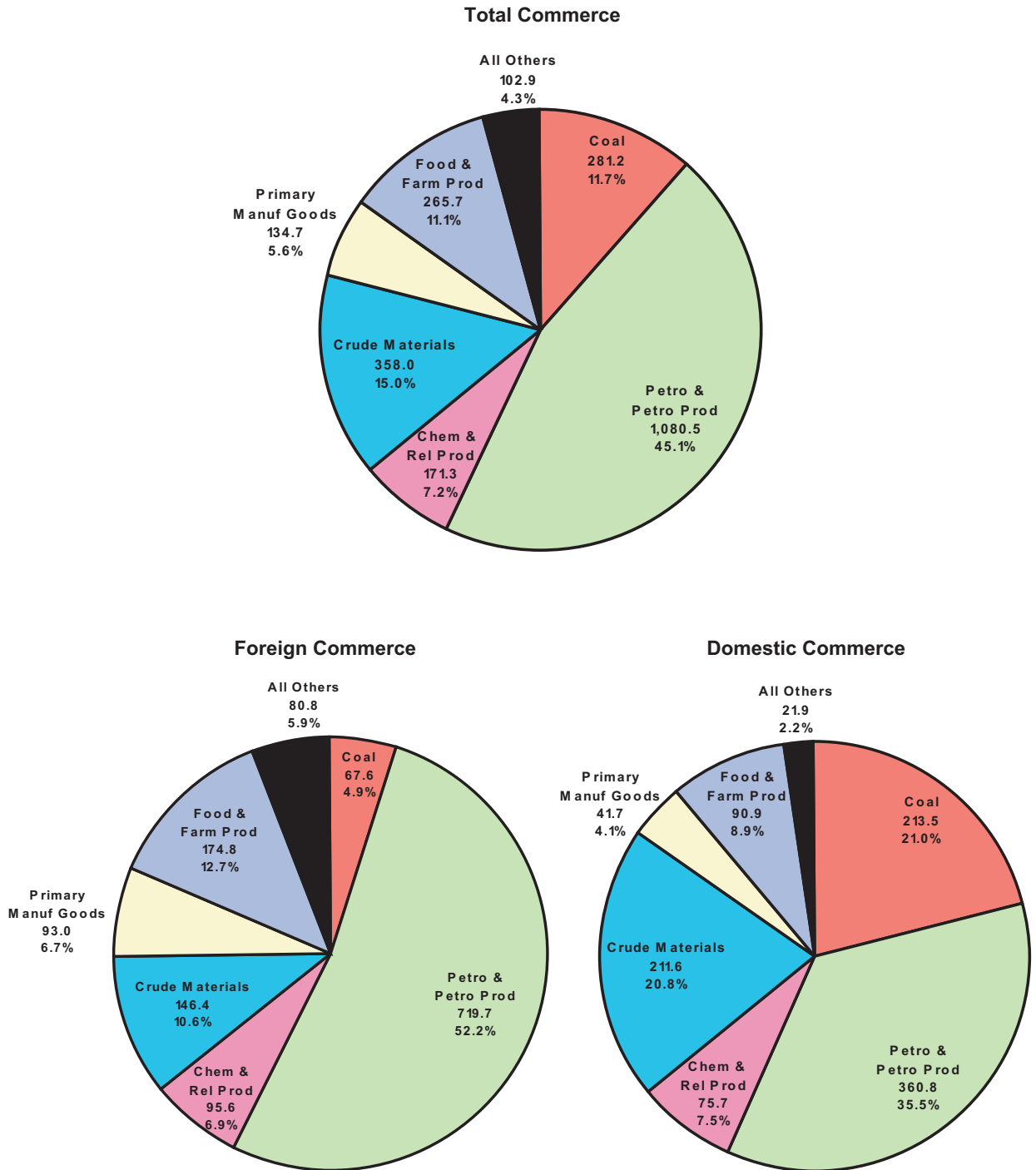


Table 2-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
(million short tons)

	2002	2003	%Change
<b>Total Commerce</b>	<b>2,340.3</b>	<b>2,394.3</b>	<b>2.3</b>
Coal	286.9	281.2	-2.0
Petro & Petro Prod	1,017.9	1,080.5	6.2
Chem & Rel Prod	167.6	171.3	2.2
Crude Materials	352.0	358.0	1.7
Primary Manuf Goods	140.8	134.7	-4.4
Food and Farm Prod	280.0	265.7	-5.1
All Manuf Equip	81.9	90.0	10.0
Other	13.2	12.8	-2.7
<b>Foreign Commerce</b>	<b>1,319.3</b>	<b>1,378.1</b>	<b>4.5</b>
Coal	59.9	67.6	12.9
Petro & Petro Prod	669.2	719.7	7.5
Chem & Rel Prod	94.5	95.6	1.1
Crude Materials	137.2	146.4	6.7
Primary Manuf Goods	98.4	93.0	-5.5
Food and Farm Prod	182.5	174.8	-4.2
All Manuf Equip	67.3	71.3	6.0
Other	10.2	9.6	-5.8
<b>Domestic Commerce</b>	<b>1,021.0</b>	<b>1,016.1</b>	<b>-0.5</b>
Coal	227.0	213.5	-5.9
Petro & Petro Prod	348.7	360.8	3.5
Chem & Rel Prod	73.1	75.7	3.6
Crude Materials	214.7	211.6	-1.5
Primary Manuf Goods	42.4	41.7	-1.7
Food and Farm Prod	97.6	90.9	-6.8
All Manuf Equip	14.6	18.7	28.4
Other	3.0	3.2	8.3



Figure 2-2  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003  
 (million short tons and percentage of short tons)





## Section 3 Waterways



Figure 3-1  
MISSISSIPPI RIVER SYSTEM, 1984-2003  
BY TYPE OF TRAFFIC  
(million short tons)

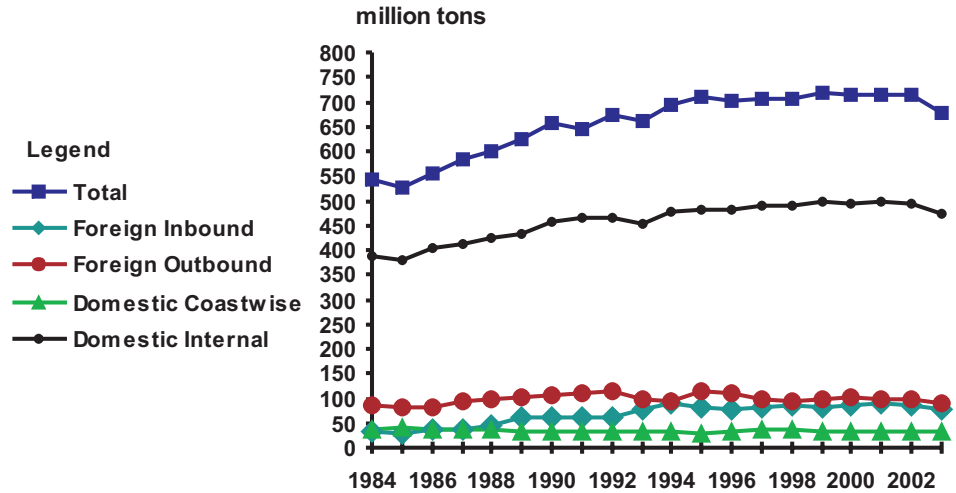


Table 3-1: MISSISSIPPI RIVER SYSTEM, 1984-2003  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>543.5</b>	<b>527.8</b>	<b>556.4</b>	<b>583.4</b>	<b>601.6</b>	<b>626.4</b>	<b>659.1</b>	<b>646.6</b>	<b>673.1</b>	<b>660.4</b>
Foreign										
Inbound	34.1	27.0	35.1	38.1	45.3	59.9	63.1	60.1	63.0	76.9
Outbound	85.9	81.0	81.1	93.7	97.5	104.0	106.0	109.9	112.3	100.0
Domestic										
Coastwise	36.7	40.9	37.4	37.4	35.8	31.1	32.6	31.3	32.3	31.8
Internal	386.6	378.9	402.8	414.2	423.0	431.5	457.5	445.1	465.4	451.7
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>693.3</b>	<b>707.2</b>	<b>701.8</b>	<b>707.1</b>	<b>707.4</b>	<b>716.9</b>	<b>715.5</b>	<b>714.8</b>	<b>712.8</b>	<b>676.8</b>
Foreign										
Inbound	89.8	81.5	77.3	83.5	85.2	83.5	87.7	87.8	86.3	78.4
Outbound	92.4	115.8	108.7	98.5	94.7	99.2	100.5	99.8	99.2	91.3
Domestic										
Coastwise	32.4	30.6	33.0	36.3	36.7	34.6	34.1	30.9	33.0	31.8
Internal	478.7	479.4	482.8	488.9	490.7	499.6	493.1	496.3	494.3	475.2

\* Foreign Inbound includes Upbound Thru Traffic. Foreign Outbound includes Downbound Thru Traffic.

Figure 3-2  
MISSISSIPPI RIVER SYSTEM, 1984-2003  
ALL TRAFFIC BY COMMODITY GROUP  
(million short tons)

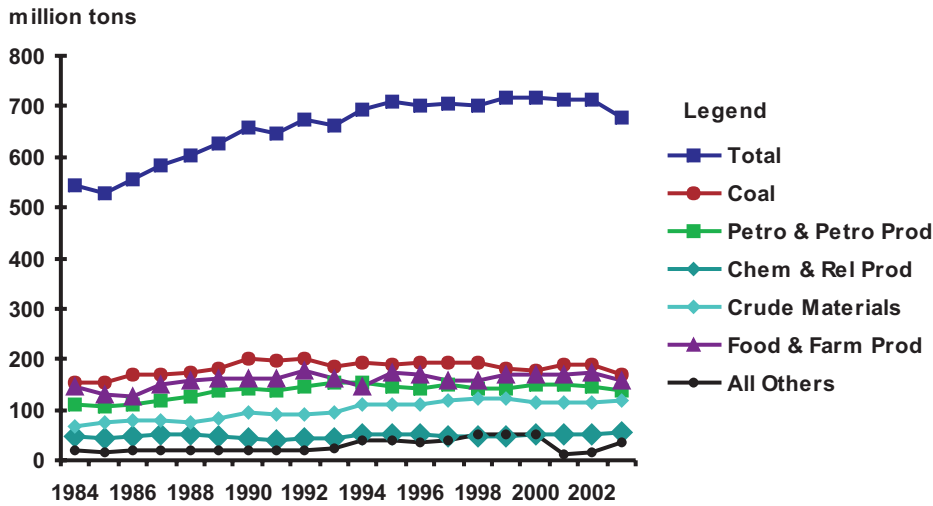


Table 3-2: MISSISSIPPI RIVER SYSTEM, 1984-2003  
ALL TRAFFIC BY COMMODITY GROUP  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>543.5</b>	<b>527.8</b>	<b>556.4</b>	<b>583.4</b>	<b>601.6</b>	<b>626.4</b>	<b>659.1</b>	<b>646.6</b>	<b>673.1</b>	<b>660.4</b>
Coal	153.0	152.0	171.1	167.9	173.8	180.3	200.8	197.5	199.7	186.1
Petro & Petro Prod	110.5	107.6	112.1	116.9	124.4	138.2	140.9	137.9	144.6	153.0
Chem & Rel Prod	45.7	44.4	48.6	50.6	50.8	45.8	41.8	40.0	42.0	43.5
Crude Materials	68.2	75.6	80.0	79.5	78.6	82.6	92.8	89.0	91.1	95.4
Primary Manuf Goods	18.6	16.5	17.5	17.1	18.3	18.1	18.3	19.4	18.9	21.6
Food & Farm Prod	146.5	130.6	125.8	150.4	156.4	160.1	163.4	161.9	175.7	159.6
All Manuf Equip	0.6	0.7	0.8	0.6	0.8	1.1	1.0	0.8	0.9	1.1
Other	0.4	0.4	0.3	0.4	0.4	0.4	0.1	0.1	0.2	0.2

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>693.3</b>	<b>707.2</b>	<b>701.8</b>	<b>707.1</b>	<b>707.4</b>	<b>716.9</b>	<b>715.5</b>	<b>714.8</b>	<b>712.8</b>	<b>676.8</b>
Coal	194.2	188.1	192.3	194.2	191.5	182.4	177.2	188.4	187.9	170.3
Petro & Petro Prod	153.6	146.2	143.0	150.3	141.6	143.0	150.0	150.6	146.3	138.7
Chem & Rel Prod	50.3	51.4	49.9	48.9	47.4	46.6	50.3	49.9	50.4	54.5
Crude Materials	109.7	108.3	111.0	116.6	120.5	121.9	115.8	115.7	113.0	120.0
Primary Manuf Goods	36.5	37.3	34.6	36.7	46.5	49.8	50.4	37.0	39.0	34.2
Food & Farm Prod	147.7	174.5	168.3	157.6	157.0	171.2	169.0	171.1	174.4	157.2
All Manuf Equip	1.1	1.2	2.5	2.5	2.6	1.8	2.1	1.8	1.5	1.5
Other	0.2	0.3	0.3	0.3	0.3	0.2	0.7	0.1	0.2	0.4

Figure 3-3  
MISSISSIPPI RIVER SYSTEM, 1984-2003  
INTERNAL TRAFFIC BY COMMODITY GROUP  
(million short tons)

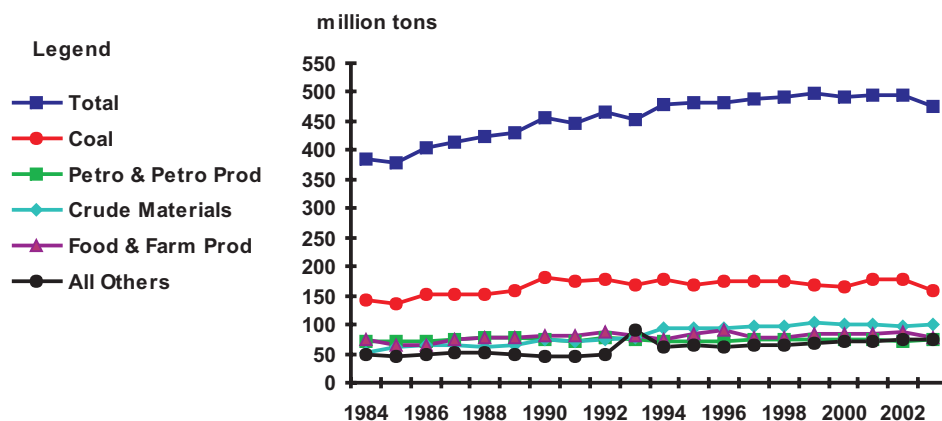


Table 3-3: MISSISSIPPI RIVER SYSTEM, 1984-2003  
INTERNAL TRAFFIC BY COMMODITY GROUP  
(million short tons)  
INTERNAL TRAFFIC BY COMMODITY GROUP

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>386.6</b>	<b>378.9</b>	<b>402.8</b>	<b>414.2</b>	<b>423.0</b>	<b>431.5</b>	<b>457.5</b>	<b>445.1</b>	<b>465.4</b>	<b>451.7</b>
Coal	141.3	135.8	153.6	151.1	153.3	159.4	180.1	174.3	178.4	167.8
Petro & Petro Prod	70.0	70.1	72.7	73.8	78.2	79.0	74.1	72.0	76.7	73.7
Chem & Rel Prod	34.3	33.4	35.7	36.7	37.7	34.6	31.1	30.7	33.2	34.4
Crude Materials	52.9	60.7	63.7	65.0	62.3	65.7	75.2	72.5	74.2	79.1
Primary Manuf Goods	13.7	12.4	13.0	13.1	13.6	13.9	14.3	14.8	14.5	15.5
Food & Farm Prod	73.7	65.9	63.2	73.9	77.1	77.9	82.0	80.3	87.7	80.4
All Manuf Equip	0.4	0.3	0.5	0.3	0.5	0.7	0.6	0.5	0.5	0.7
Other	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.1

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>478.7</b>	<b>479.4</b>	<b>482.8</b>	<b>488.9</b>	<b>490.7</b>	<b>499.6</b>	<b>493.1</b>	<b>496.3</b>	<b>494.3</b>	<b>475.2</b>
Coal	176.7	169.4	173.3	174.9	174.8	169.3	166.0	177.1	177.6	159.3
Petro & Petro Prod	72.6	71.7	71.9	74.0	74.8	73.2	73.1	75.3	72.5	72.9
Chem & Rel Prod	38.7	39.0	37.8	38.1	36.7	36.2	36.1	34.4	35.5	37.7
Crude Materials	92.4	90.5	93.4	98.2	98.4	102.8	100.2	99.0	95.8	101.2
Primary Manuf Goods	22.9	23.8	22.3	23.4	27.2	30.7	32.5	25.5	25.9	24.7
Food & Farm Prod	74.5	84.1	81.7	77.9	76.5	85.7	83.0	83.5	86.1	78.5
All Manuf Equip	0.7	0.8	2.1	2.2	2.2	1.5	1.5	1.2	0.8	0.8
Other	0.2	0.2	0.2	0.2	0.2	0.1	0.6	0.3	0.1	0.2

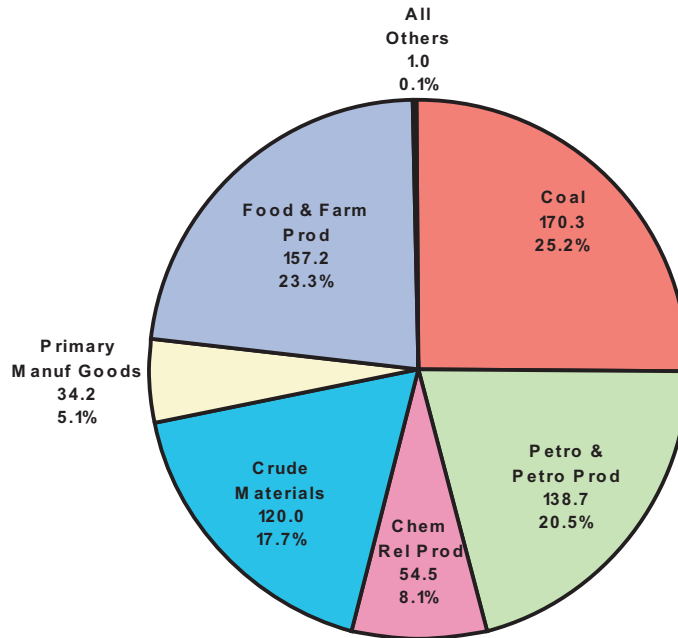
Table 3-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
FOR THE MISSISSIPPI RIVER SYSTEM  
(million short tons)

	2002	2003	%Change
<b>Foreign Commerce</b>	<b>185.5</b>	<b>169.7</b>	<b>-8.5</b>
Coal	2.2	3.1	40.9
Petro & Petro Prod	55.5	48.2	-13.2
Chem & Rel Prod	13.0	14.9	14.1
Crude Materials	13.5	15.4	14.5
Primary Manuf Goods	13.1	9.5	-27.2
Food & Farm Prod	87.4	77.8	-11.0
Other	0.8	0.9	7.6
<b>Coastwise Traffic</b>	<b>33.0</b>	<b>31.8</b>	<b>-3.6</b>
Coal	8.1	7.9	-2.6
Petro & Petro Prod	18.4	17.6	-4.2
Chem & Rel Prod	1.9	2.0	4.7
Crude Materials	3.7	3.3	-10.7
Primary Manuf Goods	0.0	0.0	250.1
Food & Farm Prod	0.9	1.0	12.7
Other	0.0	0.0	-95.5
<b>Internal Traffic</b>	<b>494.3</b>	<b>475.2</b>	<b>-3.9</b>
Coal	177.6	159.3	-10.3
Petro & Petro Prod	72.5	72.9	0.6
Chem & Rel Prod	35.5	37.7	6.2
Crude Materials	95.8	101.2	5.6
Primary Manuf Goods	25.9	24.7	-4.6
Food & Farm Prod	86.1	78.5	-8.9
Other	1.0	1.0	0.9

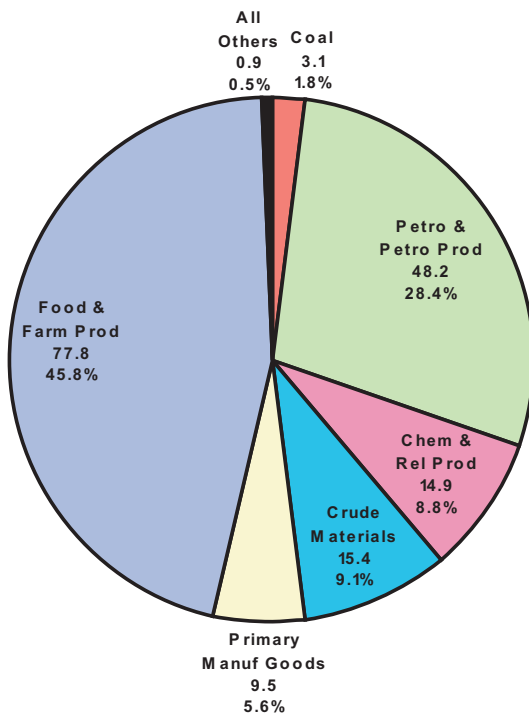


Figure 3-4  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003  
 FOR THE MISSISSIPPI RIVER SYSTEM  
 (million short tons and percentage of short tons)

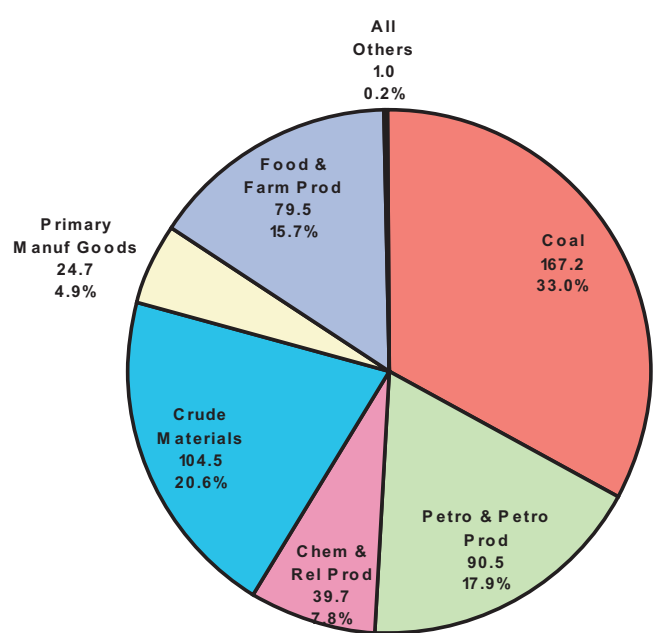
**Total Commerce**



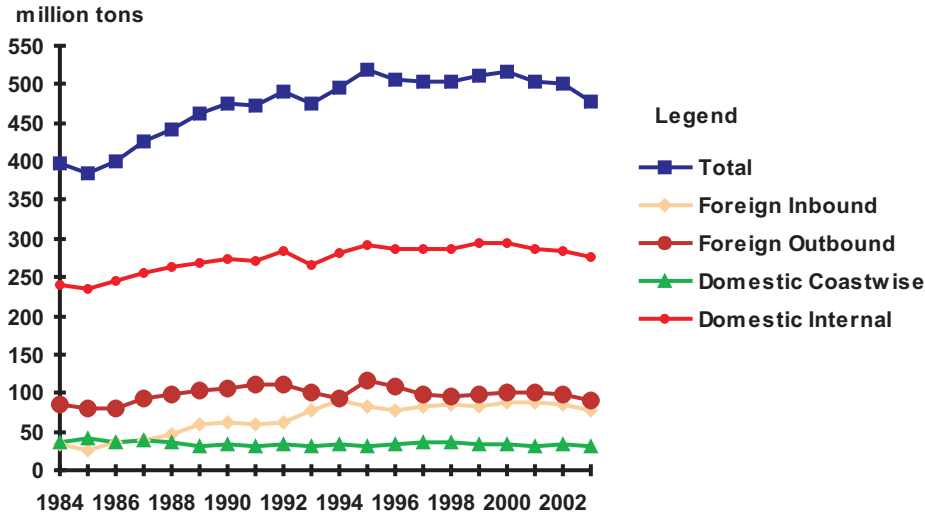
**Foreign Commerce**



**Domestic Commerce**



*Figure 3-5*  
**MISSISSIPPI RIVER MAIN STEM, 1984-2003**  
**BY TYPE OF TRAFFIC**  
 (million short tons)



*Table 3-5: MISSISSIPPI RIVER MAIN STEM, 1984-2003*  
**BY TYPE OF TRAFFIC\***  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>397.3</b>	<b>384.0</b>	<b>399.9</b>	<b>425.0</b>	<b>441.5</b>	<b>462.7</b>	<b>475.3</b>	<b>471.7</b>	<b>491.0</b>	<b>475.1</b>
Foreign										
Inbound	34.1	27.0	35.1	38.1	45.3	59.9	63.1	60.1	63.0	76.9
Outbound	85.9	81.0	81.1	93.7	97.5	104.0	106.0	109.9	112.3	100.0
Domestic										
Coastwise	36.9	40.9	37.4	37.4	35.8	31.1	32.6	31.3	32.4	31.8
Internal	240.4	235.0	246.3	255.8	262.9	267.8	273.6	270.3	283.3	266.5
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>496.8</b>	<b>520.3</b>	<b>505.6</b>	<b>504.7</b>	<b>503.9</b>	<b>512.3</b>	<b>515.6</b>	<b>504.2</b>	<b>501.7</b>	<b>478.0</b>
Foreign										
Inbound	89.8	81.5	77.3	83.5	85.2	83.5	87.7	87.8	86.3	78.4
Outbound	92.4	115.8	108.7	98.5	94.7	99.2	100.5	99.8	99.2	91.3
Domestic										
Coastwise	32.4	30.6	33.0	36.3	36.7	34.6	34.1	30.9	33.0	31.8
Internal	282.2	292.4	286.5	286.5	287.3	295.0	293.3	285.6	283.3	276.4

\* Foreign Inbound includes Upbound Thru Traffic. Foreign Outbound includes Downbound Thru Traffic.

Figure 3-6  
MISSISSIPPI RIVER MAIN STEM, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

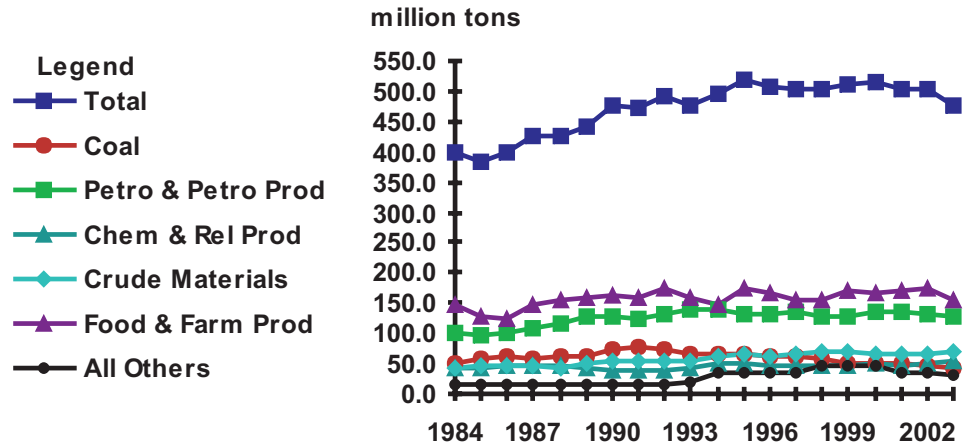


Table 3-6: MISSISSIPPI RIVER MAIN STEM, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>397.3</b>	<b>384.0</b>	<b>399.9</b>	<b>425.0</b>	<b>441.5</b>	<b>462.7</b>	<b>475.3</b>	<b>471.7</b>	<b>491.0</b>	<b>475.1</b>
Coal	49.7	56.8	62.9	59.3	62.3	63.7	73.7	77.2	73.1	64.1
Petro & Petro Prod	99.2	96.7	102.6	107.3	115.3	128.8	127.7	124.4	130.8	138.4
Chem & Rel Prod	43.0	41.1	46.2	47.9	48.3	44.0	40.3	38.4	40.4	41.6
Crude Materials	42.7	44.9	47.4	45.7	43.7	50.4	55.1	53.8	55.5	54.3
Primary Manuf Goods	16.3	14.3	15.3	14.8	15.8	15.4	15.3	16.4	15.7	18.3
Food & Farm Prod	145.6	129.1	124.4	149.0	155.1	158.8	162.1	160.6	174.4	157.4
All Manuf Equip	0.6	0.7	0.8	0.6	0.8	1.1	1.0	0.8	0.9	1.0
Other	0.4	0.4	0.3	0.4	0.4	0.4	0.1	0.1	0.2	0.2

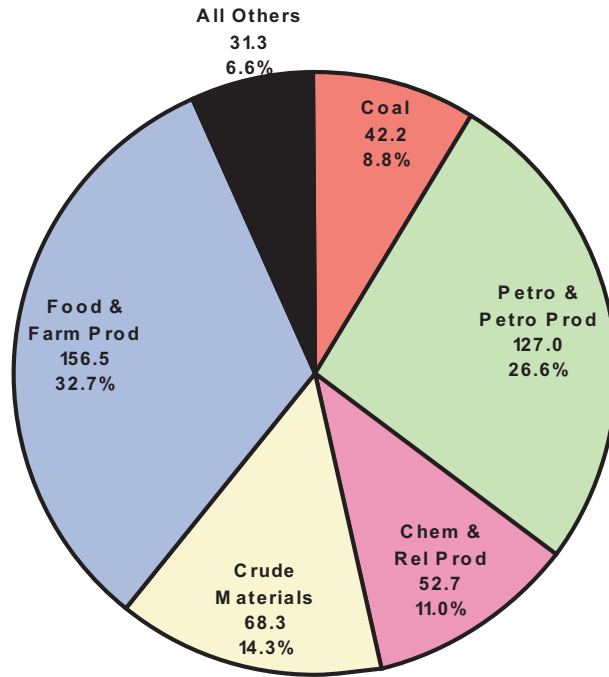
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>496.8</b>	<b>520.3</b>	<b>505.6</b>	<b>504.7</b>	<b>503.9</b>	<b>512.3</b>	<b>515.6</b>	<b>504.2</b>	<b>501.7</b>	<b>478.0</b>
Coal	65.4	64.6	63.3	61.7	59.2	52.0	50.0	50.4	46.3	42.2
Petro & Petro Prod	139.4	133.0	130.2	136.6	127.7	129.3	135.4	136.5	132.6	127.0
Chem & Rel Prod	48.6	49.7	48.4	47.2	45.7	45.0	48.5	48.2	48.5	52.7
Crude Materials	63.5	65.0	63.5	66.8	69.7	69.4	65.9	65.2	64.9	68.3
Primary Manuf Goods	32.9	34.0	31.0	33.5	43.1	45.0	45.9	32.0	34.1	29.5
Food & Farm Prod	145.9	172.8	167.0	156.5	155.9	169.9	167.9	169.9	173.5	156.5
All Manuf Equip	0.9	1.0	2.0	2.2	2.3	1.6	1.7	1.7	1.4	1.5
Other	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4

Table 3-7: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
FOR THE MISSISSIPPI RIVER MAIN STEM  
(million short tons)

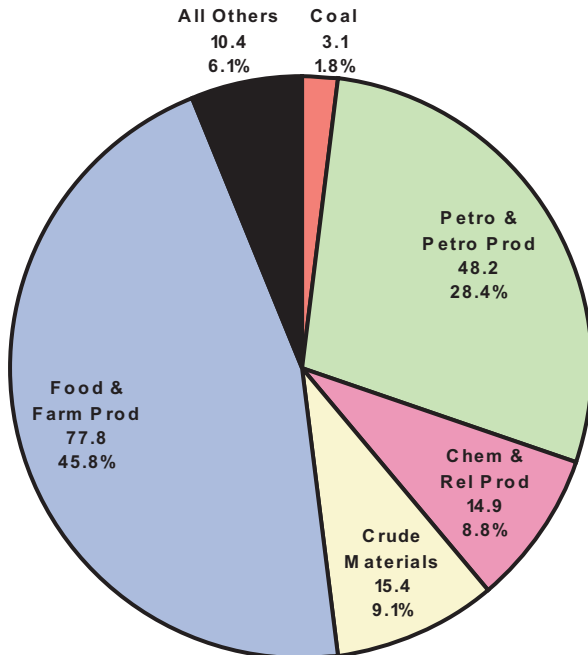
	2002	2003	%Change
<b>Total Commerce</b>	<b>501.7</b>	<b>478.0</b>	<b>-4.7</b>
Coal	46.3	42.2	-8.9
Petro & Petro Prod	132.6	127.0	-4.2
Chem & Rel Prod	48.5	52.7	8.5
Crude Materials	64.9	68.3	5.2
Primary Manuf Goods	34.1	29.5	-13.4
Food & Farm Prod	173.5	156.5	-9.8
Other	1.7	1.8	5.3
<b>Foreign Commerce</b>	<b>185.5</b>	<b>169.7</b>	<b>-8.5</b>
Coal	2.2	3.1	40.9
Petro & Petro Prod	55.5	48.2	-13.2
Chem & Rel Prod	13.0	14.9	14.1
Crude Materials	13.5	15.4	14.5
Primary Manuf Goods	13.1	9.5	-27.2
Food & Farm Prod	87.4	77.8	-11.0
Other	0.8	0.9	7.6
<b>Domestic Commerce</b>	<b>316.2</b>	<b>308.2</b>	<b>-2.5</b>
Coal	44.1	39.1	-11.4
Petro & Petro Prod	77.2	78.8	2.2
Chem & Rel Prod	35.5	37.8	6.4
Crude Materials	51.4	52.8	2.8
Primary Manuf Goods	21.0	20.0	-4.8
Food & Farm Prod	86.1	78.8	-8.6
Other	0.9	0.9	3.2

Figure 3-7  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003  
 FOR THE MISSISSIPPI RIVER MAIN STEM  
 (million short tons and percentage of short tons)

**Total Commerce**



**Foreign Commerce**



**Domestic Commerce**

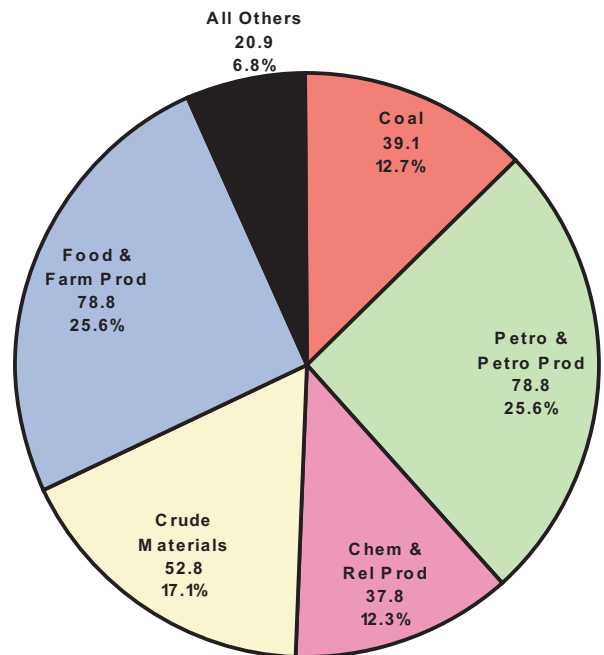


Figure 3-8  
OHIO RIVER SYSTEM, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

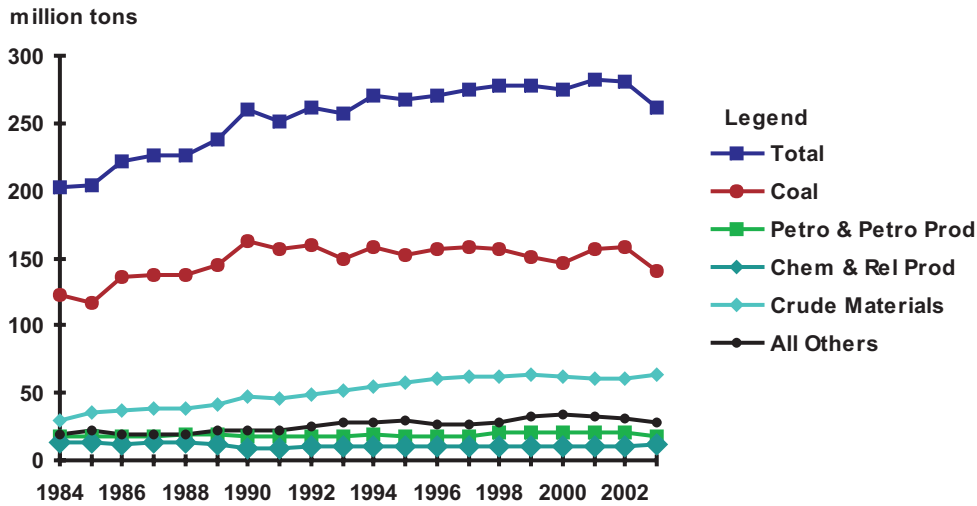


Table 3-8: OHIO RIVER SYSTEM, 1984-2003  
BY COMMODITY GROUP  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>202.2</b>	<b>203.9</b>	<b>222.2</b>	<b>226.7</b>	<b>225.9</b>	<b>238.4</b>	<b>260.0</b>	<b>251.9</b>	<b>261.4</b>	<b>257.3</b>
Coal	122.5	117.3	135.9	137.3	136.7	144.6	163.0	156.8	159.8	149.0
Petro & Petro Prod	17.9	17.1	17.6	18.2	18.6	18.8	18.3	17.8	18.0	18.1
Chem & Rel Prod	13.2	12.9	12.4	12.6	13.3	11.7	9.1	9.4	10.0	10.4
Crude Materials	29.4	34.9	36.4	39.0	38.1	41.0	47.0	45.3	49.1	51.1
Primary Manuf Goods	6.6	6.2	6.1	6.1	6.5	7.0	7.2	7.4	7.5	8.6
Food & Farm Prod	12.5	15.4	13.8	13.5	12.5	15.2	15.3	15.0	16.9	20.0
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>270.5</b>	<b>267.6</b>	<b>270.9</b>	<b>274.9</b>	<b>277.9</b>	<b>277.9</b>	<b>274.4</b>	<b>281.8</b>	<b>280.9</b>	<b>261.3</b>
Coal	157.9	151.7	156.5	158.4	156.9	150.8	146.1	157.1	158.8	140.9
Petro & Petro Prod	18.9	18.2	17.7	18.3	20.7	21.1	20.8	20.9	20.5	17.2
Chem & Rel Prod	10.6	10.7	9.8	10.1	10.3	10.3	10.9	10.7	10.6	11.5
Crude Materials	55.3	57.9	60.0	61.5	62.6	63.6	62.0	60.7	59.9	64.0
Primary Manuf Goods	11.2	11.6	11.7	11.1	12.7	16.1	17.7	13.6	13.4	13.1
Food & Farm Prod	16.6	17.4	15.0	15.3	14.7	15.8	16.4	18.6	17.5	14.4
Other	0.1	0.1	0.2	0.0	0.1	0.1	0.5	0.1	0.1	0.1

*Figure 3-9*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003**  
**FOR THE OHIO RIVER SYSTEM**  
(million short tons and percentage of short tons)

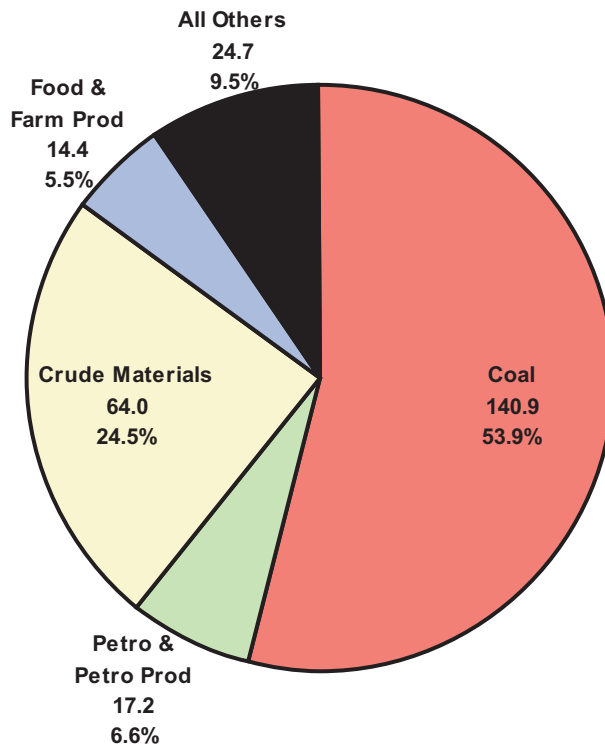


Table 3-9: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
FOR THE OHIO RIVER SYSTEM  
(million short tons)

	2002	2003	%Change
<b>Total Commerce</b>	<b>280.9</b>	<b>261.3</b>	-7.0
Coal	158.8	140.9	-11.2
Petroleum & Petroleum Products	20.5	17.2	-16.1
Chemicals & Related Products	10.6	11.5	9.1
Crude Materials	59.9	64.0	6.8
Primary Manufactured Goods	13.4	13.1	-2.4
Food & Farm Products	17.5	14.4	-17.7
Other	0.1	0.1	-13.2

Figure 3-10  
 GREAT LAKES, 1984-2003  
 BY TYPE OF TRAFFIC  
 (million short tons)

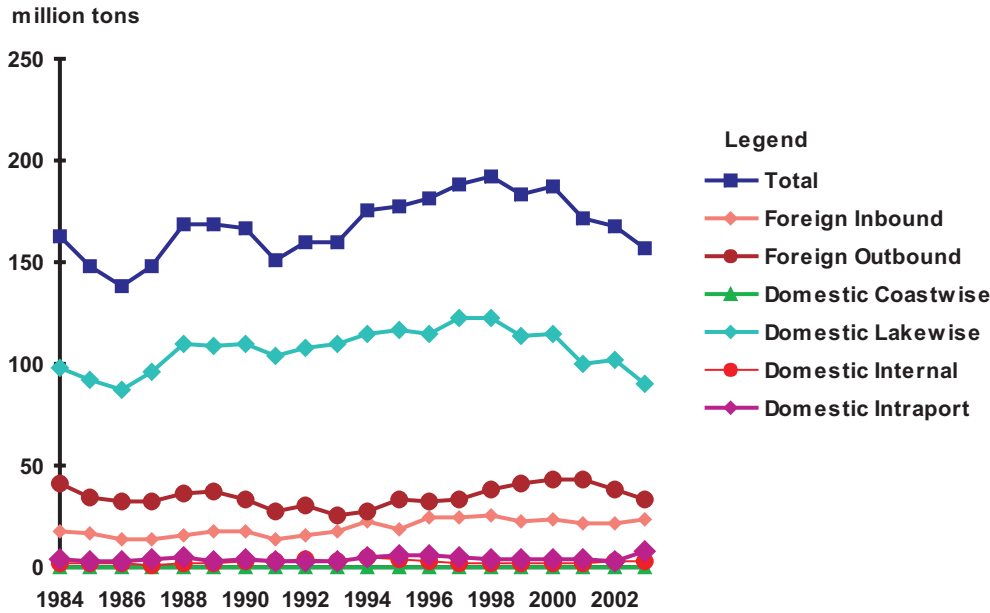


Table 3-10: GREAT LAKES, 1984-2003  
 BY TYPE OF TRAFFIC\*  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>162.8</b>	<b>148.1</b>	<b>137.9</b>	<b>148.1</b>	<b>168.8</b>	<b>168.9</b>	<b>167.1</b>	<b>151.1</b>	<b>159.9</b>	<b>159.6</b>
Foreign										
Inbound	17.8	17.1	13.8	13.9	15.9	17.8	17.6	14.2	15.4	18.1
Outbound	40.9	34.2	32.0	32.1	36.6	37.1	32.9	27.5	30.4	25.8
Domestic										
Coastwise	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
Lakewise	98.0	92.0	87.4	96.5	109.7	109.1	110.2	103.4	107.4	109.9
Internal	1.8	2.2	1.7	1.4	1.6	1.7	3.1	3.2	3.4	3.1
Intraport	4.2	2.7	3.0	4.3	5.0	3.3	3.4	2.7	3.3	2.8

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>175.3</b>	<b>177.8</b>	<b>181.8</b>	<b>188.6</b>	<b>192.2</b>	<b>182.9</b>	<b>187.5</b>	<b>171.4</b>	<b>167.2</b>	<b>156.5</b>
Foreign										
Inbound	23.1	18.9	24.5	24.5	25.6	22.2	23.9	22.0	21.5	23.3
Outbound	27.8	33.5	32.8	33.7	37.9	40.8	42.9	43.6	38.4	33.1
Domestic										
Coastwise	0.0	-	-	-	-	-	0.0	-	-	0.0
Lakewise	114.8	116.2	115.0	122.8	122.2	113.9	114.4	100.1	101.6	89.8
Internal	4.6	3.6	3.3	2.3	2.3	1.5	2.1	1.7	2.5	2.8
Intraport	5.0	5.5	6.2	5.2	4.3	4.4	4.2	4.0	3.2	7.4

\* Foreign Outbound includes Great Lakes Thru Foreign Traffic.



Figure 3-11  
 GREAT LAKES, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

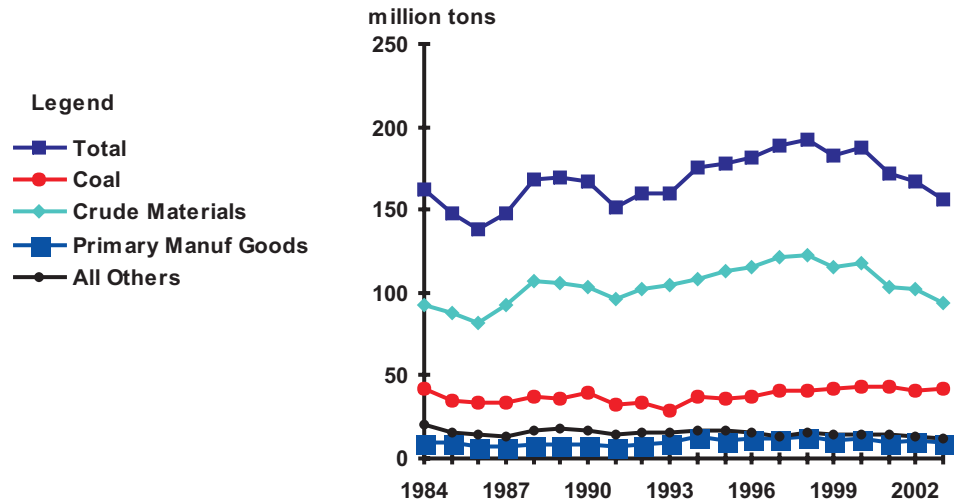


Table 3-11: GREAT LAKES, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>162.8</b>	<b>148.1</b>	<b>137.9</b>	<b>148.1</b>	<b>168.8</b>	<b>168.9</b>	<b>167.1</b>	<b>151.1</b>	<b>159.9</b>	<b>159.6</b>
Coal	41.6	34.8	34.1	33.6	36.7	35.7	39.4	32.8	33.4	29.2
Petro & Petro Prod	5.5	5.1	5.3	4.9	6.5	6.3	6.4	5.5	5.8	5.2
Chem & Rel Prod	2.6	2.7	2.4	2.3	2.4	2.5	2.7	2.2	1.9	1.7
Crude Materials	92.2	88.2	81.3	93.1	107.5	106.2	103.1	96.5	102.2	104.5
Primary Manuf Goods	9.1	9.5	7.8	7.6	8.1	8.7	8.4	7.6	8.3	9.7
Food & Farm Prod	11.6	7.6	6.8	6.4	7.1	8.6	6.2	5.2	6.9	7.6
All Manuf Equip	0.2	0.2	0.2	0.2	0.4	0.8	1.0	1.1	1.3	1.4
Other	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>175.3</b>	<b>177.8</b>	<b>181.8</b>	<b>188.6</b>	<b>192.2</b>	<b>182.9</b>	<b>187.5</b>	<b>171.4</b>	<b>167.2</b>	<b>156.5</b>
Coal	36.7	36.3	37.8	40.9	40.4	41.6	43.3	43.8	41.4	41.5
Petro & Petro Prod	5.9	5.5	6.2	5.6	6.5	4.9	4.6	4.6	4.3	4.7
Chem & Rel Prod	1.6	1.6	1.5	1.4	1.3	1.3	2.0	2.1	2.2	1.6
Crude Materials	108.4	113.1	115.9	121.8	122.3	115.3	117.9	103.6	102.1	93.4
Primary Manuf Goods	13.1	11.1	12.1	12.2	13.4	11.3	11.7	10.2	11.1	10.1
Food & Farm Prod	8.6	10.0	8.1	6.5	8.1	8.3	7.7	7.0	6.0	4.9
All Manuf Equip	0.8	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2
Other	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1

Table 3-12: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
FOR THE GREAT LAKES  
(million short tons)

	2002	2003	%Change
<b>Total Commerce</b>	<b>167.2</b>	<b>156.5</b>	<b>-6.4</b>
Coal	41.4	41.5	0.3
Petro & Petro Prod	4.3	4.7	9.3
Chem & Rel Prod	2.2	1.6	-24.0
Crude Materials	102.1	93.4	-8.5
Primary Manuf Goods	11.1	10.1	-9.5
Food and Farm Prod	6.0	4.9	-18.9
Other	0.2	0.3	55.9
<b>Foreign Commerce</b>	<b>60.0</b>	<b>56.5</b>	<b>-5.9</b>
Coal	21.2	20.3	-4.3
Petro & Petro Prod	1.5	1.8	19.5
Chem & Rel Prod	1.8	1.2	-34.0
Crude Materials	23.2	23.4	0.9
Primary Manuf Goods	6.6	5.0	-24.0
Food and Farm Prod	5.5	4.5	-18.0
Other	0.1	0.3	89.7
<b>Domestic Commerce</b>	<b>107.2</b>	<b>100.0</b>	<b>-6.7</b>
Coal	20.2	21.2	5.2
Petro & Petro Prod	2.8	2.9	3.8
Chem & Rel Prod	0.3	0.4	27.3
Crude Materials	78.9	70.0	-11.3
Primary Manuf Goods	4.5	5.0	12.1
Food and Farm Prod	0.5	0.4	-28.4
Other	0.0	0.0	-26.1

Figure 3-12  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003  
 FOR THE GREAT LAKES  
 (million short tons and percentage of tons)

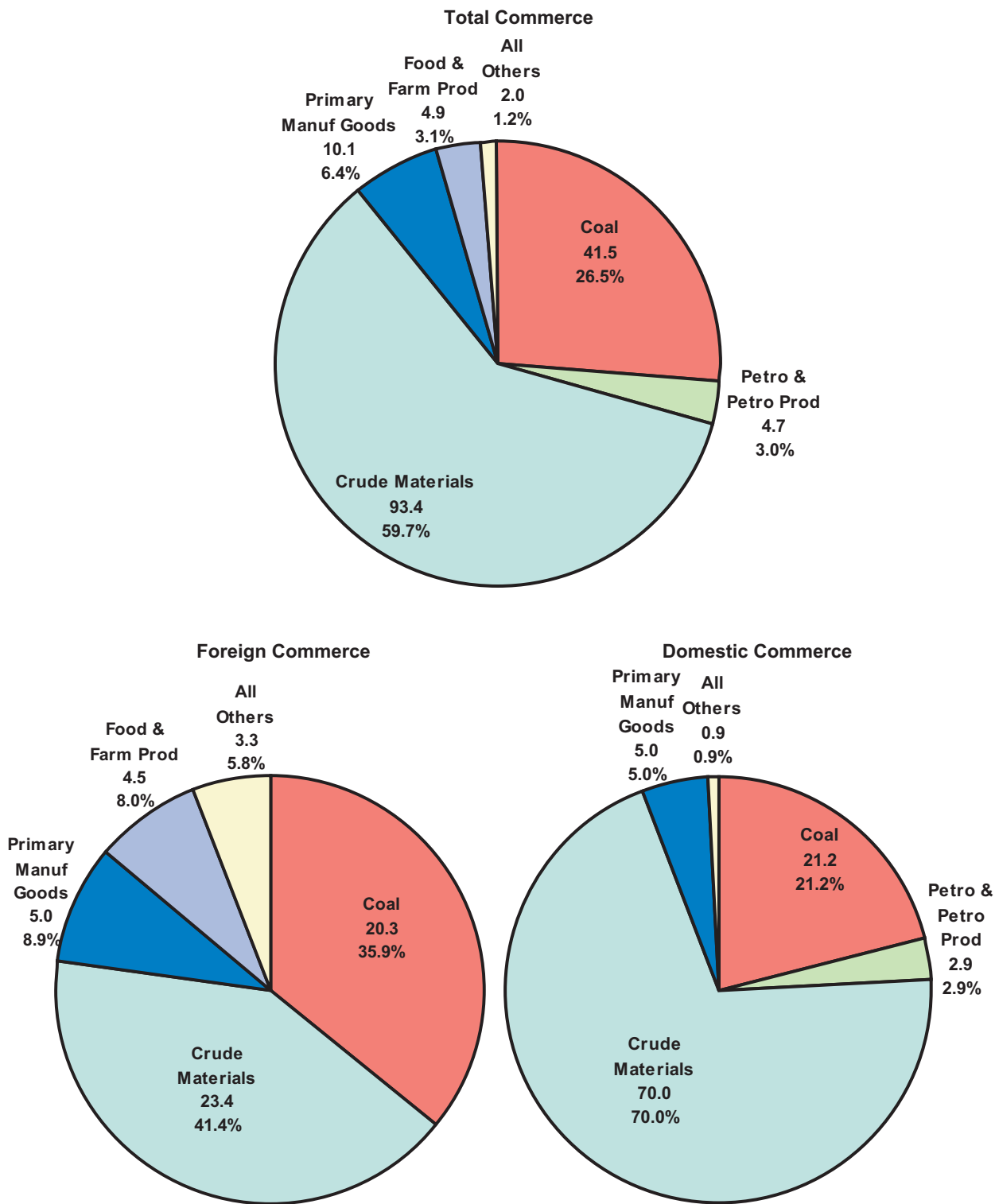


Figure 3-13  
 GULF INTRACOASTAL WATERWAY, 1984-2003  
 BY TYPE OF TRAFFIC  
 (million short tons)

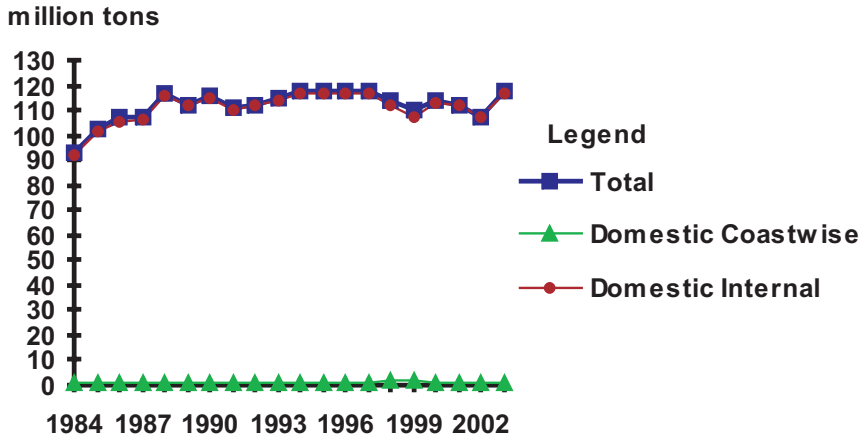


Table 3-13: GULF INTRACOASTAL WATERWAY, 1984-2003  
 BY TYPE OF TRAFFIC  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>93.4</b>	<b>102.5</b>	<b>107.0</b>	<b>107.0</b>	<b>117.7</b>	<b>112.7</b>	<b>115.4</b>	<b>111.0</b>	<b>112.3</b>	<b>114.9</b>
Foreign										
Inbound	-	0.0	0.0	0.0	0.4	0.3	-	-	-	-
Outbound	0.0	0.0	0.1	0.0	0.2	0.1	-	-	-	-
Domestic										
Coastwise	1.0	1.1	1.2	0.9	1.2	0.8	0.7	0.7	0.7	0.9
Internal	92.4	101.3	105.7	106.1	115.9	111.6	114.6	110.3	111.6	114.1
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>117.6</b>	<b>118.0</b>	<b>118.0</b>	<b>118.1</b>	<b>113.6</b>	<b>109.6</b>	<b>113.8</b>	<b>112.2</b>	<b>107.7</b>	<b>117.8</b>
Foreign										
Inbound	-	-	-	-	-	-	-	-	-	-
Outbound	-	-	-	-	-	-	-	-	-	-
Domestic										
Coastwise	1.3	1.2	1.1	1.3	1.9	1.9	0.8	0.7	0.8	0.7
Internal	116.3	116.8	116.9	116.8	111.6	107.7	113.0	111.5	106.9	117.1

Figure 3-14  
 GULF INTRACOASTAL WATERWAY, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

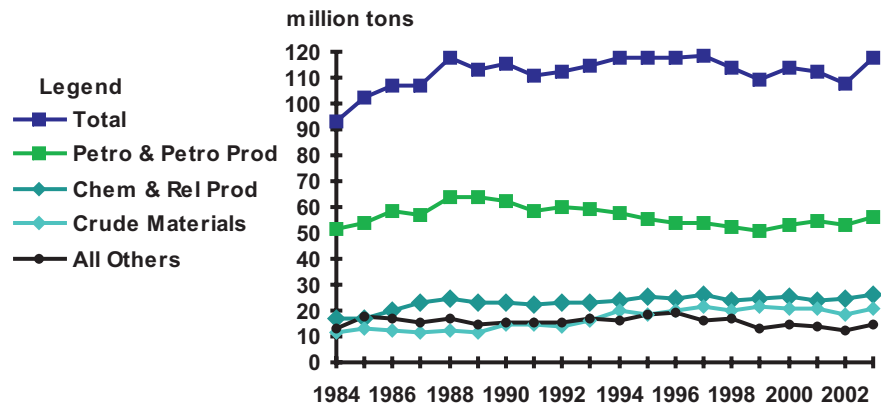


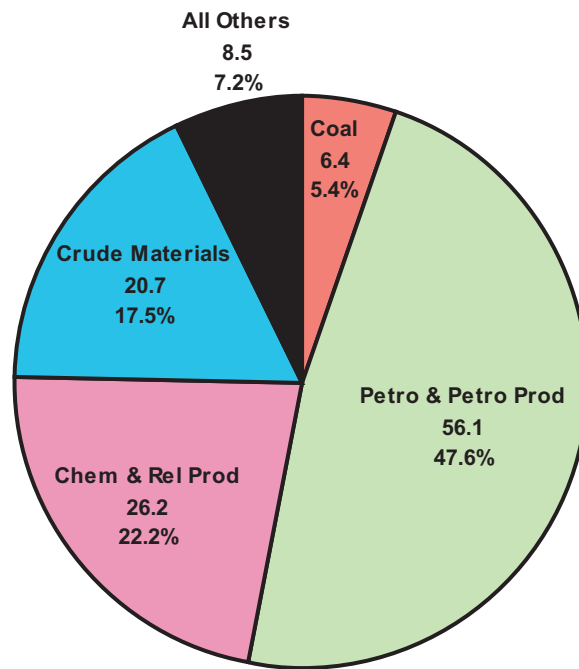
Table 3-14: GULF INTRACOASTAL WATERWAY, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>93.4</b>	<b>102.5</b>	<b>107.0</b>	<b>107.0</b>	<b>117.7</b>	<b>112.7</b>	<b>115.4</b>	<b>111.0</b>	<b>112.3</b>	<b>114.9</b>
Coal	6.8	7.2	8.8	8.0	8.0	7.5	9.2	8.4	8.4	8.4
Petrol & Petrol Prod	51.2	54.2	58.4	57.0	63.8	63.8	62.4	58.4	60.0	58.9
Chem & Rel Prod	17.3	17.1	19.8	22.9	24.4	22.8	22.9	22.2	23.2	23.4
Crude Materials	11.6	13.1	12.1	11.5	12.2	11.4	14.4	14.8	13.9	16.0
Primary Manuf Goods	3.2	4.5	3.3	3.2	3.9	2.7	3.0	3.6	2.9	3.2
Food & Farm Prod	1.9	3.2	3.0	2.7	3.3	2.9	2.2	2.2	2.1	2.6
All Manuf Equip	0.4	1.6	0.7	0.7	1.0	0.5	0.4	0.3	0.5	0.8
Other	1.2	1.5	1.0	1.1	1.2	1.2	0.8	1.1	1.3	1.6

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>117.6</b>	<b>118.0</b>	<b>118.0</b>	<b>118.1</b>	<b>113.6</b>	<b>109.6</b>	<b>113.8</b>	<b>112.2</b>	<b>107.7</b>	<b>117.8</b>
Coal	8.3	8.0	8.3	7.4	8.5	6.1	5.9	5.8	4.7	6.4
Petrol & Petrol Prod	58.1	55.7	54.2	54.2	52.2	50.4	53.3	54.5	52.9	56.1
Chem & Rel Prod	23.6	25.3	24.9	26.2	24.2	24.6	25.4	23.7	24.4	26.2
Crude Materials	19.6	18.3	20.1	21.4	20.1	21.3	20.4	20.4	18.2	20.7
Primary Manuf Goods	3.4	3.9	4.9	4.3	3.8	3.8	4.4	4.0	3.5	4.2
Food & Farm Prod	2.4	1.8	1.9	1.6	1.8	1.7	2.1	1.9	1.9	1.8
All Manuf Equip	0.8	4.1	3.0	2.0	1.9	1.1	1.3	1.0	1.3	1.7
Other	1.4	0.8	0.9	0.9	1.0	0.6	1.0	1.0	0.7	0.8

*Figure 3-15*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003**  
**FOR THE GULF INTRACOASTAL WATERWAY**  
(million short tons and percentage of short tons)



*Table 3-15: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003*  
**FOR THE GULF INTRACOASTAL WATERWAY**  
(million short tons)

	2002	2003	% Change
<b>Total Commerce</b>	<b>107.7</b>	<b>117.8</b>	<b>9.5</b>
Coal	4.7	6.4	35.1
Petroleum & Petroleum Products	52.9	56.1	6.2
Chemicals & Related Products	24.4	26.2	7.3
Crude Materials	18.2	20.7	13.3
Primary Manufactured Goods	3.5	4.2	20.4
Food & Farm Products	1.9	1.8	-8.4
All Manuf Equip	1.3	1.7	37.2
Other	0.7	0.8	6.0



Figure 3-16  
COLUMBIA RIVER, 1984-2003  
BY TYPE OF TRAFFIC  
(million short tons)

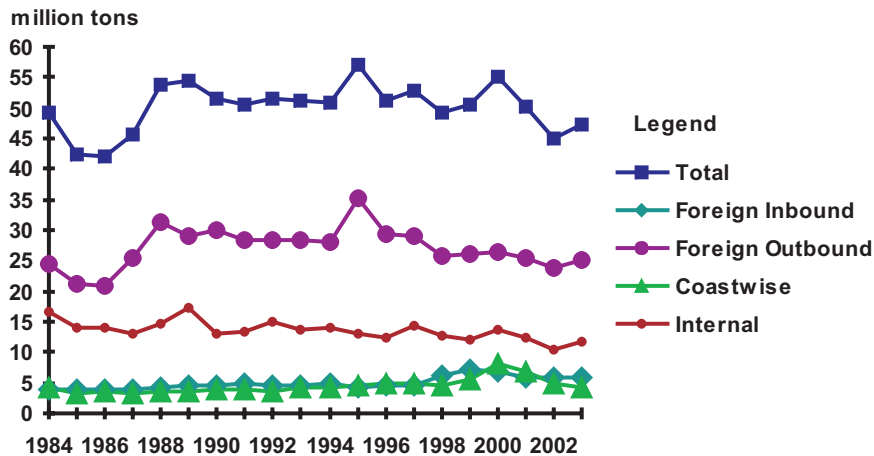


Table 3-16: COLUMBIA RIVER, 1984-2003  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Total</b>	<b>49.4</b>	<b>42.4</b>	<b>42.2</b>	<b>45.7</b>	<b>53.8</b>	<b>54.5</b>	<b>51.4</b>	<b>50.4</b>	<b>51.6</b>	<b>51.2</b>
Foreign										
Inbound	4.0	3.9	3.8	3.8	4.3	4.7	4.5	4.8	4.6	4.7
Outbound	24.5	21.3	20.7	25.3	31.3	29.1	30.0	28.4	28.5	28.5
Domestic										
Coastwise	4.3	3.2	3.6	3.4	3.5	3.5	3.9	3.8	3.6	4.2
Internal	16.6	14.0	14.1	13.2	14.8	17.2	13.0	13.5	14.9	13.8

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Total</b>	<b>50.9</b>	<b>57.1</b>	<b>51.2</b>	<b>52.7</b>	<b>49.1</b>	<b>50.7</b>	<b>55.2</b>	<b>50.3</b>	<b>45.0</b>	<b>47.2</b>
Foreign										
Inbound	4.8	4.4	4.5	4.7	6.3	7.1	6.8	5.8	5.7	6.0
Outbound	27.9	35.1	29.5	28.9	25.6	26.0	26.4	25.4	23.8	25.2
Domestic										
Coastwise	4.3	4.5	4.8	4.8	4.5	5.7	8.2	6.8	5.0	4.1
Internal	13.9	13.1	12.4	14.3	12.7	12.0	13.8	12.4	10.5	11.8

\*Foreign Inbound includes Upbound Thru Traffic. Foreign Outbound includes Downbound Thru Traffic.



Figure 3-17  
 COLUMBIA RIVER, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

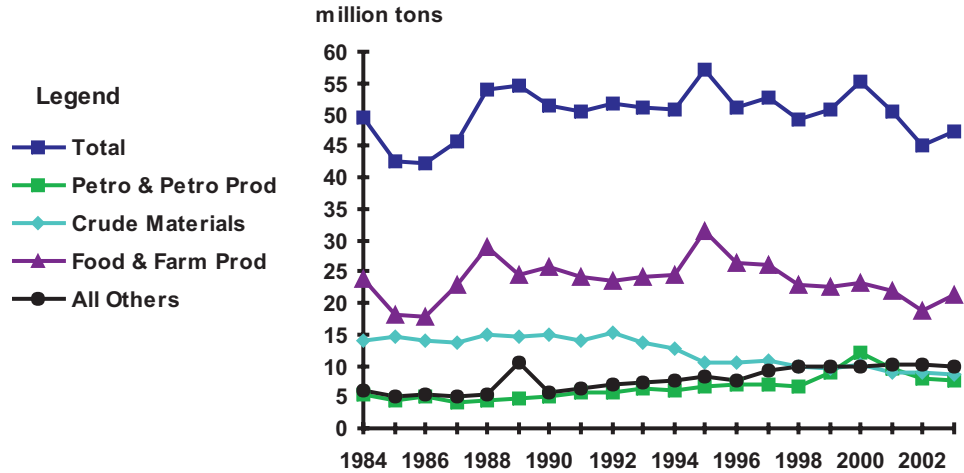


Table 3-17: COLUMBIA RIVER, 1984-2003  
 BY COMMODITY GROUP  
 (million short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	<b>49.4</b>	<b>42.4</b>	<b>42.2</b>	<b>45.7</b>	<b>53.8</b>	<b>54.5</b>	<b>51.4</b>	<b>50.4</b>	<b>51.6</b>	<b>51.2</b>
Coal	0.2	0.2	0.4	0.5	0.5	0.5	0.0	0.3	0.0	0.0
Petro & Petro Prod	5.4	4.4	5.0	4.3	4.4	4.8	5.1	5.8	5.7	6.2
Chem & Rel Prod	1.7	1.9	1.9	2.1	2.0	2.3	2.7	3.1	3.7	4.0
Crude Materials	14.1	14.6	14.1	13.6	14.9	14.6	15.0	14.1	15.3	13.6
Primary Manuf Goods	2.3	2.3	2.2	1.9	2.1	2.1	2.3	2.3	2.5	2.5
Food & Farm Prod	23.9	18.2	17.8	22.8	29.0	24.4	25.7	24.2	23.6	24.0
All Manuf Equip	0.6	0.6	0.7	0.4	0.8	0.7	0.6	0.7	0.7	0.7
Other	1.1	0.2	0.0	0.1	0.0	5.0	0.0	0.0	0.2	0.2

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total	<b>50.9</b>	<b>57.1</b>	<b>51.2</b>	<b>52.7</b>	<b>49.1</b>	<b>50.7</b>	<b>55.2</b>	<b>50.3</b>	<b>45.0</b>	<b>47.2</b>
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petro & Petro Prod	6.0	6.8	7.1	7.0	6.7	9.0	12.2	9.6	7.9	7.6
Chem & Rel Prod	4.1	4.4	3.9	4.9	5.5	5.5	5.8	5.8	5.6	5.8
Crude Materials	12.6	10.5	10.4	10.7	9.8	9.4	10.1	8.8	8.8	8.7
Primary Manuf Goods	2.8	2.9	2.6	2.9	2.9	3.1	2.6	3.0	2.6	2.6
Food & Farm Prod	24.4	31.6	26.2	25.9	22.8	22.4	23.2	21.7	18.7	21.2
All Manuf Equip	0.8	0.8	0.8	1.1	1.0	1.2	1.1	1.1	1.2	1.1
Other	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3

Table 3-18: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003  
FOR THE COLUMBIA RIVER  
(million short tons)

	2002	2003	%Change
<b>Total Commerce</b>	<b>45.0</b>	<b>47.2</b>	<b>4.7</b>
Coal	0.0	0.0	-99.7
Petro & Petro Prod	7.9	7.6	-4.4
Chem & Rel Prod	5.6	5.8	3.8
Crude Materials	8.8	8.7	-0.9
Primary Manuf Goods	2.6	2.6	0.5
Food & Farm Prod	18.7	21.2	12.9
All Manuf Equip	1.2	1.1	-7.8
Other	0.2	0.3	11.9
<b>Foreign Commerce</b>	<b>29.5</b>	<b>31.2</b>	<b>5.7</b>
Coal	0.0	0.0	-99.7
Petro & Petro Prod	1.8	1.8	1.3
Chem & Rel Prod	5.2	5.6	7.1
Crude Materials	3.7	4.0	9.0
Primary Manuf Goods	2.6	2.6	0.4
Food & Farm Prod	15.3	16.2	6.1
All Manuf Equip	1.0	1.0	2.3
Other	0.1	0.1	9.2
<b>Domestic Commerce</b>	<b>15.5</b>	<b>16.0</b>	<b>2.9</b>
Coal	0.0	0.0	-
Petro & Petro Prod	6.1	5.7	-6.1
Chem & Rel Prod	0.3	0.2	-47.7
Crude Materials	5.1	4.7	-8.1
Primary Manuf Goods	0.1	0.1	4.7
Food & Farm Prod	3.5	5.0	42.7
All Manuf Equip	0.2	0.1	-50.8
Other	0.2	0.2	9.1

*Figure 3-18*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003**  
**FOR THE COLUMBIA RIVER**  
 (million short tons and percentage of short tons)

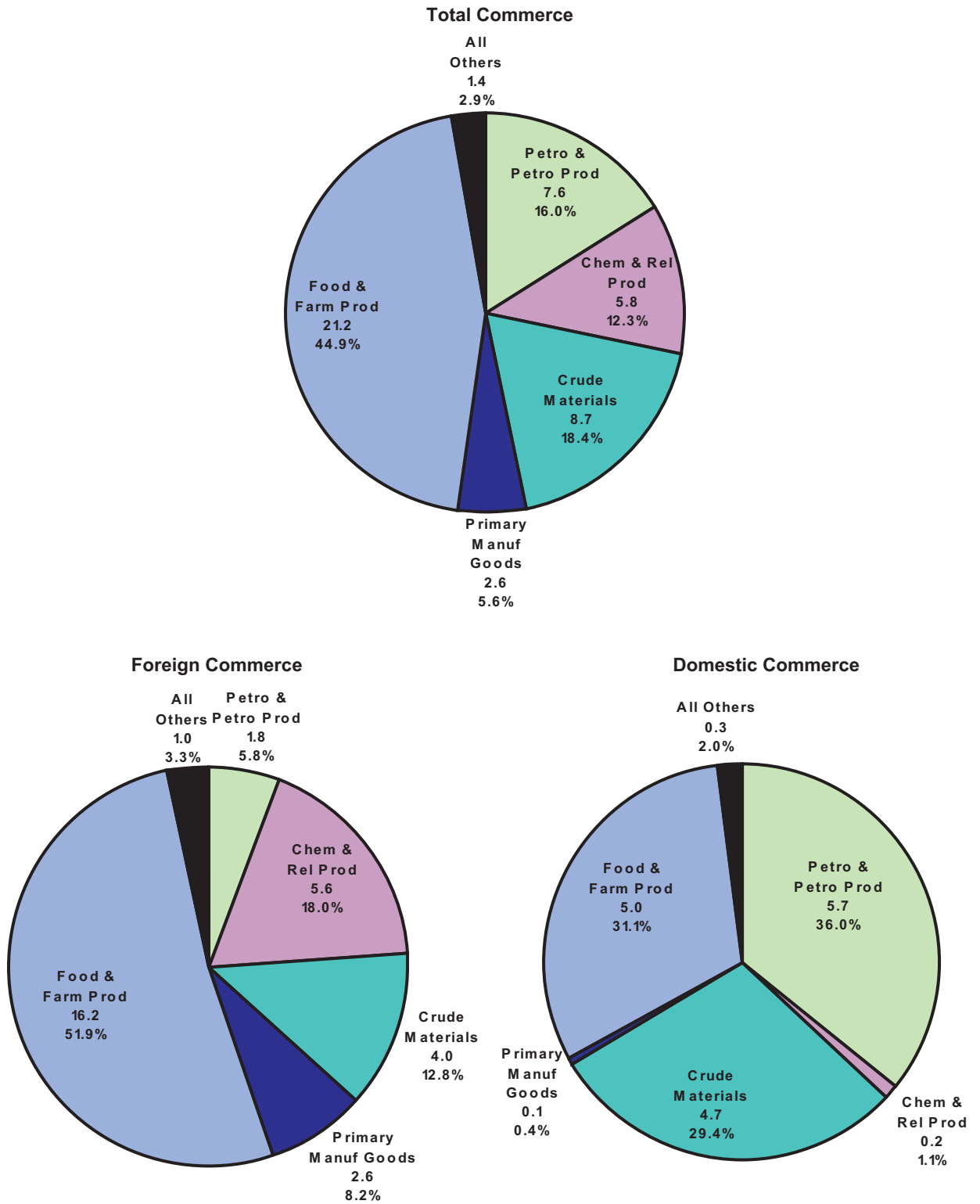


Figure 3-19  
SNAKE RIVER, 1984-2003  
BY COMMODITY GROUP  
(thousand short tons)

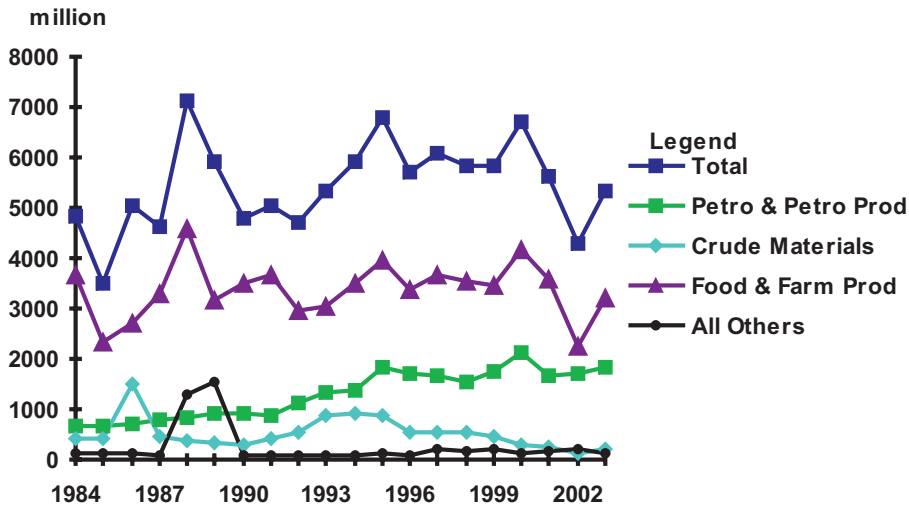


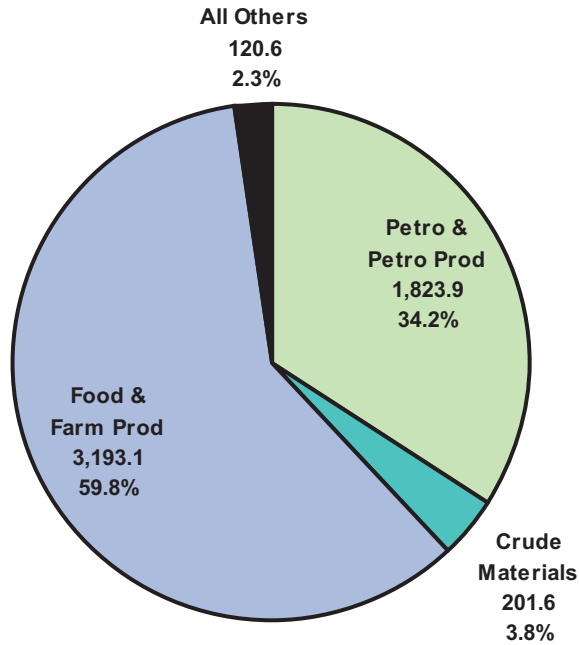
Table 3-19: SNAKE RIVER, 1984-2003  
BY COMMODITY GROUP  
(thousand short tons)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	<b>4,852.0</b>	<b>3,518.8</b>	<b>5,042.6</b>	<b>4,644.9</b>	<b>7,125.1</b>	<b>5,930.3</b>	<b>4,804.0</b>	<b>5,053.2</b>	<b>4,719.3</b>	<b>5,339.1</b>
Petro & Petro Prod	654.0	652.7	694.8	789.5	839.1	908.4	920.0	875.1	1,140.4	1,328.9
Chem & Rel Prod	26.3	27.2	45.2	36.2	22.9	33.1	14.8	41.3	35.4	50.9
Crude Materials	429.8	434.5	1,512.8	461.3	390.3	347.2	304.8	404.1	533.6	858.6
Primary Manuf Goods	71.7	74.4	45.9	45.6	52.2	45.3	53.8	45.0	43.2	40.0
Food & Farm Prod	3,653.5	2,316.8	2,704.4	3,301.3	4,601.1	3,148.8	3,503.2	3,682.4	2,961.4	3,055.8
All Manuf Equip	16.7	13.2	38.5	10.0	57.2	9.9	7.3	5.3	5.3	4.9
Waste & Scrap	-	-	0.9	1.0	1,162.2	1,437.5	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total	<b>5,929.1</b>	<b>6,803.9</b>	<b>5,707.4</b>	<b>6,102.5</b>	<b>5,840.0</b>	<b>5,836.5</b>	<b>6,707.1</b>	<b>5,638.7</b>	<b>4,283.8</b>	<b>5,339.1</b>
Petro & Petro Prod	1,391.3	1,847.6	1,708.8	1,683.2	1,556.0	1,739.0	2,120.5	1,652.3	1,704.5	1,823.9
Chem & Rel Prod	43.4	41.3	52.0	30.5	53.2	74.3	88.4	59.2	59.9	34.7
Crude Materials	925.9	878.9	548.5	540.2	556.2	444.7	312.5	241.4	136.0	201.6
Primary Manuf Goods	46.0	64.5	18.0	69.8	66.6	71.5	7.8	15.6	2.2	-
Food & Farm Prod	3,510.7	3,963.6	3,369.1	3,677.6	3,544.6	3,461.9	4,162.7	3,594.8	2,251.8	3,193.1
All Manuf Equip	11.8	8.0	10.8	101.3	63.5	45.1	15.2	75.3	129.3	85.8
Waste & Scrap	-	-	0.2	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

*Figure 3-20*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2003**  
**FOR THE SNAKE RIVER**  
 (thousand short tons and percentage of short tons)



*Table 3-20: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 2002-2003*  
**FOR THE SNAKE RIVER**  
 (thousand short tons)

	2002	2003	% Change
<b>Total Commerce</b>	<b>4,283.8</b>	<b>5,339.1</b>	<b>24.6</b>
Petroleum & Petroleum Products	1,704.5	1,823.9	7.0
Chemicals & Related Products	59.9	34.7	-42.0
Crude Materials	136.0	201.6	48.2
Primary Manufactured Goods	2.2	-	-100.0
Food & Farm Products	2,251.8	3,193.1	41.8
All Manufactured Equipment	129.3	85.8	-33.6
Waste & Scrap	-	-	-

Table 3-21: DOMESTIC TRAFFIC FOR SELECTED U.S. INLAND WATERWAYS IN 2003  
(million short tons, billions of ton-miles<sup>1</sup> and percent change from 2002)

Waterway	Length (miles)	Tons		Ton-Miles		Trip <sup>2</sup> Ton-Miles	
		2003	%	2003	%	2003	%
<b>Atlantic Coast</b>							
Atlantic Intracoastal Waterway, VA-FL	793	1.9	3.5	0.2	21.8	0.3	15.8
Intracoastal Wtwy, Jacksonville to Miami, FL	349	0.9	69.5	**	63.6	**	23.9
<b>Gulf Coast</b>							
Bayou Teche, LA	107	1.4	-10.0	**	-10.5	0.5	-18.3
Black Warrior and Tombigbee rivers, AL	449	21.0	10.3	3.7	5.8	7.3	10.5
Chocolate Bayou, TX	13	3.3	13.8	**	14.4	0.8	-0.3
Gulf Intracoastal Waterway, TX-FL	1,109	117.8	9.5	18.6	6.8	55.0	5.5
GIWW: Morgan City-Port Allen Route, LA	64	24.3	16.6	1.5	16.4	22.7	15.8
Petit Anse, Tigre, Carlin bayous, LA	16	2.5	13.1	**	6.9	3.2	22.5
Tennessee-Tombigbee Waterway, AL and MS	234	6.2	-0.2	1.2	1.1	4.1	13.9
<b>Mississippi River System</b>							
Allegheny River, PA	72	3.3	17.7	**	16.6	1.3	15.8
Atchafalaya River, LA	121	9.8	-8.8	0.6	-12.8	6.6	-7.9
Big Sandy River, KY and WV	27	22.6	-9.9	0.1	-9.3	6.1	-7.7
Cumberland River, KY and TN	381	20.6	-8.7	2.2	-14.8	8.8	-9.4
Green and Barren rivers, KY	109	7.9	-24.2	0.5	-31.0	2.8	-48.5
Illinois Waterway, IL	357	45.0	4.6	8.5	-1.6	41.2	-5.6
Kanawha River, WV	91	19.4	0.8	1.3	19.4	8.0	-7.3
McClellan-Kerr Arkansas R. Nav. Sys., AR/OK	462	13.0	9.1	2.7	6.2	7.6	10.3
Mississippi River Mpls, MN to Mouth of Passes	1,814	308.2	-2.5	167.5	-8.1	223.2	-6.1
Minneapolis, MN to Mouth of Missouri River	663	77.8	-7.4	14.6	-13.8	85.0	-10.5
Mouth of Missouri R. to Mouth of Ohio R.	195	111.5	-8.2	18.8	-8.4	115.3	-9.9
Mouth of Ohio River up to Baton Rouge, LA	720	185.5	-6.5	112.3	-7.8	194.6	-7.4
Baton Rouge up to New Orleans, LA <sup>3</sup>	130	212.9	-4.3	16.3	-6.4	180.1	-7.7
New Orleans, LA to Mouth of Passes <sup>3</sup>	106	115.8	0.8	5.5	-1.1	65.6	-1.6
Missouri R. (MO, KS, NE & IA) to Sioux City, IA	732	8.1	-2.6	0.3	-37.4	0.6	-47.4
Monongahela River, PA and WV	129	27.6	-27.8	1.1	-20.6	8.3	-16.0
Ohio River, PA, WV, OH, KY, IN, and IL	981	228.8	-5.9	54.2	-5.8	119.7	-6.7
Ouachita and Black rivers, AR and LA	332	2.2	57.7	0.3	41.2	1.1	62.8
Red River, LA	212	4.2	12.6	0.3	-15.9	2.7	9.1
Tennessee River, TN, KY, MS and AL	652	49.8	13.4	6.7	0.5	26.8	6.5
<b>Pacific Coast</b>							
Columbia River System, OR, WA, and ID	596	16.5	0.5	2.6	12.7	2.2	21.3
Columbia River and Willamette River below Vancouver, WA and Portland, OR <sup>3</sup>	113	16.2	1.5	0.6	-9.9	2.2	20.6
Vancouver, WA to The Dalles, OR	85	9.4	18.0	0.7	17.3	2.2	21.7
The Dalles Dam to McNary Lock and Dam	100	8.5	17.5	0.7	22.0	2.1	21.8
Above McNary L & D to Kennewick, WA	39	6.5	27.0	0.2	26.0	1.8	27.7
Snake River (WA and ID) to Lewiston, ID	141	5.3	24.6	0.3	29.6	1.6	25.5
Willamette River above Portland, OR	118	1.3	-22.3	**	-93.1	**	-14.5

1. \*\* denotes ton-miles of less than 50 million.

2. Internal and intraport tons times total distance from origin to destination.

3. Includes coastwise entrance channel miles for tons and ton-miles but not for trip ton-miles.

## Section 4 States





Table 4-1: WATERBORNE COMMERCE BY STATES, 2003  
(thousand short tons)

State	Grand Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,394,199</b>	<b>710,835</b>	<b>373,324</b>	<b>710,835</b>	<b>1,004,791</b>	<b>305,248</b>
Alabama	72,650	14,142	7,477	18,320	17,553	15,157
Alaska	65,353	51,133	6,746	2,649	949	3,876
Arkansas	15,083	6,197	-	5,836	-	3,050
California	193,378	5,539	37,957	29,370	107,287	13,225
Connecticut	18,579	892	118	11,223	4,850	1,496
Delaware	42,081	14,641	330	1,921	21,328	3,860
District of Columbia	770	1	-	769	-	-
Florida	131,570	11,215	16,430	60,327	40,514	3,083
Georgia	25,356	658	9,146	1,027	14,231	293
Guam	250	18	-	232	-	-
Hawaii	23,642	741	711	5,250	7,276	9,664
Idaho	1,061	828	-	48	-	184
Illinois	113,314	81,474	677	17,755	1,090	12,319
Indiana	68,059	13,131	610	47,728	2,029	4,561
Iowa	14,471	9,922	-	3,845	-	705
Kansas	1,694	16	-	1,678	-	-
Kentucky	99,332	52,180	-	32,424	-	14,727
Louisiana	469,461	101,297	96,512	120,656	107,489	43,507
Maine	31,698	154	467	2,701	28,217	159
Maryland	47,533	6,032	5,880	12,378	19,626	3,618
Massachusetts	30,655	923	810	8,042	19,041	1,839
Michigan	66,387	22,099	3,723	19,389	7,945	13,231
Minnesota	47,687	28,914	9,198	6,429	524	2,623
Mississippi	47,446	13,613	4,380	9,781	18,839	832
Missouri	34,050	19,265	-	6,306	-	8,479
Nebraska	50	28	-	22	-	-
New Hampshire	4,971	23	160	674	4,114	-
New Jersey	111,661	27,522	8,157	18,581	53,488	3,913
New York	99,406	14,704	2,567	20,943	43,828	17,363
North Carolina	10,231	298	1,507	2,862	3,967	1,596
Ohio	113,743	15,943	15,031	58,671	8,806	15,293
Oklahoma	4,895	2,554	-	2,331	-	10
Oregon	31,811	3,198	13,206	7,419	4,614	3,374
Other	61,783	3,339	-	6,728	51,716	1
Pacific Islands	373	327	-	45	-	1
Pennsylvania	104,404	18,340	996	35,697	36,886	12,485
Puerto Rico	29,644	1,783	1,672	9,253	14,829	2,108
Rhode Island	9,417	441	271	4,120	4,538	46
South Carolina	27,811	419	5,780	3,518	15,571	2,523
Tennessee	45,840	7,719	-	34,096	-	4,026
Texas	473,941	45,821	65,240	22,418	284,932	55,530
Trans-Shipments**	57	-	-	57	-	-
Vermont	-	-	-	-	-	-
Virgin Islands	50,047	22,768	1,474	-	25,444	361
Virginia	50,033	9,386	19,521	4,275	12,222	4,629
Washington	106,489	13,333	32,872	29,480	19,479	11,325
West Virginia	73,326	46,595	-	16,723	-	10,007
Wisconsin	33,546	21,268	3,698	6,840	1,568	171

\* Excludes duplication.

\*\* Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Amuelles, Panama and Hondo Platform-Pacific Ocean.

Table 4-2: WATERBORNE COMMERCE BY STATES, 2003, RANKED BY TOTAL TONS  
(thousand short tons)

State	Grand Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,394,199</b>	<b>710,835</b>	<b>373,324</b>	<b>710,835</b>	<b>1,004,791</b>	<b>305,248</b>
Texas	473,941	45,821	65,240	22,418	284,932	55,530
Louisiana	469,461	101,297	96,512	120,656	107,489	43,507
California	193,378	5,539	37,957	29,370	107,287	13,225
Florida	131,570	11,215	16,430	60,327	40,514	3,083
Ohio	113,743	15,943	15,031	58,671	8,806	15,293
Illinois	113,314	81,474	677	17,755	1,090	12,319
New Jersey	111,661	27,522	8,157	18,581	53,488	3,913
Washington	106,489	13,333	32,872	29,480	19,479	11,325
Pennsylvania	104,404	18,340	996	35,697	36,886	12,485
New York	99,406	14,704	2,567	20,943	43,828	17,363
Kentucky	99,332	52,180	-	32,424	-	14,727
West Virginia	73,326	46,595	-	16,723	-	10,007
Alabama	72,650	14,142	7,477	18,320	17,553	15,157
Indiana	68,059	13,131	610	47,728	2,029	4,561
Michigan	66,387	22,099	3,723	19,389	7,945	13,231
Alaska	65,353	51,133	6,746	2,649	949	3,876
Other	61,783	3,339	-	6,728	51,716	1
Virgin Islands	50,047	22,768	1,474	-	25,444	361
Virginia	50,033	9,386	19,521	4,275	12,222	4,629
Minnesota	47,687	28,914	9,198	6,429	524	2,623
Maryland	47,533	6,032	5,880	12,378	19,626	3,618
Mississippi	47,446	13,613	4,380	9,781	18,839	832
Tennessee	45,840	7,719	-	34,096	-	4,026
Delaware	42,081	14,641	330	1,921	21,328	3,860
Missouri	34,050	19,265	-	6,306	-	8,479
Wisconsin	33,546	21,268	3,698	6,840	1,568	171
Oregon	31,811	3,198	13,206	7,419	4,614	3,374
Maine	31,698	154	467	2,701	28,217	159
Massachusetts	30,655	923	810	8,042	19,041	1,839
Puerto Rico	29,644	1,783	1,672	9,253	14,829	2,108
South Carolina	27,811	419	5,780	3,518	15,571	2,523
Georgia	25,356	658	9,146	1,027	14,231	293
Hawaii	23,642	741	711	5,250	7,276	9,664
Connecticut	18,579	892	118	11,223	4,850	1,496
Arkansas	15,083	6,197	-	5,836	-	3,050
Iowa	14,471	9,922	-	3,845	-	705
North Carolina	10,231	298	1,507	2,862	3,967	1,596
Rhode Island	9,417	441	271	4,120	4,538	46
New Hampshire	4,971	23	160	674	4,114	-
Oklahoma	4,895	2,554	-	2,331	-	10
Kansas	1,694	16	-	1,678	-	-
Idaho	1,061	828	-	48	-	184
District of Columbia	770	1	-	769	-	-
Pacific Islands	373	327	-	45	-	1
Guam	250	18	-	232	-	-
Trans-shipment**	57	0	-	57	-	-
Nebraska	50	28	-	22	-	-
Vermont	-	-	-	-	-	-

\* Excludes duplication.

\*\* Ports and offshore anchorages where cargo is moved from one vessel to another. These are St. Lucia, Virgin Islands Heald Bank off LA-TX coast, Cherique Grande, Panama, Puerto Amuelles, Panama and Hondo Platform-Pacific Ocean.

Table 4-3: U.S. COMMERCIAL LANDINGS OF FISH, BY STATES, 2002 AND 2003\*  
(thousand pounds)

State	2002	2003	% Change	Year	Record Landing
<b>Total</b>	<b>9,397,164</b>	<b>9,505,448</b>	<b>1.2</b>	-	-
Alabama	23,380	25,344	8.4	1973	36,744
Alaska	5,066,263	5,305,960	4.7	1993	5,905,638
California	498,745	366,346	-26.5	1936	1,760,193
Connecticut	16,177	16,281	0.6	1930	88,012
Delaware	5,857	5,018	-14.3	1953	367,500
Florida	111,196	111,303	0.1	1954	264,564
Georgia	9,563	7,453	-22.1	1927	47,607
Hawaii	23,841	23,556	-1.2	1999	36,907
Illinois	-	-	-	-	**
Indiana	-	-	-	-	**
Louisiana	1,308,531	1,189,448	-9.1	1984	1,931,027
Maine	197,057	232,804	18.1	1950	356,266
Maryland	53,185	49,350	-7.2	1890	141,607
Massachusetts	243,824	294,477	20.8	1948	649,696
Michigan	9,459	8,690	-8.1	1930	35,580
Minnesota	449	435	-3.1	-	**
Mississippi	217,053	213,116	-1.8	1984	476,997
New Hampshire	23,201	27,410	18.1	-	**
New Jersey	162,175	170,017	4.8	1956	540,060
New York	38,712	39,452	1.9	1880	335,000
North Carolina	159,557	139,215	-12.7	1981	432,006
Ohio	3,427	3,994	16.5	1936	31,083
Oregon	211,183	225,528	6.8	1997	273,503
Pennsylvania	15	21	40.0	-	**
Rhode Island	103,656	95,727	-7.6	1957	142,080
South Carolina	13,458	22,043	63.8	1965	26,611
Texas	88,201	96,125	9.0	1960	237,684
Utah	-	5,997			**
Virginia	442,490	446,828	1.0	1990	786,794
Washington	362,049	379,732	4.9	1994	527,804
Wisconsin	4,451	4,298	-3.4	-	**

Source: Personal communication from the National Marine Fisheries Service, Fisheries Statistics and Economics Division, Silver Spring, MD

\* Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.

\*\* Data not available.



## Section 5 Ports



Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 2003  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
62	Albany, NY	7,655,856	1,643,930	1,325,761	318,169	6,011,926
98	Alpena, MI	3,000,141	175,806	32,250	143,556	2,824,335
41	Anacortes, WA	15,820,495	2,598,327	1,492,029	1,106,298	13,222,168
96	Anchorage, AK	3,178,633	684,372	218,233	466,139	2,494,261
50	Ashtabula, OH	10,426,942	5,838,144	960,441	4,877,703	4,588,798
18	Baltimore, MD	40,183,371	24,096,177	18,984,957	5,111,220	16,087,194
71	Barbers Point, Oahu, HI	5,929,756	2,579,157	2,357,417	221,740	3,350,599
10	Baton Rouge, LA	61,264,412	23,152,164	18,701,796	4,450,368	38,112,248
4	Beaumont, TX	87,540,979	68,787,271	63,336,752	5,450,519	18,753,708
100	Biloxi, MS	2,899,619	-	-	-	2,899,619
31	Boston, MA	24,832,103	16,441,595	15,634,152	807,443	8,390,508
79	Bridgeport, CT	4,755,571	1,852,527	1,850,626	1,901	2,903,044
89	Brownsville, TX	3,730,530	2,314,661	1,865,561	449,100	1,415,869
119	Brunswick, GA	1,991,596	1,875,128	1,056,658	818,470	116,468
131	Buffalo, NY	1,427,319	402,376	402,376	-	1,024,943
138	Buffington, IN	1,270,256	51,619	51,619	-	1,218,637
60	Burns Waterway Harbor, IN	8,069,161	1,654,924	1,269,905	385,019	6,414,237
64	Calcite, MI	6,880,241	578,539	69,785	508,754	6,301,702
65	Camden-Gloucester, NJ	6,818,849	4,334,366	3,764,289	570,077	2,484,483
30	Charleston, SC	25,198,899	18,778,726	13,041,525	5,737,201	6,420,173
136	Charlevoix, MI	1,304,711	121,251	48,312	72,939	1,183,460
102	Chattanooga, TN	2,843,131	-	-	-	2,843,131
118	Chester, PA	2,020,662	1,646,200	1,342,801	303,399	374,462
36	Chicago, IL	22,609,742	1,734,007	1,057,337	676,670	20,875,735
48	Cincinnati, OH	11,828,259	-	-	-	11,828,259
47	Cleveland, OH	12,620,794	3,112,252	2,708,093	404,159	9,508,542
67	Conneaut, OH	6,705,052	3,117,163	177,899	2,939,264	3,587,889
121	Coos Bay, OR	1,883,228	1,543,942	195,189	1,348,753	339,286
7	Corpus Christi, TX	77,224,732	53,394,091	44,758,661	8,635,430	23,830,641
43	Detroit, MI	14,308,032	3,882,653	3,493,535	389,118	10,425,379
134	Drummond Island, MI	1,401,189	96,440	11,734	84,706	1,304,749
19	Duluth-Superior, MN and WI	38,343,379	13,082,576	529,060	12,553,516	25,260,803
145	Erie, PA	1,120,690	49,832	48,774	1,058	1,070,858
82	Escanaba, MI	4,581,567	62,258	54,796	7,462	4,519,309
104	Everett, WA	2,712,172	550,543	264,683	285,860	2,161,629
108	Fairport Harbor, OH	2,525,817	414,104	257,575	156,529	2,111,713
99	Fall River, MA	2,977,377	1,954,888	1,954,888	-	1,022,489
24	Freeport, TX	30,536,657	25,100,661	22,665,591	2,435,070	5,435,996
63	Galveston, TX	7,545,401	3,788,316	1,064,833	2,723,483	3,757,085
56	Gary, IN	9,010,338	572,933	393,742	179,191	8,437,405
106	Georgetown, SC	2,545,852	2,443,351	2,400,943	42,408	102,501
146	Grand Haven, MI	1,092,882	341,321	318,215	23,106	751,561
129	Grays Harbor, WA	1,537,199	845,428	323,006	522,422	691,771
116	Green Bay, WI	2,083,818	299,146	292,532	6,614	1,784,672
95	Greenville, MS	3,219,933	-	-	-	3,219,933
110	Gulfport, MS	2,243,369	2,170,778	1,228,417	942,361	72,591
117	Guntersville, AL	2,066,376	-	-	-	2,066,376
123	Helena, AR	1,847,997	-	-	-	1,847,997
142	Hempstead, NY	1,189,625	-	-	-	1,189,625
122	Hilo, HI	1,849,910	-	-	-	1,849,910

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 2003 - continued  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
40	Honolulu, HI	17,835,850	5,408,077	4,918,596	489,481	12,427,773
2	Houston, TX	190,923,145	126,893,405	90,335,647	36,557,758	64,029,740
150	Humboldt, CA	1,042,175	379,006	164,703	214,303	663,169
6	Huntington - Tristate	77,641,149	-	-	-	77,641,149
137	Huron, OH	1,290,731	47,558	36,335	11,223	1,243,173
44	Indiana Harbor, IN	14,132,553	359,842	314,107	45,735	13,772,711
37	Jacksonville, FL	21,731,239	10,831,186	9,878,816	952,370	10,900,053
88	Kahului, Maui, HI	3,778,418	90	90	-	3,778,328
61	Kalama, WA	7,659,056	6,658,111	219,889	6,438,222	1,000,945
92	Kansas City, MO	3,649,724	-	-	-	3,649,724
126	Kawaihae Harbor, HI	1,800,899	-	-	-	1,800,899
149	Kelleys Island, OH	1,071,089	-	-	-	1,071,089
101	Kivilina, AK	2,864,312	1,456,896	-	1,456,896	1,407,416
12	Lake Charles, LA	53,363,966	31,805,494	27,825,176	3,980,318	21,558,472
8	Long Beach, CA	69,195,350	52,371,332	37,969,522	14,401,810	16,824,018
75	Longview, WA	5,024,718	4,219,454	698,574	3,520,880	805,264
113	Lorain, OH	2,153,548	334,244	334,244	-	1,819,304
13	Los Angeles, CA	51,327,289	42,791,436	29,962,253	12,829,183	8,535,853
59	Louisville, KY	8,477,456	-	-	-	8,477,456
143	Manistee, MI	1,174,779	711,628	196,385	515,243	463,151
93	Marblehead, OH	3,596,995	619,437	15,505	603,932	2,977,558
29	Marcus Hook, PA	26,163,571	16,087,381	16,077,374	10,007	10,076,190
94	Marine City, MI	3,585,236	93,035	93,035	-	3,492,201
141	Marquette, MI	1,205,910	284,738	284,738	-	921,172
140	Marysville, MI	1,212,657	584,298	584,298	-	628,359
49	Matagorda Ship Channel, TX	11,672,706	8,024,041	6,451,220	1,572,821	3,648,665
39	Memphis, TN	18,191,319	-	-	-	18,191,319
55	Miami, FL	9,165,098	7,796,311	4,915,706	2,880,605	1,368,787
97	Milwaukee, WI	3,001,880	1,444,354	1,119,290	325,064	1,557,526
127	Minneapolis, MN	1,727,775	-	-	-	1,727,775
14	Mobile, AL	50,214,435	25,027,977	17,553,389	7,474,588	25,186,458
148	Monroe, MI	1,077,488	80,344	72,490	7,854	997,144
109	Morehead City, NC	2,297,487	1,448,527	703,318	745,209	848,960
87	Mount Vernon, IN	3,885,781	-	-	-	3,885,781
107	Muskegon, MI	2,544,841	328,816	321,516	7,300	2,216,025
86	Nashville, TN	4,003,564	-	-	-	4,003,564
128	Nawiliwili, Kauai, HI	1,720,532	-	-	-	1,720,532
58	New Castle, DE	8,538,275	1,329,415	1,329,415	-	7,208,860
51	New Haven, CT	10,385,218	3,070,239	2,954,309	115,930	7,314,979
5	New Orleans, LA	83,846,626	48,876,450	20,889,868	27,986,582	34,970,176
3	New York, NY and NJ	145,889,166	79,684,774	70,251,263	9,433,511	66,204,392
52	Newport News, VA	10,257,407	4,790,913	936,109	3,854,804	5,466,494
70	Nikishka, AK	6,420,240	3,311,167	226,934	3,084,233	3,109,073
23	Norfolk Harbor, VA	31,195,311	24,304,461	9,219,073	15,085,388	6,890,850
46	Oakland, CA	12,627,486	10,063,416	4,203,403	5,860,013	2,564,070
132	Olympia, WA	1,419,005	253,988	107,924	146,064	1,165,017
83	Palm Beach, FL	4,362,876	1,864,536	819,382	1,045,154	2,498,340
105	Panama City, FL	2,621,969	853,429	663,660	189,769	1,768,540
22	Pascagoula, MS	31,291,735	20,783,028	17,513,754	3,269,274	10,508,707
26	Paulsboro, NJ	27,283,400	18,218,507	17,908,339	310,168	9,064,893



Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 2003 continued  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
124	Penn Manor, PA	1,847,146	1,709,767	1,205,420	504,347	137,379
130	Pensacola, FL	1,475,159	346,642	292,732	53,910	1,128,517
20	Philadelphia, PA	33,248,697	18,792,923	18,615,848	177,075	14,455,774
17	Pittsburgh, PA	41,675,421	-	-	-	41,675,421
11	Plaquemines, LA, Port of	55,916,880	19,001,706	8,519,740	10,481,966	36,915,174
91	Ponce, PR	3,670,526	3,613,542	3,266,582	346,960	56,984
125	Port Angeles, WA	1,811,808	723,624	672,165	51,459	1,088,184
27	Port Arthur, TX	27,169,763	18,466,795	14,259,432	4,207,363	8,702,968
80	Port Canaveral, FL	4,752,269	3,096,663	2,950,340	146,323	1,655,606
114	Port Dolomite, MI	2,118,508	295,823	12,229	283,594	1,822,685
33	Port Everglades, FL	23,040,269	10,407,653	8,426,945	1,980,708	12,632,616
147	Port Hueneme, CA	1,089,916	1,056,540	910,801	145,739	33,376
78	Port Inland, MI	4,781,992	203,485	20,168	183,317	4,578,507
115	Port Jefferson, NY	2,102,605	-	-	-	2,102,605
77	Port Manatee, FL	4,861,127	3,874,444	3,189,814	684,630	986,683
25	Portland, ME	29,160,899	27,306,863	27,133,777	173,086	1,854,036
28	Portland, OR	26,795,881	15,752,865	4,398,499	11,354,366	11,043,016
76	Portsmouth, NH	4,971,385	4,273,983	4,113,573	160,410	697,402
57	Presque Isle, MI	8,775,676	1,143,548	-	1,143,548	7,632,128
54	Providence, RI	9,213,814	4,673,728	4,402,336	271,392	4,540,086
135	Redwood City, CA	1,318,536	1,293,568	915,510	378,058	24,968
34	Richmond, CA	23,000,661	10,875,180	10,017,014	858,166	12,125,481
144	Richmond, VA	1,141,351	480,790	288,106	192,684	660,561
103	San Diego, CA	2,804,215	2,367,673	2,194,448	173,225	436,542
111	San Francisco, CA	2,241,332	1,774,328	1,635,880	138,448	467,004
42	San Juan, PR	14,555,649	5,444,486	5,008,816	435,670	9,111,163
85	Sandusky, OH	4,183,196	2,658,624	72,520	2,586,104	1,524,572
32	Savannah, GA	23,368,591	21,502,134	13,174,550	8,327,584	1,866,457
139	Searsport, ME	1,264,034	996,205	996,205	-	267,829
38	Seattle, WA	19,448,157	13,573,382	6,748,803	6,824,579	5,874,775
72	Silver Bay, MN	5,884,643	11,428	-	11,428	5,873,215
1	South Louisiana, LA, Port of	198,825,125	80,432,872	30,857,319	49,575,553	118,392,253
84	St. Clair, MI	4,253,617	21,534	21,534	-	4,232,083
21	St. Louis, MO and IL	32,431,145	-	-	-	32,431,145
73	St. Paul, MN	5,151,979	-	-	-	5,151,979
120	Stockton, CA	1,980,120	1,914,988	1,417,749	497,239	65,132
69	Stoneport, MI	6,444,717	55,027	-	55,027	6,389,690
35	Tacoma, WA	22,965,750	15,409,335	5,702,602	9,706,733	7,556,415
16	Tampa, FL	48,251,710	17,368,741	9,230,682	8,138,059	30,882,969
9	Texas City, TX	61,337,525	43,391,804	40,184,521	3,207,283	17,945,721
53	Toledo, OH	9,864,318	7,695,115	4,243,476	3,451,639	2,169,203
112	Tulsa, Port of Catoosa, OK	2,216,715	-	-	-	2,216,715
45	Two Harbors, MN	13,032,598	-	-	-	13,032,598
15	Valdez, AK	49,856,714	5,671	-	5,671	49,851,043
68	Vancouver, WA	6,630,866	4,556,555	680,736	3,875,819	2,074,311
90	Vicksburg, MS	3,709,088	-	-	-	3,709,088
81	Victoria, TX	4,749,679	-	-	-	4,749,679
133	Weedon Island, FL	1,402,945	-	-	-	1,402,945
74	Wilmington, DE	5,055,539	3,730,403	3,400,014	330,389	1,325,136
66	Wilmington, NC	6,810,905	3,501,330	2,739,522	761,808	3,309,575

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2003, RANKED BY TOTAL TONS  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
1	South Louisiana, LA, Port of	198,825,125	80,432,872	30,857,319	49,575,553	118,392,253
2	Houston, TX	190,923,145	126,893,405	90,335,647	36,557,758	64,029,740
3	New York, NY and NJ	145,889,166	79,684,774	70,251,263	9,433,511	66,204,392
4	Beaumont, TX	87,540,979	68,787,271	63,336,752	5,450,519	18,753,708
5	New Orleans, LA	83,846,626	48,876,450	20,889,868	27,986,582	34,970,176
6	Huntington - Tristate	77,641,149	-	-	-	77,641,149
7	Corpus Christi, TX	77,224,732	53,394,091	44,758,661	8,635,430	23,830,641
8	Long Beach, CA	69,195,350	52,371,332	37,969,522	14,401,810	16,824,018
9	Texas City, TX	61,337,525	43,391,804	40,184,521	3,207,283	17,945,721
10	Baton Rouge, LA	61,264,412	23,152,164	18,701,796	4,450,368	38,112,248
11	Plaquemines, LA, Port of	55,916,880	19,001,706	8,519,740	10,481,966	36,915,174
12	Lake Charles, LA	53,363,966	31,805,494	27,825,176	3,980,318	21,558,472
13	Los Angeles, CA	51,327,289	42,791,436	29,962,253	12,829,183	8,535,853
14	Mobile, AL	50,214,435	25,027,977	17,553,389	7,474,588	25,186,458
15	Valdez, AK	49,856,714	5,671	-	5,671	49,851,043
16	Tampa, FL	48,251,710	17,368,741	9,230,682	8,138,059	30,882,969
17	Pittsburgh, PA	41,675,421	-	-	-	41,675,421
18	Baltimore, MD	40,183,371	24,096,177	18,984,957	5,111,220	16,087,194
19	Duluth-Superior, MN and WI	38,343,379	13,082,576	529,060	12,553,516	25,260,803
20	Philadelphia, PA	33,248,697	18,792,923	18,615,848	177,075	14,455,774
21	St. Louis, MO and IL	32,431,145	-	-	-	32,431,145
22	Pascagoula, MS	31,291,735	20,783,028	17,513,754	3,269,274	10,508,707
23	Norfolk Harbor, VA	31,195,311	24,304,461	9,219,073	15,085,388	6,890,850
24	Freeport, TX	30,536,657	25,100,661	22,665,591	2,435,070	5,435,996
25	Portland, ME	29,160,899	27,306,863	27,133,777	173,086	1,854,036
26	Paulsboro, NJ	27,283,400	18,218,507	17,908,339	310,168	9,064,893
27	Port Arthur, TX	27,169,763	18,466,795	14,259,432	4,207,363	8,702,968
28	Portland, OR	26,795,881	15,752,865	4,398,499	11,354,366	11,043,016
29	Marcus Hook, PA	26,163,571	16,087,381	16,077,374	10,007	10,076,190
30	Charleston, SC	25,198,899	18,778,726	13,041,525	5,737,201	6,420,173
31	Boston, MA	24,832,103	16,441,595	15,634,152	807,443	8,390,508
32	Savannah, GA	23,368,591	21,502,134	13,174,550	8,327,584	1,866,457
33	Port Everglades, FL	23,040,269	10,407,653	8,426,945	1,980,708	12,632,616
34	Richmond, CA	23,000,661	10,875,180	10,017,014	858,166	12,125,481
35	Tacoma, WA	22,965,750	15,409,335	5,702,602	9,706,733	7,556,415
36	Chicago, IL	22,609,742	1,734,007	1,057,337	676,670	20,875,735
37	Jacksonville, FL	21,731,239	10,831,186	9,878,816	952,370	10,900,053
38	Seattle, WA	19,448,157	13,573,382	6,748,803	6,824,579	5,874,775
39	Memphis, TN	18,191,319	-	-	-	18,191,319
40	Honolulu, HI	17,835,850	5,408,077	4,918,596	489,481	12,427,773
41	Anacortes, WA	15,820,495	2,598,327	1,492,029	1,106,298	13,222,168
42	San Juan, PR	14,555,649	5,444,486	5,008,816	435,670	9,111,163
43	Detroit, MI	14,308,032	3,882,653	3,493,535	389,118	10,425,379
44	Indiana Harbor, IN	14,132,553	359,842	314,107	45,735	13,772,711
45	Two Harbors, MN	13,032,598	-	-	-	13,032,598
46	Oakland, CA	12,627,486	10,063,416	4,203,403	5,860,013	2,564,070
47	Cleveland, OH	12,620,794	3,112,252	2,708,093	404,159	9,508,542
48	Cincinnati, OH	11,828,259	-	-	-	11,828,259
49	Matagorda Ship Channel, TX	11,672,706	8,024,041	6,451,220	1,572,821	3,648,665
50	Ashtabula, OH	10,426,942	5,838,144	960,441	4,877,703	4,588,798

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2003, RANKED BY TOTAL TONS - continued  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
51	New Haven, CT	10,385,218	3,070,239	2,954,309	115,930	7,314,979
52	Newport News, VA	10,257,407	4,790,913	936,109	3,854,804	5,466,494
53	Toledo, OH	9,864,318	7,695,115	4,243,476	3,451,639	2,169,203
54	Providence, RI	9,213,814	4,673,728	4,402,336	271,392	4,540,086
55	Miami, FL	9,165,098	7,796,311	4,915,706	2,880,605	1,368,787
56	Gary, IN	9,010,338	572,933	393,742	179,191	8,437,405
57	Presque Isle, MI	8,775,676	1,143,548	-	1,143,548	7,632,128
58	New Castle, DE	8,538,275	1,329,415	1,329,415	-	7,208,860
59	Louisville, KY	8,477,456	-	-	-	8,477,456
60	Burns Waterway Harbor, IN	8,069,161	1,654,924	1,269,905	385,019	6,414,237
61	Kalama, WA	7,659,056	6,658,111	219,889	6,438,222	1,000,945
62	Albany, NY	7,655,856	1,643,930	1,325,761	318,169	6,011,926
63	Galveston, TX	7,545,401	3,788,316	1,064,833	2,723,483	3,757,085
64	Calcite, MI	6,880,241	578,539	69,785	508,754	6,301,702
65	Camden-Gloucester, NJ	6,818,849	4,334,366	3,764,289	570,077	2,484,483
66	Wilmington, NC	6,810,905	3,501,330	2,739,522	761,808	3,309,575
67	Conneaut, OH	6,705,052	3,117,163	177,899	2,939,264	3,587,889
68	Vancouver, WA	6,630,866	4,556,555	680,736	3,875,819	2,074,311
69	Stoneport, MI	6,444,717	55,027	-	55,027	6,389,690
70	Nikishka, AK	6,420,240	3,311,167	226,934	3,084,233	3,109,073
71	Barbers Point, Oahu, HI	5,929,756	2,579,157	2,357,417	221,740	3,350,599
72	Silver Bay, MN	5,884,643	11,428	-	11,428	5,873,215
73	St. Paul, MN	5,151,979	-	-	-	5,151,979
74	Wilmington, DE	5,055,539	3,730,403	3,400,014	330,389	1,325,136
75	Longview, WA	5,024,718	4,219,454	698,574	3,520,880	805,264
76	Portsmouth, NH	4,971,385	4,273,983	4,113,573	160,410	697,402
77	Port Manatee, FL	4,861,127	3,874,444	3,189,814	684,630	986,683
78	Port Inland, MI	4,781,992	203,485	20,168	183,317	4,578,507
79	Bridgeport, CT	4,755,571	1,852,527	1,850,626	1,901	2,903,044
80	Port Canaveral, FL	4,752,269	3,096,663	2,950,340	146,323	1,655,606
81	Victoria, TX	4,749,679	-	-	-	4,749,679
82	EsCANaba, MI	4,581,567	62,258	54,796	7,462	4,519,309
83	Palm Beach, FL	4,362,876	1,864,536	819,382	1,045,154	2,498,340
84	St. Clair, MI	4,253,617	21,534	21,534	-	4,232,083
85	Sandusky, OH	4,183,196	2,658,624	72,520	2,586,104	1,524,572
86	Nashville, TN	4,003,564	-	-	-	4,003,564
87	Mount Vernon, IN	3,885,781	-	-	-	3,885,781
88	Kahului, Maui, HI	3,778,418	90	90	-	3,778,328
89	Brownsville, TX	3,730,530	2,314,661	1,865,561	449,100	1,415,869
90	Vicksburg, MS	3,709,088	-	-	-	3,709,088
91	Ponce, PR	3,670,526	3,613,542	3,266,582	346,960	56,984
92	Kansas City, MO	3,649,724	-	-	-	3,649,724
93	Marblehead, OH	3,596,995	619,437	15,505	603,932	2,977,558
94	Marine City, MI	3,585,236	93,035	93,035	-	3,492,201
95	Greenville, MS	3,219,933	-	-	-	3,219,933
96	Anchorage, AK	3,178,633	684,372	218,233	466,139	2,494,261
97	Milwaukee, WI	3,001,880	1,444,354	1,119,290	325,064	1,557,526
98	Alpena, MI	3,000,141	175,806	32,250	143,556	2,824,335
99	Fall River, MA	2,977,377	1,954,888	1,954,888	-	1,022,489
100	Biloxi, MS	2,899,619	-	-	-	2,899,619

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2003, RANKED BY TOTAL TONS - continued  
(short tons)

Rank	Port Name	Grand Total	Foreign			Domestic
			Total	Inbound	Outbound	
101	Kivilina, AK	2,864,312	1,456,896	-	1,456,896	1,407,416
102	Chattanooga, TN	2,843,131	-	-	-	2,843,131
103	San Diego, CA	2,804,215	2,367,673	2,194,448	173,225	436,542
104	Everett, WA	2,712,172	550,543	264,683	285,860	2,161,629
105	Panama City, FL	2,621,969	853,429	663,660	189,769	1,768,540
106	Georgetown, SC	2,545,852	2,443,351	2,400,943	42,408	102,501
107	Muskegon, MI	2,544,841	328,816	321,516	7,300	2,216,025
108	Fairport Harbor, OH	2,525,817	414,104	257,575	156,529	2,111,713
109	Morehead City, NC	2,297,487	1,448,527	703,318	745,209	848,960
110	Gulfport, MS	2,243,369	2,170,778	1,228,417	942,361	72,591
111	San Francisco, CA	2,241,332	1,774,328	1,635,880	138,448	467,004
112	Tulsa, Port of Catoosa, OK	2,216,715	-	-	-	2,216,715
113	Lorain, OH	2,153,548	334,244	334,244	-	1,819,304
114	Port Dolomite, MI	2,118,508	295,823	12,229	283,594	1,822,685
115	Port Jefferson, NY	2,102,605	-	-	-	2,102,605
116	Green Bay, WI	2,083,818	299,146	292,532	6,614	1,784,672
117	Guntersville, AL	2,066,376	-	-	-	2,066,376
118	Chester, PA	2,020,662	1,646,200	1,342,801	303,399	374,462
119	Brunswick, GA	1,991,596	1,875,128	1,056,658	818,470	116,468
120	Stockton, CA	1,980,120	1,914,988	1,417,749	497,239	65,132
121	Coos Bay, OR	1,883,228	1,543,942	195,189	1,348,753	339,286
122	Hilo, HI	1,849,910	-	-	-	1,849,910
123	Helena, AR	1,847,997	-	-	-	1,847,997
124	Penn Manor, PA	1,847,146	1,709,767	1,205,420	504,347	137,379
125	Port Angeles, WA	1,811,808	723,624	672,165	51,459	1,088,184
126	Kawaihae Harbor, HI	1,800,899	-	-	-	1,800,899
127	Minneapolis, MN	1,727,775	-	-	-	1,727,775
128	Nawiliwili, Kauai, HI	1,720,532	-	-	-	1,720,532
129	Grays Harbor, WA	1,537,199	845,428	323,006	522,422	691,771
130	Pensacola, FL	1,475,159	346,642	292,732	53,910	1,128,517
131	Buffalo, NY	1,427,319	402,376	402,376	-	1,024,943
132	Olympia, WA	1,419,005	253,988	107,924	146,064	1,165,017
133	Weedon Island, FL	1,402,945	-	-	-	1,402,945
134	Drummond Island, MI	1,401,189	96,440	11,734	84,706	1,304,749
135	Redwood City, CA	1,318,536	1,293,568	915,510	378,058	24,968
136	Charlevoix, MI	1,304,711	121,251	48,312	72,939	1,183,460
137	Huron, OH	1,290,731	47,558	36,335	11,223	1,243,173
138	Buffington, IN	1,270,256	51,619	51,619	-	1,218,637
139	Searsport, ME	1,264,034	996,205	996,205	-	267,829
140	Marysville, MI	1,212,657	584,298	584,298	-	628,359
141	Marquette, MI	1,205,910	284,738	284,738	-	921,172
142	Hempstead, NY	1,189,625	-	-	-	1,189,625
143	Manistee, MI	1,174,779	711,628	196,385	515,243	463,151
144	Richmond, VA	1,141,351	480,790	288,106	192,684	660,561
145	Erie, PA	1,120,690	49,832	48,774	1,058	1,070,858
146	Grand Haven, MI	1,092,882	341,321	318,215	23,106	751,561
147	Port Hueneme, CA	1,089,916	1,056,540	910,801	145,739	33,376
148	Monroe, MI	1,077,488	80,344	72,490	7,854	997,144
149	Kelleys Island, OH	1,071,089	-	-	-	1,071,089
150	Humboldt, CA	1,042,175	379,006	164,703	214,303	663,169

Table 5-3: U.S. COMMERCIAL LANDINGS OF FISH, BY PORTS, 2002 AND 2003\*  
(million pounds)

Port	2002	2003	% Change
Dutch Harbor-Unalaska, AK	908.1	908.7	0.1
Empire-Venice, LA	398.9	400.0	0.3
Reedville, Va	367.4	375.3	2.2
Intracoastal City, LA	358.5	325.2	-9.3
Kodiak, AK	250.4	262.9	5.0
Cameron, LA	349.9	259.0	-26.0
Pascagoula-Moss Point, MS	198.5	192.0	-3.3
New Bedford, MA	108.7	155.4	43.0
Astoria, OR	106.9	114.1	6.7
Petersburg, AK	53.7	88.9	65.5
Los Angeles, CA	170.1	88.7	-47.9
Gloucester, MA	78.5	88.2	12.4
Ketchikan, AK	73.2	79.8	9.0
Westport, WA	62.5	75.7	21.1
Cape May-Wildwood, NJ	60.1	74.1	23.3
Cordova, AK	59.2	71.0	19.9
Newport, OR	64.2	69.8	8.7
Portland, ME	62.0	65.8	6.1
Beaufort-Morehead City, NC	82.0	59.0	-28.0
Moss Landing, CA	80.9	44.1	-45.5
Point Judith, RI	42.9	44.0	2.6
Seward, AK	38.2	43.6	14.1
Ilwaco-Chinook, WA	42.2	43.2	2.4
Port Hueneme-Oxnard-Ventura, CA	56.0	40.5	-27.7
Dulac-Chauvin, LA	42.7	39.4	-7.7
Atlantic City, NJ	41.2	38.1	-7.5
Point Pleasant, NJ	34.7	37.5	8.1
Sitka, AK	69.6	34.6	-50.3
Wanchese-Stumpy Point, NC	28.7	33.0	15.0
Hampton Roads Area, VA	32.2	32.0	-0.6
Rockland, Me	22.0	27.9	26.8
Golden Meadow-Leeville, LA	26.0	25.5	-1.9
Kenai, AK	19.6	25.5	30.1
Coos Bay-Charleston, OR	25.8	24.7	-4.3
Bellingham, WA	23.6	23.9	1.3
Homer, AK	30.5	23.2	-23.9
Naknek-King Salmon, AK	9.8	21.0	114.3
Stonington, ME	14.7	20.0	36.1
Galveston, TX	17.4	18.6	6.9
Bayou La Batre, AL	17.1	18.5	8.2
Grand Isle, LA	15.1	18.3	21.2
Brownsville-Port Isabel, TX	19.9	17.9	-10.1
Honolulu, HI	17.7	17.8	0.6
Port Arthur, TX	14.9	17.5	17.4
Gulfport-Biloxi, MS	14.8	17.4	17.6
Morgan City-Berwick, LA	25.6	17.4	-32.0
Eureka, CA	16.4	16.4	0.0
Key West, FL	17.5	15.8	-9.7
Provincetown-Chatham, MA	15.4	15.2	-1.3
Shelton, WA	6.3	13.1	107.9

Source: Personal communication from the National Marine Fisheries Service, Fisheries Statistics and Economics Division, Silver Spring, MD

Notes: To avoid disclosure of private enterprise certain leading ports have not been included to preserve confidentiality. Catches of Alaska pollock, Pacific whiting and other Pacific groundfish caught in the northeast Pacific EEZ of the U.S. and processed at-sea are not attributed to a specific U.S. port. The record landings for quantity Dutch Harbor-Unalaska, AK. 908.7 million pounds in 2003.



## Appendix





## ORDERING GUIDE FOR THE NAVIGATION DATA CENTER REPORTS

### Waterborne Commerce, Vessel and Locks Statistics

<u>Title</u>	<u>Sales Price</u>
Waterborne Commerce of the United States (WCUS)	
Part 1 WCUS, Waterways and Harbors on the Atlantic Coast . . . . .	\$ 13.00
1st Class Postage . . . . .	6.00
Manuscript Data on diskette . . . . .	5.00
Part 2 WCUS, Waterways and Harbors on the Gulf Coast, Mississippi River System and Antilles . . . . .	15.00
1st Class Postage . . . . .	6.00
Manuscript Data on diskette . . . . .	5.00
Part 3 WCUS, Waterways and Harbors of the Great Lakes. . . . .	6.00
1st Class Postage . . . . .	3.00
Manuscript Data on diskette . . . . .	5.00
Part 4 WCUS, Waterways and Harbors on the Pacific Coast, Alaska and Hawaii . . . .	9.00
1st Class Postage . . . . .	5.00
Manuscript Data on diskette . . . . .	5.00
Part 5 WCUS, National Summaries . . . . .	4.00
1st Class Postage . . . . .	3.00
Public Domain Database (Area to Area or State to State)	
Hardcopy . . . . .	15.00
Diskette . . . . .	5.00
Waterborne Transportation Lines of the United States (WTLUS)	
Volume 1 National Summaries . . . . .	2.00
1st Class Postage . . . . .	2.00
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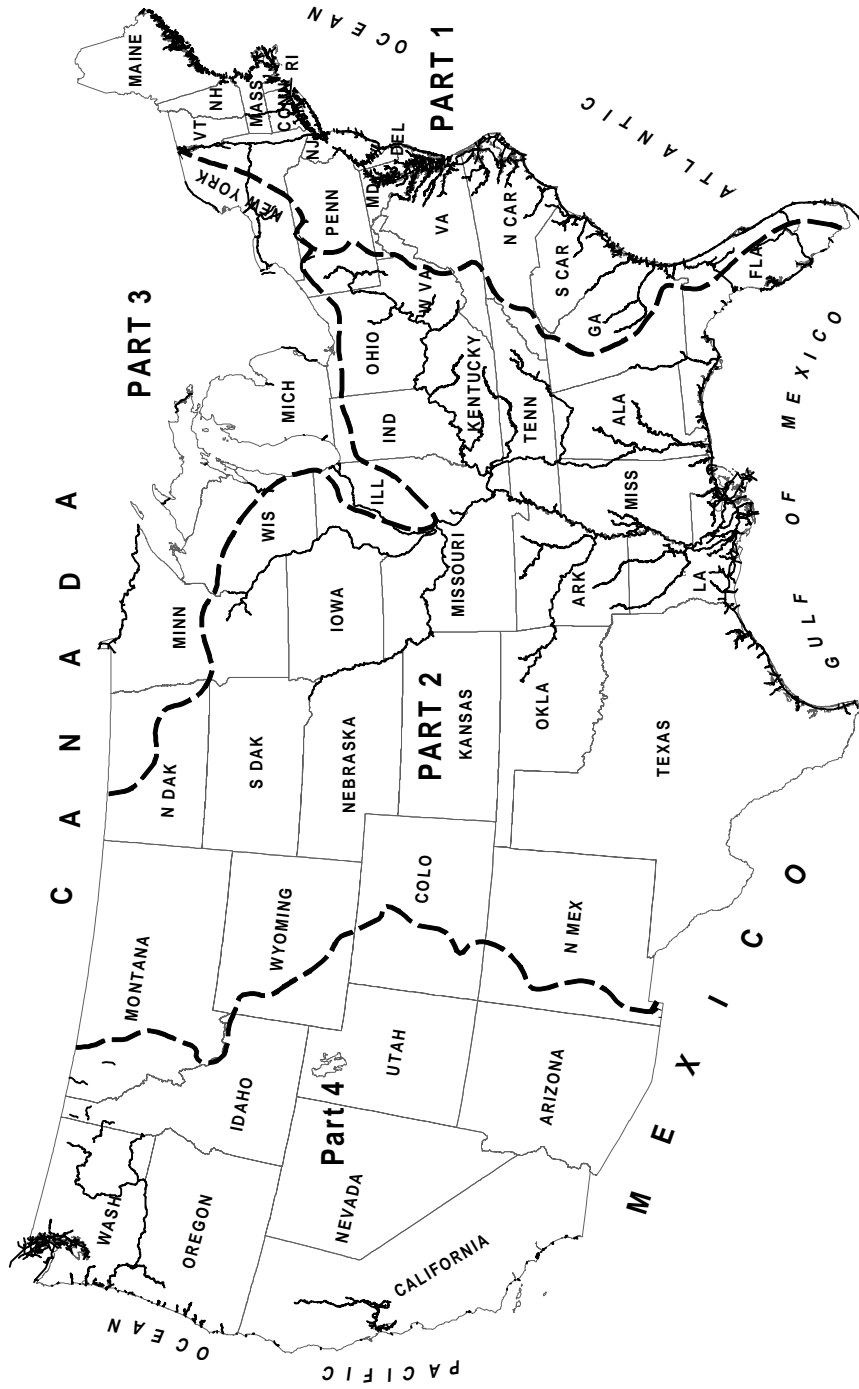
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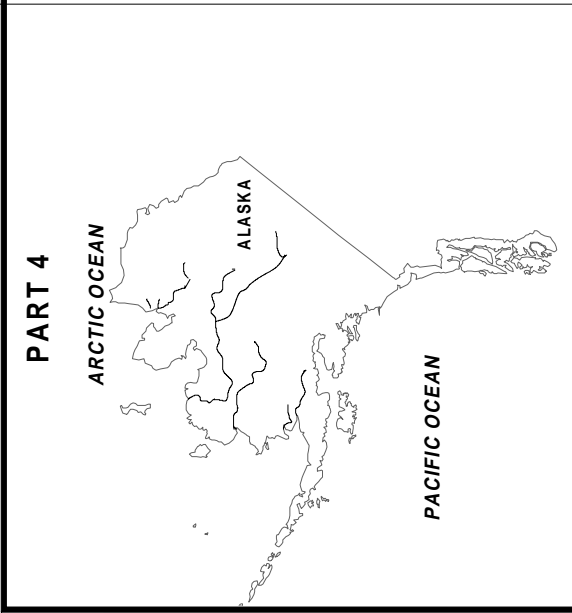
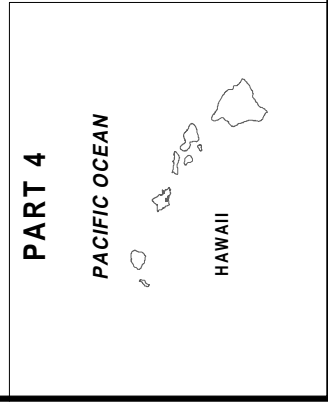
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